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August 31, 2007

British Columbia Utilities Commission
6th Floor, 900 Howe Street
Vancouver, B.C. V6Z 2N3

Attention: Mr. R.J. Pellatt, Commission Secretary

Dear Sir:

**Re: Terasen Gas Inc. ("Terasen Gas")
Application for the Sale of Land at 3700 2nd Avenue, Burnaby, BC ("Lochburn")
(the "Application")**

**Response to the British Columbia Utilities Commission ("BCUC" or the
"Commission") Information Request ("IR") No. 1**

On July 27, 2007, Terasen Gas filed the Application as referenced above. On August 17, 2007, the Commission responded with a letter enclosing BCUC IR No. 1.

In accordance with the Regulatory Timetable set out in Order No. G-86-07, Terasen Gas respectfully submits the attached response to BCUC IR No. 1.

If there are any questions regarding the attached, please contact Mr. Tom Loski, Director, Regulatory Affairs at (604) 592-7464.

Yours very truly,

TERASEN GAS INC.

Original signed

Scott A. Thomson

Attachment



Terasen Gas Inc. Application for Approval of the Sale of Vacant Land at 3700 2nd Ave, Burnaby, B.C. ("the Application")	Submission Date: August 31, 2007
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1.0 Reference: Application, pp. 1 to 4

Documents Referenced and Other Supporting Documents

- 1.1 As referred to on page 2, please provide a copy of the Request for Proposal, the term sheet issued to the market, price of each bid, and the signed Purchase and Sale Agreement with a purchase price of \$14,850,000.

Response:

Please refer to Attachment 1.1 for the Request for Proposal.

A confidential response submitted separately includes the Purchase Sale Agreement and bid details. The Company requests confidentiality of this information in order to preserve the details of the agreement and not prejudice future bids should that become necessary.

- 1.2 As referred to on page 2, please file the Order in Council No. 1830/1988 ("OIC 1830") titled B.C. Gas Inc. Order.

Response:

Please refer to Attachment 1.2.

- 1.3 Also, please file OIC 1814/88, OIC 1823/88, and OIC 1824/88 which are other relevant documents.

Response:

Please refer to Attachment 1.3.

- 1.4 As referred to on page 2, please file the "asset transfer agreement" and "share purchase agreement".

Response:

Please refer to Attachment 1.4. it should be noted that the schedule attached to Order in Council No. 1817 has been redacted to protect the privacy of names and social insurance numbers of transferred employees listed in the schedule.



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- 1.5 As referred to on page 4, please file the August 1998 Coastal Facilities Project CPCN Application.

Response:

Please refer to Attachment 1.5.

- 1.6 As referred to on page 9, please file the Supreme Court of Canada ATCO Decision.

Response:

Please refer to Attachment 1.6.

- 1.7 Please file the BC Gas July 9, 2002 Project Completion Report for the Coastal Facilities Project Commission Order No. C-14-98.

Response:

Please refer to Attachment 1.7.

- 1.8 Please file the "History of BC Gas Inc." and "History of Inland Division (formerly Inland Natural Gas Co. Ltd.)" pages as filed in Tab 4 of the 1992 Revenue Requirements Application for BC Gas Inc.

Response:

Please refer to Attachment 1.8.

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2.0 Reference: Application, p. 1

On page 1 of the Application TGI has requested approval under Section 52 of the Utilities Commission Act ("the Act" or "UCA") for disposition of vacant land at 3700 2nd Avenue, Burnaby, B.C.

2.1 Is the terminology "vacant land" in the Application the same as term "surplus land" referred to in the 1998 CPCN Application? If not, please explain.

Response:

The land that was referred to as "surplus land" in the 1998 Coastal Facilities Project CPCN Application is 8.7 acres. The vacant land referred to in this Application refers to a 7.67 acre parcel of land that is no longer required for utility purposes. The 7.67 acres is a portion of the 8.7 acres.

At the time of the 1998 CPCN Application there were still buildings on the 8.7 acres, and accordingly it would have been incorrect to refer to the 8.7 acres as vacant. The 7.67 acres is now vacant and will not be required for utility purposes.

2.2 Subsection 52(2) of the UCA states that the Commission "may give its approval under this section subject to conditions and requirements considered necessary or desirable in the public interest." Does TGI consider an approval conditional on the allocation of the gain or loss of an asset to be permissible under this section of the Act? Explain.

Response:

Wording of the Alberta legislation very similar to the wording in subsection 52(2) of the *Utilities Commission Act* was considered by the Supreme Court of Canada in the ATCO case (see pages 7 and 8 of the July 27 Application for the B.C. and Alberta legislation). The ATCO decision is discussed extensively in the July 27 Application.

For all of the reasons discussed in the July 27 Application, Terasen Gas Inc. considers that an approval of the allocation of the gain or loss of an asset is not permissible under section 52 of the *Utilities Commission Act*.

The majority judgment of the Supreme Court of Canada in the ATCO case is a lengthy review of the Alberta legislation that is the equivalent to section 52 of the *Utilities Commission Act*, the role of commissions such as the British Columbia Utilities Commission, the reasons for the requirement for commission or board approval of the disposition of utility property, and the private property rights of utilities. After its lengthy review the majority of the Supreme Court of Canada concluded (quoting from paragraph 86 and 87 of the judgment)

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This Court's role in this case has been one of interpreting and enabling statutes using the appropriate interpretive tools, i.e. context, legislative intention and objective. Going further than required by reading in unnecessary powers of an administrative agency under the guise of statutory interpretation is not consistent with the rules of statutory interpretation. It is particularly dangerous to adopt such an approach when property rights are at stake.

The Board did not have the jurisdiction to allocate the proceeds of the sale of the utility's asset.

The conclusion of the Court was that the AEUB did not have jurisdiction to allocate the proceeds of the sale of the asset of a public utility. Similarly, the British Columbia Utilities Commission does not have jurisdiction under subsection 52(2) to allocate the proceeds of the sale of a utility asset, and therefore does not have jurisdiction to make its approval of the disposition of the Lochburn property conditional on the allocation of the proceeds.

2.3 Commission Order No. C-14-98 granted TGI to construct the 1998 Coastal Facilities Project pursuant to Section 45 of the Act. Subsection 45(9)(b)(ii) states that giving its approval, the Commission may impose conditions about "construction, equipment, maintenance, rates or service, as the public convenience and interest reasonably require."

2.3.1 Please confirm that the present Subsection 45(9)(b)(ii) wording is the same as in 1998 when the approval of the CPCN was granted.

Response:

The wording of clause 45(9)(b)(ii) of the *Utilities Commission Act* is the same today as it was in 1998 when the Commission issued Order C-14-98.

However, contrary to what is suggested in the question, clause 45(9)(b)(ii) of the *Utilities Commission Act* does not grant the Commission jurisdiction to impose conditions about "construction, equipment, maintenance, rates or service, as the public convenience and interest reasonably require" in granting a certificate of public convenience and necessity for a project such as the Coastal Facilities Project.

Section 45 of the *Utilities Commission Act* contains a number of provisions, and all of the provisions must be examined in order to determine the jurisdiction of the Commission under section 45.

Subsections 1, 2, 4 and 5 all relate to the requirement for a CPCN where construction of, or an extension of, a public utility plant or system is to be undertaken. The Commission is given jurisdiction to grant such CPCNs, and to exclude utility plant from the requirement for a CPCN, and jurisdiction to require

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separate CPCNs in some circumstances. The CPCN granted by Order C-14-98 was pursuant to an application for a CPCN for construction of public utility plant; that is, it was a CPCN of the type required by subsection 45(1).

Subsection 3 clarifies that holding a CPCN does not authorize construction or operation of a reviewable project under the *Environmental Assessment Act*.

Subsection 6 is a separate requirement for public utilities to file at least once a year a statement of the extensions to its facilities that it plans to construct. Subsections 6.1 and 6.2 deal with plans of capital expenditures and plans for meeting energy demand. None of these sections relate directly to CPCNs.

Subsections 7 and 8 require Commission "approval" of a privilege, concession or franchise granted to a public utility by a municipality or other public authority. The Commission is not to give its approval to a privilege, concession or franchise unless the Commission determines that it is necessary for the public convenience and necessity and properly conserves the public interest.

Subsection 9 also relates to the requirement for Commission approval of a privilege, concession or franchise granted to a public utility by a municipality or other public authority. Subsection 9 does not relate to the granting of a CPCN for the construction or operation of public utility plant, as required by subsection 45(1).

That subsection 9 does not apply to the granting of a CPCN for the construction or operation of public utility plant can be seen by examining the wording of subsection 9. The first line of subsection 9 says "In giving its approval", which must be a reference back the Commission approval required by subsection 7; the word "approval" does not appear in any other subsection of section 45 (and specifically does not appear in subsection 1). Further, subsection 9 refers to the imposition of conditions about the duration and termination of the privilege, concession or franchise, which can only be referring to the privilege, concession or franchise granted by the municipality or other public authority. While clause 45(9)(b)(ii) also allows the Commission to impose conditions about "construction, equipment, maintenance, rates or service", the Commission can only impose those conditions as part of giving the approval referenced in the first line of subsection 9, which is the approval of the privilege, concession or franchise.

Subsection 45(7) through (9) all relate to privileges, concessions or franchises granted to a public utility by a municipality or other public authority; they do not apply to CPCNs granted by the Commission pursuant to its jurisdiction under subsection 45(1).

This can also be seen by an examination of the legislative history of what is now subsection 45(9). Section 12 of the *Public Utilities Act*, R.S.B.C. 1960, chapter 323, stated:

12. Except as hereinafter provided,
 - (a) no privilege, concession, or franchise hereafter granted to any public utility by any municipality or other public authority is valid

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unless approved by the Commission. The Commission shall not give its approval unless, after a hearing, it determines that the privilege, concession, or franchise proposed to be granted is necessary for the public convenience and properly conserves the public interest. The Commission, in giving its approval, shall grant a certificate of public convenience and necessity, and may impose such conditions as to the duration and termination of privilege, concession, or franchise, or as to construction, equipment, maintenance, rates, or service, as the public convenience and interest reasonably require;

- (b) no public utility shall hereafter begin the construction or operation of any public utility plant or system, or of any extension thereof, without first obtaining from the Commission a certificate that public convenience and necessity require or will require such construction or operation (in this Act referred to as a "certificate of public convenience and necessity").

In section 12 of the *Public Utilities Act* the jurisdiction to impose "conditions ... as to construction, equipment, maintenance, rates, or service, as the public convenience and necessity reasonably require" was contained in the same clause as the jurisdiction to approve a privilege, concession or franchise granted to a public utility by a municipality or other public authority.

In 1973 the *Energy Act* was brought into force. In the 1973 statute section 30 of the *Energy Act* stated:

- (1) Except as otherwise provided, no privilege, concession, or franchise hereafter granted to any energy utility by a municipality or other public authority is valid unless approved by the commission.
- (2) The commission shall not give its approval under subsection (1) unless, after a hearing, it determines that the privilege, concession, or franchise proposed to be granted is necessary for the public convenience and properly conserves the public interest.
- (3) The Commission, in giving its approval, shall grant a certificate of public convenience and necessity, and may impose such conditions as to the duration and termination of the privilege, concession, or franchise, or as to construction, equipment, maintenance, rates, or service, as the public convenience and interest reasonably require.
- (4) Except as otherwise provided, no person shall hereafter begin the construction or operation of any energy utility plant or system, or of any extension thereof, without first obtaining from the commission a certificate that public convenience and necessity require or will require such construction or operation.

In 1979 the statutes of British Columbia were revised and consolidated, and the *Energy Act* became the *Energy Act* R.S.B.C., 1979, chapter 108. Without any statutory amendment the order of the subsections within section 30 was revised, and section 30 then stated:

- (1) Except as otherwise provided, no person shall, after May 7, 1973, begin the construction or operation of an energy utility

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- plant or system, or an extension of either, without first obtaining from the commission a certificate that public convenience and necessity require or will require the construction or operation.
- (2) Except as otherwise provided, a privilege, concession or franchise granted after May 7, 1973 to an energy utility by a municipality or other public authority is not valid unless approved by the commission.
 - (3) The commission shall not give its approval unless it determines that the privilege, concession or franchise proposed is necessary for the public convenience and properly conserves the public interest.
 - (4) The commission, in giving its approval, shall grant a certificate of public convenience and necessity, and may impose conditions about the duration and termination of the privilege, concession or franchise, or about construction, equipment, maintenance, rates or service, as the public convenience and interest reasonably require.

In 1980 the *Utilities Commission Act* replaced the *Energy Act*. Subsections (4), (5) and (6) of section 51 of the *Utilities Commission Act* S.B.C. 1980, chapter 60, stated:

- (4) Except as otherwise provided, a privilege, concession or franchise granted after this section comes into force, to a public utility by a municipality or other public authority is not valid unless approved by the commission.
- (5) The commission shall not give its approval unless it determines that the privilege, concession or franchise proposed is necessary for the public convenience and properly conserves the public interest.
- (6) The commission, in giving its approval, shall grant a certificate of public convenience and necessity, and may impose conditions about the duration and termination of the privilege, concession or franchise, or about construction, equipment, maintenance, rates or service, as the public convenience and interest reasonably require.

In 1996 the statutes of British Columbia were again revised and consolidated, and the *Utilities Commission Act* became the *Utilities Commission Act* R.S.B.C., 1996, chapter 473, with section 51 becoming section 45. Without any statutory amendment the subsection numbers were changed and what is now subsection 45(9) was reformatted.

While the formatting and some of the wording of the section dealing with CPCNs relating to approvals of franchise and similar agreements has changed over the years, the legislative history further demonstrates that the jurisdiction of the Commission to impose conditions about "construction, equipment, maintenance, rates or service, as the public convenience and interest reasonably require" is a jurisdiction that relates only to the approval of a privilege, concession or franchise granted to a public utility by a municipality or other public authority. That jurisdiction does not in any manner relate to the Commission's jurisdiction to grant a CPCN for the construction or operation of public utility plant.



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3.0 Reference: Application, p. 1

Property Description

- 3.1 Please confirm that the Lochburn land at 3777 Lougheed Highway, Burnaby as indicated in the 1998 Coastal Facilities Project CPCN Application ("1998 CPCN") is the same land now addressed at 3700 2nd Ave, Burnaby.

Response:

The Lochburn site that had an address of 3777 Lougheed Highway is the same land as the Lochburn site at 3700 2nd Avenue. In September 2001, the Lochburn site address was changed from 3777 Lougheed to 3700 2nd Avenue.

The 1998 CPCN Application refers to Lochburn and what is located at that site, but it is not clear from the question what specific indication in the 1998 CPCN Application is being referenced when the question refers to the "Lochburn land".

- 3.2 Please provide the Property I.D. and full legal description of the Lochburn property. Include the full description of the current zoning for the property and the permitted uses.

Response:

The legal description of the Lochburn site is PID 012-035-173, Parcel "One", Except part in Plan LMP10017, District Lots 117 AND 118 Group 1 NWD Reference Plan 79213. The property is zoned as M-3, Industrial, which allows uses under M-1, M-2 and M-3 zoning guidelines.

- 3.3 Based on the development in the area what can this surplus land be re-zoned to? What would be the permitted uses on the re-zoned land?

Response:

The City planners support a rezone to M-5 use which allows for light industrial and/or office use. The City would not rezone for retail or residential use.

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- 3.4 Terasen Gas describes on page 1 the present use as "field operations, stores and facilities" with "three primary buildings and a small storage shed located on 11.89 acres of land".

- 3.4.1 Please describe any changes to the use of the Lochburn property from what was anticipated in the 1998 CPCN.

Response:

There are no changes in the utility use of the portion of the Lochburn site that is not being sold (the 11.89 acres) from what was anticipated in the 1998 CPCN, though a portion of the office space has been sublet to Terasen Inc.

With respect to the 7.67 acres that is to be sold and that is the subject of this Application the 1998 CPCN Application did not anticipate the need for the extended utility use of that portion of the land for remediation.

The 1998 CPCN Application did not anticipate any specific use of the Lochburn site other than the utility use of the northern portion of the property.

- 3.4.2 On the northern part of the Lochburn land what further development potential is available for office buildings and warehousing?

Response:

The northern part of the Lochburn land can be developed to M-3 zoning which would include warehousing and some office space. TGI believes it can readily accommodate any future building space requirements of the utility.

- 3.5 On page 1 of the Application it states: "As can be seen in the photos provided in Appendix A, the entire parcel of land at Lochburn is divided by a stream on the property, which provided a natural divider in locating the buildings on the Lochburn site."

- 3.5.1 The stream does not appear to be visible on the map. Please further describe this stream. Is it an underground stream? Is it in a culvert? Please provide a detailed map that shows the stream's location and its relation to the BC Hydro right of way and the fence dividing the two sides of the property. Also, describe and identify on a clear detailed map any encumbrances and/or rights-of-way for the Lochburn property.



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Response:

Chubb Creek formerly meandered across the southern part of the Lochburn Facility. It was re-routed, and is currently culverted through the Site within a GVS&DD storm sewer. The flow is from northwest to southeast and the culvert issues on the southern side of Lougheed Highway before joining Still Creek.

Please also refer to Attachment 3.5.1.

3.5.2 Please provide all the zoning and environmental restrictions for building next to the stream. How close in metres can a building be built next to the stream?

Response:

In Industrial zoning, a building must be a minimum of 30 meters from the stream. Department of Fisheries and Oceans would review and approve the final distance on case by case.

The stream on the Lochburn site is culverted and no longer falls under this building restriction.

3.6 On page 1 it states: "The 7.67 acres of vacant land is fenced off from the northern portion of the Lochburn lands."

3.6.1 Please confirm that TGI has conducted a professionally certified land survey that shows and calculates the 7.67 acres of land.

Response:

Hol & Associates, Professional Land Surveyors have completed the land survey.

3.6.1.1 If so, provide the survey document showing the 7.67 acres.

Response:

Please refer to Attachment 3.6.1.1.

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3.6.1.2 If not, will TGI be conducting this prior to sale and if required adjusting the calculation of the split between the northern and southern portions?

Response:

Please refer to the response to Question 3.6.1.1.

3.7 On page 3 of the Application it states: "Environmental issues continue to be present respecting the appropriate treatment of the creosol piles that were the foundation support of the old buildings on the site." In Appendix C it shows Environment Costs of \$495,000.

3.7.1 What is the future total anticipated remediation cost for the property that TGI is to pay before it can sell the property?

Response:

The future total anticipated remediation costs expected is \$186,000. This brings the total up to the estimate of \$495,000 included in the application. As proposed in the July Application, the remediation costs will be recovered out of the proceeds of sale, i.e. they are effectively to the shareholder account. This treatment may be reconsidered if a future application were necessary as such remediation cost are properly costs that should be borne by the utility and its customers as they arise from utility use of the property.

3.7.2 What has been the year-to-date remediation cost for 2007? Please provide the annual remediation costs from 1995 to 2006 with a total.

Response:

Please refer to the responses to Questions 3.7.1 and 3.7.4, Account 17998.

3.7.2.1 Please elaborate on how the remediation costs are treated in the regulated financial schedules? Have they been expensed, capitalized, or deferred? If there has been a mix of accounting treatment, please provide a table with these categories by year.



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Response:

The remediation costs have been deferred and as stated, in response to Question 3.7.1, the proposal under the current Application will see these costs recovered out of the proceeds of sale, thereby reducing the gain of the shareholder.

3.7.3 Please provide the annual demolition costs since 1995 for each of Lochburn and Fraser Valley sites.

Response:

Demolition costs were incurred in 2001 and estimated at \$300,000 for Lochburn and \$110,000 for Fraser Valley in the CPCN application. Actual costs incurred were not separately identified in the construction invoices.

3.7.4 Please provide the full continuity schedules by year from the beginning of additions to end of amortization for the various deferral accounts for the Coastal Facilities (e.g. Relocation, Extraordinary Plant Loss Lochburn, Fraser Valley NBV Amortization, Noncapital Finance Costs).

Response:

Account 17951 Coastal Facilities Relocation

17951 Coastal Facilities Relocation

Relocation costs for Lochburn approved by Order No. C-6-95 to be amortized over 5 years commencing 1996; amended by Order C-14-98 for additional costs and amortization period.

(\$ 000s)	O/Bal	Adds	Taxes	Net Adds	Amort	C/Bal
1995	-	4,261	(1,896)	2,365		2,365
1996	2,365	871	(388)	483	(473)	2,375
1997	2,375	1,087	(467)	620	(570)	2,425
1998	2,425	1,061	(473)	588	(693)	2,320
1999	2,320	1,163	(517)	646	(802)	2,164
2000	2,164	1,516	(675)	841	(946)	2,059
2001	2,059	543	(236)	307	(702)	1,664
2002	1,664			-	(505)	1,159
2003	1,159			-	(477)	682
2004	682			-	(340)	342
2005	342			-	(342)	-



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Account 17996 Coastal Fraser Valley NBV

17996 Coastal Facilities - Fraser Valley NBV Amortization

Net book value of the Lochburn and Fraser Valley assets retired on demolition.

Approved by Orders C-6-95 and C-14-98 with five year amortization.

(\$ 000s)	O/Bal	Adds	Taxes	Net Adds	Amort	C/Bal
1998	-		-	-	-	-
1999	-		-	-	-	-
2000	-	1,058		1,058	-	1,058
2001	1,058			-	(213)	845
2002	845			-	(213)	632
2003	632			-	(213)	419
2004	419			-	(213)	206
2005	206			-	(206)	-

Journal Entries to set up initial costs (retirement of Lochburn facilities):

DR	17996	Coastal Facilities NBV	1,058	
CR		Various assets		1,240
DR	10500	Accumulated depreciation	182	
DR	10500	Accumulated depreciation	4,511	
CR		Various assets		6,254
DR	10500	Accumulated depreciation	1,743	

Account 17984 Coastal Facilities Non-capital Financing

17984 Coastal Facilities - Non-capital Financing

Non-capital financing costs of the new coastal facilities

Approved by Order C-14-98 with 5 year amortization approved by Order G-7-03.

(\$ 000s)	O/Bal	Adds	Taxes	Net Adds	Amort	C/Bal
1998	-		-	-	-	-
1999	-	(73)	33	(40)	-	(40)
2000	(40)	826	(68)	758	-	718
2001	718	32	(14)	18		736
2002	736			-		736
2003	736	12	(4)	8	(382)	362
2004	362			-	(362)	-
2005	-			-		-

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Account 17998 Extraordinary Plant Loss Lochburn

17998 Extraordinary Plant Loss Lochburn

Costs incurred relating to the disposal of the Lochburn property, including remediation costs. Approved by Order C-14-98 with five year amortization.

(\$ 000s)	O/Bal	Adds	Taxes	Net Adds	Amort	C/Bal
1998	-		-	-	-	-
1999	-	-	-	-	-	-
2000	-	-	-	-	-	-
2001	-	5		5		5
2002	5	97		97		102
2003	102	14		14	(20)	96
2004	96	17		17	(22)	91
2005	91	55		55	(27)	119
2006	119	2		2	(27)	94
2007*	94	123		123	-	217

* Actual costs to August 2007

Journal Entries to set up initial costs:

CR	63101	Consulting Fees (Environmental)	217
CR	63201	Land - Survey	5
CR	63202	Land - Acquisition Fees	2
CR	63203	Land - Easement & ROW	2
CR	63401	Advertising - Media	1
CR	63501	Admin - Postage	3
CR	65202	Contractors (Environmental)	76
CR	63106	Legal	6
CR	80002	COPE Salaries	1
DR	17998	Extraordinary Loss Lochburn	313

3.7.4.1 For each of the accounts explain the nature of the account and the types of costs that have been included in the deferral accounts. Also, explain which accounts include remediation costs. Cite the approval Order for each deferral account.

Response:

Please refer to the response to Question 3.7.4.



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3.7.4.2 Please provide the journal entries with account number and description to set-up the initial retirement of the Lochburn buildings; Extraordinary Plant Loss Lochburn deferral account; and Fraser Valley NBV Amortization.

Response:

Please refer to the response to Question 3.7.4.

3.7.5 Please explain if any past remediation cost has been pro-rated by 20.07% to the shareholder. If so please quantify.

Response:

No, such costs were required to complete the use of the property by the utility. The need to remediate arose from the use of the property for utility purposes. The remediation costs are all rightfully utility costs

However, past remediation costs have been held in a rate base deferral account pending the completion of remedial work and sale of land, and TGI has not sought recovery of the costs to date. In the Application those remediation costs have been included in the calculation of the net gain on disposition.

The way the disposition of proceeds has been laid out in the Application has the effect of the shareholder absorbing the remediation costs out of the proceeds.

If the contemplated transaction were not to proceed, TGI would reconsider the treatment set out in the Application and seek to recover such costs as utility costs similar to the way carrying costs on the land have been recovered. As discussed elsewhere, those remediation costs are properly costs to be borne by the utility and its customers.

3.8 Please provide the property assessment values (split between building and land) since 1987 for Lochburn.

Response:

The table below provides Lochburn Gross Assessment values from 1991 to 2007. Values prior to 1991 are not available.

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Lochburn Assessment Values

	Gross Land	Gross Building	Gross Assessment
2007	14,967,000	11,857,000	26,824,000
2006	11,224,000	12,049,000	23,273,000
2005	10,809,000	11,950,000	22,759,000
2004	10,242,000	11,035,000	21,277,000
2003	10,242,000	10,925,000	21,167,000
2002	10,242,000	10,812,000	21,054,000
2001	10,243,000	11,157,600	21,400,600
2000	8,750,000	3,669,200	12,419,200
1999	9,136,000	3,473,000	12,609,000
1998	9,136,000	3,769,000	12,905,000
1997	9,136,000	4,001,000	13,137,000
1996	10,244,000	5,292,000	15,536,000
1995	10,244,000	5,328,000	15,572,000
1994	11,128,000	4,307,000	15,435,000
1993	8,346,000	4,307,000	12,653,000
1992	6,202,000	4,307,000	10,509,000
1991	Data not available prior to 1992		

3.9 At what date and basis does TGI consider the unused Lochburn land became surplus?

Response:

The unused Lochburn land was vacated when TGI employee relocations were complete in November 2000 and the demolition of the buildings on the land occurred in 2001. However the utility use of the land included the remediation that was required as a result of utility use of the land. The land has not been available for other than utility purposes until demolition and remediation efforts were complete. Such efforts are now substantially complete and so the 7.67 acres are no longer required for utility purposes.

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3.9.1 When TGI considered the unused Lochburn land as surplus did the utility reclassify the land as "Gas Plant Held for Future Use" or other account? Please explain.

Response:

The offer to purchase the vacant land was received at a time when the studies and remediation activities required to address the environmental problems that had arisen during the period the land was used to provide utility service were nearing completion. The Company considered whether or not the 7.67 acres of vacant land at Lochburn would be required for the provision of utility service in future and determined it would not.

The Company concluded that the disposition of the land would not cause harm to customers and that the land should be sold with the amount included in rate base associated with the 7.67 acres of land being removed from rate base. This Application requests Commission approval for the disposition of the 7.67 acres and for the removal of the \$1,136,155 from the rate base of Terasen Gas following the sale. No reclassification of the 7.67 acres of land has been made as the land continued to be required for utility purposes until demolition and remediation activities were complete.

3.9.2 When the land became surplus please explain why ratepayers should have continued to pay the carrying cost (debt and equity), maintenance, and property taxes on this surplus land?

Response:

Please refer to the responses to Questions 3.9 and 3.9.1.

The land has not become surplus, the land still has uses, but it is no longer required for utility purposes.

The 7.67 acres of land was included in rate base, attracting carrying costs, maintenance and property taxes while it provided utility service and during the time when the demolition studies and remediation activities required to address the environmental problems that had arisen during the period the land was used to provide utility service were performed, and which are now nearing completion. Should the Commission approve this Application the ratepayer would no longer pay carrying costs, maintenance and property taxes on the vacant land.



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3.10 Please provide any professional appraisals conducted on the Lochburn site since the acquisition in 1988.

Response:

An appraisal was completed by Nilsen Realty Research Ltd. dated February 23, 2001 and is included in Attachment 3.10.

3.11 Please provide any environment assessments, if any, completed on the Lochburn property since 1988.

Response:

Please refer to Attachment 3.11 which includes several reports:

AMEC Earth & Environmental Limited

A. *Summary of Site Investigation and Remediation Confirmation – Portion of Terasen Gas Lochburn Facility (November 6, 2003)*

Morrow Environmental Consultants Inc.

B. *Subsurface Investigation Results (February 21, 1990)*

C. *Inspection of Soil Treatment Operations – Historical Special Waste Site (December 4, 1990)*

D. *Progress Report and Confirmatory Contamination Assessment September 13, 1990 to March 13, 1991 (April 16, 1991)*

E. *Environmental Remediation Report – Hydrocarbon Contaminated Soils from Vehicle Fueling Facility (December 14, 1993)*

F. *Results of Soil Investigation, New Storage Area (May 10, 1999)*

3.12 Appendix B indicates that the rate base 19.56 acres of Lochburn land at \$2,897,418 and rate base per Order in Council 1830 was \$582,699,000.

3.12.1 What was the rate base for the Lochburn land when OIC 1830 was issued? If this figure is not the same as \$2,897,418 please provide the full continuity schedule by year for the additions or reductions to arrive at the present rate base.

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Response:

The rate base of \$582,699,000 referred to in Appendix B represents the plant in service of B.C. Gas Inc. as of July 16, 1988. Order in Council No. 1830/1988 ("OIC 1830"), titled B.C. Gas Inc. Order, established, for the setting of rates and all other purposes under the Act, the appraised value of the plant in service ("rate base") of B.C. Gas Inc. as of July 16, 1988 to be \$582,699,000, and allocated the plant in service as set out in Schedule 1 of OIC 1830. The words "appraised value" are used in OIC 1830 as those are the words that appear in what is now clause 59(5)(b) of the *Utilities Commission Act*.

Schedule 1 of OIC 1830, which is an allocation of rate base to asset accounts, allocated \$24,781,000 to "Land and land rights" for all of B.C. Gas Inc. The \$2,897,418 of rate base associated with the entire parcel of land at Lochburn is a 1988 allocation of the "Land and land rights". No changes to the Lochburn land rate base have been made since the initial allocation in 1988.

OIC 1830 had the effect of establishing the rate base value for 74280 B.C. Ltd. (later B.C. Gas Inc. and now amalgamated into Terasen Gas Inc.) for all the Lower Mainland Gas Division assets that were purchased from BC Hydro. The \$2,897,418 is the Lochburn land and land rights portion of the rate base established by OIC 1830.

3.12.2 What was the cost of the Lochburn land to 74280 B.C. Ltd. when the assets were transferred from B.C. Hydro? At the specific time when the shares of 74280 B.C. Ltd. was sold to Inland Natural Gas Co. Ltd. ("Inland") did the cost of the land change? If so, explain how since it was a sale of shares not assets?

Response:

The purchase price of \$729 million on the transfer of the assets from B.C. Hydro to 74280 B.C. Ltd. represented a 20.07 percent premium over the \$582,699,000 allowed in rate base as shown in Appendix B of the Application. Applying the 20.07% premium to the Lochburn land rate base of \$2,897,418 results in a derived purchase price of \$3,478,930 as the price paid by 74280 B.C. Ltd. to B.C. Hydro for the Lochburn site.

The transaction related to the purchase of the shares of 74280 B.C. Ltd by Inland Natural Gas Co. Ltd. had no impact on the cost of the Lochburn land recorded in the books of 74280 B.C. Ltd., which has since been amalgamated into Terasen Gas Inc. There was no premium paid by Inland Natural Gas on its purchase of the shares of 74280 B.C. Ltd. The difference in prices between the asset purchase by 74280 and the share purchase by Inland represented additional utility assets acquired in the intervening period (being the intervening period



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between the asset purchase and the end of September 1988 when the share purchase completed).

3.12.3 Please confirm that page 49 of the Asset Transfer Agreement shows net assets of \$485 million. If not, what are the net assets for the Lower Mainland Gas Division (74280 B.C. Ltd.)?

Response:

Schedule C of the Asset Transfer Agreement is a schedule of the Financial Statements for BC Hydro Mainland Gas Service. The unaudited segmented balance sheet shows net assets for BC Hydro and Power Authority Mainland Gas Service of \$485 million.

The 1988 sale of assets from BC Hydro to 74280 B.C. Ltd. was a transaction between two entities owned by the Province. The terms and conditions of the Asset Transfer Agreement (which include the price paid by 74280 B.C. Ltd.) were approved, pursuant to the provisions of the *Hydro and Power Authority Privatization Act*, by OIC 1816/88. The net asset value shown in unaudited financial statements of BC Hydro are irrelevant with respect to the price paid by 74280 B.C. Ltd. for the assets and irrelevant with respect to the rate base value of the assets established by OIC 1830/88.

The net assets as per section 5.01 of the Asset Transfer Agreement are calculated at \$729 million (\$773 million financial consideration less the \$44 million for the payment in lieu of the net present value of income tax payable to the Province). Please also refer to the response to Question 7.2.



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4.0 Reference: Application, p. 2

Future Uses of the Vacant Land at Lochburn

In the current Application on page 2, TGI states:

"The Company again considered if the vacant land at Lochburn would be required for the provision of utility service in future and determined it would not. The Company concluded that the disposition of the land would not cause harm to customers and that the land should be sold. The interests of customers will be served by a sale of the vacant land as the amount in rate base associated with the 7.67 acres of land will be removed from rate base."

TGI adds on page 6 that the disposition of the 7.67 acres of vacant land at Lochburn for which Commission approval is sought will not result in degradation of natural gas service and will not harm customers of TGI.

4.1 Please indicate if TGI has considered the following alternative plans for the vacant land at Lochburn:

4.1.1 Due to proximity of BC Hydro operations centre, has TGI explored an opportunity with BC Hydro and BCTC to share in a combined/backup operations centre? Please discuss.

Response:

TGI already has a backup operations centre at the Burnaby Operations site and as such believes it can meet its operational requirements, consequently it doesn't believe it is warranted to approach BC Hydro and BCTC.

4.1.2 Due to proximity of BC Hydro operations centre, has TGI had discussion with BC Hydro in terms of land sale or long-term land lease to BC Hydro? Please discuss.

Response:

BC Hydro had the opportunity to purchase the land through the bid process. BC Hydro is in the best position to determine its land requirements and did not participate.

The Application would have been no different if BC Hydro had purchased the land than it is with the present purchaser.

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4.1.3 Can TGI just sell the property fronting Lougheed Highway and keep the rest of the vacant land for utility purposes?

Response:

The vacant land is additional land beyond what TGI requires for utility purposes. The land that TGI is retaining at the Lochburn site is all that is required for utility purposes.

If TGI limited the sale to the property fronting Lougheed Highway it would leave the remainder of the 7.67 acres vacant and not required for utility purposes. Since the whole of the 7.67 acres is not required for utility purposes there is no rationale for selling only a portion of the 7.67 acres.

4.2 Please provide the following 20-year development plans:

4.2.1 What is TGI's requirement for land in Greater Vancouver in the next 20 years? Please discuss.

Response:

The assessment of current and future space requirements, along with operational considerations were evaluated as part of the Coastal Facilities Project CPCN in 1998 when employee levels were at 1,584, 45.9% higher than in 2006. Given that the number of employees during 1998 was 1,584, the Company believes it can accommodate anticipated growth without the purchase of additional land. Moreover, the high growth areas on the TGI system are better served from the Surrey operations centre.

4.2.2 Please provide 20-year facilities development plan for the Lower Mainland, for both the pipeline system and its support infrastructure, especially primary and backup operations, muster locations and emergency response facilities.

Response:

A number of definitions may be useful in the understanding of Terasen Gas' operational structure as related to facilities immediately adjacent to the vacant lands that Terasen Gas has requested BCUC approval to sell.

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- **Pipeline System:** Transmission and Distribution pressure piping systems serving customers in the Lower Mainland, in addition to the other regions in Terasen Gas' service territory.
- **Support infrastructure:** Gate stations, Regulating stations, Compressor stations, and administrative/operational facilities such as Gas Control
- **Primary and Backup Operations:** The Surrey Operations Centre is the centralized 'Primary' response centre (Operations Emergency Centre, when activated) for the Province; the Burnaby Operations Centre is the 'Backup' operations centre that is fully equipped to manage emergency situations and not impacted by the proposed sale of the adjacent land.

With respect to the Lower Mainland, Terasen Gas does not have any current plans with respect to facilities development involving muster locations and emergency response facilities.

Long Range plans for the Metro area do not include any Intermediate Pressure pipeline loops in the vicinity of Lochburn site. There is no existing Transmission Pressure pipe in the area.

Rather than having developed a 20 year 'facilities development plan', Terasen Gas conducts ongoing evaluations of its facilities in order to ensure that the configuration of existing infrastructure assures appropriate emergency response levels, in addition to the ability to serve customers according to current and forecast construction levels. Employees of Terasen Gas are mobilized and equipped in order to provide a response matrix that is synchronized with the aforementioned infrastructure configuration, and that assures that service quality indicators are supported and maintained.

The land being retained for utility purposes at Lochburn is expected to be capable of meeting all such requirements discussed in this question and the vacant land will not be so required.

- 4.3 Please provide an update on office building/facilities in Kamloops, Kelowna, and Penticton. If they have been sold, please provide dates of sale, net book values at the time of the sale transactions, amounts of gross sale proceeds, and the net gain credited to ratepayers. If TGI continues to include them in rate base, please explain their current uses, lease revenue, and annual costs of these facilities.

Response:

TGI owns the Kamloops, Kelowna and Penticton office building/facilities. The facilities support office, field operations, stores, shops and yard storage for the utility.



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The Kamloops facility has lease revenue of \$99,648 per annum. Kelowna and Penticton do not have tenants. TGI anticipates lease revenue on the Kelowna facility beginning in 2008.

<u>Location</u>	<u>Annual Operating Costs</u>
Kamloops	\$120,250
Kelowna	\$170,720
Penticton	\$221,740

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5.0 Reference: Application, p. 2

Buildings and Use

5.1 As the Surrey Operations Building (Coastal Facilities Project) went into service in 2000, please provide on a year-by-year basis a summary of the TGI operations and activities at Lochburn, starting in 2001, which identifies the activities related to the surplus land that TGI proposes to sell separately from other activities. If possible, please provide an estimate of the number of TGI staff at Lochburn each year, broken out between surplus land and retained facilities.

Response:

The vacant land does not carry any operational activities however the balance of the land supports the following utility activities:

- Muster Station to support the distribution activities in the Metro District.
- Centralized warehouse and trucking facilities for the province.
- Fabrication, weld and machine shop facilities for the province.
- Scada backup facilities.

Please refer to the response to Question 5.2 for specific details, but all Terasen Gas staff for the period from 2001 to the present only worked on activities that supported the utility business. For the period from 2001 to the present, neither the Terasen Gas staff nor the Terasen Inc. staff who occupy lease space in the current buildings, performed work on the 7.67 acres of vacant land.

The land activities on the 7.67 acres of land that is now vacant include:

2001 – Demolition of Buildings

2001 to current – Mowing of boulevard lawn to meet City By-law

2002 to current – Environmental Investigation and Remediation Activities

Vicinity of Former Underground Storage Tanks

- Previous soil excavation programs did not fully remove the contamination within this area.
- Xylene, ethylbenzene, volatile petroleum hydrocarbons and light extractable petroleum hydrocarbons concentrations were found to exceed the regulation standards.
- Remedial activities include excavation and transport of hazardous waste soil and contaminated soil to off site permitted facility, water treatment and offsite disposal, installation of post confirmatory groundwater monitoring wells and sampling events and soil sampling on contaminates sidewalls and base.

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Former Maintenance Building

- Polycyclic aromatic hydrocarbons (PAH's) were identified in soils at one location south of the former maintenance building in hazardous waste concentrations. This appears to be related to a surficial contamination.
- Remedial activities include excavation and transport of hazardous waste soil to off site permitted facility.

2007 – Subdivision Preparation

October 2007 – Risk Assessment

Ground Water samples near former maintenance building appear to have been contaminated by creosote treated timbers. Because remedial cost would be high and alternative approach utilizing a Risk Assessment to gain Ministry of Environment acceptance will be pursued. This approach involved periodic re-sampling and reporting and is an accepted approach.

October 2007 – Report to Ministry of Environment for Certificate of Compliance

All work was performed by contractors.

- 5.2 Please provide a detailed description of the current TGI activities at Lochburn, including the office, shop, warehouse and storage space and staff for each activity, and identify the activities related to the surplus land that TGI proposes to sell separately from other activities.

Response:

TGI activities at Lochburn, include:

Distribution Operations:

Staffing: 55

Function:

- Field maintenance of metering and regulation equipment utilized on large commercial and industrial customers
- Field maintenance of metering and regulation equipment utilized at pressure reducing stations
- Field maintenance of metering and regulation equipment utilized on small commercial and residential customers
- Emergency response related to 3rd party damage of TGI's distribution system
- Emergency response related to customer premise leak calls
- Installation of customer meter sets
- Installation of distribution mains and services



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- Maintenance of distribution mains and services
- Valve Maintenance
- Maintain cathodic protection system for steel piping

Central Warehouse:

Staffing: 22

Function: Maintain inventory of materials required for TGI Operations, Maintenance, Construction and Emergency Response. Maintain trucking capability to transport materials and heavy equipment to field locations. Inventory materials include:

- Coatings & Cathodic Protection
- Environmental Clean-up products
- Fasteners & Gaskets
- Malleable Iron Fittings
- Meters, Regulators & Components
- Polyethylene Fittings and Pipe
- Pressure Control & Instruments
- Repair Materials
- Safety Supplies
- Signage & Traffic Control
- Steel Fittings and Pipe
- Tools, Equipment & Consumables
- Valves
- Emergency Response Equipment
- Bulk materials such as gravel, sand & topsoil

Machine Shop:

Staffing: 10

Function:

- Maintaining emergency and pressure control equipment in a state of readiness.
- Inspecting, testing, repairing, and performing preventative maintenance and inventory control of all field tools and equipment.
- Manufacturing of specialized gas tooling such as hole hogs, squeezers and insertion equipment.
- Maintaining PE fusion equipment.
- Provide field hot tap services, utilizing TD Williamson and Mueller equipment up to 30 inches diameter steel.

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Welding Shop:

Staffing: 19

Function:

Field – Mobile Field Arc Welding Services:

- New construction (pipeline and distribution).
- General maintenance and leak repair
- Emergency response.
- Carried out through 7 mobile rigs.

Shop – Fabrication of:

- Pressure piping assemblies such as regulator vaults, heaters, dust pots, odorant systems, regulator stations, meter set piping and LNG system components.
- Structural fabrications such as bridge hangers, brackets, cages, stands, station piping skids, equipment repair, and sheet metal work.
- Non-ferrous assemblies (aluminum, stainless steel welding).

Meter Set Fabrication Shop:

Staffing: 12

Function:

- Assemble, pressure test and paint industrial and commercial meter sets.
- Manufacture of manifolds for Multi-meter installations.
- Assemble Single family meter/regulator assemblies.
- Inspect pressure regulators
- Support operations in the preventative maintenance of pressure regulators

Instrumentation Shop:

Staffing: 4

Function:

- Maintain instrumentation utilized on large commercial and industrial customers
- Maintain data acquisition systems utilized on customers who have a tariff requiring automated daily meter reading



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Office:

Staffing:
TGI – 16

Function:

- Administrative functions to support field operations
- Inventory analysis
- Installation planning
- Management for site functions

TGI activities on surplus land are environmental review and mowing of boulevard grass. These services are being fulfilled by contractors.

Lease space to Terasen Inc.

The above staffing numbers exclude the lease space used by and paid for by Terasen Inc.

All such activities outlined in this response take place on the land that will be retained at Lochburn rather than the vacant land which is the subject of the Application. The vacant land will not be required in the future for these purposes either.

- 5.3 If any of the land that TGI proposes to sell is currently being used in any way, please explain how this use will be accommodated after the sale is completed.

Response:

The vacant land is not in use. The only activities taking place are remediation activities to conclude its utility use.

- 5.4 Please provide a map showing the portions of the TGI service area that are within 20 minutes response time under normal traffic conditions from Lochburn, Surrey Operations Centre and any other TGI operations centres that are regularly staffed by qualified emergency response personnel. Please provide an estimate of the number of customers who are within 20 minutes of Lochburn, but who are outside of that response time from Surrey Operations Centre.

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Response:

Unlike the fire department / firehall model, Terasen emergency first response personnel are responding primarily from their current job location not the operations centres and musters scattered strategically across the province. First responders to lines that have been hit and gas odour calls are generally Customer Service Technicians ("CST"), who are primarily engaged in routine customer service activities (meter exchanges, lockoffs, reconnects, meter investigations, etc.) when not responding to the higher priority emergencies (gas odour calls, hit lines, category 1 leaks). CSTs can be home mustered or headquartered at smaller musters/branches or regional operations centres and generally operate within a few localized dispatch areas. Dispatch areas could be a municipality or a subset of a municipality. In the Lower Mainland CST geographical areas of responsibility are established so as to minimize travel across major river bridges.

Emergency Crews, which can be primary or secondary responders to hit line events and secondary responders to emergency leaks detected through annual survey inspections would not normally be required to respond to gas odour emergency calls. They may be headquartered in larger operational centres and musters scattered strategically throughout the province, however, like CSTs, they are primarily responding from their current job location not the operational centre or muster. They are routinely assigned maintenance and capital installation work and on an as required basis dispatched to emergencies from their current job location.

The average day time travel time between Lochburn and Surrey Operations Centre varies between 30 and 60 minutes (say 45 minutes on average) between 6 AM and 8 PM. Virtually all of the customers within 20 minutes of Lochburn are outside a 20 minute response time from the Surrey Operations Centre. Responses to the Lochburn service area are currently not made by emergency response personnel mustered on the Surrey side of the Fraser River.

- 5.5 Recently, there is increased awareness of the need for TGI to be able to respond effectively to emergencies resulting from causes such as a seismic event, flooding or terrorist activity; please discuss how this increased awareness has impacted the need for facilities on high ground that can act as a centre for emergency response and that does not require responders to cross major bridges in order to reach large numbers of customers.

Response:

There has been no recent seismic or terrorist activity in the Lower Mainland although this is a risk that is monitored and minimized through system designs and corporate security activities. With respect to flooding, the Lower Mainland Spring 2007 flood preparation / emergency planning activities undertaken by Terasen Gas, municipalities and other utilities revealed that bridge end points could potentially be under water thereby limiting

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the ability of emergency response teams to access areas where resources may needed to be deployed to. The need for facilities to be on high ground to act as emergency response centres has always been part of the decision making process with respect to facilities used as emergency response musters.

It should be noted that the Lochburn site averages 18 meters above mean sea level and is surrounded by higher ground.

- 5.6 TGI, Terasen Gas (Vancouver Island) Inc. and Terasen Gas (Whistler) Inc. have been consolidating their utility activities, and expect to complete the consolidation in the near future. What impact has this consolidation had to date on staff numbers and the need for office and other space in the Lower Mainland, and specifically at Lochburn?

Response:

The consolidation of utility activities between TGI, TGV and TGW centralized shared functions to the Surrey Operations Centre. This caused some job loss in the Victoria offices with a slight increase in head count at Surrey. The Lochburn site was not directly impacted.

- 5.7 What further impact is the completion of this consolidation expected to have on staff numbers and the need for office and other space in the Lower Mainland, and specifically at Lochburn?

Response:

There is no further change expected in staff number and no impact to space in the Lower Mainland. It is anticipated that some limited space will be retained by Terasen when it comes off sublease in the downtown core to meet business needs, but this can not be adequately addressed by the Lochburn facility as it is the downtown proximity to professional services and the BCUC and intervenor offices that is the basis for this consideration.

- 5.8 Further to the previous question, please provide an estimate of the total number of residential, commercial and industrial customers and annual and firm peak day gas loads that Terasen serves in the Lower Mainland, Vancouver Island and Whistler in 2007, and expects to serve in 2017 and 2027.

Response:



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Region	Customer Class	Customers			Annual Demand (TJ's)			Core Peak Day Demand (TJ's)		
		2007	2017	2027	2007	2017	2027	2007	2017	2027
Coastal	Res	519,470	619,190	698,422	55,291	66,153	74,616			
	Comm	56,529	59,393	61,436	33,215	35,311	36,391			
	Ind	963	963	963	32,732	33,228	33,228	934	1081	1164
TGVI	Res	82,539	116,611	139,826	5,728	7,895	9,375			
	Comm	8,085	10,000	11,127	6,215	7,624	8,528			
	Ind	7	7	7	21,123	19,345	19,345	109	146	169
TGW	Res	2,206	2,506	2,806	194	223	250			
	Comm	361	417	472	594	625	600			
	Ind	0	0	0	0	0	0	7.2	7.6	7.8

Notes:

The TGVI industrial annual demand is based upon the Cogen consuming 45 TJ/day and the JV consuming 12.5 TJ/day until March 31, 2007, then 9.1 TJ/day until August 15, 2008, then 8.0 TJ/day from August 16, 2008 onwards. Residential and Commercial account and annual demand data is based upon the 2007 Mt Hayes LNG Storage Facility CPCN Application. Firm Peak Day Demand for 2007 is based upon the 2007 TGVI ACP submission, while the 2017 and 2027 figures are based upon the LNG Application.

The TGI Residential, Commercial and Industrial account and demand data is based upon the 2006 Resource Plan, note Burrard Thermal is not included. The 2007 Firm Peak Day Demand is based upon the 2007 TGI ACP submission, while the 2017 and 2027 figures are based upon the Resource Plan.

The TGW figures are all based upon the 2005 Resource Plan.

- 5.9 Based on the preceding customer and load forecasts, please compare the current number of TGI staff in the Lower Mainland with the numbers expected in 2017 and 2027.

Response:

As past history has shown there is not necessarily a direct correlation between customer growth percentages and total staff required. Customer growth of 36.5% from 2007 to 2027 does not translate into a similar staff growth rate. In the period from 1996 to 2006 customer growth has been 14.3% where staff levels have been reduced by 35.2%.

The assessment of current and future space requirements, along with operational considerations were evaluated as part of the Coastal Facilities Project CPCN in 1998 when employee levels were at 1,584, 45.9% higher than in 2006. The Coastal Facilities and other facilities that the Company owned or leased could accommodate all 1584 employees. With the subsequent staffing reductions that took place, the Company believes it can accommodate staffing growth that could reasonably be expected over the next twenty years including additional employees in the Burnaby area on the remaining land at Lochburn that is not being sold. While this might require the construction of new facilities on the land, that would be the case whether or not the vacant land were sold, and as noted, such facilities could be accommodated on the land being retained.



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5.10 Further to the previous question, please estimate what any projected increase in staff is expected to require in terms of additional office, shop or other space.

Response:

Staff increases are expected to be accommodated within the current office space. If additional space is required for utility staff in future, then the lease with Terasen Inc. at the existing Lochburn buildings will be terminated and that space can be used for utility purposes.

However, it should be noted, that operational reasons other than growth could in future create the need for facilities at locations other than Lochburn.

5.11 Considering the responses to the foregoing questions, please explain why TGI believes that any of the land at Lochburn is surplus to its current and future needs.

Response:

Please refer to the response to Question 5.9.

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6.0 Reference: Application, p. 2

Lower Mainland Operations

6.1 Presently, what facilities are still leased at 1111 West Georgia, Commerce Court, Gilfax Central Stores, and Bainbridge Meter Shop? If some space is still leased and occupied for utility purposes at the identified locations please elaborate on the use, appropriateness to continue leasing, and the benefits to ratepayers.

Response:

TGI holds a lease at 1111 West Georgia for 5 floors (9, 10, 11, 12 & 24). TGI personnel do not occupy this space. The space is subleased to tenants who pay a lease cost to TGI to reimburse the expense. The lease and subsequent subleases of these floors expire February 28, 2013.

Commerce Court, Gilfax Central Stores and Bainbridge Meter Shop leases have been terminated.

Please also refer to the response to Question 5.7.

6.2 On page 19 of the 1998 CPCN for the Head Office 1111 West Georgia it states: "BC Gas has the right to terminate the entire lease agreement (upon 12 months written notice) on February 28, 2003 or at any time after February 28, 2007." If TGI did not terminate the lease after February 28, 2007 please explain why.

Response:

TGI did not terminate the lease after February 28, 2007 as it has a legal obligation to fulfill its sublease agreements in place until 2013. TGI has, when opportunity allowed, surrendered appropriate floors.

6.3 Please provide a list of all office, shop, storage and other space that TGI currently owns or rents in the Lower Mainland, identifying the location, size, use and number of employees (or contract staff) at each location. Where some of the space at a location is sub-leased to others, please identify the amount of space and the lessee.

Response:

Please refer to Attachment 6.3. The existing buildings at the Lochburn site currently have 6573 sq. ft. of office space leased to Terasen Inc.



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6.4 For each rental space, please provide the current annual rental cost.

Response:

<u>Location</u>	<u>2007 Annual Rent Cost</u>	<u>Recovery</u>	<u>Net Cost</u>
1111-9 West Georgia	\$543,477	\$444,391	\$99,086
1111-10 West Georgia	\$543,477	\$558,447	-\$14,970
1111-11 West Georgia	\$543,477	\$508,547	\$34,390
1111-12 West Georgia	\$543,515	\$380,261	\$163,254
1111-24 West Georgia	\$512,790	\$512,790	\$0
North Vancouver Muster	\$ 46,800	n/a	\$46,800
Richmond Muster	\$ 33,840	n/a	\$33,840

6.5 If the list provided in response to the previous question does not include the locations that all TGI employees in the Lower Mainland work at or out of, please explain.

Response:

The list includes all rental locations in the Lower Mainland.

6.6 Please confirm that the Surrey Operations Building is at capacity, or identify the amount of vacant space there.

Response:

Surrey Operations has 45 vacant workstations.

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6.7 Please explain why the surplus land at Lochburn cannot be used to replace some or all of the rental facilities.

Response:

TGI has two rental facilities in the Lower Mainland, i.e. North Vancouver and Richmond musters that support TGI operations. The locations support field personnel and equipment storage. They are strategically placed within the community and need to remain within the current community to minimize response time to emergencies.

6.8 Could TGI construct new facilities on the surplus Lochburn land to replace some or all of the rental facilities? Please provide a business case comparing the cost of such facilities to the rental fees.

Response:

TGI's rental locations, Richmond and North Vancouver Musters, need to remain in the current community to meet emergency response times.

6.9 Could TGI lease the surplus Lochburn land to a developer on a long term basis, in return for a long term lease at zero or minimal cost for a portion of the office or other space that the developer would construct on the site? Please elaborate on this option.

Response:

Terasen Gas reviewed the option of leasing to a developer but it was not financially feasible due to the complexity of structuring such a long-term transaction. Based on discussion with our advisor, it was determined that developers were not interested in a long-term structure because their business model is to develop a property, construct and sell to third parties.

In any event, TGI does not need additional office space in the Burnaby area.



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7.0 Reference: Application, p. 2 and OIC 1830

The OIC 1830 states in section 2: "For the setting of rates and for all other purposes under the Utilities Commission Act, the appraised value of the plant in service ("rate base") of B.C. Gas Inc. as of July 16, 1988 has been ascertained as, and is declared by this order, to be \$582 699 000".

7.1 What was the net book value of the assets compared to the appraised value? Please provide the difference between the net book value at cost compared to the appraised value of the assets.

Response:

The net book value of the assets was established by the price paid by 74280 B.C. Ltd. for the assets pursuant to the Asset Purchase Agreement with BC Hydro.

As discussed in the response to question 3.12.1, the words "appraised value" used in OIC 1830 are the words that appear in what is now clause 59(5)(b) of the *Utilities Commission Act*. OIC 1830 makes it clear that the appraised value and the rate base value are the same thing.

The difference between the purchase price and the rate base value (repeated below) was provided in Appendix B of the application.

Purchase Premium Calculation

Purchase Price	\$729,000,000	100%
Rate Base per Order in Council 1830	582,699,000	79.93%
Non- Regulated portion of purchase (\$729,000,000 - \$582,699,000)	<u>\$146,301,000</u>	20.07%
Land and Land Rights per Order in Council 1830	<u>\$24,781,000</u>	

7.2 In Transcript page 3470 of the BC Gas Inc. 1992 Revenue Requirements Application ("RRA") the utility states in regard to the acquisition premium: "No. It was very much allocated to the assets at the time. It was considered part of the value and specifically identified in term of the underlying assets." Exhibit B-154 in the 1992 RRA indicates that the "Acquisition premium paid" was \$141.0 million and the balance at 12/31/91 per Ex. 137, Page 2.3 was \$164.4 million.



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Response:

The acquisition premium of \$141.0 million referenced in Exhibit B-154 of the 1992 RRA shows that there are two adjustments (\$15.1 million for Capitalized losses for the period of July 16, 1988 to September 30, 1988 and \$20.7 million for Tax Agreement adjustment) that increase the premium paid to 176.8 million. The \$176.8 million in acquisition premium is reduced by accumulated depreciation of \$12.4 million in Exhibit B-154 of the 1992 RRA resulting in a Balance, for the Lower Mainland Acquisition Premium, as at 12/31/91, of \$164.4 million. The Company believes the \$141 million was the product of the \$773 million financial consideration, less the payment in lieu of the net present value of income tax payable to the Province of \$44 million, the \$583 million allowed into rate base per OIC 1830, and \$5 million being the amount payable in lieu of property purchase tax and social services tax as estimated in the agreement dated July 15, 1988 by which the assets were transferred to 74280 B.C. Ltd.

in Millions of Canadian \$

As per 5.01 Financial Consideration per BC Hydro and 74280 agreement

\$ 716	Purchase price at the effective date		
8	Additional net fixed assest estimated at the date of the agreement		
5	amount payable in lieu of property purchase tax and sst		
44	payment in lieu of the npv of income tax payable		
773	74280Ltd. Purchase Price	\$ 785	Inland Purchase
583	Rate Base allowed per OIC 1830	583	of shares from 74280
190	Subtotal	202	
44	payment in lieu of the npv of income tax payable	44	
146		158	
5	amount payable in lieu of property purchase tax and sst	5	
\$ 141		\$ 153	
15.1	Capitalized losses for the period July16, 1988 to September 30, 1988	15.1	
20.7	Tax agreement Adjustment	20.7	
176.8		189.1	
22.9%	Purchase Premium %	24.1%	

The Company believes it has been conservative in it's calculation of the acquisition premium at 20.07% as shown in Appendix C of the application.



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7.2.1 Please reconcile the \$141.0 million to the \$146,301,000 shown in Appendix B page 18 of the current Application.

Response:

Exhibit B-154 in the 1992 RRA indicates that the "Acquisition premium paid" balance per Ex. 137, Page 2.3 was \$176.8 million with adjustments. The difference between the \$141 million shown in Exhibit B-154 in the 1992 RRA and the \$146 million in Appendix B page 18 of the current Application is the \$5 million payable in lieu of property purchase tax and social services tax as estimated as in the agreement dated July 15, 1988 between BC Hydro and 74280 B.C. Ltd.

7.2.2 Please show how the Lower Mainland Acquisition Premium was calculated. What accounting method was used that resulted in booking an acquisition premium?

Response:

Please refer to the response to Question 7.2. The acquisition premium is the difference between the carrying value of the assets in the legal books of the Company vs. what was allowed for rate setting purposes.

The financial statements of the Company have been prepared in accordance with Generally Accepted Accounting Principles in Canada and conform in all material respects with International Accounting Standards on a historical cost basis.

7.2.3 Please confirm that on page 4-6 of the BC Gas Inc. Plant Accounting Manual, effective January 1, 1991 includes "Premium Cost Coastal" account which relates to the acquisition of utility plant values.

Response:

Confirmed.

Page 4-6 of the BC Gas Inc. Plant Accounting Manual, effective January 1, 1991 regarding Retirement of Coastal Plant Retirement Units ("PRUs") reads as follows:

"Retirement of Coastal PRUs included in the 1988 acquisition utility plant values (Rate Base) will require an additional retirement equivalent to the premium,

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taxes, capital losses and acquisition costs associated with such plant. Plant Accounting will generate these entries.”

The Plant Accounting Manual deals with accounting procedures for both utility and non-utility assets and the noted wording deals with non-utility assets. The accounting procedure for non-utility assets is not a matter that is the jurisdiction of the Commission.

7.2.4 Please confirm that the Lower Mainland Acquisition Premium is wholly contained in Account 490 (Reference 2002 Annual Report to the Commission, pages 61.6 and 61.7).

Response:

The Lower Mainland Acquisition Premium is wholly contained in Account 490, it is not included in rate base nor does it earn a return.

7.2.5 Is the Lower Mainland Acquisition Premium allocated to the plant accounts? If so, explain.

Response:

The Lower Mainland Acquisition Premium is not allocated to other plant accounts in the regulated books but it is included in the plant accounts of the legal entity and reported in the appropriate asset classes in its external financial statements. The “Acquisition Premium” is the result of the difference between Generally Accepted Accounting Principles and amounts allowed into rate base per OIC 1830.

7.2.6 Please provide a copy of page 47 of the 2006 Annual Report. Please confirm the “Premium” in column four is the Lower Mainland Acquisition Premium.



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Response:

TERASEN GAS INC.
RECONCILIATION OF AVERAGE NON-CONSOLIDATED CAPITAL STRUCTURE
TO AVERAGE UTILITY CAPITAL STRUCTURE
FOR THE YEAR ENDED DECEMBER 31, 2006
(\$000)

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Line No.	Particulars (1)	Financial Statement Average (2)	Squamish (3)	Premium (4)	Franchise Obligation (5)	Assets Attracting AFUDC (6)	Coastal Facilities (7)	Other Assets (8)	Adjusted Financial Statements (9)	Average Capital Structure Per BCUC Annual Report (10)	Fort Nelson Service Area Capital Structure (11)	Lower Mainland, Inland & Columbia Service Areas Capital Structure (12)
1	Unfunded Debt	\$ 197,472	\$ (352)	\$ (13,978)	\$ -	\$ (1,410)	(\$50,300)	\$ 5,795	\$ 137,229	\$ 155,188	\$ 526	\$ 154,662
2												
3	Long-Term Debt	1,340,037	(2,973)	(55,765)	90,860	(13,043)	50,300	(2,664)	1,406,752	1,435,654	2,603	1,433,051
4												
5	Preference Shares	-	-	-	-	-	-	-	-	-	-	-
6												
7	Common Equity	900,448	(2,216)	(34,351)	48,925	(7,782)	-	(1,555)	903,469	856,608	1,585	854,923
8												
9												
10	Total Capital	<u>\$ 2,437,957</u>	<u>\$ (5,541)</u>	<u>\$(104,093)</u>	<u>\$ 139,785</u>	<u>\$ (22,235)</u>	<u>\$ -</u>	<u>\$ 1,576</u>	<u>\$2,447,450</u>	<u>\$ 2,447,450</u>	<u>\$ 4,814</u>	<u>\$ 2,442,636</u>
11												
12												
13												
14												
15	Unfunded Debt %	8.10%	6.35%	13.43%	0.00%	6.34%	0.00%	367.63%	5.61%	6.34%	10.93%	6.33%
16												
17	Long-Term Debt %	54.97%	53.85%	53.57%	65.00%	58.66%	0.00%	-169.00%	57.48%	58.66%	54.07%	58.67%
18												
19	Preference Shares %	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%	0.00%
20												
21	Common Equity %	36.93%	40.00%	33.00%	35.00%	35.00%	0.00%	-98.63%	36.91%	35.00%	35.00%	35.00%
22												
23												
24	Total Capital %	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>0.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>	<u>100.00%</u>

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Page 47 of the 2006 Annual report provides a reconciliation of the total capital per the Financial Statement presentation versus total capital as per the BCUC Annual Report (2006). The premium, column 4 refers to the net book value of the Lower Mainland Acquisition Premium as at December 31, 2006.

The difference between the purchase price in the Asset Transfer Agreement from BC Hydro to 74280 Ltd. versus what was allowed into rate base under OIC 1830 gave rise to the acquisition premium. There was no acquisition premium related to the 1988 share purchase by Inland Natural Gas Co. Ltd. of 74280 B.C. Ltd. The difference in financial consideration of \$12 million dollars (\$785 million for the share purchase and \$773 million for the asset transfer agreement) reflects the increase in net book value of assets acquired between July 16, 1988 and September 30, 1988, the closing dates of the two transactions. Rate base increased by the same \$12 million. Therefore, no "goodwill" or additional premium arose on the purchase of the shares.

7.2.7 What is the amortization rate and amount of the Lower Mainland Acquisition Premium in 2006? What is the rationale for using that amortization rate?

Response:

The average 2006 Lower mainland acquisition premium is \$104,093,000. The amortization of the Acquisition Premium for 2006 would be equivalent to the weighted average amortization rate of the related assets, an effective rate of 2.4%. The amortization rate of assets follows Generally Accepted Accounting Principles in Canada.

7.3 In page 2 of the Application TGI states: "The difference between the purchase price of \$729 million for the assets that have provided service to customers of TGI and the \$582,699,000 allowed as rate base for those same assets represents the proportion of the purchased assets that were not included for rate making purposes and on which the Company has never earned a return on its investment, i.e. that are considered non-regulated for rate-setting purposes, but which remain on the balance sheet of TGI."

7.3.1 Please confirm that the purchase price was for the purchase of shares of 74280 B.C. Ltd. and not from the sale of assets from 74280 B.C. Ltd. to Inland. If not, please explain.

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Response:

The purchase price of \$729 million refers to the asset transfer agreement between BC Hydro and 74280 B.C. Ltd. which results in a more conservative valuation of the acquisition premium than using the share purchase agreement between 74280 B.C. Ltd. to Inland. The purchase price of \$729 million refers to the sale by BC Hydro and purchase by 74280 of assets; not the purchase of the shares of 74280 by Inland.

The asset transfer agreement from BC Hydro to 74280 Ltd. versus what was allowed into rate base under OIC 1830 gave rise to the acquisition premium. There was no acquisition premium related to the 1988 share purchase by Inland Natural Gas Co. Ltd. of 74280 B.C. Ltd. The difference in financial consideration of \$12 million dollars (\$785 million for the share purchase and \$773 million for the asset transfer agreement) reflects the increase in net book value of assets acquired between July 16, 1988 and September 30, 1988, the closing dates of the two transactions. Rate base increased by the same \$12 million.

7.3.2 When Inland bought the shares of 74280 B.C. Ltd, please confirm that Inland in its financial statements held the acquisition premium and that the sale of shares had no effect on the financial statements of 74280 B.C. though the effective ownership and control of the subsidiary corporation changed. If not, please explain.

Response:

The question appears to be erroneously confusing the amount paid over book value by Inland for the shares of 74280 B.C. Ltd with the acquisition premium that is referred to in the application on the underlying assets which is the difference between what OIC 1830 allowed into rate base and the amount which 74280 BC Ltd. paid BC Hydro for the assets.

The premium used for the pro-ration of proceeds in the Application is based on the difference between the price paid by 74280 B.C. Ltd versus the amount that was allowed in rate base pursuant to the Order in Council. It does not relate to the price paid in the Share Purchase Agreement by which Inland purchased the shares of 74280 B.C. Ltd.

Please refer to the response to Question 7.3.1 for a more detailed explanation on how the share purchase agreement did not result in an acquisition premium.

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- 7.3.3 Please confirm that when Inland amalgamated with B.C. Gas Inc., Columbia Natural Gas Limited and Fort Nelson Gas Ltd. that the new merged entity of BC Gas Inc. carried over in its financial statements the acquisition premiums, if any, from each of the predecessor companies.

Response:

The financial statements of Inland Natural Gas Co. Ltd., B.C. Gas Inc., Columbia Natural Gas Limited and Fort Nelson Gas Ltd. were prepared in accordance with Generally Accepted Accounting Principles in Canada on a historical cost basis. On the amalgamation of these four companies, BC Gas Inc. continued to have its financial statements represented on a historical cost basis.

Please also refer to the response to 7.3.2. The acquisition premium being referred to in the application is not a share purchase premium, it is the difference between what was actually paid for assets (not shares) and the amount allowed by OIC 1830 into rate base for rate making purposes. It is true that the difference in rate base value and the asset values in the financial statements carried through the amalgamation, but the premium does not represent goodwill on a share purchase.

- 7.3.4 If Inland Natural Gas Co. operated 74280 B.C. Ltd. as a subsidiary and the two companies did not amalgamate or merge, would any of the Lower Mainland Acquisition Premium show up in the subsidiary company (74280 B.C. Ltd.)? If so, explain how.

Response:

Yes, all of it. The acquisition premium was a result of the asset transfer agreement between BC Hydro and 74280 B.C. Ltd. where the financial consideration for the assets purchased (**not shares**) was \$729 million which differed by \$146 million from the amount allowed in rate base through OIC 1830. The subsequent share purchase by Inland Natural Gas Co. did not give rise to the acquisition premium.

- 7.3.5 Please confirm that when Kinder Morgan, Inc. purchased the shares of Terasen Inc. and thus effectively controlled the shares of Terasen Gas Inc. that the rate base and financial statements of Terasen Gas Inc. did not change and any acquisition premium was in the financial statements of Kinder Morgan, Inc. If not, explain.



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Response:

Confirmed. The fundamental difference here is that the premium we are discussing for 74280 B.C. Ltd was not a share purchase premium, it was the difference between what 74280 B.C. Ltd. paid for assets it purchased from BC Hydro and what it was allowed to include in rate base for rate making purposes.

7.3.6 Please confirm that when Fortis Inc. purchased the shares of Terasen Inc. and thus effectively controlled the shares of Terasen Gas Inc. that the rate base and financial statements of Terasen Gas Inc. did not change and any acquisition premium was in the financial statements of Fortis Inc. If not, explain.

Response:

Confirmed, but as noted in the response to Question 7.3.5, we are not discussing a share purchase premium in the July 27 Application. This series of questions seems to be misinterpreting the facts of the situation. 74280 B.C. Ltd. was not allowed to include in rate base the full purchase price of the assets (not shares) that it purchased from BC Hydro. This is the "acquisition premium" the Company is basing its proration calculations on. The share purchase premium that arose from the subsequent Inland purchase of the shares of 74280 B.C. Ltd. plays no part in the calculations shown in Appendix B of the Application.



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8.0 Reference: Application, p. 3

On page 3 of the Application it states:

"Since the demolition of the unsafe buildings and fencing off of the 7.67 acre parcel (shown in Appendix A), the vacant land has not been occupied by Terasen Gas or its employees."

"With regard to the vacant 7.67 acres the Company has completed numerous studies, water sampling and soil testing and undertaken soil remediation activities required to address the environmental problems that arose during the use of the land for utility purposes. Environmental issues continue to be present respecting the appropriate treatment of the creosol piles that were the foundation support of the old buildings on the site."

"In early 2007, after negotiations with the highest bidder, a Purchase and Sale Agreement was signed with a purchase price of \$14,850,000."

8.1 When were the unsafe buildings demolished?

Response:

The buildings were demolished in 2001.

8.1.1 Provide details including dates and amounts of the regulatory and financial accounting treatment for the demolition of the buildings.

Response:

Please refer to the response to Question 3.7.3. Demolition costs were capitalized to the new buildings as part of the Coastal Facilities project. They were not separately invoiced by the contractor.

8.1.2 How were the demolition costs recovered in rates?

Response:

Demolition costs were included in the cost of the new Coastal Facilities assets and included in rate base.



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8.2 Please confirm whether the 7.67 acres has continued to be included in the Terasen Gas rate base since the 'decommissioning' of the land.

Response:

The Company, through the current Application is requesting the removal of the 7.67 acres from rate base as the activities to address environmental problems that had arisen during the period the land was used to provide utility service are nearing completion, i.e. decommissioning is not quite complete. The 7.67 acres has continued in rate base as it has been used for utility purposes to complete the remediation work.

8.3 Is the Lochburn land being sold on an "As is where is purchase" (i.e. the purchaser assumes any and all liabilities of any nature whatsoever relating to the property from and after the closing date, whether such liabilities existed prior to or were caused before or after the closing date and whether caused by TGI or otherwise)? If not, please provide the estimated cost of any TGI liabilities relating to the property from and after the closing date.

Response:

TGI has an obligation to deliver title to the subdivided site in registerable form. To achieve this, TGI has to meet various requirements as outlined by the City of Burnaby in Subdivision Application #04-05. Also, TGI must demonstrate that the site complies with Ministry of Environment guidelines according to the Waste Management Act and Contaminated Site Regulations. There will be no obligation or liabilities after the closing date.

8.4 Please confirm that in the Purchase and Sale Agreement, TGI has made no representations or warranties with respect to the environmental condition of the surplus Lochburn land. If not, please provide the estimated cost of any TGI environmental liabilities relating to the property from and after the closing date.

Response:

As per the Purchase Sale Agreement, TGI is required to deliver a Certificate of Compliance under the *Environmental Management Act* which establishes the environmental condition of the property for the sale.



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9.0 Reference: Application, p. 5

Coastal Facilities Project

- 9.1 On page 5 of the current Application it states: "In August 2004 Terasen Gas made an application to the Commission to transfer to rate base the representing the outstanding balance of the Coastal Facilities Project, due to a change in generally accepted accounting principles."

9.1.1 Please clarify the meaning of the sentence quoted above.

Response:

The sentence should read as follows:

"In August 2004 Terasen Gas made an application to the Commission to transfer to rate base the undepreciated book value of the Coastal Facilities Project, due to a change in generally accepted accounting principles."

- 9.1.2 Please describe and provide references to the generally accepted accounting principles to which reference is made.

Response:

The Canadian Institute of Chartered Accountant's Handbook Section 1100 "Generally Accepted Accounting Principles" establishes standards for financial reporting and describes what constitutes Canadian Generally Accepted Accounting Principles ("GAAP") and the sources to follow or consult to comply with GAAP.

Paragraph 1100.03 states that: "*An entity should apply every primary source of GAAP that deals with the accounting and reporting in financial statements of transactions or events encountered by the entity. [OCT. 2003]*"

Paragraph 1100.02 further defines primary sources of GAAP as follows:

- c) **Primary sources of generally accepted accounting principles (primary sources of GAAP)** are, in descending order of authority:
- (i) Accounting Handbook Sections 1300-4460, including Appendices and Board Notices;
 - (ii) Accounting Guidelines, including Appendices and Board Notices;
 - (iii) Abstracts of Issues Discussed by the Emerging Issues Committee (EIC Abstracts), including Appendices;



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- (iv) *Background Information and Basis for Conclusions documents accompanying pronouncements described in (i)-(ii), including Appendices;*
- (v) *Illustrative material¹ of those pronouncements described in (i)-(iv); and*
- (vi) *Implementation Guides authorized by the Board.*

All Accounting Guidelines are now considered a primary source of GAAP and must be followed when applicable, despite the issue that there is not a Handbook Section issued on Variable Interest Entities.

In order for Terasen Gas Inc. to comply with GAAP, Accounting Guideline-15 ("AcG-15") must be applied for its fiscal year commencing January 1, 2005.

AcG-15, *Consolidation of Variable Interest Entities* ("VIEs") expands the concept of control beyond the ownership of voting rights. The Guideline requires enterprises to identify VIEs in which they have an interest, determine whether they are the primary beneficiary of such entities and, if so, to consolidate them.

A VIE is an entity in which:

- the equity is not sufficient to permit that entity to finance its activities without external support; or
- equity investors lack either voting control, an obligation to absorb expected losses or the right to receive expected residual returns.

A primary beneficiary is an enterprise that will absorb a majority of a VIE's expected losses and/or receive a majority of its expected residual returns.

Under AcG-15 the synthetic lease was considered a VIE and with Terasen Gas as the primary beneficiary, the Company was required to consolidate the VIE.

¹ Illustrative material includes the decision tree and examples embedded in EMPLOYEE FUTURE BENEFITS, Section 3461, and the examples embedded in INCOME TAXES, Section 3465, and EARNINGS PER SHARE, Section 3500.



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10.0 Reference: Application, pp. 5-7

Coastal Facilities Project Benefits Exceeded Expectations

10.1 Please explain the relevance of this section to the Application.

Response:

Terasen Gas is demonstrating that the financial case for the Coastal Facilities Project and subsequent determination that it was in the public interest was not predicated on the sale of the surplus land. Notwithstanding that, the benefits ***without the sale of the land proceeds*** have far exceeded the financial expectations that were put forth in the 1998 Coastal Facilities Project.

10.2 The Application on page 7 states: "Terasen Gas is the owner of the 7.67 acres of vacant land that is no longer required for the provision of utility service." Has this been the case since the vacating and demolition of the buildings on the property? Alternatively, from what date has the property no longer been required?

Response:

A distinction must be made between the terms "no longer required for utility service" and "included in rate base". The rate base amount of \$1,136,155 has not been removed from rate base as activities required to address the environmental problems that had arisen during the period the land was used to provide utility service were still ongoing. As those activities are nearing completion the 7.67 acres of land is no longer required for utility service. Terasen Gas is therefore applying for approval to dispose of the 7.67 acres of vacant land and coincidentally to remove from rate base the amount associated with the vacant land.



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11.0 Reference: Application, p. 6

11.1 Please confirm that the benefits from reduced lease costs is not reduced by the costs to acquire office space at the Lochburn and Surrey sites (e.g. costs of synthetic lease, debt interest, and return on equity, and other maintenance costs)?

Response:

The synthetic lease, and construction option recommended by the Company in the 1998 Coastal Facilities Project CPCN application was the lowest cost alternative and was approved by the Commission.

The table on page 6 of the Application was intended to, and does, show the anticipated benefits as compared to the actual benefits. The table was not intended to show the costs.

Lease costs savings were projected at the time and the actual savings to date on the leases have far exceeded those that had been anticipated. Therefore the overall benefits have exceeded those anticipated by the Company in the application.

As noted at page 5 of the Application, the costs of the Project were approximately \$400,000 under budget.

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12.0 Reference: Application, pp. 7-14

ATCO Decision by the Supreme Court of Canada ("ATCO Decision")

12.1 The majority judgment of the Supreme Court of Canada states that "the limits of the powers of the Board ("AEUB") are grounded in its main function of fixing just and reasonable rates ("rate setting") and in protecting the integrity and dependability of the supply system" (para. 7).

In light of the ATCO Decision, please confirm that the Commission has the jurisdiction to approve utilities' applications for a Certificate of Public Convenience and Necessity ("CPCN"), which may involve disposition and replacement of non-productive assets.

Response:

Sections 45 and 46 of the *Utilities Commission Act* deal with certificates of public convenience and necessity, and the procedure on applications for CPCNs. As noted in the response to question 2.3.1, subsections 1, 2, 4 and 5 of section 45 relate to the requirement for a CPCN where construction of, or an extension of, a public utility plant or system is to be undertaken. The judgment of the Supreme Court of Canada in the ATCO case did not involve consideration of legislation similar to section 45 of the *Utilities Commission Act*.

Subsection 45(1) of the *Utilities Commission Act* requires a person to obtain from the Commission a certificate of public convenience and necessity before beginning construction or operation of a public utility plant or system, or an extension of either. The combination of subsection 45(1) and subsection 46(3) provides the Commission with jurisdiction to grant a CPCN for construction and operation of a public utility plant or system. The effect of those provisions of the Act is that the Commission issues or refuses to issue a CPCN (see subsection 46(3)), the Commission does not "approve" the application for a CPCN.

While the construction of a public utility plant or system, or an extension of either, may involve the disposition or replacement of non-productive assets, subsection 45(1) does not provide the Commission with jurisdiction to approve the disposition of public utility assets. If a public utility intends to dispose of assets, other than in the ordinary course of business, then approval of the Commission must be obtained. The Commission's jurisdiction to approve such a disposition arises from section 52 of the *Utilities Commission Act*, not from section 45. If the disposal of assets is within the ordinary course of business Commission approval is not required. Commission approval of the acquisition of assets by public utility is not required, so the replacement of assets (be they productive or non-productive assets) by a public utility does not require Commission approval.

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- 12.2 Subsection 45(6.2)(c) of the Utilities Commission Act ("UCA") in reference to a CPCN states that the Commission may "determine the manner in which any expenditures referred to in the plan can be recovered in rates".

Please confirm that the Commission has the jurisdiction to approve the amount of expenditure (net of proceeds from disposition or replacement of non-productive assets) for a CPCN application to be included and recovered in rates. If not, please explain.

Response:

Terasen Gas does not confirm the statement in the question.

The question confuses the Commission's jurisdiction under subsection 45(1) of the *Utilities Commission Act* with the Commission's jurisdiction under subsection 45(6.2).

If the question is intended to refer to the Commission's jurisdiction when Order No. C-14-98 was made in 1998, it must be noted that subsections 6.1 and 6.2 of section 45 were added to of the *Utilities Commission Act* in 2003 by the *Utilities Commission Act, 2003*. The jurisdiction the Commission has under subsection 45(6.2) did not exist in 1998.

Further, as noted in the response to Question 2.3.1, section 45 of the Act deals with a number of quite separate topics. The fact that the separate topics are found within one section does not transfer or assign the Commission's jurisdiction under one subsection to another subsection.

The Commission's jurisdiction under subsection 45(1), which requires a person to obtain from the Commission a certificate of public convenience and necessity before beginning construction or operation of a public utility plant or system, or an extension of either, is to issue or refuse to issue the CPCN. Under subsection 46(3) the Commission has jurisdiction to attach terms to the right or privilege granted by the CPCN. Those terms must relate to the right or privilege granted by the CPCN. The Commission does not have a rate making jurisdiction when considering an application for a CPCN for a public utility plant or system.

That is not to say that in its consideration of an application for a CPCN for the construction of a public utility plant or system the Commission cannot consider how the plant or system may effect rates; but such consideration is to be part of the Commission's determination if a CPCN should be issued or refused. On an application under subsection 45(1) the Commission is to determine if a CPCN should be issued; the Commission does not determine rates on such an application.

Subsections 6, 6.1 and 6.2 of section 45 do not relate directly to the issuance of, or refusal to issue, a CPCN. Subsection 6.1 requires a public utility to file certain plans with the Commission. Subsection 6.2 grants the Commission certain jurisdiction after receipt of a plan filed under subsection 6.1; the Commission has no jurisdiction under subsection 6.2 until it receives a plan filed under subsection 6.1. Clause 45(6.2)(c) provides the Commission with jurisdiction to determine the manner in which expenditures identified in a plan (filed as required under 6.1 and that has been received

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by the Commission) can be recovered in rates. In effect, clause 45(6.2)(c) provides the Commission with a limited rate-determination jurisdiction, but that jurisdiction can only be exercised in relation to a plan of the type set out in subsection 45(6.1).

In respect of this Application under section 52 of the Act for Commission approval of the disposition of the vacant lands at Lochburn, there is no plan of the type referenced in subsection 45(6.1) before the Commission and therefore the jurisdiction of the Commission under subsection 45(6.2) cannot arise. Also, as discussed above, in 1998 the provisions of subsections 6.1 and 6.2 did not exist, and accordingly the Commission could then have had no jurisdiction under what is now subsection 45(6.2).

The question refers to "net of proceeds from disposition or replacement of non-productive assets". It is not clear to what those words are intended to refer, since clause 45(6.2)(c) does not contain those words. But in any event, clause 45(6.2)(c) is not applicable to this Application.

12.3 The ATCO Decision on paragraph 77, the Court states:

"This is not to say that the Board can never attach a condition to the approval of sale. For example, the Board could approve the sale of the assets on the condition that the utility company gives undertakings regarding the replacement of the assets *and their profitability*. It could also require as a condition that the utility reinvest part of the sale proceeds back into the company in order to maintain a modern operating system that achieves the optimal growth of the system." (emphasis added)

Order No. C-14-98, Direction No. 4, states:

"The Commission approves the sale of surplus land at Lochburn providing the net proceeds are used for the benefit of utility ratepayers."

12.3.1 Please comment on whether or not the sale of the land that is the subject of the Application has been approved by the Commission? If so, please explain why further approval is required? If so, please also comment on whether or not the Application should be considered a request of the Commission to reconsider the "net proceeds" condition attached to the approval of the sale?

Response:

The portion of paragraph 77 of the majority judgment of the Supreme Court of Canada in the ATCO case must be put in context. The complete paragraph 77 reads as follows:

Consequently, in order to impute jurisdiction to a regulatory body to allocate proceeds of a sale, there must be evidence that the exercise of that power is a

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practical necessity for the regulatory body to accomplish the objects prescribed by the legislature, something which is absent in this case (see *National Energy Board Act (Can.) (Re)*, [1986] 3 F.C. 275 (C.A.)). In order to meet these three goals, it is not necessary for the Board to have control over which party should benefit from the sale proceeds. The public interest component cannot be said to be sufficient to impute to the Board the power to allocate all the profits pursuant to the sale of assets. In fact, it is not necessary for the Board in carrying out its mandate to order the utility to surrender the bulk of the proceeds from a sale of its property in order for that utility to obtain approval for a sale. The Board has other options within its jurisdiction which do not involve the appropriation of the sale proceeds, the most obvious one being to refuse to approve a sale that will, in the Board's view, affect the quality and/or quantity of the service offered by the utility or create additional operating costs for the future. This is not to say that the Board can never attach a condition to the approval of sale. For example, the Board could approve the sale of the assets on the condition that the utility company gives undertakings regarding the replacement of the assets and their profitability. It could also require as a condition that the utility reinvest part of the sale proceeds back into the company in order to maintain a modern operating system that achieves the optimal growth of the system.

The August 20, 1998 Application of BC Gas Utility Ltd. (now Terasen Gas Inc.) relating to the Coastal Facilities Project was an application for a certificate of public convenience and necessity. The 1998 application was summarized in the August 20, 1998 covering letter as follows:

The Coastal Facilities Project – 1998 (the "Project") consists of operating buildings located at the Lochburn site in Burnaby, B.C. and at the Fraser Valley sit in Surrey, B.C.

The Project is a refinement of our previous Coastal Facilities application which was approved by the Commission in 1995. A key theme of the Project is centralization through the creation of a main operating centre at the Fraser Valley site, while maintaining proper service coverage for the Metro Distribution system (i.e. the north side of the Fraser River) at the Lochburn site. The buildings are designed to provide adequate and safe facilities for the employees to render quality service to customers.

The increased focus at Fraser Valley has resulted in recommending a four floor office building. This will be the main centre of activity for existing operations, and may become even more central as BC Gas continues to reduce its dependence on BC Hydro. In addition, a reduction in presence at 1111 West Georgia is planned.

BC Gas also wishes to highlight the adoption of an innovative financing technique which should reduce customer rate impacts as a result of this Project. While the approach is unique to this application, it is hoped that the Commission will view this favourably as an indication of the Company's effort to approach issues from a broader perspective than the traditional regulatory approach.

The 1998 Application did not seek Commission approval for the disposition of land at Lochburn under section 52 of the *Utilities Commission Act*.

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Order No. C-14-98 refers to the application by BC Gas Utility Ltd. for a CPCN and is entitled "Certificate of Public Convenience and Necessity". Preamble M. to that Order notes that the August 20, 1998 Application was an application for a CPCN. Order No. C-14-98 does not make reference to section 52 of the *Utilities Commission Act*, nor does that Order refer to an application by BC Gas Utility Ltd. for approval of the disposition of land at Lochburn (or elsewhere).

Order No. C-14-98 does say, in section 4 of the Order:

The Commission approves the sale of surplus land at Lochburn providing the net proceeds are used for the benefit of utility ratepayers. If BC Gas proposes to credit less than 100 percent of the net proceeds of the land sales to utility ratepayers, it is directed to request and justify Commission approval for its proposed course of action.

Approval of the type referenced in section 4 of the Order was not requested in the August 20, 1998 Application. Section 4 does not say that Commission approval of the sale of land granted pursuant to section 52 of the *Utilities Commission Act*. The current Application identifies specifically what land at Lochburn is to be the subject of the disposition, and seeks Commission approval for that disposition; Order C-14-98 does not identify what land at Lochburn can be sold, other than by referring to "surplus land".

Order No. C-14-98 issued to BC Gas Utility Ltd. a certificate of public convenience and necessity, consistent with what the August 20, 1998 application sought. BC Gas Utility Ltd. did not seek Commission approval under section 52 of the *Utilities Commission Act*, and Order No. C-14-98 does not purport to provide approval under that section.

Section 52 of the *Utilities Commission Act* requires that a public utility must not, except for a disposition in the ordinary course of business, dispose of or encumber the whole or part of its property without first obtaining the Commission's approval. Now that the specific part of the Lochburn property that is to be sold has been identified, and is in close to a condition in which it can be sold, it is appropriate for an application to be made pursuant to section 52 for Commission approval of the disposition.

This July 27, 2007 Application is not an application for reconsideration of Order C-14-98, which was the issuance of a CPCN. This Application is an application pursuant to section 52 of the *Utilities Commission Act* for Commission approval of the disposition of a 7.67 acre parcel of land at Lochburn. There has been no previous application for the required section 52 approval.

In any event, each application to the Commission must be considered on its merits and the facts then known, taking into account the legislative framework and the Commission's jurisdiction. The Commission's obligation to consider the application before it, and to make a legally correct decision, is not to be fettered by a decision or determination that the Commission has made in the past.



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Terasen Gas Inc. has applied to the Commission pursuant to section 52 of the *Utilities Commission Act* for approval of the sale of a 7.67 acre parcel of land at Lochburn. The application is based on the facts that are set out in the Application and are now before the Commission. Terasen Gas Inc. expects that the Commission will decide the application based on its merits and the facts presented in this proceeding, taking into account the legislative framework and the Commission's jurisdiction.

12.3.2 Please comment on whether or not the "net proceeds" condition is beyond the jurisdiction of the Commission?

Response:

In responding to this question it has been assumed that the reference to "net proceeds" is a reference to section 4 of Order No. C-14-98 (reproduced above).

As discussed in the response to Question 12.3.1:

The 1998 Application did not seek Commission approval for the disposition of land at Lochburn under section 52 of the *Utilities Commission Act*.

Order No. C-14-98 refers to the Application by BC Gas Utility Ltd. for a CPCN and is entitled "Certificate of Public Convenience and Necessity". Preamble M. to that Order notes that the August 20, 1998 Application was an application for a CPCN. Order No. C-14-98 does not make reference to section 52 of the *Utilities Commission Act*, nor does that Order refer to an application by BC Gas Utility Ltd. for approval of the disposition of land at Lochburn (or elsewhere).

In 1998 there was not (and now there is not) jurisdiction under section 45 or 46 of the *Utilities Commission Act* for the Commission to impose a "net proceeds" condition as a condition of a certificate of public convenience and necessity.

12.3.3 In circumstances where the utility plans to replace the asset to be sold by another asset that will provide the same or similar service, is it within the Commission's jurisdiction to condition the approval of the sale by directing that the sale proceeds be to the credit of ratepayers by allocating the sale proceeds to the purchase of the "replacement asset"?

Response:

Commission approval of the sale (disposition) of property of a public utility is only required where the sale (disposition) is not in the ordinary course of business.

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In responding to this question it has been assumed that the question is referring to a disposition of property of a public utility, that the disposition is other than in the ordinary course of business, and that an application has been made pursuant to section 52 of the *Utilities Commission Act* for Commission approval of the disposition.

As discussed in the response to Question 2.2, the conclusion of the majority of the Supreme Court of Canada in the ATCO case was that the AEUB did not have jurisdiction to allocate the proceeds of the sale of the asset of a public utility. Similarly, the Commission does not have jurisdiction under subsection 52(2) to allocate the proceeds of the sale of a utility asset, and therefore does not have jurisdiction to make its approval of the disposition of the Lochburn property by imposing a condition that requires that the sale proceeds be allocated to the credit of ratepayers. In the AEUB's Decision that led to the Supreme Court of Canada judgment in ATCO the AEUB ordered that a portion of the proceeds of the sale be allocated to the credit of ratepayers. Both the Alberta Court of Appeal and the Supreme Court of Canada decided that the AEUB did not have that jurisdiction. Whether the allocation to ratepayers is by way of a reduction in their rates or by way of a direction that the sale proceeds be used to purchase the "replacement asset", it remains an allocation to ratepayers.

- 12.3.3.1 Alternatively, is it within the Commission's jurisdiction to include in rate base the purchase price of the "replacement asset" less the "net proceeds"? Were these types of conditions contemplated by the Court in the above quote from the ATCO case?

Response:

The question refers to the conditions contemplated by the Supreme Court of Canada in the quotation from paragraph 77 of the majority judgment of the Supreme Court of Canada in the ATCO case. The whole of paragraph 77 is included in the response to Question 12.3.1.

Paragraph 77 is part of the majority judgment that addresses the second argument of the City of Calgary, being the City's submission that the power to allocate the proceeds from the sale of the utility's assets is necessarily incidental to the express powers conferred on the AEUB by the legislative provisions that are the equivalent of section 52 of the *Utilities Commission Act*. As set out in paragraph 72 of the judgment, the City of Calgary argued that AEUB must necessarily have the power to allocate sale proceeds as part of its discretionary power to approve or refuse to approve a sale of assets. The City submitted that this power to allocate sale proceeds results from the authority granted to the AEUB to attach a condition to an order it makes approving such sale. Bastarache,

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J., for the majority, disagreed with that submission of the City of Calgary. In paragraphs 73 and 74 the majority judgment discusses the doctrine of jurisdiction by necessary implication. Paragraph 75 states:

In the case at bar, s. 15 of the AEUBA, which allows the Board to impose additional conditions when making an order, appears at first glance to be a power having infinitely elastic scope. However, in my opinion, the attempt by the City to use it to augment the powers of the Board in s. 26(2) of the GUA must fail. The Court must construe s. 15(3) of the AEUBA in accordance with the purpose of s. 26(2).[s. 26(2) of the GUA and s. 15(3) of the AEUBA are at pp. 7 and 8 of the July 27 Application]

In paragraph 76 the judgment refers to the three broad reasons for the requirement that a sale must be approved by the regulatory tribunal. Those three reasons are set out at pages 12 and 13 of the July 27 Application. Paraphrasing, the three reasons are to prevent the utility from degrading service; to ensure the utility maximizes the aggregate economic benefits of its operations; and to seek to prevent favouritism toward investors. Paragraph 77 of the judgment, as set out in the response to question 12.3.1, follows the reference to those three reasons. Following paragraph 77 are paragraphs 78 and 79, which are referenced on page 13 of the July 27 Application. In those paragraphs Mr. Justice Bastarache stated that allowing the AEUB to confiscate the net gain of the sale under the pretence of protecting rate-paying customers and acting in the "public interest" would be a serious misconception of the powers of the AEUB to approve a sale.

It is in the context of that part of the judgment, which addresses the argument of the City of Calgary that the power to allocate the proceeds from the sale of the utility's assets is necessarily incidental to the express powers conferred on the AEUB, that paragraph 77 and the quotation in this question must be considered.

Paragraph 77 is referring back to the three reasons (or goals) set out in paragraph 76 of the judgment and paraphrased above. Paragraph 77 of the judgment considers if the power to allocate the proceeds from the sale of a utility's assets (such as might be suggested by the wording in subsection 52(2) of the *Utilities Commission Act*) is necessary for the regulatory agency to meet the three reasons (or goals) for the requirement that approval of the disposition of utility assets must be obtained. In paragraph 77 the Court is saying that the public interest component is not sufficient to impute to the AEUB (or in respect of this Application, to the BCUC) the power to allocate the profits from the sale of assets. As set out in the sentence preceding the quotation from paragraph 77 in the preamble to this set of questions, the AEUB can refuse to approve a sale that will affect the quality and/or quantity of the service offered by the utility or will create additional operating costs in the future.

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The quotation in the preamble to this series of questions then follows. The discussion in that quotation relates to the three reasons for the requirement that the sale of utility assets must be approved by the regulatory agency. The part of the judgment in the quotation is saying that the regulatory agency could attach a condition to its approval of the sale if the condition is necessary for the Board to meet a goal (or reason) set out in paragraph 76 of the judgment. In other words, if a condition were required to prevent the utility from degrading service, or were required to ensure that its operations are maximized, or were required to prevent favouritism toward investors, such a condition would come within the jurisdiction of the regulatory agency. In the circumstances of this Application, none of those reasons is present. The sale of the 7.67 acres will not degrade service. The 7.67 acres is not required to ensure the efficient or economic operation of the utility. The sale of the 7.67 acres is the sale of land that will no longer be required for utility service; the sale is not being undertaken remove utility assets from service so as to benefit the investors in the Company.

This question ask if it is within the Commission's jurisdiction to include the rate base the purchase price of the replacement asset less the net proceeds from the sale of an asset that is replaced. The answer is that it will depend of the circumstances. Assume the utility has a fleet of small vehicles. In the ordinary course of business the utility will sell vehicles and replace the sold vehicle with a new vehicle. The effect of the accounting treatment of the proceeds of such sale is that the purchase price of the new vehicle less the net proceeds from the sale of the old vehicle is included in rate base; and this is appropriate.

In the circumstances of the disposition of the 7.67 acres of Lochburn land it would not be appropriate for the amount in rate base to reflect the cost (purchase price) of the Coastal Facilities Project less the net sale proceeds from the sale of the 7.67 acres of Lochburn land.

It was determined that two buildings at Lochburn were unsafe and had to be demolished. After much investigation, and knowing that those two buildings could no longer be used, it was determined that the best project to meet the operations and space requirements of the utility was the 1998 Coastal Facilities project as set out in the August 1998 CPCN Application. The purpose of the 1998 Coastal Facilities project was not to free up land so that vacant land could be sold with the gain going to the utility and its shareholders; rather the purpose of the 1998 Coastal Facilities project was to proceed with the project that provided the best solution from the perspective of the utility's requirements and the need to serve customers. The Commission considered the 1998 Coastal Facilities project, recognized that it was in the interests of the utility and its customers, and issued a CPCN. The 1998 Coastal Facilities project was in the interests of the utility and its customers, whether or not any land was sold at Lochburn.

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The 1998 Coastal Facilities project was not the simple "replacement" of buildings at Lochburn with buildings at another location. Because the buildings at Lochburn had to be demolished, there effectively were no buildings at Lochburn to replace. The 1998 Coastal Facilities project was a stand-alone project that was in the interests of the utility and its customers independent of what might happen in the future with land at Lochburn that would become vacant. The evidence in the Applications demonstrates that the benefits of the 1998 Coastal Facilities project have occurred, and are greater than forecast.

The jurisdiction of the Commission is to approve or not approve the disposition of the 7.67 acres. The evidence is clear that the 7.67 will not be required for utility purposes, and there is no proper basis for the Commission to fail to grant its approval of the disposition. There is no jurisdiction for the Commission to condition its approval on any basis similar to that suggested in this question.

12.3.4 Please comment on the meaning of "and their profitability" in the above quote from the ATCO case.

Response:

As discussed in the response to Question 12.3.3, there is jurisdiction for the Commission to attach a condition to an approval of the disposition of utility property only if the reason relates to the reasons why regulatory approval is required for such a disposition.

Assuming such a reason were present (which it is not in the circumstances of this Application) then the sentence including the words "or their profitability" would be applicable. An example might be the following: if land were being used for utility purposes and the utility company owning the land wished to develop the land through a non-utility affiliate for non-utility purposes, the regulatory commission might approve the disposition of the land but on the condition that the utility customers not be adversely affected by the sale through the provision of replacement property to the utility which was as profitable (i.e. would be no more costly to customers).

The circumstances of the sale of the Lochburn land are very different from the example above. The land at Lochburn became vacant because the two buildings at Lochburn had to be demolished and because it was determined that it was in the best interests of the utility and its customers that the 1998 Coastal Facilities project proceed with the main operations centre and the main office space being located in Surrey.

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- 12.4 TGI's 1998 CPCN Application for the Coastal Facilities Project posits that a loss on building disposal is expected to be mitigated by a gain on the sale of land (at Lochburn) and forecasts that the total direct capital cost of the project (\$62.6 million) would be reduced by the estimated proceeds of Lochburn land sales of \$7.6 million to have a net project cost of \$55.0 million (reference: page 5 of the 1998 CPCN).

12.4.1 Please confirm that in light of the ATCO Decision, the Commission approval of sales of surplus land at Lochburn in Commission Order No. C-14-98 as part of the CPCN approval for the Coastal Facilities Project is within the Commission's jurisdiction. If not, explain

Response:

The reference in the preamble to this question to page 5 of the 1998 CPCN has been interpreted as a reference to page 5 of the August 20, 1998 Application for a CPCN, since Order C-14-98 that granted the CPCN does not have a page 5.

Terasen Gas does not confirm the statement in the question. As discussed in the responses to questions 2.3.1, 12.1 and 12.2, the jurisdiction of the Commission under the provisions of the *Utilities Commission Act* that deal with certificates of public convenience and necessity does not include the jurisdiction to order or approve the sale of property. The Commission's jurisdiction to approve the disposal of public utility property is exclusively in section 52 of the *Utilities Commission Act*, and in 1998 there was no application before the Commission seeking approval of a disposition of property.

The August 20, 1998 Application, to which Order C-14-98 relates, was an application for a certificate of public convenience and necessity for the construction and operation of public utility plant; it was not an application for Commission approval of the disposal of land at Lochburn. The ATCO Decision of the Supreme Court of Canada does not address the jurisdiction of the Commission in respect of an application for a CPCN for the construction of public utility plant.

The preamble to this question refers to page 5 of the August 20, 1998 Application for a certificate of public convenience and necessity. That reference is to the Executive Summary of the 1998 CPCN Application. The 1998 CPCN Application also put forward a proposal for financing the Coastal Facilities project through a synthetic lease, which is discussed later in that application and which resulted in significant savings to customers while resulting in no return to the utility.

- 12.4.2 Please confirm that in light of the ATCO Decision and the Subsection 45(6.2)(c) of the UCA, the Commission approval of crediting 100% net proceeds of the Lochburn land sales to the Coastal Facilities Project cost

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(i.e. for the benefit of utility ratepayers) in Commission Order No. C-14-98 as part of the CPCN approval for this project is within the Commission's jurisdiction. If not, explain.

Response:

Terasen Gas does not confirm the statement in the question.

Order C-14-98 was made in 1998; subsection 45(6.2) did not exist in 1998, it came into force in 2003.

The Commission's jurisdiction under subsection 45(6.2), including clause (c), only arises after the Commission has received a plan filed under subsection 45(6.1). The Commission's jurisdiction under clause 45(6.2)(c) is limited to determining the manner in which expenditures referred to in a plan filed under subsection 45(6.1) can be recovered in rates. The August 20, 1998 Application, which led to Order C-14-98, was for a certificate of public convenience and necessity, it had nothing to do with a plan filed under subsection 45(6.1).

Please see the response to question 12.2 for a more thorough discussion of the Commission's jurisdiction under clause 45(6.2)(c) of the *Utilities Commission Act*.

12.4.3 Is TGI willing to provide a legal opinion on whether the ATCO Decision is applicable to the disposition of land at Lochburn contemplated under the 1998 Coastal Facilities Project CPCN Application? If yes, please file TGI's legal opinion accordingly.

Response:

The 1998 Coastal Facilities Project Application was an application for a CPCN for the construction of the Coastal Facilities Project; it did not apply for the disposition of land at Lochburn or elsewhere.

The decision of the Supreme Court of Canada in the ATCO case relates primarily to the jurisdiction of a regulatory board on an application for approval of the disposition of utility property where the legislation was the equivalent to section 52 of the *Utilities Commission Act*. The ATCO Decision does not specifically relate to the jurisdiction of a regulatory tribunal when it is considering a CPCN application.

The ATCO case and the jurisdiction of the Commission with respect to an application for Commission approval of the disposition of utility property under section 52 of the *Utilities Commission Act* is extensively discussed in the July 27 Application and in responses to questions in this information request.

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Please also refer to the responses to Questions 2.3.1, 12.1, and 12.2.

TGI's July 27, 2007 Application was guided by legal advice, as have been the responses to the questions relating to Commission jurisdiction in this information request. TGI does not believe it appropriate to file legal advice as evidence in a proceeding.

12.4.4 Is TGI willing to provide a legal opinion on whether the Commission's approval of disposition of the surplus land at Lochburn and proceeds thereof to the benefit of utility ratepayers in Commission Order No. C-14-98 is inconsistent with the ATCO Decision. If yes, please file TGI's legal opinion accordingly.

Response:

Please also refer to the response to Question 12.4.3.

The decision of the Supreme Court of Canada in the ATCO case relates primarily to the jurisdiction of a regulatory board on an application for approval of the disposition of utility property where the legislation was the equivalent to section 52 of the *Utilities Commission Act*. The ATCO Decision does not specifically relate to the jurisdiction of a regulatory tribunal when it is considering a CPCN application.

As set out in the responses to other questions in this information request, the Commission's jurisdiction relating to CPCN applications does not include the jurisdiction to include as a condition of a CPCN that the proceeds of other property be for the benefit of ratepayers.

TGI's July 27, 2007 Application was guided by legal advice, as have been the responses to the questions relating to Commission jurisdiction in this information request. TGI does not believe it appropriate to file legal advice as evidence in a proceeding.

12.4.5 In the ATCO Decision (paragraph 77), the Court states: "...the Board could approve the sale of the assets on the condition that the utility company gives undertakings regarding the replacement of the assets and their profitability". Does it suggest that the Court accepts a condition which the Commission could impose on the replacement of assets, that the gain on the vacant Lochburn land could be transferred to the new construction assets as a result of the Coastal Facilities Project, thus



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reducing the net addition of the CPCN project cost to the rate base?
Please discuss.

Response:

No.

The whole of paragraph 77 of the ATCO Decision is included in the response to Question 12.3.1 above, and the quotation in the first sentence of the question is discussed in the responses to the 12.3 series of questions. Please refer to those responses, and in particular the response to Question 12.3.3.1.

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13.0 Reference: Application, pp. 7-14

ATCO Decision

The ATCO Decision reiterates that the ownership of the assets is clearly that of the utility and the ownership of the asset and entitlement of profits or loss upon its realization are one and the same (para. 67). In paragraph 67 of the ATCO Decision, the majority judgment states that "the fact that the utility is given the opportunity to make a profit on its services and a fair return on its investment in its assets should not and cannot stop the utility from benefiting from the profits which follow the sale of assets."

The majority judgment states in paragraph 63 of the ATCO Decision:

"Under the regulatory compact, the regulated utilities are given exclusive rights to sell their services within a specific area at rates that will provide companies the opportunity to earn a fair return for their investors. In return for this right of exclusivity, utilities assume a duty to adequately and reliably serve all customers in their determined territories, and are required to have their rates and certain operations regulated".

- 13.1 The justice on behalf of the dissenting judgment raises an interesting issue of lack of reciprocity (para. 145-147). In a falling market, a utility that is not motivated to sell its nonproductive assets continues to be entitled to a rate of return on its original investment even if the market value at the time is substantially less than its original investment. On the other hand, in a rising market, according to the ATCO Decision, the shareholders become the sole beneficiary of gains from asset sales.

- 13.1.1 Please discuss the issue of lack of reciprocity and the changes TGI would suggest to the existing rate-making process to mitigate this issue.

Response:

As noted in the preamble to this question, the reference to lack of reciprocity is in the dissenting judgment of the Supreme Court of Canada, not the majority judgment. The majority of the Supreme Court of Canada did not conclude that there was "an interesting issue" that needed to be addressed in the consideration of the AEUB's jurisdiction under the Alberta statutory provisions that are the equivalent of section 52 of the *Utilities Commission Act*.

The judgment of the Supreme Court of Canada in ATCO dealt with land that was no longer required for utility purposes. The land continued to be owned by the corporation that operated the public utility, and in the circumstance where the land had appreciated in value the AEUB did not have jurisdiction to confiscate part of the gain on the sale of the land so as to benefit ratepayers.

The "lack of reciprocity issue" does not relate to the jurisdiction of the AEUB (or the British Columbia Utilities Commission) under the legislation that requires approval for the disposition of utility property (section 52 of the *Utilities*

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Commission Act). Rather, the "lack of reciprocity" issue, if there is one, relates to determining when land or other public utility property is not required, and will not be required, for utility purposes.

TGI does not believe that a change to the rate making process is warranted at this time on account of any perceived "lack of reciprocity" issue because the sale of assets not in the ordinary course of business is by definition a rare event. Commission oversight protects against speculation by the utility at the expense of its customers. In the rare event that assets are disposed of in other than the ordinary course of business, they are subject to the review and approval of the Commission under Section 52 of the Act.

13.1.2 Should the nonproductive assets be taken out of the rate base (e.g. Lochburn land) as soon as they are not used and useful?

Response:

Generally speaking, an asset that is not required and will not be required for utility purposes should be taken out of rate base when it is no longer required for utility purposes, but only after the utility has completed all requirements to restore or remediate the asset to the condition where it can be sold or otherwise disposed of.

Ratepayers of the utility should pay through their rates all costs associated with the operation of the utility. Part of those costs will be the restoration or remediation of assets that have been used for utility purposes. An asset that is no longer required for utility purposes should not be removed from rate base until the restoration or remediation, if required, has been completed.

13.2 It stands to reason that if TGI expects to receive benefits from the sales of surplus utility assets in a rising market, it should also receive the losses from the asset sales when the market conditions are unfavourable.

13.2.1 Please identify all asset sales with gross proceeds exceeding \$1 million since January 1, 1998. For all sales transactions:

Response:

Two asset sales with gross proceeds exceeding \$1 million occurred since January 1, 1998.



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On December 15, 1999, BC Gas applied to the Commission for approval to sell its natural gas vehicles ("NGV") utility assets to 4Pro Systems Inc. ("4Pro"), a wholly-owned, non-regulated subsidiary of BC Gas Inc., pursuant to Section 52 of the Utilities Commission Act and to The City of Surrey (NGV assets associated with its fleet operations) for \$2.0 million and \$122,000 respectively. Order No. G-143-99 approved the sale and disposition. BC Gas' NGV utility assets were comprised of compression and dispensing equipment located at 19 sites throughout the province amounting to a net book value of \$4.1 million. BC Gas had continued to record losses from its NGV compression and dispensing service, which had been supported by other utility customer classes. On the sale of NGV assets, BC Gas recognized a loss upon disposal of utility assets amounting to approximately \$2.13 million (the difference between the purchase price paid by 4Pro and the City of Surrey, and the net book value at the time of the transfer). Amortization of the loss was spread over 10 years, and based on the approval order, customers were to share in any revenues beyond expectations.

On December 21, 2001, BC Gas Utility Ltd. pursuant to Section 52 of the Utilities Commission Act, applied to the Commission for approval for the disposition of its partially-completed Program Mercury and other customer care related assets to BC Gas Inc., pursuant to an Asset Transfer Agreement and BC Gas Inc. would transfer those assets at net book value of \$39.2 million to a limited partnership between itself and Enbridge Inc. ("CustomerWorks"), which would perform customer care services including call handling, billing, metering, payment processing, and credit and collection. The Commission granted approval of the transfer of assets to Customer Works through Order No. G-29-02.



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13.2.1.1 Please provide the proceeds, original costs and net book values at the time of sale.

Response:

Sale of NGV Assets to 4Pro

Proceeds = \$2 million
Original cost = \$7.4 million
NBV = \$4.1 million

Sale of Customer Care Assets:

Proceeds = \$39.2 million
Original cost = \$42.9 million
NBV = \$39.2 million

13.2.1.2 Please indicate how proceeds from asset disposal are recorded for regulatory purposes.

Response:

Proceeds from asset disposals are recorded as a credit to accumulated depreciation for regulatory purposes.

13.2.1.3 Please provide related journal entries and accounts that are affected.

Response:

The proceeds from the disposal would be recorded as:

Dr. Cash XXX

Cr. Accumulated depreciation XXX

Accounts that are affected are account 10500 Accumulated Depreciation and cash.

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- 13.3 TGI considers that the vacant land at Lochburn is no longer required for utility services and will not be required for utility services in the future.

- 13.3.1 The majority judgment of the ATCO Decision fully adopts the following conclusion (para. 69):

"Consumers of utilities pay for a service, but by such payment, do not receive a proprietary right in the assets of the utility company. Where the calculated rates represent the fee for the service provided in the relevant period of time, ratepayers do not gain equitable or legal rights to non-depreciable assets when they have paid only for the use of those assets."

- 13.3.1.1 Should surplus land be in rate base? Should surplus assets such as closed regional offices or vacant land be removed from rate base since customers no longer use these assets? Explain.

Response:

Generally speaking, no. Once it has been determined that land is no longer required for utility purposes, and that land has been returned to its original state, it should not be carried in rate base unless it is being held for future use by the utility. When assets such as land have been used for utility purposes and in so doing have been contaminated, they cannot be considered to have been removed from utility use until remediated. In the case of the land subject to this Application, the process and cost of returning the asset to a saleable condition is a utility use cost.

Closed regional offices, if determined to have no future use or benefit to the utility, may be removed from the rate base.

- 13.3.1.2 Traditional rate-making methodology allows an asset that is replaced and prematurely retired to remain in the rate base and continue its depreciation until it is fully depreciated despite the fact that this asset is no longer used and useful. In light of the ATCO Decision, should these non-productive assets be removed from the rate base shortly after decommissioning and the shareholders bear all the consequential retirement gains or losses? Please explain.

Response:

Traditional rate making methodology is expected to provide for appropriate depreciation rates including a provision for negative salvage

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where appropriate. Depreciable assets are classified and held in pools recognizing that some assets will become obsolete prior to being fully depreciated and some assets in the pool will be fully depreciated while continuing to be used for utility purposes. Sale proceeds of depreciable assets are credited to accumulated depreciation which results in rate base reductions and hence future revenue requirements reductions. The practice of pooling assets for depreciation purposes is appropriate and is not affected by the ATCO Decision.

Land generally is not depreciated, and investments in land used for utility purposes only generate rents on the invested capital rather than a return of capital since the utility can expect on disposition of the non-depreciating asset to get its return of capital and any related gain.

13.4 Utilities may have a risk of overbuilding the rate base by acquiring land and buildings for future uses that could turn out to be surplus for utility requirements.

13.4.1 Would the utility (shareholders) still be entitled to 100% of the gain upon disposal of surplus land and buildings, even though ratepayers have compensated the shareholders for the carrying costs, property taxes and maintenance costs of such land and buildings over the years without benefiting from these assets? Please explain.

Response:

Utilities have an obligation to serve, so in some circumstances must acquire assets to provide future service. There is little risk that the utility would overbuild its rate base given the scrutiny of capital expenditures using traditional regulation. In the situation of TGI which operates under a PBR mechanism that incents the conservation of capital and provides for the filing and scrutiny annually of its capital expenditure plans, it is further unlikely that the utility would enter into land speculation at its customers' expense. Further, asset sales in other than the ordinary course must be approved by the Commission.

Therefore, the premise of the question is unreasonable since the assets for which the utilities are being compensated are assets that are required for utility purposes.

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13.4.2 Would the ATCO Decision provide further incentives to the utilities to acquire land and buildings for future speculative purposes, in particular given that ratepayers have guaranteed the costs of maintenance and the shareholders' return on investments? Please explain.

Response:

No. Please refer to the response to Question 13.4.1.

13.4.3 Please identify all or portions of the land and buildings that TGI has currently owned in the rate base, however, are NOT presently used for utility services. Presumably, these land and buildings are to meet the requirement of future growth.

Response:

Other than the 7.67 acres subject of this Application, all land and buildings in rate base are being used for utility services or for the benefit of utility customers through rental recoveries on space that has been sublet.

Examples of such include:

Cranbrook – leasing out 5000 sq ft.
Kelowna – renting out 17,725 sq ft.
Vernon – leasing out 3500 sq ft.
Kamloops – leasing out 8,305 sq ft.
Prince George – leasing out 3,200 sq ft.

13.5 As the ATCO Decision is in favour of the utility shareholders, does TGI consider the ATCO Decision provide shareholders with improved rights and benefits concerning gains on property? Please comment.

Response:

The ATCO Decision clarifies the pre-existing rights of the utilities (and their shareholders) in terms of property rights, the ATCO decision does not favour utility shareholders. The Supreme Court of Canada, the Alberta Court of Appeal and the United States Supreme Court have clearly established that customers pay only for service; they do not thereby acquire any right or entitlement to utility property through their payments of the rates charged for utility service. Bastarache J. writing for the

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majority of the Supreme Court of Canada in the ATCO Decision specifically noted as follows (para. 69):

Wittmann J.A., at the Court of Appeal, said it best when he stated:

"Consumers of utilities pay for a service, but by such payment, do not receive a proprietary right in the assets of the utility company. Where the calculated rates represent the fee for the service provided in the relevant period of time, ratepayers do not gain equitable or legal rights to non-depreciable assets when they have paid only for the use of those assets. [Emphasis added; para. 64.]

I fully adopt this conclusion. The Board misdirected itself by confusing the interests of the customers in obtaining safe and efficient utility service with an interest in the underlying assets owned only by the utility.

In *Philadelphia Suburban Water Co. v. Pennsylvania Public Utility Comm.*, 43 P.U.R. 4th 133 (U.S. Pa. Cmwlth. 1981), the Pennsylvania Commonwealth Court held that ratepayers were not entitled to the gain from the sale of a non-depreciable asset, land. The court cited a 1926 United States Supreme Court decision, *Board of Public Utility Commissioners v. New York Telephone Co.*, 271 U.S. 23 (U.S.S.C. 1926), which stated at 32, "Customers pay for service, not for the property used to render it...By paying bills for service they do not acquire any interest, legal or equitable, in the property used for their convenience or in the funds of the company."

As such, this principle has been confirmed by the Alberta Court of Appeal, Supreme Court of Canada, the United States Supreme Court and again, recently, by the National Energy Board and Ontario Energy Board.

As explained by the Ontario Energy Board at page 11 of its recent Decision with Reasons regarding Union Gas' 2004 Cushion Gas Sales (EB-2005-0211) issued June 27, 2007²:

Union does have an obligation to act in the interests of its customers, *but it does not have an obligation to give its assets to its customers. This could only be justified if the customers had some property interest in the cushion gas, and under the ATCO decision, customers very clearly have no such property interest.* (Emphasis added.)

² The EB-2005-0211 Decision is available at http://www.oeb.gov.on.ca/documents/cases/EB-2005-0211/dec_uniongas_cushion%20Gas_20070627.pdf

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14.0 Reference: Application, pp. 7-14

Implication of the ATCO Decision on Depreciable Assets

The ATCO Decision suggests that ratepayers pay only for the use of the utility's assets and such payments do not incorporate acquiring ownership or control of the utility's assets. Ratepayers pay the utility a fair return on property (including land) while it is in rate base, compensate the utility for the diminishment of the value of its depreciable property over time through depreciation accounting, and bear the risk that they must pay depreciation and a return on prematurely retired rate base property.

- 14.1 For computer system installations and upgrades, customers are at the risk of excessive depreciation expenses (e.g. shorter useful life estimated by the utility), premature replacement or retirement of existing systems, and unexpected upgrades that are required for services.

- 14.1.1 In the event of premature replacement or retirement of existing systems or applications, should the utility shareholders take the loss that equals to the net book values of the assets that are replaced?

Response:

It depends on the circumstances and each case should be evaluated individually on its merits. The current CPCN process through the Commission helps establish what is in the public interest. For instance, if a utility chose to replace a fully functioning system that was meeting its operational needs because it was acquired by another company that used a different platform for the same applications, then it would not be reasonable to expect customers to pay for the retirement cost plus the replacement system.

However, if a computer system with an eight year expected life turns out to be obsolete after six years (which was unforeseeable at the time of acquisition), then what has happened is not a retirement loss but a recognition that depreciation rates based on an eight year life were inadequate. Customers have had the benefit of the full use of the assets over their life. It is reasonable and fair that they should pay the full cost of the assets rather than the shareholder being stuck with a terminal loss.

Computer systems may also be replaced before the end of their originally estimated lives because there are benefits from the replacement. In such circumstances it is reasonable that the customers pay the full cost of the original system since they will be receiving the benefits.

- 14.1.2 Please identify all major computer system and/or application replacement projects above \$1 million since January 1, 2001.

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Response:

The following major computer system and/or application replacement projects have been undertaken since 2001:

- SAP 4.6 Upgrade
 - Project to upgrade from version 4.5B to 4.6C
- **Meter Management System (MMS)**
 - Project replaced functionality from Unisys CIS system (developed in 1970's) and service provided through annual service agreement with BC Hydro
- **Order Fulfillment / Preventative Maintenance System (OF / PM)**
 - Project replaced custom built Work Management System (WMS) that was developed in earlier 1990's.
- **Service Delivery Enhancement (SDE)**
 - Project to implement scheduling engine and mobile data communication functionality for construction crews – replaced manual processes
- **Customer Attachment Front-End (CAFÉ)**
 - Project to provide Customer Relationship Management (CRM) functionality for marketing and service order preparation in call centre – replaced manual processes and included some enhancements to SAP
- Distribution Mobile Solution
 - Project for a data dispatch application to manage work assignments.

14.1.2.1 For each project, please provide the date of system switchover (i.e. live date for the new system), capitalized cost of the new system, the net book value ("NBV") of the systems or modules that were replaced at the time of switchover, depreciation rates applied on both old and new systems.

Response:

- **MMS**
 - implemented Dec 2001
 - Cost of new system – \$5.6 Million
 - NBV of replaced system - \$0
 - Depreciation rate Old system
 - Hardware = 20%
 - Software = 12.5%
 - Depreciation rate New system
 - Hardware = 20%
 - Software = 12.5%

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➤ **OF / PM System**

- Implemented Dec 2002
- Cost of new system - \$11.6 million
- NBV of replaced system = \$0
- Depreciation rate Old system
 - Hardware = 20%
 - Software = 12.5%
- Depreciation rate New system
 - Hardware = 20%
 - Software = 12.5%

➤ **Distribution Mobile Solution**

- Planned In-service date of May 30, 2008
- Cost of new system \$5.98 million
- NBV of replaced systems \$353,352
- Depreciation rate Old system
 - Hardware = 20%
 - Software = 12.5%
- Depreciation rate New system
 - Hardware = 20%
 - Software = 12.5%

All other systems (SAP, SDE, Café) were new functionality that did not replace existing systems - all are currently in use.

14.1.2.2 How did TGI dispose of the remaining NBV of the systems/modules that were replaced? Please comment if TGI should recognize this NBV as a loss, thus reducing the net project cost added to the rate base.

Response:

As noted in response to Question 14.1.2.1, two of the systems that were replaced had zero NBV so there was no loss. The remaining NBV of the MobileUp system being replaced by the new Distribution Mobile Solution system will continue to be included in rate base and will be depreciated until the net book value reaches zero. The other projects were enhancements, upgrades to existing systems that continued to be used so the remaining NBV of the systems/modules that were built upon would continue to be included in the general ledger/rate base until the NBV of these assets reaches zero - the computer systems are included in the general plant category.

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14.2 TGI, in its recent response to an information request related to its CPCN Application for an LNG facility at Mt Hayes, notes that the utility continues to provide for future dismantling and retirement costs (not legal obligations) through depreciation expenses despite CICA Handbook Section 3110.

14.2.1 Incorporating negative salvages in the determination of depreciation expenses would artificially increase the annual depreciation expenses and reduce the net book values of the asset, compared to the conventional depreciation approach without the consideration of negative salvages for future removal and restoration costs.

14.2.1.1 Please comment how TGI would record a gain or loss due to premature disposal of such assets that are subject to depreciation with negative salvage.

Response:

Allowance for negative salvage provides that the users of utility assets/services pay their fair and reasonable share of the cost of the assets and assists in ensuring inter-generational equity. An allowance for negative salvage does not "artificially increase the annual depreciation expense".

This Application before the Commission is for the sale of a non-depreciable asset that is no longer required for utility purposes but for which there remains some process and expenditure to remove from utility use.

The Commission has an obligation to set proper and adequate rates of depreciation, which should include a reflection of negative salvage. In a perfect world the actual life of the asset would equal the life used for depreciation purposes, and there never would be a gain or loss on the replacement or disposal of a depreciable asset. To the extent there is a gain or loss on the replacement or disposal of a depreciable asset it is reflection on the difficulty in setting depreciation rates that perfectly match the life of depreciable assets. With depreciation rates set on the average life expectancy of classes or pools of assets, there will always be some individual assets whose actual life is more or less than that of the pool average.

In the question as posed, assuming the depreciation rate was deemed proper and adequate and approved by the Commission, the rates paid by customers for the use of the assets would be fair and reasonable. On disposal the asset would be treated as follows:

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Option 1 – General Plant

For General Plant, the pool concept is followed. Net proceeds are credited against accumulated depreciation. Although an asset from the General Plant class may be disposed of, the asset continues to depreciate until the net book value becomes zero, at which time it is removed from the books.

Option 2 – Transmission, Distribution, Manufactured, Storage Plant

When assets are disposed of in the general course of business, the net proceeds are credited against accumulated depreciation. The remaining net book value of the asset is transferred to accumulated depreciation and remains in rate base.

Option 3 – Other

When assets are disposed of other than in the general course of business, the treatment of the resulting gain or loss could follow option 2, a rate base deferral and recovery could be requested, or the gain or loss could be to the account of the shareholder, depending upon the cause of the premature disposal, the adequacy of current depreciation rates to recover costs, and other relevant factors.

14.2.1.2 Further to the above question, please explain how TGI would propose to allocate the gain or loss to ratepayers and shareholders.

Response:

Please refer to the response to Question 14.2.1.1.

14.2.1.3 To prevent the distortion of asset valuation at the time of disposal (in addition to the CICA Handbook Section 3110), should the aforementioned accounting practice be discontinued?

Response:

No. It is not a material issue and regulatory deferral accounts regularly do the same thing.



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15.0 Reference: Application, p. 14

Summary of Application

In the Application on page 14 it states:

"...Terasen Gas is prepared to treat a portion of the capital gain on the sale of the 7.67 acres as income in the determination of earnings sharing under the 2004-2007 Performance Based Rate Plan ("PBR") settlement agreement that is currently used for the determination of the rates of TGI. In indicating that it is so prepared to treat a portion of the capital gain, Terasen Gas is not waiving any of its rights and is not conceding that its customers have any entitlement to, or interest in, the gain on the sale of the lands."

"Terasen Gas is prepared to make this concession to customers to preserve the currently contemplated transaction and to obtain expedited approval. Terasen Gas does not believe this treatment is required under PBR."

15.1 Please confirm that if TGI did not make the concession, the resulting gain from the sale of surplus land, the gain would be excluded in calculation of earnings for the purposes of earnings sharing in the PBR. Please discuss why this would be appropriate treatment under the PBR.

Response:

Confirmed. This is the appropriate treatment as subsection 52(2) of the *Utilities Commission Act* does not provide the Commission with jurisdiction to allocate to customers the capital gain on the disposition of property.

The calculation of earnings under the PBR relates to the earnings of the utility operations of TGI. Any non-utility operations of TGI are not taken into account in the calculation of earnings (return on equity) under the PBR. For example, when 74280 B.C. Ltd. purchased the Lower Mainland Gas Division assets from BC Hydro (as discussed in previous responses) it paid a premium for those assets over the value that was allowed in rate base for rate setting purposes. That premium continues to have financing costs (return on equity and interest on debt) associated with it. The return on equity and interest expense associated with that premium are considered, for PBR purposes, to be non-utility and are not included in the calculation of the utility return on equity that is used to determine earnings sharing under the PBR.

The 7.67 acres of Lochburn land for which TGI is seeking Commission approval to sell is land that is no longer required for utility purposes. As discussed extensively in the ATCO Decision, the land belongs to the Company and to allocate a portion of the gain on the sale would be confiscatory. For PBR purposes the gain on the sale of the land is non-utility, just as the costs associated with the financing of the premium is non-utility. Neither is to be taken into account in the calculation of earnings for the purposes of earnings sharing under the PBR.

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- 15.2 Presently under the PBR how does TGI book "proceeds on disposal" and the resulting gain and loss on disposal? What is the impact on revenue requirements and rate base?

Response:

Proceeds of disposal in the ordinary course of utility operations are credited against accumulated depreciation. Please refer to the responses to Question 13.3.1.2.

In the case of the disposals of land which is no longer needed for utility purposes as is the case in this Application and discussed in the response to Question 15.1, the gain or loss would be a non-utility item and as such would not be taken into account in determining the achieved return for utility operations under PBR.

- 15.3 If TGI did not make the concession and the gain was 100% to the benefit of shareholders, please provide the journal entries on how TGI would book the transaction including gain in its financial statements and also the journal entries affecting the regulated financial schedules. What would be the impact to revenue requirements and rate base?

Response:

If TGI did not make the concession the customer would be foregoing \$2.5 million in gains sharing that would have been returned to them. The impact to rate base would be a decrease of \$1.1 million, with resulting revenue requirement impacts. Revenue requirements would be reduced as discussed in the response to Question No. 23.8.1, by approximately \$223,159.

- | | | |
|---|------------|------------|
| 1. DR Cash (sale proceeds) | 14,850,000 | |
| CR Gain on Sale | | 14,850,000 |
| To record gross proceeds on sale of land | | |
| 2. DR Gain on Sale | 2,995,000 | |
| CR Cash | | 2,710,000 |
| CR Deferred Charges | | 285,000 |
| To record expenses related to land disposition. | | |
| 3. DR Gain on Sale | 1,421,415 | |
| CR Land – rate base | | 1,136,155 |
| CR Land – non rate base | | 285,260 |
| To remove land and acquisition premium associated with land from the financial statements | | |
| 4. DR Tax Expense | 2,103,151 | |
| CR Tax Payable | | 2,103,151 |
| To record capital tax on land sale | | |



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The net effect of the above accounting entries would be a net gain on sale after taxes and expenses that would be a non-utility item and therefore not included in the utility achieved returns and not taken into account for earnings sharing purposes under PBR.

- 15.4 As proposed by TGI with the concession please provide the journal entries on how TGI would book the transaction including gain in its financial statements and also the journal entries affecting the regulated financial schedules. What would be the impact to revenue requirements and rate base?

Response:

Entries 1 to 4 would be the same as in response to Question 15.3. Impact to rate base and revenue requirements would be the same as in response to Question 15.3. In addition, \$2.5 million would be returned to customers through a rate rider.

Additional Journal Entry as follows:

DR	Gain on Sale	2,500,000	
CR	Due to Customers		2,500,000

To record concession to customers to be returned through rate rider.

- 15.5 If the gain was 100% to the benefit of ratepayers, please provide the journal entries on how TGI would book the transaction including gain in its financial statements and also the journal entries affecting the regulated financial schedules. What would be the impact to revenue requirements and rate base?

Response:

Entries 1 to 4 would be the same as in response to Question 15.3. Impact to rate base and revenue requirements would be the same as in response to Question 15.3. In addition, \$8.3 million would be returned to customers through a rate rider.

Additional Journal Entry as follows:

DR	Gain on Sale	8,330,434	
CR	Due to customers		8,330,434

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16.0 Reference: Application, p. 14

Summary of Application: Prorating the Proceeds

In the Application on page 14 it states: "If in response to this Application the Commission approves the disposition of the 7.67 acres, the Company will prorate the proceeds on sale, net of costs, on a basis consistent with the original rate base cost treatment, i.e. 79.93% to regulated operations and 20.07% to non-regulated as shown in a sample calculation in Appendix C. Customers will benefit from the rate base reduction of \$1.136 million."

16.1 Please confirm the 20.07% is calculated from the "Lower Mainland Acquisition Premium" which was the financial statement result from the sale of shares of 74280 B.C. Ltd between the two parties: BC Hydro and Inland Natural Gas Co. Ltd. If not explain.

Response:

No, the 20.07% is based on the asset sale from BC Hydro to 74280 B.C. Ltd. It is calculated by comparing the price paid **for the assets** to the amount allowed to be included in rate base for rate setting purposes pursuant to the OIC 1830.

No further premium was paid by Inland Natural Gas Co. Ltd. on its purchase of the shares of 74280 B.C. Ltd.

16.2 Why should there be a 20.07% pro-rating of land since OIC 1830 set the value of land at appraised value? By using appraised value for land would that be a reasonable valuation of land? Please discuss.

Response:

That is not correct.

The use of the term "appraised value" in OIC 1830 reflects the words in what is now clause 59(5)(b) of the *Utilities Commission Act*, it does not mean that there were appraisals of all the assets sold by BC Hydro. The *Utilities Commission Act* does not use the words "rate base", although that is the common expression used by the Commission and other participants in the B.C. regulatory process to describe the value of the property upon which a public utility earns a return. To be legally correct OIC used the term "appraised value" that is in the *Utilities Commission Act*, and then to ensure that the terminology was understood the words "rate base" were added in parentheses. Schedule 1 to OIC 1830 also uses the term "Rate Base" when allocating the total rate base amount to asset accounts. What OIC 1830 established was the value for the assets acquired by 74280 B.C. Ltd that was to be used for the setting of rates and all other purposes under the *Utilities Commission Act*.

The rate base established by OIC 1830 was considered reasonable for rate setting purposes. The amount paid by 74280 B.C. Ltd. for the assets was considered



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reasonable as representing the value of those assets in the asset sale transaction which was a transaction between two provincially owned entities.

The 20.07% prorating is appropriate since the fact is that 72480 B.C. Ltd paid 20.7% more than the rate base value when it purchased the assets from BC Hydro. The utility customers have not been paying any return or financing costs associated with that 20.7% premium, and it is reasonable that the Company recover a portion of its investment on the sale of the 7.67 acres.



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17.0 Reference: Application, p. 19,

Appendix B

17.1 Please confirm that the "Purchase Price" of \$729,000,000 is for the purchase of shares. If not explain.

Response:

No. Please refer to the response to Questions 7.2 and 7.2.1.

17.2 On page 107 of the August 5, 1992 Decision on the BC Gas Inc. Revenue Requirements Application the Commission noted an "acquisition premium of \$176.8 million." Please reconcile this amount to the \$146,601,000 (Appendix B, p. 18).

Response:

Please refer to the response to Questions 7.2 and 7.2.1.

17.3 Please confirm the "Purchase Price of vacant Lochburn Land" of \$1,421,415 is derived from the calculation of \$1,136,155 divided by 79.93%.

Response:

Confirmed.

17.3.1 TGI appears to be applying the proportional difference (between the purchase price and rate base) should be attributed to the land in the same proportion. Please discuss if this is a reasonable assumption.

Response:

The Lochburn land formed part of the assets that were purchased by 74280 B.C. Ltd. from BC Hydro at what must be presumed to be fair value since it was an asset purchase (it was an asset sale transaction between two provincially owned entities). The difference between this fair value and what was allowed in rate base has been referred to as an acquisition premium of 20.07%. Given the rate

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base number was a lower number set by Order in Council of the Lieutenant Governor in Council, the Company believes that the only reasonable way to allocate the difference is on a prorata basis. The Order in Council allocates the overall rate base value to asset accounts, but does not address the distribution of the difference between the price paid for the assets and the rate base value established by the OIC. Therefore the Company believes it is reasonable that the proportionate amount of "acquisition premium" be associated with the land subject to sale. The audited financial statements of BC Gas Inc. for December 31, 1988 also reflected the premium in this manner showing Land and land rights at \$30,999,000 versus the rate base valuation on Schedule 1 of the OIC 1830 of \$24,781,000 which is a premium of 20.06% of total cost

- 17.4 On page 5 of the 1998 CPCN Application it states: "BC Gas hereby requests that the rate base portion of the loss on demolition be deferred as an "Extraordinary Plant Loss" and amortized over five years, in a manner similar to the Lochburn demolition and abandonment costs approved in the 1996-1997 and 1998-2000 ADR settlements, and as originally approved by the Commission in Order No. C-6-95."

17.4.1 In the CPCN Application, the utility did not request that 20.07% of the Extraordinary Plant Loss be to the account of the shareholder. Explain why it is consistent that the ratepayer pays 100% of the loss of the buildings but the gain on land should be prorated by 20.07%? Please discuss.

Response:

The buildings which were used for utility purposes were condemned. In order to remove from utility use and return the land to the condition it was in before utility use, the buildings had to be removed. That was part of the utility use and had been approved by the Commission. The costs so incurred had no non-utility purpose and as such it would not be appropriate for the shareholder to pay such costs. Moreover, during all the time the land was used for utility purposes, the customers had not been paying the full economic rent on the property, i.e. the shareholder had been denied a return on part of its investment even though the land was fully employed for utility purposes.

- 17.4.2 Since all the loss on buildings was put in a deferral account, should all the gain on surplus land put in a deferral account for the benefit of ratepayers and the disposition of the account provided for in a rates review?



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Response:

No. The buildings were used solely for utility purposes and were, by necessity, condemned and removed. On completion of the remediation of the land, and since it has been determined the 7.67 acres will not be required for utility purposes in the future, the 7.67 acres can and should be removed from rate base, thus providing a benefit to customers in the form of future reduction in revenue requirements. However customers do not acquire any ownership rights to the land.

The Alberta Court of Appeal (Wittman J.A.) specifically noted in the ATCO Decision (para. 64, 65 of the CA judgment):

Consumers of utilities pay for a service, but by such payment, do not receive a proprietary right in the assets of the utility company. Where the calculated rates represent the fee for the service provided in the relevant period of time, ratepayers do not gain equitable or legal rights to non-depreciable assets when they have paid only for the use of those assets.

The provision of the utility services is reflected in the costs that customers paid directly and through the disposition of the deferral account in the case of the removal and loss on the buildings as approved by the Commission. As has been noted, the customers never paid for the full use of the buildings in their rates as they never provided for the recovery of the costs that the utility actually paid for the assets that had been acquired by 74280 B.C. Ltd., let alone the premium paid by Inland Natural Gas Co. Ltd on the purchase of the share of 74280 B.C. Ltd.



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18.0 Reference: Application, p. 19,

Appendix C: Example Sale Calculation

18.1 In Appendix C TGI outlines five estimated costs. For each estimated cost how confident is TGI of the estimate? Please provide an estimated high and low range for each cost at a confidence level of 90%.

Response:

TGI has provided its best estimates of the costs identified at the time of the Application. As many of the costs are not fixed there is the likelihood of variation. TGI will be able to finalize budget numbers once environmental and engineering plans are completed but does not expect changes will impact on the concession proposed for customers.

<u>Item</u>	<u>Estimated Cost</u>	<u>Low</u>	<u>High</u>
Sales Commission	\$500,000	\$445,500	\$742,500
Environmental Costs	\$495,000	\$450,000	\$625,000
Subdivision Cost	\$1,800,000	\$1,324,000	\$2,000,000
Consultant & Legal	\$100,000	\$75,000	\$125,000
Other	\$100,000	\$60,000	\$110,000

18.2 Please provide a breakdown of the \$500,000 Sales Commission cost and explain how this amount was determined?

Response:

The common commission charge for marketing and selling raw industrial land is in the range of three to five percent of the sale price. Given the size of the parcel, TGI negotiated on the low end of the scale at three percent of the sale price.

18.3 Why is the "Subdivision Related Costs" of \$1.8 million about 12% of the Gross Sale Price? Please provide details on how the estimate was derived?

Response:

TGI has to meet the various requirements as outlined by the City of Burnaby in the Subdivision Application #04-5. In this application the City provided TGI preliminary estimate of costs. TGI has used these estimates as budgetary numbers and introduced a construction percentage to meet 2007 construction increases. TGI has engaged an engineer to prepare detail engineered drawings. Once the drawings are approved by the City of Burnaby, the engineer will provide final budget costs.



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18.4 The "Cost of Land" includes the acquisition premium portion as calculated in Appendix B. Please re-calculate Appendix C by replacing the \$1,421,415 with \$1,136,155 (the rate base of 7.67 acres of land shown in Appendix B).

Response:

It should be re-emphasized that the rate base valuation was not what was paid for the land by 74280 B.C. Ltd, it was a valuation deemed by the Province for rate making purposes only and therefore is not a meaningful number for the purposes of calculating gains on disposition. The Company believes that the approach it has taken is the only reasonable approach, and believes the courts would support a valuation basis using the pro-rata method presented in the application.

In order to be responsive, the calculation requested is presented below. As illustrated in the table, the resultant calculation does not change the net Customer benefit result as the proposal is for a fixed amount to flow back to customers.

Example Sale Calculation

Gross Sale Price		\$ 14,850,000
<i>Estimated Costs</i>		
Sales Commission	500,000	
Environmental Costs	495,000	
Subdivision Related Costs	1,800,000	
Other Costs	100,000	
Consultant and Legal	100,000	
Estimated Gross Proceeds	\$ 11,855,000	\$ 11,855,000
Cost of Land		1,136,155
Estimated Taxes on Capital Gains		<u>2,103,151</u>
Estimated Net Proceeds after tax		\$ 8,615,694
Non - Regulated Portion on assets never included for rate setting	20.07%	\$ 1,729,170
Balance of gain		<u>\$ 6,886,524</u>
Terasen proposal to include for earnings sharing purposes		\$ 5,000,000
50/50 share to reduce rates as proposed		\$ 2,500,000
Reduction in Rate Base		<u>\$ 1,136,155</u>
Total Customer Benefit		<u>\$ 3,636,155</u>

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- 18.5 Please show the calculations and methodology on the \$2,103,151 for "Estimated Taxes on Capital Gains". Does this tax calculation take into account the tax benefits previously derived from the acquisition premium?

Response:

Sample Tax Calculation	
Offer Price	14,850,000
Commissions	850,000
Proceeds after commission	14,000,000
Tax value	1,253,629
Capital Gain	12,746,371
Taxable capital gain @50%	6,373,185
Taxes @ 33%	(2,103,151)

There have been no tax benefits derived from the acquisition premium related to the land in question as the land is not subject to capital cost allowance. Therefore there is no re-capture for tax purposes.

- 18.6 Appendix C includes Environmental Costs of \$495,000. Are these expected future costs or accumulated costs since 1998?

Response:

The environmental costs listed are accumulated from 2002 to expected future.

- 18.6.1 If they are expected future costs, should the gain be calculated using the accumulated environmental/remediation costs? If not, explain.

Response:

Appendix C is a sample calculation. Once all costs have been finalized the accumulated environmental and remediation costs will be used to calculate the gain.



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Since the Company proposal is for a fixed amount to flow back to customers, a variation in those costs does not change the net Customer benefit.

18.6.2 Please recalculate Appendix C including accumulated environmental/remediation costs, cost of the fence, and any past other costs that were expended to prepare the land for sale.

Response:

Appendix C currently reflects this request.



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19.0 Reference: 1998 Coastal Facilities Project CPCN Application: Sale of surplus land

The 1998 Coastal Facilities Project CPCN Application mentions the sale of surplus land in a number of places.

"Environmental testing conducted at Lochburn will be used in the sale of surplus land." (page 4)

"The preliminary estimate of project cost is:

Total Direct Capital Cost	\$62.6 MM
Estimated proceeds of partial Lochburn sale	<u>(\$7.6 MM)</u>
Net project cost	<u>\$55.0 MM</u> " (page 5)

"The construction of the new facilities and sale of land requires that most of the structures must be demolished. The buildings which are to be demolished have not yet been fully depreciated and, therefore, a loss on disposal is expected. The loss is expected to be mitigated by a gain on the sale of land, as the current market value is in excess of book value. BC Gas hereby requests that the rate base portion of the loss on demolition be deferred as an "Extraordinary Plant Loss" and amortized over five years, in a manner similar to the Lochburn demolition and abandonment costs approved in the 1996-1997 and 1998-2000 ADR settlements, and as originally approved by the Commission in Order No. C-6-95." (page 5)

"The Horne Payne building will continue to be utilized and is not directly affected by the Project. It is situated on the BC Hydro right of way and will not be part of the land proposed for sale." (page 20)

6.3 Own Option: "The buildings which are to be demolished have not yet been fully depreciated and, therefore, a loss on disposal is expected. The loss is expected to be mitigated by a gain on the sale of land, as the current market value is well in excess of book value. The proceeds from the sale of land have been apportioned based on the proportion of rate base to non-rate base book values of the land sold...The loss on the buildings is expected to be higher than the gain on the land, resulting in a net loss for the project." (page 26)

19.1 The calculation of net project cost on page 5 of the 1998 CPCN appears to indicate that the "estimated proceeds of partial Lochburn sale" would be used to offset the project cost. Is this the view of TGI? If not explain.

Response:

No. The referenced page 5 of the 1998 CPCN Application was part of an executive summary and the estimated proceeds were included to show the overall economic impact of the project. The CPCN Application did not request Commission approval for the disposition of land and did not request that the proceeds from any sale be used to offset rate base. To the contrary, the CPCN Application went on to propose at page 29 that the Company was prepared to finance the project off balance sheet with 100% debt



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financing using a synthetic lease transaction (thereby garnering no economic benefit or investment in the Coastal Facilities project so long as this was allowed by GAAP) to preserve its property rights as they related to the land and any gain on sale in future. The Commission went on to approve the project and 100% debt financing arrangement.

19.2 Please confirm that in the 1998 CPCN the utility intended to sell the surplus land to mitigate the capital cost of the CPCN project. If not, explain.

Response:

Terasen Gas does not confirm the statement in the question.

Please refer to the response to Question 19.1. The utility gave up its opportunity to earn a return on a necessary investment as approved by the Commission by financing the project using 100% debt. It intended that any gain on sale of land would mitigate that foregone investment opportunity. This can be seen from the paragraph at the top of page 29 of the 1998 CPCN Application which stated:

There would not be a gain on land or the related tax consequences at the inception of the Synthetic Lease because the land is not being sold. The Company does, however, retain the right to any potential gains on the capital properties in the future.

19.3 What was the proposed number of acres referred to as "partial Lochburn sale" of \$7.6 million. If this land area is different from the current proposed sale please explain the difference and provide on a map the original surplus area and the current surplus area.

Response:

As per section 4.7 of the 1998 Coastal Facilities Project CPCN Application, the "partial Lochburn sale" can be calculated at 8.7 acres. The vacant land referred to in this Application refers to a 7.67 acre parcel of land that is no longer required for utility purposes. The 7.67 acres is a portion of the 8.7 acres as calculated from the 1998 Coastal Facilities Project CPCN.

The 8.7 acres of land proposed for sale is calculated by taking the 19.7 acres of total land less the 11 acres of land referred to in the 1998 Coastal Facilities Project CPCN section 4.7.

A detailed map was not provided for in the 1998 Coastal Facilities Project CPCN.

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- 19.4 In reference to the statement that the "loss is expected to be mitigated by a gain on the sale of land", what was the expected loss, expected gain on sale of land, and resulting difference?

Response:

The section referenced was an Executive Summary and summarized the reasons the Company was requesting that "the rate base portion of the loss on demolition be deferred as an "Extraordinary Plant Loss and amortized over five years". The resultant calculation is not provided for in the 1988 CPCN Application and amounts are not known. The body of the 1998 CPCN Application went on to request approval including the incorporation of the synthetic lease financing option while retaining the land and its future value for shareholder benefit.

- 19.5 The Own Option on page 26 states: "The proceeds from the sale of land have been apportioned based on the proportion of rate base to non-rate base book values of the land sold."

- 19.5.1 What was the apportioned percentage? What was the apportioned dollar amount to the ratepayer and the shareholder?

Response:

Details of the apportioned percentage and amounts were not provided with the 1998 Coastal Facilities Project CPCN.

- 19.5.2 Was the proposed intent of TGI in the 1998 CPCN Application to sell the surplus land and apply the apportioned gain to the credit of ratepayers? If not, please explain.

Response:

No, please refer to the responses to Questions to 19.1 and 19.2.

The 1998 CPCN Application did not seek Commission approval for the disposition of any land.

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- 19.6 On page 7 of the 1998 CPCN Application it states in section 3.1.2. Lochburn - 3777 Lougheed Highway, Burnaby: "BC Gas is not aware of any contaminated soils on this site, but has included an allowance of approximately \$0.65 million for demolition of buildings plus analysis and restoration of soil, if necessary." (page 7)

On page 15 of the 1998 CPCN Application it states in section 4.4 Meter Shop: "Building costs are lower because the Lochburn site requires significant additional site conditioning (piles) due to soil conditions.

- 19.6.1 Please provide a full summary with study dates and cost estimates of the restoration.

Response:

Page 7 is referencing possible soil contamination for the 8.7 acres referenced in the response to Question 19.3. The former vehicle fuelling area was found to have soil contamination and was remediated in 2003. Change in environmental standards will require TGI to further remediate this area in 2007. Please refer the environmental reports in provided in the response to Question 3.1.

Page 15 is referencing the geotechnical condition of the Lochburn site. Due to high water content and soil conditions (peat and silt) the site requires piles prior to building.

- 19.6.2 Why was soil remediation not considered a likely event in the 1998 CPCN Application? Explain.

Response:

Early 1990 environmental reports identified only concerns of the vehicle fueling facility. Underground storage tanks and associated piping that had been used for utility purposes were decommissioned in 1989 and the area remediated to commercial/industrial standards. Stage 2 Preliminary Site Investigation was not completed until November 2003 which identified further remediation requirements to this area.



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20.0 Reference: 1998 Coastal Facilities Project CPCN Application: Financial Overview

On page 25 of the CPCN Application it shows three financing options. In the Land column the utility owns the land for two options (Own and Synthetic Lease) and the Third Party owns the land for the Sale-Leaseback option.

On page 25 for the Own Option it states: "The revenue requirements were calculated assuming traditional rate base treatment. The initial five years are not representative of the entire period due to the amortization of a net loss on the disposal of assets and a delay in the realization of lease savings at the head office."

On page 26 it states: "Capital gains tax would have to be paid, not only on the land included in the Sale-Leaseback, but also on the portion of the land which is sold under the Own option."

20.1 Please confirm that all three options include the sale of surplus Lochburn land. If not, explain.

Response:

The 1998 CPCN Application did not seek, for any of the three options, Commission approval for the sale of land at the Lochburn site.

Only two of the three options as discussed in the 1998 CPCN Application contemplated the potential sale of surplus land at Lochburn.

The discussion of the "Own" option did contemplate the sale of Lochburn land and states: "The proceeds from the sale of land have been apportioned based on the proportion of rate base to non-rate base book values of the land sold." This refers only to the potential sale of surplus land at Lochburn.

The Sale Leaseback option would have involved the sale of the buildings proposed and all the land on which those buildings were located, which would then be leased back to the Company. The Sale Leaseback option also contemplated as a separate transaction the sale of surplus land at Lochburn. This can be seen from the last paragraph on page 27 of the 1998 CPCN Application that states "Capital gains tax would have to be paid, not only on the land included in the Sale-Leaseback, but also on the portion of the land which is sold under the Own option".

No sale of land was contemplated under the Synthetic Lease option. The discussion of the Synthetic Lease Option states at page 29: "There would not be a gain on land or the related tax consequences at the inception of the Synthetic Lease because the land is not being sold. The Company does, however, retain the right to any potential gains on the capital properties in the future."

The Synthetic Lease Option is the option that the Commission approved.

Please also refer to the response to Question 21.3.1.

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20.2 Please define "traditional rate base treatment" in regards to disposal costs and gross proceeds from disposal.

Response:

Traditional rate base treatment includes disposal costs and gross proceeds from disposal as accumulated depreciation.

As noted in the response to Question 13.3.1.2, traditional rate making methodology must provide for proper and adequate depreciation rates including a provision for negative salvage where appropriate. Depreciable assets are classified and held in pools recognizing that some assets will become obsolete prior to being fully depreciated and some assets in the pool will be fully depreciated while continuing to be used for utility purposes. Sale proceeds of depreciable assets are credited to accumulated depreciation which results in rate base reductions and hence future revenue requirements reductions. The practice of pooling assets for depreciation purposes is appropriate.

Land generally is not depreciated, and investments in land used for utility purposes only generate rents on the invested capital rather than a return of capital since the utility can expect on disposition of the non-depreciating asset to get its return of capital and any related gain.

20.2.1 If an asset in Account 486 Tools and Work Equipment has a gross plant value of \$100,000 and accumulated depreciation of \$90,000 and it was retired from use, what would be the complete journal entries to book the retirement assuming disposal costs of \$10,000 and proceeds on disposal of \$5,000?

Response:

This asset would not be retired from use until the NBV was zero as this is a general plant account. The following entries would be booked for the disposal costs and the salvage proceeds.

Dr. Accumulated depreciation	10,000	
Cr. Cash		10,000
To record disposal costs		
 Dr. Cash	 5,000	
Cr. Accumulated depreciation		5,000
To record salvage proceeds		

This leaves an \$85,000 credit in accumulated depreciation for this asset based on above entries (NBV would be \$15,000). Once the NBV reaches zero the asset would be retired.

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20.2.2 Alternatively, if an asset in Account 486 Tools and Work Equipment has a gross plant value of \$100,000 and accumulated depreciation of \$98,000 and it was retired from use, what would be the complete journal entries to book the retirement assuming disposal costs of \$5,000 and proceeds on disposal of \$15,000?

Response:

The following entries would be booked for the disposal costs and the salvage proceeds.

DR	Accumulated depreciation	5,000	
CR	Cash		5,000
	To record disposal costs		

DR	Cash	15,000	
CR	Accumulated depreciation		15,000
	To record salvage proceeds		

This leaves a \$108,000 credit in accumulated depreciation for this asset based on above entries (NBV is negative \$8,000). As the NBV has gone beyond zero the asset would be retired

DR	Accumulated Depreciation	100,000	
CR	Tools and Work Equipment		100,000
	To retire asset		

This would result in a net credit to accumulated depreciation and thus rate base, that would provide future benefits to customers through a reduction in future rates.

20.2.3 Using the above two examples please explain how are individual plant asset gains and losses booked? Would the journal entries be different if the retired asset was the only asset in the account? If so, explain.

Response:

Individual asset gains and losses are booked to accumulated depreciation using the pooling concept. If the assets above were the last assets in the account the gain or loss would be booked to the income statement rather than remaining in the accumulated depreciation account.



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20.2.4 Squamish Gas Co. Ltd (formerly a subsidiary of TGI, now merged with TGI as of January 1, 2007) was previously a propane utility that converted to natural gas. How did Squamish Gas book the net book value loss to its propane facilities what were no longer "used and useful"? Please provide the journal entries.

Response:

In 1991 TGS (formerly Squamish Gas Co. Ltd.) was given approval to convert its propane distribution system to natural gas. Some of the propane plant was sold to Terasen Gas Inc. (formerly BC Gas Utility Ltd. and Inland Natural Gas Co. Ltd.) and placed into service at Revelstoke. The remaining storage equipment was used to rent as propane storage capacity and continued to be depreciated at 3%. In 1993 the plant balance and accumulated depreciation was transferred to Account 492 Gas Plant Held for Future Use and continued to be depreciated/amortized at the rate of 3% per year on a straight line basis. The transferred amount continued to be included in the utility's rate base and cost of service. In 2005 the last of the propane plant accounted for in the Gas Plant Held for Future Use was disposed of and the related balance associated with the propane plant was retired to a zero balance.

Entries to record the disposition:

DR	Cash	15,000	
DR	Accumulated Depreciation	10,460	
CR	Propane Plant		34,924
DR	Accumulated Depreciation - loss	9,464	



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21.0 Reference: 1998 Coastal Facilities Project CPCN Application: Synthetic Lease

21.1 Page 28 of the 1998 CPCN Application it indicates that the synthetic lease option involves the buildings and the company would retain ownership of the land.

21.1.1 Please confirm that the synthetic lease did not involve the land. If not, explain.

Response:

Confirmed.

21.2 On page 28 of the 1998 CPCN Application the company requests "that the shareholders be protected from the impact of any changes in the rules during the term of the financing." On page 29 it states: "If accounting rules or tax rules change and eliminate or reduce the ability to maintain these benefits, then a requirement to record such costs as a traditional rate base item will be required."

Was the intent of the proposed Synthetic Lease option in the 1998 CPCN Application to implement the proposed Synthetic Lease until it was not feasible to do so thus revert back to the "Own Option"? Please explain.

Response:

Essentially yes. The intent was to implement the proposed Synthetic Lease which involved the Company foregoing an earnings and investment opportunity for as long as it was feasible to maintain the synthetic lease construct while protecting the shareholders from the impact of tax and accounting rule changes if they did take place. The protection requested was to revert to financing the net book value of the assets as a traditional rate base item, consistent with the way all other utility assets are financed, which occurred in 2005. The Commission deemed this approach to be in the public convenience and necessity.

21.2.1 How many years was the Synthetic Lease actually in effect? What was the start and end dates of the Synthetic Lease?

Response:

The Synthetic Lease was in effect for 5 years from November, 2000 through to January 2005. The benefit to the end of 2004 from the synthetic lease amounted to approximately \$6 million for ratepayers.

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21.3 On page 29 it states: "There would not be a gain on land or the related tax consequences at the inception of the Synthetic Lease because the land is not being sold. The Company does, however, retain the right to any potential gains on the capital properties in the future."

21.3.1 Is the "gain on land" a reference to the Sale-Leaseback option where all the land was sold? If not, explain.

Response:

The three options presented in the 1998 Coastal Facilities CPCN Application included the Own, the Sale-Leaseback and the Synthetic Lease Option.

The "Own" option contemplated a sale of surplus land with a pro-ration of proceeds (and gain on land) between utility and non-utility (i.e. rate-base and non-rate base components).

The Sale-Leaseback option contemplated two land sales encompassing all of the land at Lochburn and Surrey. One being the sale of land expected to be surplus at Lochburn. The other relating to the land the new buildings were to be constructed on at both Surrey and Burnaby as part of the Sale-Leaseback transaction

The third option was the Synthetic Lease option. As is readily apparent from the paragraph on the top of page 29 of the 1998 CPCN Application, the Synthetic Lease option contemplated no sale of land and therefore no gain on the sale of land. Under the Synthetic Lease option, which the Commission approved, the quoted reference in this question makes clear the company retained its rights to any gain on sale of any of the land in Surrey or Burnaby that might be realized in the future.

The capital properties referenced are those encompassed by the Lochburn and Surrey lands on which the Coastal Facilities were to be constructed and also the land which has become vacant (including the 7.67 acres which is now the subject of this Application under Section 52). The quote is specifically included in the Synthetic Lease option section as the quid pro quo for TGI offering up the 100% financing option, and the quotation makes it clear that Terasen was preserving its rights to any potential future gains on the capital properties which the 7.67 acres subject of this Application were part.

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21.3.2 Is the "gain on land" in reference to the utility 'used and useful' land to which the synthetic lease building are situated and not to the surplus Lochburn land? Please elaborate.

Response:

No. The "gain on land" referenced is for all of the land at Lochburn and Surrey on which the Coast Facilities were to be constructed as well as any land that would become surplus. There was no "gain on land" as part of the Coastal Facilities project for which the CPCN in Order No. C-14-98 was issued, because the Synthetic Lease option was approved and no land was sold as part of the Coastal Facilities project.

21.3.3 What is meant by "capital properties" in the above quote? Is the term "capital properties" in reference to specifically the land and buildings in the Coastal Facilities Project? Is the term "capital properties" in reference to generally any plant and equipment (including land) of the utility? Please clarify.

Response:

In the context of the Synthetic Lease option section, the capital properties quote refers to the parcels of land at Lochburn and Surrey as noted in response to 21.3.1 and 21.3.2 above.



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22.0 Reference: 1998 Coastal Facilities Project CPCN Application: Financing Recommendation

Page 29 states: "The revenue requirement impact of the three financing alternatives is summarized as follows..." On the page the revenue requirement for the three options are shown with the company endorsing the Synthetic Lease alternative.

22.1 The 1998 CPCN Application had a two part decision making process. The first decision was on deciding what to construct and build and the second decision on how to finance the project. Please comment on the appropriateness of these two statements.

Response:

Terasen Gas believes that the 1998 CPCN Application is simply one application and one decision making process. The Company is of the view that a decision on what to construct and build cannot be severed from the costs of what is to be built, in determining what is in the public convenience and necessity.

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23.0 Reference: Commission Order No. C-14-98

Commission Order No. C-14-98 states in Recital N: "The August 20, 1998 application and supporting material show that the Project will not require all of the land that BC Gas holds at Lochburn and that surplus land will be sold, with 80 percent of the sale proceeds used to mitigate the net book value of the buildings that are removed."

Commission Order No. C-14-98 states in Direction No. 4: "The Commission approves the sale of surplus land at Lochburn providing the net proceeds are used for the benefit of utility ratepayers. If BC Gas proposes to credit less than 100 percent of the net proceeds of the land sales to utility ratepayers, it is directed to request and justify Commission approval for its proposed course of action."

23.1 Was any of the surplus land or other utility assets at Lochburn sold? If yes, please identify what was sold, the price received and the disposition of the funds.

Response:

No land at Lochburn has been sold to date (other than as discussed in this Application). Until remediation of the vacant land at Lochburn has been completed it was still used for utility purposes.

This Application is the first application to the Commission for approval of the disposition of land at Lochburn. Commission approval under section 52 of the *Utility Commission Act* must be obtained before the land can be sold.

23.2 Please explain what happened to the buildings on the surplus land at Lochburn and when this occurred, and provide a year-by-year schedule detailing the treatment of the net book value of the buildings, including any return that was recorded on this amount.

Response:

The buildings on the 7.67 acres of land at Lochburn were demolished in 2001.

Please refer to the response to Question 3.7.4.2 Account 17996 for details on this transaction.



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23.3 What is the cost of holding the surplus land at Lochburn for 2007, including return on rate base, property and other taxes, fencing maintenance, etc.?

Response:

A distinction must be made between the terms "no longer required for utility service" or "surplus land" and "included in rate base".. The rate base of \$1,136,155 has not been removed from rate base, as activities required to address the environmental problems that had arisen during the period the vacant land was used to provide utility service were still ongoing. As those activities are nearing completion Terasen Gas the 7.67 acres of land is no longer required for utility service. As it has been determined that the 7.67 acres will not be required for utility purposes Terasen Gas is applying for Commission approval of the sale of the 7.67 acres and approval to remove from rate base the amount associated with the 7.67 acres of land. Property taxes and return on rate base reductions associated with the sale of the 7.67 acres will serve to reduce future revenue requirements.

Please refer to the response to Question 23.8.1 for 2007 costs.

23.4 Please confirm that this current Application with its sale of surplus land request is also a proposal to credit less than 100 percent of the net proceeds of the land sales to utility ratepayers as set out in Direction No. 4 of Order No. C-14-98? If not, please explain.

Response:

The current Application requests Commission approval for the following:

1. Pursuant to section 52 of the *Utilities Commission Act*, the disposition of the vacant land at Lochburn, consisting of 7.67 acres of the entire parcel of land.
2. Removal of the amount of \$1,136,155 from the rate base of Terasen Gas Inc. following the sale.

As discussed extensively in earlier responses to questions in this information request, and as discussed in the Application, the Commission does not have jurisdiction to allocate the proceeds on the sale of the land at Lochburn that is no longer required for utility purposes. Therefore, there is no need to request Commission approval to credit less than 100 percent of the proceeds to utility ratepayers. As discussed in the response to question 12.3.1, the current Application is not a request for reconsideration.

If in response to this Application the Commission approves the disposition of the 7.67 acres, the Company will prorate the proceeds on sale, net of costs, on a basis consistent with the original rate base cost treatment, i.e. 79.93% to regulated operations and 20.07% to non-regulated as shown in a sample calculation in Appendix C. Customers

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will benefit from the rate base reduction of \$1.136 million. Further, strictly without prejudice and without waiving any of its rights, the Company will include \$5 million of the remaining portion of the net proceeds in its calculation of earnings to be shared under PBR, resulting in a net benefit to customers of \$2.5 million or otherwise through a rate rider to deliver \$2.5 million of rate relief to customers (net effect being the same). This provides an estimated total economic benefit to customers of more than \$3.6 million inclusive of the rate base reduction on which future rates will be based.

23.5 Does TGI consider Direction No. 4 of Order No. C-14-98 where the "Commission approves the sale of surplus land at Lochburn providing the net proceeds are used for the benefit of utility ratepayers" as a condition affecting rates arising from the CPCN? Please discuss.

Response:

No, TGI considers it an acknowledgement by the Commission of the day that land at Lochburn would likely no longer be required for utility purposes once the demolition and any potential remediation was complete. Section 4 of the Order also provided an indication that the Commission would approve its sale so long as proceeds were directed back to utility customers. As stated in response to other question, in 1998 there was no application before the Commission for approval of the sale of land, and nothing in Order No. C-14-98 purports to be an approval under section 52 of the *Utilities Commission Act*.

Given that the Company is proposing the sale of 7.67 acres of land at Lochburn under different conditions consistent with its rights of ownership, and given the fact that there has been no approval as required under section 52, the Company is now bringing the application under Section 52 of the UCA.

See also the responses to questions 12.1 and 12.2 for a discussion of the Commission's jurisdiction on an application for a CPCN.

23.6 Since TGI completed the construction of the Coastal Facilities Project without a request to modify the net proceeds approval of the Order, does it imply that TGI accepted the terms of approval set by the Commission? Please explain.

Response:

Please refer to the responses to Questions 12.3.1, 23.4 and 23.5. The Commission indicated it would approve the sale if the proceeds were used in a certain manner. The Commission also invited the Company to bring a future application if it wished to

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proceed on any other basis. The 1998 Order did not provide approval for the sale under section 52 of the *Utilities Commission Act*.

This Application is now made to obtain the section 52 approval. It cannot be implied that TGI accepted the terms of an order relating to disposal of land when at the time there was no application before the Commission for the disposal of land.

23.7 Order No. C-14-98 was issued on September 3, 1998 why has TGI taken nearly 9 years to request a change to the Order?

Response:

TGI is not requesting a change to the Order. Please refer to the responses to Questions 12.3.1, 23.5 and 23.6.

23.8 It has been almost 9 years since the Commission approved the sale of vacant land at Lochburn as part of the Commission's approval of the Coastal Facilities Project CPCN Application in Order No. C-14-98 on September 3, 1998.

23.8.1 Please provide all the details of customer-funded expenditures (including maintenance and carrying costs (lease payment, debt interest, equity earnings)) on this vacant land over the past 9 years.

Response:

Ratepayers of the utility should pay, through their rates, all costs associated with the operation of the utility. Part of those costs will be the costs associated with land that requires restoration or remediation as a result of the utility-related activities on the land. An asset that will no longer be required for utility purposes once restoration or remediation has been completed should not be removed from rate base until the restoration or remediation, if required, has been completed.

As the remediation of the land at Lochburn nears completion Terasen Gas, through this Application, has applied to remove the vacant land and associated costs from rate base.

It should be noted that the land has not been vacant for the past nine years. Customer funded expenditures for the past nine years including a 2007 estimate are as follows:



Terasen Gas Inc. Application for Approval of the Sale of Vacant Land at 3700 2nd Ave, Burnaby, B.C. ("the Application")							Submission Date: August 31, 2007		
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Year	1999	2000	2001	2002	2003	2004	2005	2006	2007
Incremental Rate Base									
Land and Land Rights Mid Year	\$1,136,155	\$1,136,155	\$1,136,155	\$1,136,155	\$1,136,155	\$1,136,155	\$1,136,155	\$1,136,155	\$1,136,155
Capital Structure									
Equity Portion	33.00%	33.00%	33.00%	33.00%	33.00%	33.00%	33.00%	35.00%	35.01%
Debt Portion	67.00%	67.00%	67.00%	67.00%	67.00%	67.00%	67.00%	65.00%	64.99%
Financed by Equity	\$374,931	\$374,931	\$374,931	\$374,931	\$374,931	\$374,931	\$374,931	\$397,654	\$397,768
Financed by Debt	\$761,224	\$761,224	\$761,224	\$761,224	\$761,224	\$761,224	\$761,224	\$738,501	\$738,387
Financing									
Allowed ROE	9.25%	9.50%	9.25%	9.13%	9.42%	9.15%	9.03%	8.80%	8.37%
Effective Debt Rate	8.83%	8.31%	8.03%	7.80%	7.56%	7.37%	7.26%	7.07%	6.61%
Equity Return	\$34,681	\$35,618	\$34,681	\$34,231	\$35,319	\$34,306	\$33,856	\$34,994	\$33,293
Debt Interest	\$67,208	\$63,220	\$61,142	\$59,345	\$57,533	\$56,125	\$55,227	\$52,219	\$48,793
Tax Calculation									
Income Tax Rate	45.62%	45.62%	44.62%	39.62%	37.62%	35.62%	34.87%	34.12%	34.12%
Gross up %	54.38%	54.38%	55.38%	60.38%	62.38%	64.38%	65.13%	65.88%	65.88%
Equity Return Before Tax	\$63,776	\$65,499	\$62,624	\$56,693	\$56,618	\$53,287	\$51,983	\$53,117	\$50,536
Income Tax	\$29,094	\$29,881	\$27,943	\$22,462	\$21,300	\$18,981	\$18,126	\$18,124	\$17,243
Property Taxes									
Property Tax on Sale Portion	\$88,579	\$90,539	\$10,389	\$101,690	\$103,685	\$103,650	\$106,881	\$105,917	\$122,330
Approx. Maintenance Costs and Other									
	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500	\$1,500
Total Carrying and Maintenance Costs									
Equity Return	\$34,681	\$35,618	\$34,681	\$34,231	\$35,319	\$34,306	\$33,856	\$34,994	\$33,293
Interest	67,208	63,220	61,142	59,345	57,533	56,125	55,227	52,219	48,793
Income Tax	29,094	29,881	27,943	22,462	21,300	18,981	18,126	18,124	17,243
Property Tax	88,579	90,539	10,389	101,690	103,685	103,650	106,881	105,917	122,330
Approx. Maintenance Cost and Other	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500	1,500
Total	\$221,063	\$220,758	\$135,654	\$219,228	\$219,337	\$214,562	\$215,590	\$212,754	\$223,159

<p style="text-align: center;">Terasen Gas Inc. Application for Approval of the Sale of Vacant Land at 3700 2nd Ave, Burnaby, B.C. ("the Application")</p>	<p style="text-align: center;">Submission Date: August 31, 2007</p>
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23.8.2 Please explain why TGI took almost 9 years to get the vacant land ready for sale and failed to find a suitable buyer over the past 9 years.

Response:

TGI has made best efforts to move the sale of the surplus property along. The environmental process and subdivision have been a lengthy and evolving practice.

The vacant land did not become available until late 2000 when all personnel were relocated from the buildings. The buildings were demolished in 2001 which permitted the start of the environmental review and land use study.

In 2003, Environmental Stage 2 PSI was completed.

In 2004, TGI applied to the City of Burnaby for subdivision. The City advised TGI would need to deliver a Certificate of Compliance to subdivide the property.

In late 2004, TGI engaged a new environmental consultant to review environmental reports to date for Code of Conduct compliance. Numerous concerns were raised and Stage 1 preliminary site investigation was required to be repeated in certain areas of concern.

In late 2006 it was determined Stage 1 PSI study, remediation and risk assessment and subdivision could be completed in 2007. The property was then marketed for sale.

23.8.3 Please compare the condition of the vacant land now versus in 1998 under the Coastal Facilities Project CPCN Application.

Response:

The vacant land is now partitioned off by fence line surrounding the area. The area is overgrown with bushes and trees where the former buildings stood. As the area is currently under environmental review, there are test-pits and boreholes located through the area of potential environmental concerns. Remediation is ongoing in two areas where the underground storage tanks were previously excavated and around the former machine shop area. The ground surface will be re-instated with clean fill material.



Terasen Gas Inc. Application for Approval of the Sale of Vacant Land at 3700 2nd Ave, Burnaby, B.C. ("the Application")	Submission Date: August 31, 2007
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24.0 Reference: TGI 2008-2009 Multi-Year Performance-Based Rate ("PBR") Plan

TGI 2008-2009 Multi-Year PBR Negotiated Settlement Agreement stipulates a 50/50 sharing of earnings above or below the allowed ROE, net of GSMIP, DSM Incentive, load building and incentives for partially controllable items) using the common equity component of the actual rate base.

TGI proposes to include a portion of the capital gain (\$5 million) on the sale of the 7.67 acres in the calculation of earnings to be shared under the current PBR. However, TGI maintains that this treatment is not required under PBR.

24.1 As the Commission Order No. C-14-98 in respect of the Coastal Facilities Project CPCN Application pre-dates the prevailing PBR Agreement, should the gain from surplus land sale at Lochburn be subject to the 1998 Commission order rather than bound by the earning sharing formula prescribed by the current PBR Agreement? Please comment.

Response:

Neither. TGI is making the proposal on a without prejudice basis to flow a \$2.5 million benefit to its customers and is proposing to use a mechanism within the existing rate making construct under PBR to channel that portion of the gain. TGI is not proposing to be bound by the earnings sharing formula but if that mechanism was used, and notionally \$5 million was credited to the achieved return, then \$2.5 million would flow back to customers through that mechanism. The benefit of \$2.5 million can be done through a separate rate rider and in order to avoid confusion that has been generated by the proposal in the Application, TGI is now suggesting a special purpose rider should be the mechanism used to stream the benefit back to customers.



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25.0 Reference: Ontario Energy Board Decision with Reasons EB-2005-0211

Ontario Energy Board ("OEB") released its Decision with Reasons on June 27, 2007 on an application by Union Gas Limited ("Union") related to proceeds from the sale of cushion gas. In assessing cases where the sale of an asset by a utility can harm customers, OEB notes that:

"The one potential for harm would be if it turned out that Union had made an error, and additional cushion gas was required. In this case, the cost of replacement cushion gas would be significantly higher than the book value of the original cushion gas."

Union states that "should it have to purchase additional cushion gas in the market to replace what it has sold, the entire cost would be for the account of the company and the shareholder, and Union would depart from traditional ratemaking practice and would not seek to include the cost of the purchased cushion gas in rate base."

25.1 If it turns out that TGI has made an error and additional land is required in the Lower Mainland within the next 20 years, would TGI shareholders be prepared to take a position similar to Union's to keep the customers unharmed? Please express TGI's proposition.

Response:

Situations that would give rise to the requirement for future land purchases are likely to be driven by operational requirements that would require land acquisition in other areas of the Lower Mainland rather than at the Lochburn property, and would be required whether or not the land which is subject to this Application were sold or not. There is room on the Lochburn property that is being retained to construct additional facilities in the future if such facilities are needed in that physical location.

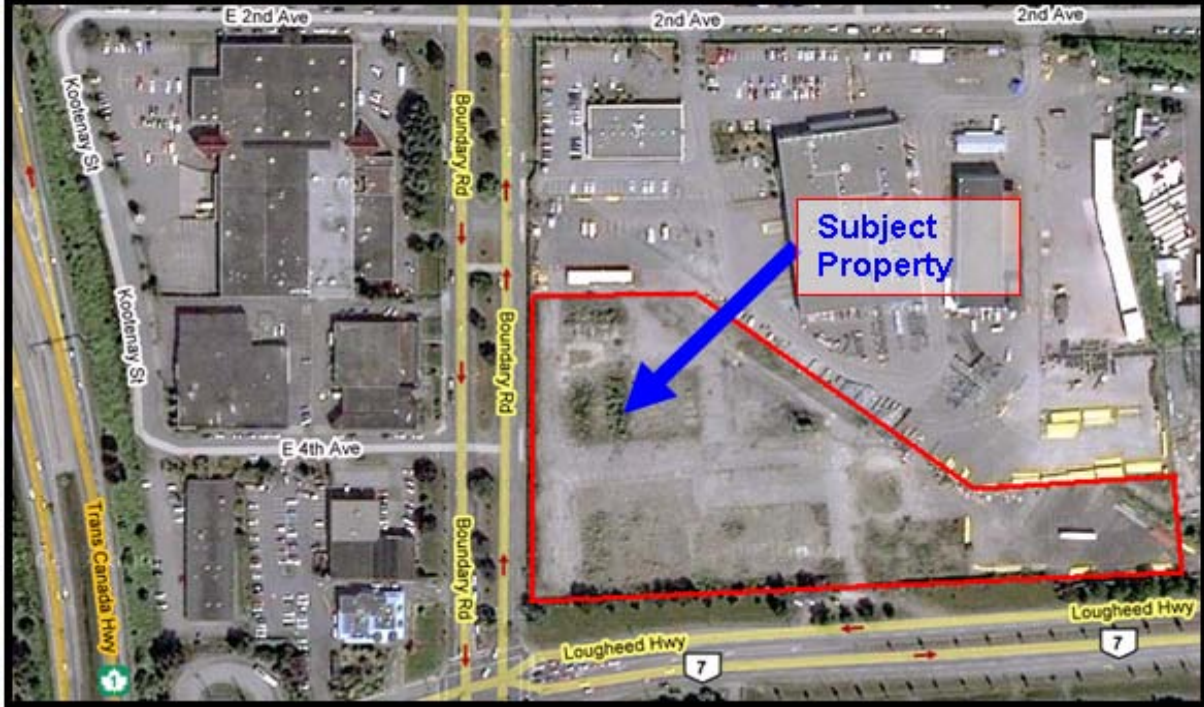
Therefore, in order to be consistent with the situation and commitment made by Union in the cushion gas example, TGI would have to find that it erred in selling land at that location in Burnaby rather than if it needs any additional land in the Lower Mainland in the next 20 years. Land parcels are not necessarily interchangeable whereas cushion gas is. For instance, if land were required 15 years from now for a muster in Richmond in order to meet emergency response time parameters due to traffic congestion and population density/growth reasons etc., then holding land at Lochburn would not have been of value to that need and TGI shareholders would not be prepared to bear the costs of acquiring land in Richmond.

However, if TGI has erred and finds it must repurchase land within close proximity to the Lochburn location then it would be prepared to contribute a pro-rata share of the gain realized back to the future acquisition cost.

Attachment 1.1

Development Site For Sale

3777 Lougheed Highway, Burnaby BC.



Location:

The Subject Property is located in North Burnaby, just west of the Brentwood Town Centre. Specifically, the Subject Property is on the North East corner of Lougheed Highway and Boundary Road.

Site Size:

Proposed subdivision consists of an irregularly shaped 7.67 acre parcel of vacant land.

Site Features:

- 181 Meters / 594 ft. (approx.) Frontage on Boundary Road
- 305 Meters / 1,001 ft. (approx.) Frontage on Lougheed Highway
- Creek on NE lot line and runs to the SE of the site
- Exposure to the Trans Canada Highway



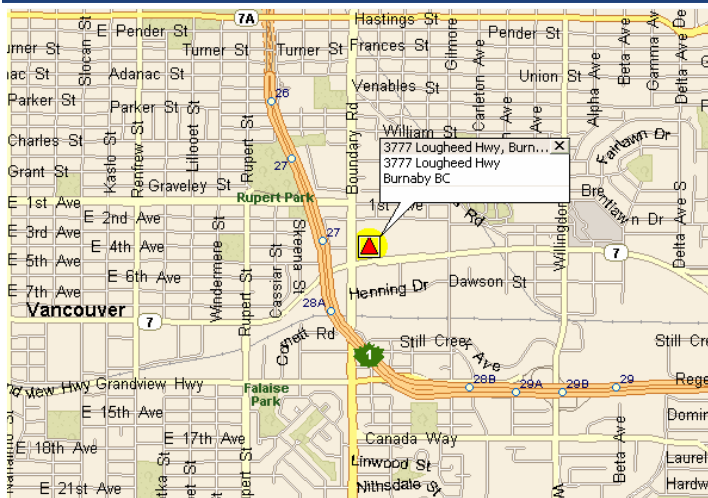
DISPOSITION SERVICES

Liam Jones – Vice President
604-681-3334, ext. 23
jones@devencorewest.com

www.gvadevencore.com ☎ 604-681-3334 📠 604-681-5255

Chartered Real Estate Broker

3777 Lougheed Highway



Zoning:

Current zoning is M-3 Industrial. The City of Burnaby's Planning Department supports a Comprehensive Development under M-5, B-1 and B-2 guidelines. Letter from City of Burnaby is available from GVA Devencore.

Legal Address:

Legal address shown on "Proposed lot A" on attached Schedule "A"

Offer Process:

Perspective purchasers are invited to submit Offers To Purchase through GVA Devencore on the Vendor's Standard Offer Form (please contact Agent).

**Lliam Jones – Vice President
#1860 – 505 Burrard St.
Vancouver BC. V7X 1M6**

www.gvadevencore.com ☎ 604-681-3334 📠 604-681-5255



E. & O.E. THE INFORMATION CONTAINED HERIN WAS OBTAINED FROM SOURCES WHICH WE DEEM RELIABLE AND WHILE THOUGHT TO BE CORRECT, IS NOT GUARANTEED BY GVA DEVENCORE. ALL MEASUREMENTS QUOTED ARE APPROXIMATE. PURCHASER TO VERIFY ALL MEASUREMENTS.

THE VENDOR SHALL NOT BE OBLIGATED TO ACCEPT THE HIGHEST OFFER, OR ANY OFFER, OR TO ENTER INTO ANY AGREEMENT FOR THE PURCHASE AND SALE OF ALL OR ANY PART OF THE PROPERTY. THE VENDOR SHALL HAVE THE RIGHT TO NEGOTIATE WITH ONE OR MORE OFFERS AND TO ACCEPT CHANGES IN OFFERS

November 17, 2006

To: Prospective Purchasers

Re: Sale of 3777 Lougheed Highway – Proposed Subdivision for Lot “A” of 7.67 Acres

The Vendor's Offer to Purchase form will be available next week for your review and consideration.

A few items (Vendor Representation(s)) that will be addressed in it are as follows:

- Environmental:** The Vendor will undertake to deliver the site with a Certificate of Compliance, or make an adjustment in price for remedial work required, if any. Golder has done a Stage I and Stage II report and identified creosote posts that may need to be removed. It may be that the Purchaser would benefit from the existing posts; therefore, they will be left, as is, at this time.
- Services:** Services, to municipal standards, will be provided to the Lot line.
- Title:** The Vendor will proceed with the subdivision of the Proposed Lot “A” and deliver registered title for same.
- Access:** The City has indicated support for a right in and right out off of Boundary, possible alignment with 4th Avenue.

Feel free to contact myself to discuss further.

Yours truly,

DEVENCORE COMPANY LTD.

A handwritten signature in dark ink, appearing to read "Lliam Jones".

Lliam Jones
Executive Vice President

Attachment 1.2

PROVINCE OF BRITISH COLUMBIA

ORDER OF THE LIEUTENANT GOVERNOR IN COUNCIL

Order in Council No. 1830 , Approved and Ordered SEP. 30.1988



Lieutenant Governor

Executive Council Chambers, Victoria Amm. 953/89

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and consent of the Executive Council, orders that the attached B.C. Gas Inc. Order is made.

Minister of Energy, Mines and Petroleum
Resources



Presiding Member of the Executive Council

(This part is for administrative purposes only and is not part of the Order.)

Authority under which Order is made:

Act and section:- Utilities Commission Act, sections 49, 56, 62, 63 and 67.....

Other (specify):- Hydro and Power Authority Privatization Act, section 18.....

September 30, 1988

/88/11/jsw

B. 3

B.C. GAS INC. ORDER

Interpretation

1. In this order
"Act" means the *Utilities Commission Act*;
"B.C. Gas" means B.C. Gas Inc.;
"minister" means the Minister of Energy, Mines and Petroleum Resources.

Rate Base

2. For the setting of rates and for all other purposes under the *Utilities Commission Act*, the appraised value of the plant in service ("rate base") of B.C. Gas Inc. as of July 16, 1988 has been ascertained as, and is declared by this order, to be \$582 699 000.

Allocation of rate base

3. The \$582 699 000 rate base of B.C. Gas, as of July 16, 1988, shall be allocated to its asset accounts as set out in Schedule 1.

Depreciation rates

4. Until further order, for all purposes of the Act, the depreciation rates of B.C. Gas
 - (a) are fixed at the rates set out in Schedule 2, and
 - (b) for each asset account, shall be applied to the asset value in that account that is set out in Schedule 1.

Accumulated depreciation accounts

5. (1) B.C. Gas shall establish an accumulated depreciation account for each asset account to which depreciation is applied.
(2) The balance in the accumulated depreciation accounts, as of July 16, 1988, shall be the amount of normal depreciation recorded in the accounts of British Columbia Hydro and Power Authority against the plant in service during the period commencing on April 1, 1988 and ending July 15, 1988.

Capital cost allowance

6. (1) B.C. Gas shall establish accounting schedules which identify separately for each class of assets the undepreciated capital cost related to rate base and the undepreciated capital cost related to other than rate base.
(2) For each class of assets, capital cost allowance for which B.C. Gas has a valid claim for income tax purposes, as evidenced in its income tax records from time to time, shall be allocated pro rata, based on the undepreciated capital cost immediately prior to the claim of capital cost allowance, between the undepreciated capital cost which is related to rate base and the undepreciated capital cost which is related to other than rate base.

Notice requirements

7. (1) Until the end of September, 1991, B.C. Gas shall promptly notify the Lieutenant Governor in Council by delivering written notice to the minister of any changes in

- (a) natural gas commodity purchase prices,
- (b) the tolls, approved by the National Energy Board, of Westcoast Energy Inc. and of Alberta Natural Gas Company Ltd.,
- (c) the amounts payable by B.C. Gas to Washington Water Power Company for costs reasonably incurred that are associated with the Jackson Prairie storage facility or to others, approved by the Lieutenant Governor in Council in advance of incurring the costs, for costs reasonably incurred that are associated with other natural gas storage facilities,
- (d) the amounts payable by B.C. Gas to Westcoast Energy Inc. arising from
 - (i) changes in contract demand that are caused other than by variations in number of customers or in customer consumption of natural gas and that are the result of
 - (A) changes in the deliverability, or capacity of natural gas storage facilities that are available to B.C. Gas, or
 - (B) the movement of customers from a sales contract basis to a service contract basis and vice versa, or
 - (ii) changed usage by B.C. Gas of interruptible natural gas that is caused other than by variations in number of customers or in customer consumption of natural gas,
- (e) the rate of, or method of calculating, any real property taxes payable by B.C. Gas to competent taxing authorities,
- (f) the rate of any tax payable by B.C. Gas under section 407 of the *Municipal Act* or section 398 of the *Vancouver Charter*,
- (g) the rate of any municipal franchise fees payable by B.C. Gas, and
- (h) the rate of federal and Provincial income tax (including surcharges) applicable to utility operations.

(2) Until October 1, 1991, B.C. Gas shall notify the Lieutenant Governor in Council monthly by delivering written notice to the minister of any changes in the weighted monthly average rate of interest payable by B.C. Gas on debt for a term of less than one year that is associated with utility operations.

(3) Until October 1, 1991, B.C. Gas shall promptly notify the Lieutenant Governor in Council by delivering written notice to the minister of any payment by the company of fees, levies and other charges as recovery of expenses of the government or of the British Columbia Utilities Commission arising out of the administration of the Act (as described in section 140 (1.1) of the Act).

Deferral accounts

8. B.C. Gas shall establish, and until the end of September, 1991, maintain, deferral accounts that record and reflect

- (a) the changes described in section 7 (1) (a) to (g), and the impact on B.C. Gas of those changes,

- (b) the fees, levies and charges described in section 7 (3) that are paid by B.C. Gas, and the impact on B.C. Gas of those changes,
- (c) the extent to which the federal and Provincial income tax expense (including surcharges) associated with utility operations that is actually incurred by B.C. Gas differs from that which it would have incurred if the average annual federal and Provincial income tax rates, (including surcharges) in each of the years 1988, 1989, 1990 and 1991 were those set out below:

<u>Year</u>	<u>Federal</u>	<u>Provincial</u>	<u>Total</u>
1988	28.0%	14.0%	42.0%
1989	28.0%	14.0%	42.0%
1990	28.0%	14.0%	42.0%
1991	28.0%	14.0%	42.0%

- (d) the extent to which the interest expense of B.C. Gas, determined on a month to month basis, on debt having a term of less than one year which debt is associated with the utility operations of B.C. Gas, differs from the expense that would result from a base short term interest rate of 10.2% applied to the lesser of
 - (i) the actual debt of B.C. Gas having a term of less than one year, or
 - (ii) 12% of the rate base of B.C. Gas,
- (e) the difference between
 - (i) B.C. Gas' revenue from customers receiving interruptible transportation service pursuant to rate schedule 2008 determined as if the per gigajoule revenue from those customers equalled the per gigajoule revenue from customers receiving on July 16, 1988 transportation service pursuant to rate schedule 2008, and
 - (ii) the revenue B.C. Gas would have received from those customers (net of the natural gas commodity purchase price and the commodity tolls of Westcoast Energy Inc. associated with gas service to those customers) if those customers had received interruptible gas sales service at the rate schedule 2501, and
- (f) the difference between
 - (i) the level of interruptible revenue credits actually received from Westcoast Energy Inc. (other than those associated with interruptible gas supplied for use by British Columbia Hydro and Power Authority at its Burrard Thermal electrical energy generating station), and
 - (ii) the level of such interruptible revenue credits reflected in the rates of B.C. Gas.

Application of certain deferrals

9. B.C. Gas shall, effective at the end of September in 1989, 1990 and 1991, or more frequently as directed by the minister, apply the deferral account balance established under section 8 (f) against the deferral account balance established under section 8 (e).

Rate schedules

10. (1) B.C. Gas shall, at least annually or more frequently as directed by the minister in each of 1989, 1990 and 1991, file a new schedule of rates under the Act.

(2) Each rate schedule B.C. Gas files under the Act before the end of September, 1991, shall reflect an amortization over 12 months of the aggregate amount recorded in the deferral accounts required by section 8 (a) to (d).

(3) The last schedule of rates filed under the Act by B.C. Gas before the end of September, 1991, shall reflect the rates of B.C. Gas that are, subject to the Act, to be effective at the end of September, 1991.

Limitation on expenses

11. (1) During the period until the end of September, 1991, no changes in the expenses of B.C. Gas other than those described in section 7 shall be reflected in the rates of B.C. Gas.

(2) B.C. Gas shall file with the Lieutenant Governor in Council, in care of the minister, the capital budgets of B.C. Gas and the information the Lieutenant Governor in Council requires to monitor compliance with this order.

SCHEDULE 1

(Sections 3 and 4)

B.C. GAS INC.

ALLOCATION OF RATE BASE TO ASSET ACCOUNTS

(thousands of dollars)

	Rate Base As of July 16, 1988 \$
Land and land rights	24 781
Buildings and site improvements <ul style="list-style-type: none">- metro and F.V.- gate stations- LNG control	9 850 435 1 457
Mains	351 126
Services	128 343
Meters	23 178
Measuring & regulating equipment	11 631
LNG holders & storage equipment	16 315
Equipment <ul style="list-style-type: none">- office- transportation- shop- instrument shop & lab- tools & work- radio communication- gas supervisory system- telephone & line break- computers (p.c.'s)- computers (mapping)- other	732 34 98 82 2 699 120 933 208 30 149 191
Assets held <ul style="list-style-type: none">- for resale- for future use	31 10
Unfinished construction	8 228⁽¹⁾
Computer software	2 038
	<u>582 699</u>

(1) Includes completed work not closed to specific plant accounts.

SCHEDULE 2

(Section 4)

B.C. GAS INC.

SCHEDULE OF DEPRECIATION RATES

	Rate %
Distribution Plant	2.00
Mains	3.00
Measuring and Regulating Equipment	3.00
Meters	2.90
Services	
Production Plant	3.00
Miscellaneous Plant Equipment	2.00
Petroleum Gas Equipment	
Storage Plant	4.00
LNG Plant	
Other Plant	4.00
Equipment	2.00
High Pressure Storage Tanks	
Contributions	2.00
Contributions in Aid of Construction (amortization rate)	
Special Assets	
Computer Equipment	20.00
LNG Computer Equipment	20.00
Computer Equipment - Miscellaneous	12.52
Micro-Computer Systems	22.66
Computer Assisted Mapping System	
General Assets	
Buildings	3.00
Frame or Sheet Steel	1.50
Masonry	10.00
Capital Spare Equipment	
Communication Equipment	10.00
Gas Supervisory System	5.00
Microwave	10.00
Radio	5.00
Telephone	
Intangible Plant	1.00
Franchise and Consents	1.00
Miscellaneous	1.00
Organization	ND
Land and Land Rights	5.00
Miscellaneous Equipment	5.00
Office Furniture and Equipment	10.00
Patterns, Dies, Moulds	2.50
Roads, Trails and Small Bridges	5.00
Stores, Shop and Laboratory Equipment	
Tools and Work Equipment	15.00
Engineering Services	5.00
General	
Transportation Equipment	5.50
Special Work Equipment	10.00
Trailers	

BURRARD THERMAL FIRM GAS PURCHASE AGREEMENT

THIS AGREEMENT made as of the 29th day of September, 1988, with effect as and from the 15th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an
Act of the Province of British Columbia and
continued under the Hydro and Power Authority
Act, R.S.B.C. 1979, c. 188

(hereinafter called "Hydro")

OF THE FIRST PART

AND:

B.C. GAS INC., a body corporate under
the laws of the Province of British
Columbia, having its registered office at
2800 - 595 Burrard Street, Vancouver,
British Columbia, V7X 1J5

(hereinafter called the "Company")

OF THE SECOND PART

W H E R E A S:

A. By separate agreement made as of the 15th day of July, 1988 (the "Asset Transfer Agreement") Hydro agreed to sell to the Company and the Company agreed to purchase from Hydro certain assets upon the terms more specifically set out therein;

B. For the purposes of this Agreement, all capitalized words shall have the same meaning given to those words in the Asset Transfer Agreement, unless otherwise defined herein;

C. Hydro owns and operates the Burrard Thermal electrical energy generating station for the production of electrical energy and requires a firm supply of natural gas for space heating and for frost protection of the main boilers at Burrard Thermal.

NOW THEREFORE THIS AGREEMENT WITNESSETH, that in consideration of the mutual covenants, agreements and warranties hereinafter set forth, each of the parties covenant and agree as follows:

1.0 DEFINITIONS

Where used herein or in any amendment hereto, unless the context otherwise requires, each of the following words shall have the meaning set forth as follows:

- (a) "Burrard Thermal" means the Burrard Thermal electrical energy generating station owned and operated by Hydro and situate at Port Moody, British Columbia;
- (b) "Commodity Cost" means the field commodity cost of natural gas negotiated by the Company from time to time for firm industrial customers with loads of the type and size to be supplied by the Company under this Agreement;
- (c) "Commodity Tolls" means the commodity charges prescribed by the toll schedules of Westcoast Energy Inc. ("Westcoast") as approved from time to time by the National Energy Board ("NEB") and applicable to the gas supplied hereunder;
- (d) "Demand Tolls" means the demand charges prescribed by the toll schedules of Westcoast approved from time to time by the NEB and applicable to the gas supplied hereunder;
- (e) "PST" means Pacific Standard Time;
- (f) "10³m³" means 1,000 cubic metres of gas; and

(g) "Term" means that period described in Section 5.0.

2.0 GAS SUPPLY

2.01 The Company will sell and deliver to Hydro natural gas for space heating and for frost protection of the main boilers at Burrard Thermal and Hydro shall take and pay for such natural gas upon the terms and conditions herein contained.

2.02 The maximum consumption of natural gas by Hydro under this Agreement shall not be greater than $1.7 \times 10^3 \text{ m}^3$ per hour (the "Maximum Hourly Take") and $28.3 \times 10^3 \text{ m}^3$ per day (the "Contract Demand") and these consumptions shall not be exceeded without the prior written approval of the Company.

3.0 CHARGES

3.01 Hydro shall pay the Company for the services provided hereunder the total of:

- (a) the Commodity Cost;
- (b) the applicable Westcoast Demand Tolls associated with a contract demand equivalent to $28.3 \times 10^3 \text{ m}^3$ per day;
- (c) the applicable Westcoast Commodity Tolls associated with the natural gas supplied hereunder; and
- (d) taxes directly on the charges under subsections 3.01(a), (b) and (c) herein, including social services tax.

3.02 In addition to the payments to be made pursuant to section 3.01 Hydro shall pay to the Company for the services provided hereunder the following sums as follows:

- (a) on the first day of August, 1988 and on the first day of each and every month thereafter to and including the first day of June 1989, the sum of \$18,500;
- (b) on the first day of July, 1989 and on the 1st day of each and every month thereafter to and including the first day of June, 1990, the sum of \$19,425; and
- (c) on the first day of July, 1990 and on the first day of each and every month thereafter the sum of \$20,396.25 until such sum is adjusted either by agreement between the parties or by the regulatory authority having jurisdiction over this Agreement.

Payments under this section shall be made notwithstanding the occurrence of an event of Force Majeure claimed by Hydro.

4.0 CONNECTION

The point of delivery shall be at the outlet of the Company's gas metering station on the Burrard Thermal property.

5.0 TERM

5.01 Natural gas shall be available for supply by the Company under this Agreement during the period commencing at 0800 hours PST on July 15, 1988, and terminating at 0800 hours PST on September 30, 1998.

5.02 The duties and obligations of the parties accrued to the date of termination of this Agreement shall survive termination.

6.0 ACCOUNTS

6.01 Natural gas supplied hereunder shall be considered, for billing purposes, as having passed through the Company's gas metering station on the Burrard Thermal property before natural gas supplied or delivered to Hydro by the Company under the Burrard Thermal Interruptible Gas Purchase Agreement, made as of July 15, 1988, as amended from time to time.

6.02 Bills will be rendered by the Company to Hydro on a monthly basis. The due date for payment of bills is the first business day after nineteen calendar days following the billing date as shown on the face of the bill.

6.03 If the amount due on any bill has not been paid in full on or before the due date, a further bill will be rendered to include the overdue amount plus a late payment charge of 1 1/2% per month (equivalent to 19.6% per annum when compounded monthly). To allow time for payments made to reach the Company's payment processing centre and to coordinate the billing of late payment charges with scheduled billing cycles, the Company may, in its discretion, waive late payment charges on payments not processed until a number of days after the due date.

6.04 Hydro shall make all payments to the Company required under this Agreement at a Company office located within the Lower Mainland designated by the Company from time to time for such purpose.

7.0 CHARTS

Hydro shall, at the request of the Company:

- (a) (i) change charts at 0800 PST on the first day of each month and at 0800 PST on any day a chart change is required,
 - (ii) enter all the information required to complete the reverse side of each chart as it is removed from the meter,
 - (iii) send all completed charts to the Company in a manner specified by the Company except for those charts removed during the final four (4) days of each month which will be picked up by a representative of the Company on the first working day of the following month,
 - (iv) wind the clock mechanism, ink and service the recorder pens, and report forthwith mechanical failure to the Company,
 - (v) take readings of front and rear dials at 0800 PST on each working day and telephone them to the Company by noon the same day, and
 - (vi) advise the Company as soon as possible of any actual or anticipated abnormal change in Hydro's rate of consumption of gas; and
- (b) permit the Company to maintain on Hydro's premises aforesaid, the necessary communication circuit and other facilities for the purpose of telemetering Hydro's gas consumption.

8.0 CONSUMPTION ABOVE CONTRACT DEMAND

Gas consumed by Hydro in excess of the Contract Demand shall be considered as gas consumed under the Burrard Thermal

Interruptible Gas Purchase Agreement made as of July 15, 1988, as amended from time to time, and Hydro shall pay for such excess gas in accordance with the provisions of that Agreement.

9.0 SUSPENSIONS

If as a result of any emergency or force beyond the reasonable control of either party herein or strike, lockout or other such disturbance of either party (the "Force Majeure"), either party is or was wholly or partly unable because of the Force Majeure, to perform an obligation arising from this Agreement and claims that a Force Majeure is occurring or has occurred and reasonably establishes that fact, then the performance of the obligation shall be deemed to be suspended provided always that:

- (a) the suspension shall be of no greater scope and no longer duration than the Force Majeure,
- (b) the non-performing party shall make its best efforts to counter the Force Majeure or to otherwise remedy its inability to perform the obligation,
- (c) a performance required at a time other than when the Force Majeure is occurring shall not be excused by the Force Majeure, and
- (d) an obligation to make a payment when due shall not be excused by the Force Majeure.

10.0 LIABILITY AND INDEMNITY

10.01 Subject to the Financial Administration Act S.B.C. 1981, c.15, as amended, and the Hydro and Power Authority Act R.S.B.C. 1979, c.188, as amended and the regulations thereunder:

- (a) Hydro shall be liable for and shall indemnify and save harmless the Company, its employees and agents, from and against any and all damage, loss, cost and expense which the Company, its employees or agents, may suffer or incur; and
- (b) Hydro shall indemnify and save harmless the Company, its employees and agents, from and against all claims, demands, costs, actions and causes of action whatsoever (including assessments by the Workmen's Compensation Board of British Columbia) which may be brought or made against the Company, its employees or agents,

in either case caused by, arising out of, or connected in any way with any of Hydro's equipment or any use thereof or disturbing element caused, permitted or introduced by Hydro or Hydro's equipment, or caused by, arising out of or connected in any way with any action, effect or use of gas after the same shall have been delivered to Hydro.

10.02 Hydro, its employees or agents, will not be liable to the Company pursuant to paragraph 10.01(a) for any loss of revenue or profits or other indirect, consequential or financial loss whether such loss is caused by an act or omission of Hydro, its employees or agents, later found to be negligent or otherwise.

11.0 MISCELLANEOUS

11.01 Natural gas supplied hereunder shall be subject to the terms and conditions from time to time contained in the Company's gas tariff, except where the terms of this Agreement are inconsistent with the Company's gas tariff, in which event the terms of this Agreement shall prevail.

11.02 No waiver of or failure by the Company to enforce any right or to exercise any remedy provided in the Agreement shall affect or prejudice the rights and remedies of the Company in respect of any future or other breach of the Agreement by Hydro or in respect of any matter for which the Company may be entitled to discontinue the supply of gas.

11.03 Any notice report or other document that either party may be required or may desire to give to the other shall be in writing, unless otherwise provided for, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex or facsimile copiers when received:

(a) if to the Company:

B.C. Gas Inc.
23rd Floor
1066 West Hastings Street
Vancouver, B.C.
V5E 3G3

Attention: Secretary

(b) if to Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

or at such other address as either party may from time to time designate by notice in writing to the other.

11.04 This Agreement is subject to the Company obtaining and maintaining any regulatory approvals that may be required.

11.05 A party shall not commence any legal proceedings against the other party in respect to the interpretation or enforcement of

this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party, and included in such reasonable steps is the right of a party to submit any dispute, with the other party, arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment thereof.

11.06 Notwithstanding any statutory limitation to the contrary, a party shall not commence any action, arbitration or other proceeding between the parties after the expiry of a period of two years after the issue in dispute arose.

IN WITNESS WHEREOF the parties have executed this Agreement as of the day and year first above written.

The Common Seal of
BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY
was hereunto affixed in the
presence of:

Authorized Signatory

c/m

The Common Seal of B.C. GAS)
INC. was hereunto affixed)
in the presence of:)

Authorized Signatory

C/8

WPD-H/MG/11-1

DATED: the 29th day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

BURRARD THERMAL FIRM GAS
PURCHASE AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD/H/MG/11-1 File No. 1166/9

Attachment 1.3

PROVINCE OF BRITISH COLUMBIA

ORDER OF THE LIEUTENANT GOVERNOR IN COUNCIL

Order in Council No. **1814** , Approved and Ordered SEP.30.1988


Lieutenant Governor

Executive Council Chambers, Victoria

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and consent of the Executive Council, orders that the form and contents set out in the attached Schedule are specified as the form and contents of the certificate of public convenience and necessity that 74280 B C Ltd , a gas distribution intermediary, is, by section 14 of the *Hydro and Power Authority Privatization Act* deemed to have received.

Minister of Energy, Mines and Petroleum
Resources



Presiding Member of the Executive Council

(This part is for administrative purposes only and is not part of the Order.)

Authority under which Order is made:

Act and section:- Hydro and Power Authority Privatization Act, section 14

Other (specify):- _____

September 30, 1988

/88/11/mb

A.2

SCHEDULE

PROVINCE OF BRITISH COLUMBIA

IN THE MATTER OF THE *HYDRO AND POWER AUTHORITY PRIVATIZATION ACT* AND THE *UTILITIES COMMISSION ACT*

AND

IN THE MATTER OF 74280 B.C. LTD.

CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY

1. The Lieutenant Governor in Council hereby certifies that public convenience and necessity requires the operation, and construction and operation of extensions thereof by 74280 B.C. Ltd. of the gas system (together with feeder lines from the main transmission lines of Westcoast Energy Co. Ltd. for that system and the liquid natural gas storage facilities) in a service area comprising

- (a) the areas of land in
 - (i) Central Fraser Valley Regional District,
 - (ii) Dewdney-Alouette Regional District,
 - (iii) Greater Vancouver Regional District, and
 - (iv) Regional District of Fraser-Cheam other than the part of it in Electoral Area A, and
- (b) any additional area of land that form part of the service areas described in the Certificates of Public Convenience and Necessity that are identified below by date and person to whom issued:

<u>Date</u>	<u>Issued to</u>
(i) July 29, 1955 (as amended May 15, 1957, September 9, 1958 and May 13, 1959)	British Columbia Electric Company, Limited ("B.C. Electric"),
(ii) December 13, 1955	B.C. Electric,
(iii) February 20, 1957	B.C. Electric,
(iv) May 27, 1957	B.C. Electric,
(v) February 11, 1958 (as amended April 29, 1959)	B.C. Electric, and
(vi) January 13, 1959	B.C. Electric.

PROVINCE OF BRITISH COLUMBIA

ORDER OF THE LIEUTENANT GOVERNOR IN COUNCIL

Order in Council No. 1823 , Approved and Ordered SEP. 30.1988


Lieutenant Governor


Executive Council Chambers, Victoria

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and consent of the Executive Council orders that

1. Approval is given pursuant to section 61 (4) of the *Utilities Commission Act* that B.C. Gas Inc. register on its books the transfer from the government to Inland Natural Gas Co. Ltd. of all of the voting shares in B.C. Gas Inc.

2. Section 61 of the *Utilities Commission Act* does not apply to Inland Natural Gas Co. Ltd. with respect to its acquisition from the government of all of the voting shares in B.C. Gas Inc.

Minister of Energy, Mines and Petroleum
Resources


Presiding Member of the Executive Council

(This part is for administrative purposes only and is not part of the Order.)

Authority under which Order is made:

Act and section:- *Utilities Commission Act*, s. 61 and *Hydro and Power Authority Privatization Act*, s. 13 (3).....
Other (specify):- *Hydro and Power Authority Privatization Act*, section 18.....

September 28, 1988

/88/11/mb

Q.

PROVINCE OF BRITISH COLUMBIA

ORDER OF THE LIEUTENANT GOVERNOR IN COUNCIL

Order in Council No. 1824 , Approved and Ordered SEP. 30. 1988

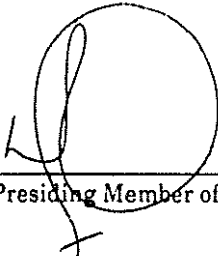


Lieutenant Governor

Executive Council Chambers, Victoria Res. 953/89

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and consent of the Executive Council, orders as set out in the attached Schedule.

Minister of Energy, Mines and Petroleum
Resources



Presiding Member of the Executive Council

(This part is for administrative purposes only and is not part of the Order.)

Authority under which Order is made:

Act and section:- Hydro and Power Authority Privatization Act, section 13.(3)

Other (specify):-

September 30, 1988

/88/11/mb

T.2

SCHEDULE

Whereas:

- A. Inland Natural Gas Co. Ltd. ("Inland") is acquiring all of the issued and outstanding shares (the "shares") of B.C. Gas Inc. on an acquisition that is the subject of an order under section 31 (1) of the *Hydro and Power Authority Privatization Act*;
- B. Columbia Natural Gas Limited ("Columbia") and Fort Nelson Gas Ltd ("Fort Nelson Gas") are subsidiaries of Inland;
- C. As part of its proposal to acquire B.C. Gas Inc., Inland offered to limit changes in the rates paid for natural gas by customers of Inland, Columbia and Fort Nelson Gas to changes arising from changes in expenses, over which Inland, Columbia and Fort Nelson Gas have no effective control, and changes associated with Orders of the British Columbia Utilities Commission ("commission") previously made, and subject to the rates not being altered by or on the complaint or application of any person;
- D. Her Majesty the Queen in Right of the Province of British Columbia ("the Province") and Inland, Columbia and Fort Nelson Gas have entered into an agreement made as of the 29th day of September, 1988, ("the rate agreement") to ensure that no changes in the rates of Inland, Columbia or Fort Nelson Gas occur other than those arising from changes in expenses, over which Inland, Columbia and Fort Nelson Gas have no effective control, and changes associated with orders of the commission made before the date of this order.

1. Sections 29, 49, 56 (b), 62 to 67, 69, 70, 86, 87, 114, 123 (1), 125 and 128 of the *Utilities Commission Act* do not apply to Inland, Columbia or Fort Nelson Gas in respect of the following transactions that are related to the acquisition referred to in recital A:

- (a) Inland's, Columbia's and Fort Nelson's charging to their customers of rates that reflect the limitations on rate changes referred to in recital C;
- (b) the establishment of notice requirements respecting changes in expenses experienced by Inland, Columbia and Fort Nelson Gas;
- (c) the establishment and maintenance of deferral accounts that record and reflect changes in expenses of Inland, Columbia and Fort Nelson Gas, over which those utilities have no effective control;
- (d) the filing by Inland, Columbia and Fort Nelson Gas of new schedules of rates that reflect changes in expenses over which those utilities have no effective control;
- (e) the confirmation that until the end of September, 1991, no changes in the expenses of Inland, Columbia and Fort Nelson Gas, other than those arising from changes in expenses over which Inland, Columbia and Fort Nelson Gas have no effective control, will be reflected in the rates of Inland, Columbia and Fort Nelson Gas.

Attachment 1.4

FARRIS, VAUGHAN, WILLS & MURPHY
BARRISTERS & SOLICITORS

TELEX 04-507819
CABLE ADDRESS "FAREM"
FLECOPIER (604) 661-9349
TELEPHONE (604) 684-9151

P.O. BOX 10026 PACIFIC CENTRE
TORONTO DOMINION BANK TOWER
700 WEST GEORGIA STREET
VANCOUVER, B. C.
V7Y 1B3

REPLY ATTENTION OF:

Elizabeth J. Harrison, Q.C.

DIRECT DIAL NO

(604) 661-9367

OUR FILE NO. **00019-233**

September 19, 1988

DELIVERED

Mr. Patrick D. Lloyd
Inland Natural Gas Co. Ltd.
23rd Floor
1066 West Hastings Street
VANCOUVER, B.C.
V6E 3G3

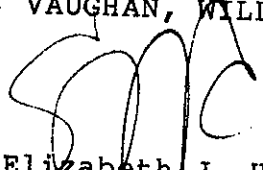
Dear Patrick:

We enclose for your information and file an executed copy of the Asset Transfer Agreement between B.C. Hydro and 74280 B.C. Ltd.

Yours very truly,

FARRIS, VAUGHAN, WILLS & MURPHY

Per:


Elizabeth J. Harrison

EJH:ja
Encl.
cc:

Mr. David M. Masuhara
(with enclosure)

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ASSET TRANSFER AGREEMENT
[Mainland Gas]

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ASSET TRANSFER AGREEMENT
[Mainland Gas]

15th

THIS AGREEMENT entered into as of the 15th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an
Act of the Province of British Columbia and
continued under the Hydro and Power Authority
Act, RSBC, 1979, ch.188, as amended

("Hydro")

AND:

OF THE FIRST PART

74280 B.C. LTD., a body corporate under the
laws of the Province of British Columbia

("Purchaser")

OF THE SECOND PART

W H E R E A S:

- A. Hydro is an agent of the Province and is exempt from certain laws of the Province of British Columbia;
- B. Hydro has heretofore carried on electric utility, gas utility, rail freight and research and development operations as agent for the Province;
- C. Hydro, as agent for the Province, has been given the power and authority by the Province to dispose of the gas utility, rail freight and research and development operations on behalf of the Province;
- D. Hydro desires to sell, as agent for the Province, and the Purchaser desires to purchase all of the rights, property and

assets of the Business, except as specifically excluded herein, and the Purchaser has agreed to purchase and pay for the rights, property and assets of the Business and assume certain liabilities relating to the Business; and

E. The sale of the Business will be transacted pursuant to the Privatization Act;

NOW, THEREFORE, in consideration of the premises and of the mutual covenants and agreements contained herein, the parties hereto covenant and agree as follows:

1.0 TERMS

1.01 Definitions

In this Agreement:

(a) "Additional Purchaser Interests" means any other rights, property or assets, which are required by the Purchaser for the operation of the Business and which are presently held by Hydro and not otherwise described in the Disclosure Schedule, and without limiting the foregoing, include any Gas Rights of Way, Common Rights of Way, Third Party Interests or Licences, all as subsequently agreed upon by the parties in accordance with Paragraph 2.05 herein;

(b) "Additional Hydro Interests" means:

(i) any property or assets required by Hydro or the Rail Purchaser for the operation of the Operating Services, other than the Business, transferred to the Purchaser in error;

- (ii) any rights required by Hydro, the Rail Purchaser or third parties authorized by Hydro to cross the Works of the Purchaser and any rights authorizing the installation and continuing operation of the Works of Hydro or works of the Rail Purchaser or of the third parties authorized by Hydro;
- (c) "Additional Net Fixed Assets" means the dollar amount of those capital expenditures, in respect of the Business made during the Interim Period, net of disposals and depreciation and determined using the accrual method of accounting applied consistently with prior periods;
- (d) "Agreed Rate" means the rate of interest which is that certain rate of interest payable on funds lent by the Bank to corporate borrowers of the highest credit rating and designated as the "Prime Rate" from time to time by the Bank provided that if and whenever the Prime Rate is varied by the Bank, the interest rate provided for herein shall be varied effective the date such variation in the Prime Rate comes into effect so that at all times the interest rate herein shall be the Prime Rate then in effect;
- (e) "Assets" means, except the Excluded Assets:
- (i) the rights, property and assets of the Business designated and owned, leased or otherwise held by Hydro as of the Effective Date, being, without duplication, the
- Business Information
 - Computer Software
 - Contracts

- Gas Distribution System
- Gas Supply Contracts
- Government Licenses and Permits
- Intangibles
- Leased Machinery and Equipment
- Meters
- Municipal Agreements
- Owned Machinery and Equipment
- Owned Real Estate
- Real Estate Interests
- Shared Real Estate
- Trademarks
- Unfinished Construction,

together with the undertaking and goodwill associated therewith;

- (ii) Additional Purchaser Interests;
 - (iii) Assumed Current Assets; and
 - (iv) Subsequent Assets;
- (f) "Assumed Current Assets" means the rights, property and assets of the Business owned, leased or otherwise used by Hydro as of the Closing Date, all as listed as such in the Disclosure Schedule, including the Materials Inventory, the Gas Inventory and the Unbilled Revenue, which shall not include the Excluded Current Assets;
- (g) "Assumed Current Liabilities" means those current liabilities and obligations of Hydro, as of the Closing Date, of the Business, all of which are as listed in the Disclosure Schedule, which shall not include the Excluded Current Liabilities;

(h) "Assumed Liabilities" means:

- (i) obligations and liabilities contained in all agreements relating to the Leased Machinery and Equipment, the Owned Real Estate, Shared Real Estate, the Real Estate Interests and the Additional Purchaser Interests;
- (ii) obligations and liabilities of Hydro arising out of the Contracts and the Gas Supply Contracts;
- (iii) obligations and liabilities, accrued, accruing or which may accrue from any and all orders, directions, requirements or the like of the Utilities Commission issued or made by the Utilities Commission or other regulatory or governmental body having jurisdiction up to Closing and thereafter; and
- (iv) the Assumed Current Liabilities;

(i) "Assumed Working Capital" means the dollar amount of the Assumed Current Assets less the dollar amount of the Assumed Current Liabilities;

(j) "Bank" means the Canadian Imperial Bank of Commerce;

(k) "Business" means, as the context requires, the business of distributing natural gas and otherwise using or operating a natural gas distribution and transmission system as carried on by Hydro, as at the date of this Agreement, or during the Interim Period or by the Purchaser after the Closing Date, in the Lower Mainland and Fraser Valley areas of British Columbia and regulated under the Utilities Commission Act;

- (l) "Business Information" means all forecasts, statistics, books, records, maps, descriptions, agreements, correspondence, relating to the Business, situate at the Lochburn and Fraser Valley offices of Hydro;
- (m) "Central Park Corridor Licence" means that certain licence to be granted by Hydro to the Purchaser authorizing the operation of the 20 inch underground trunk pipeline on and under those parcels of land owned by Hydro in fee simple between Kaslo Street in Vancouver and Buller Street in Burnaby, substantially in the form attached hereto as Schedule "B";
- (n) "Certificate of Vesting" means a certificate produced under subsection 6(2)(d) of the Privatization Act;
- (o) "Closing" means the closing of the purchase and sale referred to in Paragraph 2.01, at the offices of Owen, Bird at 12:01 a.m., local time, on the Closing Date;
- (p) "Closing Date" means the date of the initial transfer of the Assets pursuant to the transfer date set in accordance with subsection 4(1)(d) of the Privatization Act;
- (q) "Closing Date Financial Statements" means the financial statements produced by Hydro with respect to the Business as at the Closing Date;
- (r) "Common Rights of Way" means those statutory rights of way described in the Disclosure Schedule granting to Hydro the rights to use a Right of Way Area for transmission or distribution, or both, of electrical

energy or natural gas, or both, which statutory rights of way are to be transferred to Hydro and the Purchaser in common, but does not include Hydro's remaining undivided one-half interest therein;

(s) **"Computer Software"** means a copy of all computer software relating to the Business which shall include, but not be limited to:

(i) current "as is" application software written by or for Hydro and utilized in the Business,

(ii) current "as is" software used in the Business, with appropriate consents obtained by Hydro, obtained from third party vendors and/or lessors on terms and conditions acceptable to the Purchaser, which acceptance shall not be unreasonably withheld, and

(iii) all of Hydro's systems and user documentation relating to the above described software,

as listed in the Disclosure Schedule;

(t) **"Contracts"** means the contracts and agreements relating to the Business other than those contracts and agreements otherwise specifically defined herein, as listed in the Disclosure Schedule;

(u) **"Crossing Permissions"** means those pipeline crossing permissions to be granted by Hydro, if any, or which Hydro is to cause the Rail Purchaser to grant to the Purchaser authorizing the Purchaser to cross under the railway or Works presently operated by Hydro, as described in the Disclosure Schedule;

- (v) "Deficiencies" means those deficiencies, defects or restrictions upon or related to the Assets, known or unknown to Hydro, those of which are known to Hydro or are reasonably expected to exist, being described in the Disclosure Schedule;
- (w) "Delayed Assets" means those Assets, the legal interest in which is not sold, transferred, conveyed, assigned or delivered at the Closing Date, as described in the Disclosure Schedule, not being practicable to convey at Closing;
- (x) "Disclosure Schedule" means that schedule comprising 32 numbered subschedules attached hereto as Schedule "A", as that Schedule may be subsequently amended pursuant to Paragraph 8.07;
- (y) "Effective Date" means March 31, 1988;
- (z) "Excluded Assets" means:
 - (i) the rights, property and assets sold by Hydro in the ordinary course of business during the Interim Period,
 - (ii) Vehicles, and
 - (iii) those rights, property and assets listed as such in the Disclosure Schedule;
- (aa) "Excluded Current Assets" means the rights, property and assets of the Business owned by Hydro and listed as such in the Disclosure Schedule;

- (bb) "Excluded Current Liabilities" means those current liabilities and obligations of Hydro, as of the Closing Date, relating to the Business, as listed in the Disclosure Schedule;
- (cc) "Financial Consideration" means the Financial Consideration described in paragraph 5.01;
- (dd) "Financial Statements" means annual financial statements consisting of balance sheets of the Business as at March 31, 1988; the related statements of income and retained earnings, and changes in financial position for the period ended on said date, and the notes thereto, respectively, all of which are attached hereto as Schedule "C";
- (ee) "Fraser Valley Corridor Licence" means that certain licence to be granted by Hydro to the Purchaser authorizing the operation of the pipelines referred to in the licence on and under those parcels of land owned by Hydro in fee simple, more particularly described in the licence, substantially in the form attached hereto as Schedule "D";
- (ff) "Gas Distribution System" means the natural gas transmission, trunk and distribution pipelines used and operated in the Business as at the date of Closing and including all gate stations, valves, regulators and Works used in connection therewith, as described in the Disclosure Schedule;
- (gg) "Gas Inventory" means all supplies of natural gas owned by Hydro (whether liquefied or not) held in storage or held in the Gas Distribution System, as described under Assumed Working Capital in the Disclosure Schedule;

- (gg) **"Gas Rights of Way"** means those statutory rights of way described in the Disclosure Schedule granting to Hydro the rights to use Right of Way Areas for the transmission and distribution of natural gas to be transferred, subject to Paragraph 2.03, by Hydro to the Purchaser for its sole use;
- (hh) **"Gas Supply Contracts"** means those agreements listed as such in the Disclosure Schedule;
- (ii) **"Government Licences and Permits"** means those licences, permits and orders all as listed in the Disclosure Schedule;
- (jj) **"Granted Right of Way Agreements"** means those certain right of way agreements made pursuant to Section 214 of the Land Title Act, to be granted by Hydro to, and registered in the appropriate Land Title Office by, the Purchaser in respect of lands held in fee simple by Hydro, each defining a Right of Way Area and governing the legal rights to build, maintain and use Works of the Purchaser thereon, and those easement agreements, if any, to be granted by Hydro to the Purchaser, as described in the Disclosure Schedule;
- (kk) **"Hydro Act"** means the Hydro and Power Authority Act R.S.B.C. 1979, ch.188, as amended;
- (ll) **"Hydro's Calculation"** means Hydro's calculation of the Post Closing Adjustment, verified by Deloitte, Haskins and Sells, Chartered Accountants;
- (mm) **"Intangibles"** means technical information, blueprints, drawings and designs used in the Business;

- (nn) "Interim Period" means the period from the Effective Date to and including the Closing Date;
- (oo) "Land Title Act" means the Land Title Act, R.S.B.C. 1979, Chapter 219 as amended;
- (pp) "Leases" means those certain leases to be granted by Hydro to the Purchaser on lands described in the Disclosure Schedule;
- (qq) "Leased Machinery and Equipment" means Hydro's leasehold interest in all office equipment and furniture, computers and computer equipment, shop machinery and equipment, tools, dies, appliances, trade fixtures, including spare parts, and all other machinery and equipment of every kind and description leased by Hydro (as lessee) and used in the Business, as listed in the Disclosure Schedule;
- (rr) "Licences" means those unregistered licences to be granted to the Purchaser over lands held in fee simple by Hydro or the Rail Purchaser, (but excluding the Central Park Corridor Licence and the Fraser Valley Corridor Licence) or over statutory rights of way, on lands described in the Disclosure Schedule;
- (ss) "Logo" means the logo or logos and any and all variations thereof used by the Business, as represented in the Disclosure Schedule;
- (tt) "Materials Inventory" means the pipe, compressors, regulators and ancillary supplies intended for use in the Business and owned by Hydro, as described under Assumed Working Capital in the Disclosure Schedule;

- (uu) "Meters" means the natural gas meters and ancillary supplies used in the Business and owned by Hydro, as listed in the Disclosure Schedule;
- (vv) "Municipal Agreements" means the agreements between Hydro and various municipalities, as listed in the Disclosure Schedule;
- (ww) "Note" means the promissory note made by the Purchaser in favour of Hydro in the amount of \$724,000,000 payable on demand, and in the form of Schedule "E";
- (xx) "Operating Services" means the Business, the electric utility service, the propane-air distribution system in Victoria, the rail freight service in the Lower Mainland area and the research and development division in Surrey, all owned and operated by Hydro and situate in the Province of British Columbia;
- (yy) "Order" means an order made pursuant to the Privatization Act;
- (zz) "Owned Machinery and Equipment" means office equipment and furniture, computers and computer equipment, shop machinery and equipment, tools, dies, appliances, trade fixtures, trailers, and other transportation equipment (except Vehicles) and other machinery and equipment of every kind and description, including spare parts, owned by Hydro and used in the Business, as listed in the Disclosure Schedule;
- (aaa) "Owned Real Estate" means those lands owned by Hydro and used in the Business, as described in the Disclosure Schedule, together with all buildings, improvements, appurtenances and other fixtures located thereon;

(bbb) "Permitted Exceptions" means:

- (i) statutory provisions with respect to interests, rights, privileges and titles,
- (ii) in the case of Owned Real Estate, Common Rights of Way and Gas Rights of Way, such charges and other interests as described in the Disclosure Schedule,
- (iii) in cases other than Owned Real Estate, all charges registered in priority to Hydro's interest, and
- (iv) all unregistered contractual or real property rights or interests granted by Hydro to third parties; and
- (v) any right or interest reserved to Hydro;

(ccc) "Post Closing Adjustment" means the aggregate of items (i) and (ii) next following:

- (i) the difference between the dollar amount of the Additional Net Fixed Assets and the estimated dollar amount stated in Paragraph 5.01(b); and
- (ii) the difference between the dollar amount of the Assumed Working Capital and the estimated dollar amount stated in Paragraph 5.01(c);

(ddd) "Privatization Act" means the Hydro and Power Authority Privatization Act, SBC 1988;

(eee) "Province" means Her Majesty the Queen in right of the Province of British Columbia;

- (fff) "Rail Purchaser" means the purchaser, if any, of the rail freight service included in the Operating Services and sold by Hydro;
- (ggg) "Real Estate Interests" means the Gas Rights of Way and the Third Party Interests;
- (hhh) "Right of Way Area" means the physical corridor of land, including any combination of underground, surface and/or overhead rights, within which the parties, or either of them, will operate their respective Works or intend from time to time to build, maintain, operate or use future Works;
- (iii) "Shared Real Estate" means the Central Park Corridor Licence, the Fraser Valley Corridor Licence, the Common Rights of Way, the Crossing Permissions, the Leases, the Licences and the Granted Right of Way Agreements;
- (jjj) "Subsequent Assets" means the rights, property and assets which are within the categories listed in Paragraph 1.01(e)(i), acquired by Hydro in the operation of the Business during the Interim Period, as listed in the Disclosure Schedule and as amended pursuant Paragraph 8.07;
- (kkk) "Third Party Grants" means those contractual or real property rights or interests, other than the Contracts, the Real Estate Interests, the Common Rights of Way described in the Disclosure Schedule to be given or granted directly to the Purchaser by third parties;

- (lll) "Third Party Interests" means those contractual or real property rights or interests (other than the Contracts, the Gas Rights of Way or the Common Rights of Way) granted to Hydro by third parties:
- (i) authorizing parts of the Gas Distribution System to cross the installations, works or lands of such third parties, and
 - (ii) for leasehold purposes of the Business,

as described in the Disclosure Schedule;
- (mmm) "Trademarks" means those word marks, none of which have been registered under the Trade Marks Act (Canada), as listed in the Disclosure Schedule;
- (nnn) "Unbilled Revenue" means that revenue earned by Hydro with respect to the Business up to the Closing Date which has not billed as at the Closing Date;
- (ooo) "Unfinished Construction" means all partially completed additions to the Gas Distribution System, partially completed improvements on the Owned Real Estate, and such other partially completed additions to the Assets, all as listed in the Disclosure Schedule;
- (ppp) "Utilities Commission Act" means the Utilities Commission Act, SBC, 1980, ch. 60, as amended;
- (qqq) "Vehicles" means the vehicles, owned or leased, used in the Business, as listed in the Disclosure Schedule;

(rrr) "Works" means:

(i) in the case of Hydro:

(A) towers and poles with anchors, guy wires, brackets, crossarms, insulators, transformers and their several attachments and one or more lines of wire; and

(B) one of more underground conduits, whether or not encased by concrete or other protective material, and cables with all necessary attachments and fittings and aboveground or underground transformers and switchgears;

existing, installed or being operated by Hydro or its licensees for the transmission and distribution of electric energy and for communication and aircraft warning purposes; and

(ii) in the case of the Business or the Purchaser, pipelines or facilities, which without limiting the generality of the foregoing, may include valves, markers, appliances, compressors, gate stations, fittings, devices for controlling corrosion, existing, installed or being operated in connection with the Business all for use in connection with such pipeline or lines, for the transmission and distribution of natural gas.

1.02 Schedules

- (a) Schedule "A" - Disclosure Schedule;
- (b) Schedule "B" - Central Park Corridor Licence;
- (c) Schedule "C" - Financial Statements;

- (d) Schedule "D" - Fraser Valley Corridor Licence;
- (e) Schedule "E" - Note;
- (f) Schedule "F" - Leases;
- (g) Schedule "G" - Hydro Services Agreement;
- (h) Schedule "H" - Real Property Operating Agreement;
- (i) Schedule "I" - Research and Development Agreement;
- (j) Schedule "J" - Burrard Thermal Agreement;
- (k) Schedule "K" - Revenue Agreement;
- (l) Schedule "L" - Expense Agreement;
- (m) Schedule "M" - Vehicle Services Agreement;
- (n) Schedule "N" - Gas Microwave Agreement;
- (o) Schedule "O" - Gas Circuit Agreement;
- (p) Schedule "P" - Gas UHF/VHF Agreement;
- (q) Schedule "Q" - Legal Opinion of Purchaser's Counsel;
- (r) Schedule "R" - Legal Opinion of Hydro's General Counsel;
- (s) Schedule "S" - Assumption Agreement;
- (t) Schedule "T" - Employee Services Agreement.

2.0 PURCHASE AND SALE OF ASSETS

2.01 Purchase and Sale

Hydro agrees to sell, as agent for the Province, the Assets to the Purchaser and the Purchaser agrees to purchase the Assets from Hydro by payment of the Financial Consideration, upon the terms and subject to the conditions contained in this Agreement.

2.02 Transfer of the Assets

Subject to the Permitted Exceptions and the Deficiencies, at Closing:

- (a) except as otherwise described in (b), (c), (d) and (e) below, Hydro shall transfer, convey, assign and deliver Hydro's interest in and to the Assets to the Purchaser,

excluding the Delayed Assets and the Additional Purchaser Interests;

- (b) Hydro shall transfer, convey, assign and deliver Hydro's beneficial ownership in and to the Delayed Assets to the Purchaser;
- (c) Hydro shall transfer to Hydro and the Purchaser, as to an undivided one-half interest each, Hydro's interest in and to the Common Rights of Way;
- (d) Hydro shall grant to the Purchaser the Central Park Corridor Licence, Fraser Valley Corridor Licence, the Leases all in substantially the forms of the agreements attached as Schedules "B", "D" and "F" hereto and the Granted Right of Way Agreements; and
- (e) Hydro shall grant, or cause the Rail Purchaser, if any, to grant, the Crossing Permissions and the Licences.

2.03 Re-Assignment

Notwithstanding Paragraph 2.02(a) herein, the parties hereto acknowledge and agree that the Gas Rights of Way will be assigned by Hydro to the Purchaser for its own use on the assumption that such agreements contain rights to operate the Business only and no rights to operate the Operating Services other than the Business or to install the Works of Hydro. The Purchaser agrees that if the provisions of such agreements allow a use by Hydro and Hydro demonstrates that it requires an interest in one or more of such Gas Rights of Way for the purposes of an Operating Service other than a gas distribution and transmission system, the Purchaser shall at Hydro's expense, upon written notice by Hydro, execute in registrable form and deliver to Hydro a counterpart of the re-assignment of such Gas Rights of Way specified in the notice to Hydro and the Purchaser as to an undivided one-half interest each. Upon such notice being received

by the Purchaser, the parties agree that such Gas Rights of Way will be subject in all respects to the provisions of the Real Property Operating Agreement substantially in the form of Schedule "H".

2.04 Delayed Assets

As soon as practicable subsequent to Closing, Hydro shall transfer, convey, assign and deliver to the Purchaser legal title to the Delayed Assets and until such time, from Closing, Hydro shall hold title to the Delayed Assets in trust, as bare trustee, for the use and benefit of the Purchaser and shall grant possession thereof, if applicable, to the Purchaser.

2.05 Additional Purchaser Interests

(a) For a period of 365 days after the Closing Date, each party agrees to work together and cooperate to identify the Additional Purchaser Interests and upon verification by Hydro that it is essential for the Business after the date of this Agreement that the Purchaser obtain a transfer, assignment, assignment in common with Hydro, lease, licence or other grant of such Additional Purchaser Interests, Hydro shall, as soon as practicable after receiving written request from the Purchaser, and subject to receipt of any approvals referred to in Paragraph 3.01 herein:

(i) transfer, convey, assign and deliver such Additional Purchaser Interests specified in the notice to the Purchaser, subject to the reservation by Hydro of any rights or interests required by Hydro for the Operating Services, other than the Business;

- (ii) transfer such Additional Purchaser Interest specified in the notice to Hydro and the Purchaser in common, as to an undivided one-half interest each, if the Additional Purchaser Interest is a right or interest required by each of Hydro and the Purchaser;
- (iii) grant a Lease or Granted Right of Way Agreement;
or
- (iv) grant or cause the Rail Purchaser to grant a Crossing Permission or Licence;

as Hydro may, acting reasonably, consider appropriate in the circumstances of a particular Additional Purchaser Interest, subject to any further property tax adjustment as Hydro may consider appropriate in the circumstances and subject to the Purchaser executing an agreement whereby the Purchaser assumes all obligations and liabilities related to such Additional Purchaser Interests proportionate to the interest transferred;

- (b) The Purchaser shall be responsible for any capital expenditure required or made after the Closing Date related to the Delayed Assets and Additional Purchaser Interests prior to their transfer.
- (c) Hydro shall be responsible for any non-capital expenditure required or made after the Closing Date related to the Delayed Assets and Additional Purchaser Interests prior to their transfer.
- (d) Each party shall bear one-half of the expense associated with the transactions referred to Subparagraph (a) of this Paragraph 2.05.

2.06 Additional Hydro Interests

For a period of 365 days after the Closing Date each party agrees to work together and cooperate to identify the Additional Hydro Interests and the Purchaser shall, as soon as practicable after receiving a written request from Hydro and subject to receipt of any regulations or orders referred to in Paragraph 3.01, grant to Hydro or the Rail Purchaser, or the third parties authorized by Hydro, as the case may be, the registered or unregistered right or interest requested by Hydro without any payment being made therefore by Hydro, the Rail Purchaser or the third party as the case may be. Hydro shall be responsible for any capital expenditure required or made after the Closing Date related to the Additional Hydro Interests prior to their transfer.

2.07 Deficiencies

The Deficiencies known to Hydro are listed in the Disclosure Schedule and are hereby accepted by the Purchaser. For a period of 365 days after Closing to the extent reasonably practicable, Hydro will, at its cost, only if the reasonable cost exceeds \$10,000 for the Deficiency, in good faith endeavour to cure or remedy such Deficiency which becomes known to the Purchaser after Closing, but in no event shall the total aggregate cost to Hydro to cure or remedy all Deficiencies exceed \$500,000.

3.0 CONDITION PRECEDENT

3.01 Condition Precedent

This Agreement is subject to the condition precedent that such Regulations or Orders in Council of the Lieutenant Governor in Council of the Province of British Columbia are made under Sections 3 and 4 of the Privatization Act as are required to implement the transactions contemplated herein.

4.0 ASSUMPTION BY THE PURCHASER OF ASSUMED LIABILITIES
AND INDEMNIFICATION

4.01 Assumption and Indemnification by Purchaser

At Closing, the Purchaser assumes and agrees duly to perform, pay and discharge the Assumed Liabilities as and from the Closing Date and shall indemnify and save harmless Hydro from and against any loss or damage of Hydro whatsoever arising out of the non-performance or non-fulfillment of the Assumed Liabilities by the Purchaser after the Closing Date.

5.0 FINANCIAL CONSIDERATION

5.01 Financial Consideration

The Financial Consideration for the purchase shall be \$773,000,000 being the aggregate of:

- (a) \$716,000,000 being the purchase price of the Assets as at the Effective Date;
- (b) \$8,000,000, being the Additional Net Fixed Assets as estimated at the date of this Agreement;
- (c) \$Nil, being the Assumed Working Capital as estimated at the date of this Agreement;
- (d) \$5,000,000, being the amount payable in lieu of property purchase tax and social services tax as estimated at the date of this Agreement; and
- (e) \$44,000,000, being the payment in lieu of the net present value of income tax payable to the Province.

5.02 Payment of the Financial Consideration

The Financial Consideration shall be paid and satisfied by the Purchaser as follows:

- (a) as to the aggregate of the amounts in 5.01(a), 5.01(b) and 5.01(c) by executing and issuing to Hydro the Note;
- (b) as to the amount in 5.01(d), to be paid to Hydro at the time of payment of the Post Closing Adjustment less all amounts paid by the Purchaser prior to the payment of the Post Closing Adjustment to the Province for any property purchase tax or social services tax payable in respect of the purchase of any of the Assets from Hydro; and
- (c) as to the amount in 5.01(e), to be paid to Hydro on or before October 1, 1994 less the amount, if any, by which the net present value as at October 1, 1988, using a discount rate of 10% per annum, of the income tax paid by the Purchaser on or before October 1, 1994 in respect of income for the period commencing October 1, 1988 and ending on September 30, 1993 calculated in accordance with Part I of the Income Tax Act (Canada) to the Province pursuant to the Income Tax Act (British Columbia) or to the Government of Canada pursuant to Part I of the Income Tax Act (Canada) and remitted to the Province pursuant to the Public Utilities Income Tax Transfer Act (Canada) or any other statute or agreement under which Federal income tax is paid by the Government of Canada to the Province; together with interest on that part of the amount remaining unpaid as at October 1, 1993 at the Agreed Rate from that date to the date that payment has been made in full of such amount. For the purposes of the above calculation, if the Purchaser has a fiscal year end other than September 30, the

income tax paid or payable in respect of any such fiscal year which includes October 1, 1988 or September 30, 1993 (the "Straddle Dates") will be proportionately adjusted based on the number of months in such fiscal year occurring subsequent to or prior to the Straddle Date as the case may be.

5.03 Allocation of Financial Consideration

The Financial Consideration is hereby allocated, by mutual agreement, substantially as follows:

- (a) Lands and Buildings of Class 6 and Class 3 of Schedule II of the Income Tax Act (Canada) (the appraised value thereof);
- (b) Goodwill - \$1;
- (c) Machinery and Equipment, other than assets of Class 1 or 2 of Schedule II of the Income Tax Act (Canada) (the appraised value thereof);
- (d) the amount of Assumed Working Capital;
- (e) Pipeline - Class 2 of Schedule II of the Income Tax Act (Canada) (the balance of the Financial Consideration)

5.04 Hydro's Calculation

One hundred and twenty (120) days after the Closing Date, Hydro shall prepare Hydro's Calculation and deliver the same to the Purchaser. Fourteen (14) days after receipt of Hydro's Calculation, the Purchaser shall submit a report to Hydro detailing the Purchaser's differences or objections, if any, with

Hydro's Calculation. If the Purchaser does not give such report to Hydro, within such fourteen (14) day period the Purchaser shall be deemed to have accepted Hydro's Calculation. Hydro shall have fourteen (14) days after receipt of such report during which to notify the Purchaser of any disputes that Hydro has with such report. If Hydro does not give such notice, within such fourteen (14) day period then Hydro's Calculation, as modified by such report, shall be final and conclusive for all purposes. If Hydro timely gives such notice, then the Purchaser and Hydro shall use their best efforts and in good faith attempt to resolve such dispute by negotiations. Failing resolution, the dispute shall be resolved by Coopers and Lybrand, Chartered Accountants.

5.05 Post Closing Adjustment

The Post Closing Adjustment shall be paid in cash by the owing party to the other party and will bear interest at the Agreed Rate from the Closing Date.

6.0 REPRESENTATIONS AND WARRANTIES OF HYDRO

Subject to this Agreement, Hydro represents and warrants to the Purchaser as follows.

6.01 Corporate Status and Authority

- (a) Hydro is a validly existing corporation established by the British Columbia Hydro and Power Authority Act, S.B.C. 1964, ch.7, and continued under the Hydro Act.
- (b) The Business is one of the Operating Services.
- (c) All of the Assets are in the name of or are otherwise held or controlled by Hydro.

- (d) Hydro has the corporate power and authority to own, lease or otherwise hold as agent for the Province, the Assets and to carry on the Business as now being conducted and to execute, deliver and perform this Agreement and all other agreements delivered at Closing and to consummate the transactions contemplated hereby.
- (e) Hydro is an agent of the Province and has all power and authority from the Province necessary to consummate the transactions herein.

6.02 Execution, Delivery and Performance

- (a) The execution and delivery of this Agreement and all other agreements delivered at Closing by Hydro and the consummation of the transaction contemplated hereby have been or will, prior to Closing, be duly authorized by Hydro's Board of Directors.
- (b) This Agreement and all other agreements delivered at Closing, upon execution and delivery, will be valid and binding on Hydro and will be enforceable in accordance with its terms.
- (c) The execution, delivery and performance of this Agreement and all other agreements delivered at Closing by Hydro, and the consummation of the transactions contemplated hereby, will not result in a breach by Hydro, or constitute a default by it under any judgment, order, or statute by which it is bound.

6.03 Financial Statements

- (a) Hydro has previously delivered to the Purchaser true copies of the Financial Statements. Such Financial

Statements have been reviewed by Deloitte, Haskins & Sells, Chartered Accountants, and have been prepared by Hydro in conformity with the "Significant Accounting Policies" as set forth in note number 2 thereto.

- (b) Since the Effective Date, Hydro has conducted the Business in its ordinary and usual manner and there has been no material adverse change in the Business, general affairs, management, Assets, liabilities, financial condition or result of operations thereof.
- (c) No later than sixty (60) days after the Closing Date, Hydro will deliver to the Purchaser true copies of the Closing Date Financial Statements.

6.04 Title to Assets

Except for the Deficiencies, and subject to the restrictions below, the provisions of the Privatization Act and the fulfillment of the condition precedent in Paragraph 3.01:

- (a) Hydro has good and marketable fee simple title to the Owned Real Estate, free and clear of all liens, charges, pledges, encumbrances, defects, claims or rights of third parties, except the Permitted Exceptions;
- (b) Hydro has good and marketable title to the Gas Rights of Way and the Common Rights of Way, free and clear of all liens, charges, pledges, defects, encumbrances, claims or rights of third parties, except the Permitted Exceptions and there will be no default or basis for termination under any of the Gas Rights of Way or the Common Rights of Way as a result of the transactions provided for in this Agreement;

- (c) Hydro has good and marketable title to the Owned Machinery and Equipment is free and clear of any security interest, mortgage, pledge, lien, conditional sale agreement, encumbrance or other claim or rights of any third party;
- (d) Hydro's leasehold interests in the Leased Machinery and Equipment are not subject to any security interest, mortgage, pledge, lien, conditional sale agreement or encumbrance; the interest of Hydro in any such leased property is evidenced by the leases described in the Disclosure Schedule, true copies of which have been previously furnished to the Purchaser; there will be no default or basis for termination under any of said leases as a result of the transactions provided for in this Agreement, subject to obtaining any consents required thereunder; none of said leases is in default, no event has occurred, nor does any condition exist which, with the passage of time or otherwise, would constitute a default and no dispute exists between Hydro and other parties to such leases or owners of such leased property, other than negotiations relating to rent renewals;
- (e) To the best of Hydro's knowledge, with respect to all such Assets that consist of rights under agreements from third parties (including Gas Rights of Way, Common Rights of Way, Third Party Interests, Contracts, Gas Supply Contracts, Leased Machinery and Equipment and Municipal Agreements):
 - (i) there exists no default or basis for termination;
 - (ii) all obligations of both parties have been fully performed as required; and

- (iii) no disputes exist with respect to the agreements between the parties thereto.

6.05 Assumed Working Capital

The Assumed Working Capital meets the standards applied by Hydro in the normal course of the operation of its business.

6.06 Patents, Copyrights and Trade Secrets

All material patents, patent applications, copyrights and trade secrets used in the Business, if any, will be transferred to the Purchaser at Closing.

6.07 Condition of Certain Property

To the best of Hydro's knowledge, and except as set forth in the Disclosure Schedule:

- (a) the Owned Machinery and Equipment and the Leased Machinery and Equipment used, to a material extent, in the operation of the Business are in reasonable operating condition and repair;
- (b) there are no existing material structural defects in the buildings or other improvements on the Owned Real Estate; and
- (c) all such buildings or other improvements and all heating and air conditioning systems, electric wiring, fixtures, ventilation systems, waste disposal and treatment systems, and lighting are in reasonable operating condition and repair.

6.08 Payment of Taxes

Subject to assessment appeal of which the Purchaser has been given notice by Hydro, all property taxes or grants in lieu of taxes assessed pursuant to Section 54 of the Hydro Act with respect to Owned Real Estate, and any social services taxes which have been collected and any interest and penalties due in connection therewith, have been paid to the proper governmental authority.

6.09 Legal Proceedings

Except as set forth in the Disclosure Schedule, there is no legal action or governmental or regulatory proceeding or investigation pending or, to the knowledge of Hydro, threatened against and which affects adversely the Business or the Assets, and Hydro is not subject to any judgment, award, decree or order of any court or regulatory authority which affects adversely the Business or the Assets, other than the permanent injunction ordered by the Supreme Court of British Columbia in the matter of Chastain v. British Columbia Hydro and Power Authority and certain orders under the Utilities Commission Act not listed in the Disclosure Schedule. There is no legal action or governmental proceeding or investigation pending or, to the knowledge of Hydro, threatened against or affecting Hydro that could adversely affect or prevent the consummation of the transactions contemplated hereby, nor is Hydro subject to any order of any court or governmental authority that could adversely affect or prevent the consummation of the transactions contemplated hereby.

6.10 Government Licences and Permits

Set forth in the Disclosure Schedule is a description of each material federal, provincial, local or other governmental, regulatory or official licence, permit or order, other than Crossing Permissions, required for the conduct of the Business by

Hydro together with the name of the government agency or entity or other official licensing body issuing such licence, permit or order.

6.11 Contracts and Obligations

At the Closing Date, Hydro will not, with respect to the Business, be a party to or bound by, and no liability or obligation shall be transferred to the Purchaser hereunder by any written or oral agreement, contract or arrangement, except pursuant to the Assumed Liabilities, the Deficiencies, the agreements attached on Schedules hereto, and obligations resulting from actions taken pursuant to Paragraph 8.05.

6.12 Property

Except for the Deficiencies and the Excluded Assets and as provided in Paragraph 2.05, to the best of Hydro's knowledge, the Assets constitute all of the rights, property and assets tangible and intangible, now used or useful in and for the conduct of the Business in the manner and to the extent presently conducted by Hydro. Except for consents which Hydro may obtain or will obtain under Paragraph 8.05, the Deficiencies and the benefit which Hydro derives from the Hydro Act, in general, and from Section 52 thereof, in particular, to the best of Hydro's knowledge there exists no condition, restriction or reservation affecting title to or the utility of the Assets which would prevent the Purchaser from occupying or utilizing the Assets, or any part thereof, to the same extent that Hydro might continue to do so if the transactions contemplated hereby did not take place. The absence of those Excluded Assets listed in paragraph 1.01(z)(iii) and the Permitted Exceptions will not cause the Business to be operated in a manner different than the manner in which it is presently operated.

6.13 Compliance with Laws

In owning the Assets and carrying on the Business, Hydro has complied with all laws, regulations, orders and rules applicable to Hydro.

6.14 Proceedings

Hydro has received no notice, nor has it any reason to suspect or anticipate, any condemnation or expropriation proceedings adversely affecting any of the Assets or the conduct of the Business.

6.15 Third Party Rights

Except as described in Part E of Disclosure Schedule 8, no third party has the right or option to purchase any of the Assets or the Business.

7.0 REPRESENTATIONS AND WARRANTIES OF THE PURCHASER

The Purchaser represents and warrants to Hydro as follows.

7.01 Corporate Status and Authority

- (a) The Purchaser is a corporation duly organized, validly existing and in good standing under the laws of the Province of British Columbia.
- (b) The Purchaser has the corporate power and authority to execute, deliver and perform this Agreement and all other agreements delivered at Closing and to consummate the transactions contemplated hereby.

7.02 Execution, Delivery and Performance

- (a) The execution and delivery of this Agreement and all other agreements delivered at Closing by the Purchaser and the consummation of the transaction contemplated hereby have been or will be duly authorized by the Purchaser's Board of Directors.
- (b) This Agreement and all other agreements delivered at Closing, upon execution and delivery, will be valid and binding on the Purchaser and will be enforceable in accordance with its terms.
- (c) The execution, delivery and performance of this Agreement and all other agreements delivered at Closing by the Purchaser and the consummation of the transactions contemplated hereby, will not result in a breach or violation by the Purchaser of, or constitute a default by the Purchaser under the Memorandum or Articles of the Purchaser or any judgment, decree, order, governmental permit or licence, agreement, indenture, instrument, statute, rule or regulation to which it is a party or by which it is bound.

8.0 COVENANTS OF HYDRO

Hydro covenants and agrees with the Purchaser as follows.

8.01 Maintenance of Business

Subject to the Hydro Act and in accordance with the Utilities Commission Act, from the date of this Agreement until the Closing Date, Hydro shall, relative to the Business:

- (a) maintain the Owned Machinery and Equipment, the Leased Machinery and Equipment and the Meters in reasonable operating condition and repair;
- (b) use reasonable commercial efforts to preserve the organization of the Business intact and to preserve its goodwill and the goodwill of its licensees, suppliers, customers and others having business relationships with it relating to the Business;
- (c) comply with all leases for Leased Machinery and Equipment and promptly deliver to the Purchaser any notice or demand received in connection with any such lease;
- (d) use reasonable commercial efforts to maintain in full force and effect all Gas Supply Contracts, Third Party Interests and Government Licences and Permits now held by Hydro relating to the Business;
- (e) comply with all statutes, regulations, rules, judgments and orders applicable to Hydro relative to the Business; and
- (f) continue all its business practices, policies, procedures and operations relating to the Business in substantially the same manner as in effect immediately prior to the date of this Agreement including, without limitation, its normal practices relating to the billing collection, writing-down and writing-off of accounts receivables.

8.02 Access to Records

Subject to requirements of confidentiality and any required approvals of third parties, from the date of this

Agreement until the Closing Date, Hydro shall permit the Purchaser and its representatives to examine the Assets at all reasonable times for the sole purpose of reviewing and planning for the acquisition of the Assets and the Business, as contemplated under this Agreement. Hydro shall permit the Purchaser and its representatives to examine and copy forecasts, statistics, books, records, maps, descriptions, agreements and correspondence relating to the Business, other than the Business Information. The Purchaser shall not be permitted access to the minutes of the Board of Directors of Hydro. The Purchaser shall permit each of Hydro and the Rail Purchaser access to those portions of the Business Information as is required by each of Hydro and the Rail Purchaser in the conduct of their operations and to make copies of any and all documents at the expense of the party requesting copies.

8.03 Previous Transactions

From the Effective Date until the date of this Agreement, Hydro has not, with respect to the Business, entered into any transaction, understanding or commitment other than in the ordinary course of business with respect to the Assets or the Business and other than the sale of the Operating Divisions other than the Business.

8.04 Further Transactions

From the date of this Agreement until the Closing Date, Hydro shall not, with respect to the Business, (without the prior written consent of the Purchaser, such consent not to be unreasonably withheld) enter into any transaction, understanding or commitment material to the Business other than in the ordinary course of business with respect to the Assets or the Business except to give effect to this Agreement or to obtain the consents referred to in Paragraph 8.05.

8.05 Required Consents

Hydro shall, at its sole cost and expense, use reasonable commercial efforts to obtain all consents and approvals required by Hydro, other than as provided in Paragraph 3.01, to carry out the transactions contemplated hereby.

8.06 Health and Safety Expenditures

Up to and including the Closing Date, Hydro shall make all necessary expenditures, whether capital or not, required for reasons of health and safety referable to the conduct of the Business or as may be ordered or directed by the Utilities Commission or any other governmental, regulatory or other body having jurisdiction.

8.07 Amended Disclosure Schedule

Hydro shall amend the Disclosure Schedule to show additions and deletions in the ordinary course of business to any items disclosed therein for the period from the Effective Date to the Closing Date.

8.08 Delivery of Amended Disclosure Schedule

As soon as is reasonably practical after the Closing Date, Hydro shall deliver the amended Disclosure Schedule to the Purchaser.

8.09 Third Party Grants

Hydro shall cooperate with and provide reasonable assistance to the Purchaser to obtain the Third Party Grants.

9.0 COVENANTS OF THE PURCHASER

The Purchaser covenants and agrees with Hydro as follows.

9.01 Required Consents

The Purchaser shall cooperate with Hydro in its efforts to obtain the consents and approvals it is required to obtain under Paragraph 8.05.

9.02 Trade Marks and Logo

Other than the Trademarks, the Purchaser shall not use any of Hydro's trade marks, registered or unregistered, in association with the wares or services or other activities of the Business, and shall not use the Logo, Hydro's corporate trade name, British Columbia Hydro and Power Authority, or any variant thereof, in connection with the Business. Within 14 days after receipt of written notice from Hydro, the Purchaser shall remove, or if not immediately feasible, as soon as reasonably practicable thereafter, paint over, decal over or the like, any and all such trade marks, Logo or corporate trade name (or variant thereof) borne by or displayed on or in connection with any of the Assets or otherwise theretofore used by Hydro in connection with the Business. The Purchaser shall immediately deliver up to Hydro all unused stationery, paper, stock, and the like bearing or displaying any such trade marks, Logo or corporate trade name (or variant thereof). The Purchaser shall replace, withdraw, substitute or the like immediately, or where not feasible, as soon as practicable, all copies, pages, sheets, covers, advertisements, and the like bearing or displaying any of such trade marks, Logo or corporate trade name (or variant thereof).

10.0 REGULATORY INDEMNITIES

Hydro will indemnify the Purchaser for any and all monetary losses or damages suffered by the Purchaser, suffered or sustained, not later than October 1, 1991, as a result of:

- (a) a subsequent reduction, for any reason other than a reason based on normal regulatory practices, by the Lieutenant Governor in Council, acting as the Utilities Commission, pursuant to the Privatization Act, of the rate base of the Purchaser previously established on or before the Closing Date by the Lieutenant Governor in Council;
- (b) a failure of the Lieutenant Governor in Council, to make an order under Section 20 of the Privatization Act that the Utilities Commission exercise rights, powers, obligations, duties and functions on behalf of the Lieutenant Governor in Council under Section 67(4) of the Utilities Commission Act with respect to the Purchaser;
- (c) an alteration of an order under Section 20 of the Privatization Act by the Lieutenant Governor in Council for any reason other than a reason based on normal regulatory practices.

11.0 CLOSING

11.01 The Purchaser's Closing Documents

Unless Hydro extends the date of delivery to a date beyond Closing, the Purchaser shall deliver to Hydro at Closing:

- (a) the Note in the form attached hereto as Schedule "E";
- (b) certified copies of the resolution of the Purchaser's Board of Directors authorizing this transaction;
- (c) the executed Hydro Services Agreement in the form attached hereto as Schedule "G";
- (d) the executed Real Property Operating Agreement substantially in the form attached hereto as Schedule "H";
- (e) the executed Research and Development Agreement in the form attached hereto as Schedule "I";
- (f) the executed Burrard Thermal Agreement in the form attached hereto as Schedule "J";
- (g) the executed Revenue Agreement in the form attached hereto as Schedule "K";
- (h) the executed Expense Agreement in the form attached hereto as Schedule "L";
- (i) the executed Vehicle Services Agreement in the form attached hereto as Schedule "M";
- (j) the executed Gas Microwave Agreement in the form attached hereto as Schedule "N";
- (k) the executed Gas Circuit Agreement in the form attached hereto as Schedule "O";
- (l) the executed Gas UHF/VHF Agreement in the form attached hereto as Schedule "P";

- (n) the Legal Opinion of Purchaser's Counsel in the form attached hereto as Schedule "Q";
- (o) the executed agreements assuming and agreeing to perform, pay and discharge the Assumed Liabilities pursuant to Paragraph 4.01;
- (p) the executed Central Park Corridor Licence and the Fraser Valley Corridor Licence in substantially the forms attached hereto as Schedules "B" and "D", the Leases in substantially the form attached hereto as Schedule "F", and all Crossing Permissions, Licences, Granted Right of Way Agreements, and any assignment documents relating to the Real Estate Interests, the Common Rights of Way, the Municipal Agreements and the Gas Supply Contracts reasonably required by Hydro to give effect to this Agreement;
- (q) the executed Employee Services Agreement in the form attached hereto as Schedule "T"; and
- (r) such other documents as are required by this Agreement or as Hydro may reasonably request.

11.02 Hydro's Closing Documents

Unless the Purchaser extends the date of delivery to a date beyond Closing, Hydro shall deliver to the Purchaser at Closing:

- (a) the Orders and Regulations pursuant to Paragraph 3.01;
- (b) any consents required by Paragraph 8.04;
- (c) officer's certificates reasonably satisfactory to the Purchaser certifying that the facts with respect to each

of the matters dealt with in Paragraph 6.0 are as set out therein;

- (d) a receipt duly executed on behalf of Hydro acknowledging receipt of the Note;
- (e) the executed Hydro Services Agreement in the form attached hereto as Schedule "G";
- (f) the executed Real Property Operating Agreement substantially in the form attached hereto as Schedule "H";
- (g) the executed Research and Development Agreement in the form attached hereto as Schedule "I";
- (h) the executed Burrard Thermal Agreement in the form attached hereto as Schedule "J";
- (i) the executed Revenue Agreement in the form attached hereto as Schedule "K";
- (j) the executed Expense Agreement in the form attached hereto as Schedule "L";
- (k) the executed Vehicle Services Agreement in the form attached hereto as Schedule "M";
- (l) the executed Gas Microwave Agreement in the form attached hereto as Schedule "N";
- (m) the executed Gas Circuit Agreement in the form attached hereto as Schedule "O";
- (n) the executed Gas UHF/VHF Agreement in the form attached hereto as Schedule "P";

- (o) the Legal Opinion of Hydro's General Counsel in the form attached hereto as Schedule "Q";
- (p) the executed Central Park Corridor Licence and the Fraser Valley Corridor Licence in substantially the forms attached hereto as Schedules "B" and "D", the Leases in substantially the form attached hereto as Schedule "F", Crossing Permissions, Licences, any Granted Right of Way Agreements and assignment documents relating to the Real Estate Interests, the Municipal Agreements and the Gas Supply Contracts reasonably required by the Purchaser to give effect to this Agreement; and
- (q) the executed Employee Services Agreement, in the form attached hereto as Schedule "T".

11.03 Possession

deleted by Supplementary Agreement

Possession of the following Assets shall be delivered to the Purchaser on the Closing Date: Business Information; Computer Software; Gas Distribution System; Leased Machinery and Equipment; Meters; Owned Machinery and Equipment; Owned Real Estate; Unfinished Construction; and the lands included in Delayed Assets which are to be subdivided and in part transferred to the Purchaser upon completion of the subdivision.

12.0 TERMINATION

If the transactions contemplated by this Agreement are not closed on or before August 31, 1988 through no fault of either Purchaser or Hydro and this Agreement is not extended by the written agreement of the parties hereto, this Agreement shall thereafter be null and void. Each party shall bear its own costs and expenses which they have made relative to the entire

acquisition and sale process from inception to the termination of this Agreement.

13.0 SURVIVAL OF REPRESENTATIONS, WARRANTIES AND COVENANTS

Notwithstanding the Closing, all covenants, indemnities, agreements, representations and warranties contained in this Agreement shall survive the Closing for a period of 24 months from the Closing Date, except Paragraph 2.03, which shall survive the Closing for a period of 48 months from the Closing Date.

14.0 SUCCESSORS AND ASSIGNS

This Agreement shall be binding upon and enure to the benefit of the parties hereto and their respective successors and assigns, but shall not be assignable by either party hereto without the prior written consent of the other party hereto. No assignment of this Agreement shall relieve the assigning party of any obligation or liability hereunder.

15.0 SUBSEQUENT ACTIONS

Each party agrees at any time and from time to time after Closing, upon request of the other party, to do, execute, acknowledge and deliver or cause to be done, executed, acknowledged and delivered all such further acts, deeds, assignments, transfers, conveyances, powers of attorney and assurances as may be required to carry out and give full effect to the intent of this Agreement.

16.0 NOTICES

Any notice or other communication provided for herein or given hereunder to a party hereto shall be in writing and shall be delivered by double registered mail, or in person to the individual listed below:

(a) to the Purchaser:

74280 B.C. Ltd.
c/o Minister of Finance and Corporate Relations
Parliament Building, Victoria

(b) to Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

or such other address with respect to a party as such party shall notify the other in writing as above provided. All notices shall be deemed made upon actual notification or mailing as provided for above, whichever shall occur earlier; provided, however, that notice by mailing shall not be deemed to have been made until delivered.

17.0 COMPLETE AGREEMENT

This Agreement, the Schedules and the Disclosure Schedule contain the complete agreement between the parties hereto with respect to the transactions contemplated hereby and supersede all prior agreements and understandings among the parties with respect to such transactions. There are no restrictions, promises, representations, warranties, covenants, indemnities, or undertakings by the parties other than those expressly set forth in this Agreement, the Schedules and the Disclosure Schedule. This Agreement may be amended, modified or terminated only by written instrument signed by all parties hereto and subject to the requirements of the Privatization Act.

18.0 WAIVER AND OTHER ACTION

The Chairman of the Board and any one director, on behalf of Hydro, and, the President and one director of the

Purchaser, on behalf of the Purchaser, may, on behalf of such parties, but only by a signed document, give any consent, agree to a change in the place, time or date of the Closing, take any action, or waive any inaccuracies in the representations and warranties by the other party and compliance by the other party with any of the covenants and conditions herein.

19.0 TIME

Time shall be of the essence of this Agreement.

20.0 PUBLIC ANNOUNCEMENTS

Hydro and the Purchaser shall mutually issue a press release concerning the purchase and sale of the Business at a time determined by Hydro, and at no other time, and both parties shall co-operate to formulate such announcement which shall be to the mutual benefit of both parties.

21.0 GOVERNING LAW

This Agreement shall be construed and enforced in accordance with the laws of the Province of British Columbia.

22.0 SEVERABILITY

If any term, covenant or condition of this Agreement or application thereof to any person or circumstance will to any extent be invalid, illegal or unenforceable in any respect, the remainder of this Agreement or application of such term, covenant or condition to such person or circumstance other than those as to which it is held invalid, illegal or unenforceable will not be affected thereby and each term, covenant or condition of this Agreement and this Agreement will be valid and legal and will be enforced to the fullest extent permitted by law.

23.0 HEADINGS

The descriptive headings of the paragraphs and subparagraphs hereof are inserted for convenience only and do not constitute a part of this Agreement.

24.0 COUNTERPARTS

This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which shall constitute but one instrument.

25.0 GRAMMATICAL

All necessary changes required to make the provisions of this Agreement apply in the plural sense where necessary will in all instances be construed.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

By: 

74280 B.C. LTD.

By: 


SCHEDULE "C"

**BRITISH COLUMBIA HYDRO AND POWER AUTHORITY
MAINLAND GAS SERVICE**

APPENDIX VII – FINANCIAL STATEMENTS

SEGMENTED FINANCIAL STATEMENTS

FOR THE FIVE YEARS ENDED

MARCH 31, 1987

**BRITISH COLUMBIA HYDRO AND POWER AUTHORITY
MAINLAND GAS SERVICE**

REVIEW ENGAGEMENT REPORT

To the British Columbia Hydro and Power Authority:

We have reviewed the segmented balance sheet of Mainland Gas Service of British Columbia Hydro and Power Authority as at March 31, 1987 and the segmented statements of income and changes in financial position for the year then ended prepared on the bases of allocation set out in Notes 3 and 4. Our review was made in accordance with generally accepted standards for review engagements and accordingly consisted primarily of enquiry and analytical procedures and discussion related to information supplied to us by the Authority.

A review does not constitute an audit and consequently we do not express an audit opinion on these segmented financial statements.

Based on our review, nothing has come to our attention that causes us to believe that these segmented financial statements are not, in all material respects, in accordance with generally accepted accounting principles and on the bases of allocation set out in Notes 3 and 4.

Figures for 1983, 1984, 1985 and 1986 are provided by the Authority for comparative purposes only. We have not performed a review of these comparative amounts.

Deloitte Haskins + Sells

Deloitte Haskins + Sells
Chartered Accountants
Vancouver, British Columbia

February 12, 1988

**BRITISH COLUMBIA HYDRO AND POWER AUTHORITY
MAINLAND GAS SERVICE**

**SEGMENTED BALANCE SHEET
(UNAUDITED)**

		As At March 31				
		1983	1984	1985	1986	1987
		(\$ millions)				
ASSETS						
Fixed Assets (Note 5):						
	Fixed assets	\$430.3	\$463.0	\$500.2	\$526.2	\$521.4
	Less:					
	Accumulated depreciation	73.5	83.6	91.8	101.2	107.2
		356.8	379.4	408.4	425.0	414.2
Current Assets:						
	Accounts receivable (Note 4)	52.5	73.1	98.4	80.4	61.1
	Gas inventory	1.3	2.4	0.6	4.2	4.8
	Materials and supplies	3.6	3.2	2.9	2.4	2.4
		57.4	78.7	101.9	87.0	68.3
Other Assets (Note 6)		14.5	34.2	32.1	2.6	2.6
		\$428.7	\$492.3	\$542.4	\$514.6	\$485.1
LIABILITIES AND CORPORATE INVESTMENT						
Current Liabilities:						
	Accounts payable (Note 4)	\$ 37.5	\$ 49.9	\$ 45.8	\$ 45.1	\$ 37.4
Contributions in Aid of Construction		7.2	7.8	10.6	12.9	14.0
Corporate Investment Account		384.0	434.6	486.0	456.6	433.7
		\$428.7	\$492.3	\$542.4	\$514.6	\$485.1

The notes to the segmented financial statements are an integral part of these statements.

Approved on behalf of British Columbia Hydro and Power Authority


John P. Sheehan
Vice-President, Finance and Administration

**BRITISH COLUMBIA HYDRO AND POWER AUTHORITY
MAINLAND GAS SERVICE**

**SEGMENTED STATEMENT OF INCOME
(UNAUDITED)**

	Years Ended March 31				
	1983	1984	1985	1986	1987
	(\$ millions)				
Revenues	<u>\$330.1</u>	<u>\$358.5</u>	<u>\$412.4</u>	<u>\$420.0</u>	<u>\$381.6</u>
Expenses (Note 3)					
Employee compensation	32.5	31.2	35.7	32.5	32.2
Materials and services	5.6	8.8	10.1	11.7	11.9
Cost of gas	168.4	214.1	266.1	275.0	248.6
Federal gas tax	66.8	30.6	14.7	2.1	—
Grants and taxes	7.5	8.5	8.9	9.4	9.5
Depreciation	10.8	12.2	10.3	11.5	13.1
	<u>291.6</u>	<u>305.4</u>	<u>345.8</u>	<u>342.2</u>	<u>315.3</u>
Operating Income					
Before Finance Charges	38.5	53.1	66.6	77.8	66.3
Finance Charges (Note 3)	<u>31.7</u>	<u>34.4</u>	<u>38.4</u>	<u>47.8</u>	<u>46.7</u>
Operating Income	<u>\$ 6.8</u>	<u>\$ 18.7</u>	<u>\$ 28.2</u>	<u>\$ 30.0</u>	<u>\$ 19.6</u>

The notes to the segmented financial statements are an integral part of these statements.

**BRITISH COLUMBIA HYDRO AND POWER AUTHORITY
MAINLAND GAS SERVICE**

**SEGMENTED STATEMENT OF CHANGES IN FINANCIAL POSITION
(UNAUDITED)**

	Years Ended March 31				
	1983	1984	1985	1986	1987
	(\$ millions)				
Operating Activities					
Operating income before finance charges	\$ 38.5	\$ 53.1	\$ 66.6	\$ 77.8	\$ 66.3
Depreciation	10.8	12.2	10.3	11.5	13.1
Funds Provided by Operating Activity	49.3	65.3	76.9	89.3	79.4
Funds Provided by (Used for) Financing Activities					
Finance charges	(31.7)	(34.4)	(38.4)	(47.8)	(46.7)
Changes in corporate investment account	31.9	31.9	23.2	(59.4)	(13.2)
Funds Used for Investing Activities					
Capital expenditure	(35.4)	(31.6)	(39.7)	(28.0)	(28.4)
Other changes in fixed assets (net)	—	(2.6)	3.2	2.2	(2.1)
Increase (Decrease) in Funds	<u>\$ 14.1</u>	<u>\$ 28.6</u>	<u>\$ 25.2</u>	<u>\$ (43.7)</u>	<u>\$ (11.0)</u>

Funds consist of working capital provided by or used for Mainland Gas.

B.C. Hydro, as a corporation, has provided the funds necessary for the business of Mainland Gas. Corporate assets and liabilities such as temporary investments and debt have not been specifically identified with each service and have not been included in these segmented statements. The working capital position of the service therefore does not reflect these items.

The notes to the segmented financial statements are an integral part of these statements.

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY MAINLAND GAS SERVICE

NOTES TO SEGMENTED FINANCIAL STATEMENTS (UNAUDITED)

NOTE 1 PURPOSE AND BASIS OF SEGMENTED FINANCIAL STATEMENTS

Purpose of Financial Statements

These segmented financial statements have been prepared to provide a statement of income, balance sheet and statement of changes in financial position for the Mainland Gas Service (Mainland Gas), a service of British Columbia Hydro and Power Authority (B.C. Hydro). B.C. Hydro is a Crown Corporation of the Province of British Columbia. The electric and gas services of B.C. Hydro, including rates, are subject to regulation by the British Columbia Utilities Commission (Note 7). The accounting policies of B.C. Hydro conform to accounting principles generally accepted in Canada.

Audited financial statements of B.C. Hydro as a corporation have been previously issued for the year ended March 31, 1987.

B.C. Hydro's financial statements to March 31, 1987 included certain segmented information regarding its three principal services as Note 14 to those financial statements. The Gas service in this note included both Mainland Gas and the Victoria Gas Service of B.C. Hydro. It included a statement of income, identifiable assets and fixed assets expenditures by service segment.

These segmented statements differ from the segmented information included as part of the audited financial statements by the inclusion of B.C. Hydro's use of gas in revenue, the inclusion of service vehicle costs in materials and services, the exclusion of Victoria Gas operations and the exclusion of the extraordinary item for the write-off of Vancouver Island pipeline development costs of \$29.3 million.

Basis of Financial Statements

Revenue and many expenses for Mainland Gas are directly attributable to Mainland Gas. However, certain expenses common to the three principal services are incurred in other corporate organizational units of B.C. Hydro and are allocated to each service as part of the internal management reporting. The nature and extent of these expenses is explained in Note 3. Similarly most assets and liabilities, except specific service fixed assets, are accounted for at the corporate level and are not routinely allocated for internal purposes. For the purposes of these segmented financial statements allocations have been made between services where considered appropriate. The bases used for these allocations are explained in Note 4.

Other Factors

These segmented financial statements are prepared on the basis of the existing cost allocation system at B.C. Hydro. They do not consider the costs that may or may not be incurred if each service were a separate legal and operating entity. In this instance the costs incurred by each service would be different.

NOTE 2 SIGNIFICANT ACCOUNTING POLICIES

Revenues

Revenues represent sales of gas to customers in the greater Vancouver and Fraser Valley areas of British Columbia. Customers are billed on a cyclical basis for deliveries of gas based on actual meter readings. Billings usually are on a monthly or bi-monthly basis. Unbilled deliveries are accrued at the end of each fiscal period and included as revenues.

Fixed Assets

Fixed assets in service consist principally of land, buildings, transmission and distribution mains, equipment and other property used for the distribution and storage of gas.

Fixed assets are carried at cost which includes material, direct labour and appropriate capitalized portions of engineering, administration and finance charges. Finance charges for Mainland Gas are capitalized at rates equivalent to the cost of borrowing those funds expended on capital projects during each year of construction.

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY MAINLAND GAS SERVICE

(UNAUDITED)

Depreciation

The depreciation policy of B.C. Hydro is to charge the original cost of fixed assets to income over the estimated service lives of the assets. Depreciation is provided on all depreciable assets in service as at the beginning of each year and is computed using the straight line method.

Gas Inventory, Materials and Supplies

Gas inventory, materials and supplies are valued at average cost, less reductions for declines in value.

Contributions in Aid of Construction

Contributions in aid of construction are amortized over the estimated service lives of the related assets, and the credit resulting therefrom is offset against the corresponding provision for depreciation.

Corporate Investment Account

This account represents the net investment of B.C. Hydro in Mainland Gas. Corporate assets and liabilities such as temporary investments and debt have not been specifically identified with each service and have not been included in these segmented statements. The working capital position of the service therefore does not reflect these items.

NOTE 3 ALLOCATION OF REVENUES AND EXPENSES

Revenues

Revenues are specifically credited to the appropriate service by B.C. Hydro and represent revenue from the sale of gas including connection charges, late payment interest or similar sources of income.

Expenses

Expenses are charged directly to a service wherever possible. Corporate expenses are allocated to each service. The allocation method used generally follows the full absorption approach whereby all costs are allocated to a service. Each cost responsibility centre allocates its costs to services, between operating and capital, normally based on the amount of time spent by employees, the number of transactions processed or the costs incurred for a service.

Allocated operating expenses included in employee compensation and material and services for Mainland Gas are:

	Years Ended March 31				
	1983	1984	1985	1986	1987
	(\$ thousands)				
Corporate costs	\$11,738	\$11,832	\$10,281	\$10,546	\$ 9,175
Electric service	5,657	4,713	5,501	5,323	5,035
	<u>\$17,395</u>	<u>\$16,545</u>	<u>\$15,782</u>	<u>\$15,869</u>	<u>\$14,210</u>

Asset related costs, including depreciation and grants and taxes are attributed to each service based on specific identification of assets dedicated to the service. Depreciation and grants and taxes related to corporate fixed assets are allocated amongst the services on the same basis as the operating expenses of the cost centres using these assets.

Asset related costs allocated to Mainland Gas for corporate fixed assets are:

	Years Ended March 31				
	1983	1984	1985	1986	1987
	(\$ thousands)				
Grants and taxes	\$ 360	\$ 407	\$ 500	\$ 416	\$ 360
Depreciation	458	871	463	610	486
	<u>\$ 818</u>	<u>\$1,278</u>	<u>\$ 963</u>	<u>\$1,026</u>	<u>\$ 846</u>

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY MAINLAND GAS SERVICE

(UNAUDITED)

Finance Charges

Finance charges include interest on debt, amortization of foreign exchange gains and losses, and amortization of discounts and issue costs; net of income from sinking fund investments, temporary investments and amounts charged to fixed assets. Finance charges are allocated to each service on the basis of the net book value of fixed assets in service.

Finance charges allocated to Mainland Gas for corporate fixed assets are:

Years Ended March 31				
1983	1984	1985	1986	1987
(\$ thousands)				
\$414	\$403	\$352	\$401	\$420

No recognition has been given to the fact that Mainland Gas would have a different capital structure if it were a separate entity. In particular the existing debt of B.C. Hydro is guaranteed by the Province of British Columbia. A subsequent owner of Mainland Gas will have its own capital structure and finance costs.

NOTE 4 ALLOCATION OF ASSETS AND LIABILITIES

Accounts Receivable

Accounts receivable for Mainland Gas principally represent amounts due from customers for sales of gas. In most instances the customer is also billed for electric service and one account is maintained for the customer. Consequently gas customer receivables have been allocated based on the revenue for the two months prior to the balance sheet date. Unbilled revenues are specifically identified with Mainland Gas. The amounts so determined are:

As at March 31					
	1983	1984	1985	1986	1987
			(\$ thousands)		
Customer receivables	\$32,112	\$37,124	\$67,149	\$52,341	\$31,715
Unbilled revenue	19,473	34,198	29,700	26,510	27,469
Miscellaneous receivables	903	1,802	1,560	1,622	1,948
	<u>\$52,488</u>	<u>\$73,124</u>	<u>\$98,409</u>	<u>\$80,473</u>	<u>\$61,132</u>

Gas Inventory

Gas inventory is specifically identified with Mainland Gas.

Materials and Supplies; Other Assets

These assets are specifically identified with Mainland Gas.

Accounts Payable

Accounts payable have generally been specifically identified except for employee related accounts payable which have been allocated based on the number of employees attributed to each service. The amounts so determined are:

As at March 31					
	1983	1984	1985	1986	1987
	(\$ thousands)				
Specific identification	\$18,451	\$24,858	\$32,949	\$30,473	\$24,597
Employee related liabilities	15,723	15,382	10,582	12,255	10,899
Miscellaneous payables	3,369	9,631	2,292	2,366	1,949
	<u>\$37,543</u>	<u>\$49,871</u>	<u>\$45,823</u>	<u>\$45,094</u>	<u>\$37,445</u>

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY MAINLAND GAS SERVICE

(UNAUDITED)

Contribution in Aid of Construction

Contributions by customers to the cost of fixed assets have been specifically identified with Mainland Gas.

NOTE 5 FIXED ASSETS

Fixed assets are generally identified with a specific service. Where fixed assets are shared between services, they are considered to be corporate fixed assets. Such assets include service vehicles, office equipment and land and buildings and have not been included in the fixed assets shown in these statements. Corporate fixed assets with a net book value of \$7.7 million were allocated to Mainland Gas for the purposes of determining finance and asset related costs of \$1.3 million for fiscal 1987. Corporate service vehicle assets with a net book value of \$4.2 million were allocated to determine the expenses for service vehicles utilized. These expenses are included in materials and services in the Statement of Income.

	As at March 31						
	1983	1984	1985	1986	1987		
	Net Fixed Assets				Cost	Accum. Depr.	Net
	(\$ millions)						
Mains	\$165.5	\$168.1	\$172.0	\$177.2	\$236.7	\$ 51.4	\$185.3
Services	94.7	102.0	112.0	123.9	143.8	10.5	133.3
Meters	51.8	52.8	54.1	53.7	78.9	22.0	56.9
Storage	3.5	4.9	15.1	15.9	20.2	4.8	15.4
Stations	8.7	8.6	8.9	8.6	12.6	4.2	8.4
Land and buildings	6.4	6.3	6.2	6.4	8.4	2.1	6.3
Vancouver Island pipeline project ¹	15.5	21.3	28.5	28.6	-	-	-
Other	10.7	15.4	11.6	10.7	20.8	12.2	8.6
	<u>\$356.8</u>	<u>\$379.4</u>	<u>\$408.4</u>	<u>\$425.0</u>	<u>\$521.4</u>	<u>\$107.2</u>	<u>\$414.2</u>

¹ As a result of continued deferment of the commencement of the Vancouver Island gas pipeline project, the aging of information, and uncertainty as to B.C. Hydro's role in the project, the balance of project expenditures were charged off as an extraordinary item in the 1987 financial statements. This extraordinary item has not been reflected in these segmented financial statements.

Depreciation

Composite depreciation rates for each year are:

Years Ended March 31				
1983	1984	1985	1986	1987
<u>2.44%</u>	<u>2.39%</u>	<u>2.37%</u>	<u>2.42%</u>	<u>2.63%</u>

NOTE 6 OTHER ASSETS

Other assets for 1987, 1986 and \$1.6 million of the 1985 amount represent loans made to customers in connection with conversions to natural gas.

The amounts for 1983, 1984 and \$30.5 million of the 1985 amount represent payments made for gas purchased but not taken. B.C. Hydro purchased gas with a "take or pay" provision requiring payment for minimum quantities whether taken or not. By March 31, 1986 B.C. Hydro had recovered all amounts previously paid for gas purchased but not taken. As a result of these recoveries the cost of gas purchased in 1986 was reduced by \$13.6 million and in 1985 by \$4.6 million due to gas paid for at lower prices in prior years.

**BRITISH COLUMBIA HYDRO AND POWER AUTHORITY
MAINLAND GAS SERVICE**

(UNAUDITED)

NOTE 7 INTERIM RATE INCREASE

Effective November 1, 1986, the British Columbia Utilities Commission approved a gas rate decrease which was due to reductions in the cost of gas purchased for resale. Concurrently, a 3.6% interim gas rate increase was implemented to compensate B.C. Hydro for increases in other expenses. Revenue derived from the interim rate increase for the period November 1, 1986 to March 31, 1987 amounted to approximately \$7 million and is subject to refund with interest, in whole or in part, if so ordered by the Commission. The net result was a reduction in gas rates of 4.8% for residential and general customers and 28% for interruptible customers.

NOTE 8 PENSION PLANS

Employees of B.C. Hydro, including Mainland Gas, are covered under contributory pension plans. The pension costs for Mainland Gas are included in employee compensation. Information regarding these plans is included in Note 11 to the audited financial statements of B.C. Hydro for the year ended March 31, 1987.

NOTE 9 NORMALIZED 1987 SEGMENTED STATEMENT OF INCOME

If revenues for the year ended March 31, 1987 were based on normalized weather conditions using the "30 year Standard Normals" taken from Canadian Climate Normals, Volume 4 as published by the Canadian Climate Program, then revenues would have increased by \$15.3 million to \$396.9 million, cost of gas by \$10.3 to \$258.9 million and operating income by \$5.0 million to \$24.6 million.

PAZ

SUPPLEMENTAL ASSET TRANSFER AGREEMENT
[Mainland Gas]

THIS SUPPLEMENTAL AGREEMENT made as of the 29th day of September, 1988;

BETWEEN:

BRITISH COLUMBIA HYDRO & POWER AUTHORITY, a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro & Power Authority Act, R.S.B.C. 1979, c.188, as amended

("Hydro")

OF THE FIRST PART

AND:

B.C. GAS INC. (formerly called 74280 B.C. Ltd.), a body corporate under the laws of the Province of British Columbia

("Purchaser")

OF THE SECOND PART

WHEREAS:

A. By an agreement (the "Asset Transfer Agreement") entered into as of the 15th day of July, 1988, Hydro agreed to sell and the Purchaser agreed to purchase all of the rights, property and assets of the Business (as therein defined), upon the terms and conditions contained therein; and

B. The parties have agreed to amend and supplement the Asset Transfer Agreement as herein provided.

NOW THEREFORE THIS AGREEMENT WITNESSETH that in consideration of the sum of ONE DOLLAR (\$1.00) and other good and valuable consideration (receipt and sufficiency of which is hereby acknowledged by each party) the parties hereto covenant and agree as follows:

1. The Asset Transfer Agreement is hereby amended by:

- (A) deleting paragraph 1.01(f) and substituting the following:

"(f) "Assumed Current Assets" means the rights, property and assets of the Business owned, leased or otherwise used by Hydro as of the Closing Date, all as listed as such in the Disclosure Schedule, including the Gas Inventory and the Unbilled Revenue which shall not include the Excluded Current Assets."

- (B) deleting paragraph 1.01(t) and substituting the following:

"(t) "Contracts" means the contracts and agreements relating to the Business, as listed in the Disclosure Schedule."

- (C) adding to paragraph 1.01(h)(i) between the Owned Real Estate and Shared Real Estate:

"Permitted Exceptions,"

- (D) deleting paragraph 1.01(tt);

- (E) deleting Computer Software from the third line of paragraph 11.03;

- (F) adding the following to the definitions contained in Section 1.01 of the Asset Transfer Agreement:

"'Tax Agreement' means that agreement to be entered into among Hydro, the Purchaser, Inland Natural Gas Co. Ltd. and Her Majesty the Queen in Right of the Province of British Columbia to be dated as of September 30, 1988 relating to the

manner of paying the taxes under Section 5.01(d) hereof;

"Tax Paid" shall have the meaning as specified in the Tax Agreement;"

- (G) deleting Section 5.02(b) and substituting the following in its place:

"(b) as to the amount in 5.01(d), to be paid to Hydro at the time of payment of the Post Closing Adjustment less all amounts paid by the Purchaser prior to the payment of the Post Closing Adjustment to the Province for any property purchase tax or social services tax payable in respect of the purchase of any of the Assets from Hydro, and in the event such amounts paid prior to the payment of the Post Closing Adjustment exceed \$5,000,000, the excess shall be deducted from the Financial Consideration; and"

- (H) deleting Section 5.02(c) and substituting the following in its place:

"(c) as to the amount in 5.01(e), to pay to Hydro on or before October 1, 1994: \$44,000,000 less the amount, if any, of the net present value as at October 1, 1988, using a discount rate of 10% per annum of Tax Paid as calculated pursuant to the Tax Agreement, together with interest on that balance from September 30, 1988 to the date of payment at the following rates:

- (i) 10% per annum compounded annually for the period October 1, 1988 to the end of the last fiscal period of the Purchaser ending on or before March 31, 1994; and

- (ii) the Agreed Rate from the end of the last fiscal period of the Purchaser ending on or before March 31, 1994 to the date of the payment;

provided however, that the amount determined hereunder shall never be a negative amount.

For the purposes of the above calculation, if any person has a fiscal year end other than September 30, the Tax Paid in respect of the fiscal year which includes October 1, 1988 (the "Straddle Date") will be proportionately adjusted to include the amount which is based on the number of months in such fiscal year occurring subsequent to the Straddle Date.";

- (I) deleting Section 10.0 and substituting the following in its place:

"10.0 REGULATORY AND INDEMNITIES

Subject to the Financial Administration Act S.B.C. 1981, c.15, as amended, and the Hydro and Power Authority Act R.S.B.C. 1979, c.188, as amended and the regulations thereunder, Hydro will indemnify the Purchaser from any and all monetary losses or damages suffered by the Purchaser,

- (a) suffered or sustained as a result of a subsequent reduction, for any reason other than at the request of the Purchaser of the rate base of the Purchaser ascertained and declared as of July 16, 1988 by the B.C. Gas Inc. Order of the Lieutenant Governor in Council acting as the British Columbia Utilities Commission under the Privatization

Act, by either: (1) the Lieutenant Governor in Council, acting as the British Columbia Utilities Commission pursuant to the Privatization Act, or (2) the British Columbia Utilities Commission;

- (b) suffered or sustained as a result of any change, for any reason other than at the request of the Purchaser, of any term or provision of the B.C. Gas Inc. Order made on September 30, 1988 by the Lieutenant Governor in Council, acting as the British Columbia Utilities Commission, pursuant to the Privatization Act (the "Regulatory Order");
- (c) suffered or sustained as a result of a failure, refusal or other decision by the Lieutenant Governor in Council, not to approve an increase in the rates of the Purchaser where the increase calculated in accordance with reasonable regulatory practice reflected in a new schedule of rates, properly filed pursuant to the provisions of the Regulatory Order;
- (d) suffered or sustained as a result of the Utilities Commission, for any reason whatsoever, determining that any revenue earned prior to October 1, 1991 by the Purchaser, under the Additional Burrard Thermal Payment Agreement between Hydro and the Purchaser made as of the 29th day of September, 1988, should be considered as revenue for any year subsequent thereto."

2. Save as amended or modified by the Supplemental Asset Transfer Agreement, the Asset Transfer Agreement shall continue in full force and effect, shall be read and construed, with effect from and after the date hereof, as though the amended Asset Transfer Agreement effected by this Supplemental Asset

Transfer Agreement were incorporated in the Asset Transfer Agreement at the time of execution of this Supplemental Asset Transfer Agreement.

3. This Supplemental Asset Transfer Agreement shall enure to the benefit of and be binding upon each of the parties hereto and their respective successors and assigns.

4. This Supplemental Asset Transfer Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, and all of which together shall constitute one and the same document.

IN WITNESS WHEREOF the parties hereto have executed this Agreement as of the day and year first above written.

The common seal of BRITISH COLUMBIA HYDRO & POWER AUTHORITY was hereunto affixed in the presence of:

Authorized Signatory

C/S

THE common seal of B.C. GAS
INC. was hereunto affixed in
the presence of:

Authorized Signatory

C/S

This is page 6 of the Supplemental Asset Transfer Agreement made as of the 30th day of September, 1988, between British Columbia Hydro & Power Authority and B.C. Gas Inc. (formerly 74280 B.C. Ltd.)

DATED: September 29, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO & POWER
AUTHORITY

OF THE FIRST PART

AND:

B.C. GAS INC.

OF THE SECOND PART

SUPPLEMENTAL ASSET TRANSFER
AGREEMENT

EJH/ja #00019-233

FARRIS, VAUGHAN, WILLS & MURPHY

BARRISTERS & SOLICITORS

26TH FLOOR, TORONTO DOMINION BANK TOWER
700 WEST GEORGIA STREET
VANCOUVER, B.C. V7Y 1B3

AMENDED

SCHEDULE "A"

to

ASSET TRANSFER AGREEMENT
[Mainland Gas]

THIS AGREEMENT entered into as of the 15th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, c. 188, as amended

AND:

74280 B.C. LTD., a body corporate under the laws of the Province of British Columbia

APPROVED BY:

BRITISH COLUMBIA HYDRO AND POWER
AUTHORITY

Per: 

L. I. Bell

INLAND NATURAL GAS CO. INC.

Per: 

DISCLOSURE SCHEDULE

I N D E X

1. Assumed Current Assets.
2. Assumed Current Liabilities.
3. Computer Software.
4. Common Rights of Way.
5. Contracts.
6. Crossing Permissions.
7. Deficiencies.
8. Delayed Assets.
9. Excluded Assets.
10. Excluded Current Assets.
11. Excluded Current Liabilities.
12. Gas Distribution System.
13. Gas Supply Contracts.
14. Gas Rights of Way.
15. Government Licences and Permits.
16. Granted Right of Way Agreements.
17. Leases.
18. Leased Machinery and Equipment.
19. Licences.
20. Logo.
21. Meters.
22. Municipal Agreements.
23. Owned Machinery and Equipment.

- 24. Owned Real Estate.
- 25. Permitted Exceptions.
- 26. Third Party Interests.
- 27. Third Party Grants.
- 28. Trademarks.
- 29. Unfinished Construction.
- 30. Vehicles.
- 31. Outstanding Legal Proceedings (referred to in paragraph 6.09).
- 32. Subsequent Assets.

AMENDED

DISCLOSURE SCHEDULE 1

(MAINLAND GAS)

ASSUMED CURRENT ASSETS

<u>Account #</u>	<u>Description</u>
CURRENT ASSETS	
ACCOUNTS RECEIVABLE	
122	Unbilled gas receivables
768	BCUC Fees Recoverable
GAS INVENTORY	
211	Linepack gas inventory
208	Odorant gas - Metro gas-Huntingdon
211	Liquified natural gas - Tilbury Island
772	Natural gas - Washington
PREPAID EXPENSES	
1470	Prepaid grants and school taxes

AMENDED

DISCLOSURE SCHEDULE 2

(MAINLAND GAS)

ASSUMED CURRENT LIABILITIES

<u>Account #</u>	<u>Description</u>
1230	Gas purchased liability
1231	Gas Storage Charge
1232	Gas Storage Charge Exchange Premium
1478	Property and Equipment Lease Obligations.

**AMENDED
DISCLOSURE SCHEDULE 3
[Mainland Gas]**

COMPUTER SOFTWARE

"As described in Part I of Disclosure Schedule 8."

AMENDED

DISCLOSURE SCHEDULE 4
[Mainland Gas]

COMMON RIGHTS OF WAY

BVRNW

VANCOUVER LAND TITLE OFFICE

CHARGE NUMBERS

- 1) A43659
- 2) A48817
- 3) B15992
- 4) B52581
- 5) B75649
- 6) B80019
- 7) C13146
- 8) C18453
- 9) C2576
- 10) C27765
- 11) C4511
- 12) C4673
- 13) C59543
- 14) C68163
- 15) C70891
- 16) D39619
- 17) E65763
- 18) F44350
- 19) F44351
- 20) F84006

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

VANCOUVER LAND TITLE OFFICE

CHARGE NUMBERS

21) F90559

22) 6B13824

23) 6B16420

24) 6B18987

25) 6B22148

26) 6B22149

27) 6B22150

28) 6B22151

29) 6B22152

30) 6B22153

31) 6B22154

32) 6B22155

33) 6B22156

34) 6B22157

35) 6B22158

36) 6B22159

37) 6B22160

38) 6B22161

39) 6B24112

40) 6B24113

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

VANCOUVER LAND TITLE OFFICE

CHARGE NUMBERS

41) 658661

42) H106592

43) H16975

44) H2243

45) H23849

46) H26580

47) H2952

48) H42822

49) H78190

50) J75513

51) J84760

52) K13620

53) K27040

54) K27041

55) K48520

56) K55110

57) L33863

58) L77763

59) L93387

60) M1620

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04
MAINLAND GAS
COMMON RIGHTS OF WAY VANCOUVER LAND TITLE OFFICE

CHARGE NUMBERS

61) M61750

62) M71165

63) M76929

64) N12331

65) N16121

66) N58033

67) P11838

68) P25862

69) P56843

70) P66805

71) R104172

72) R28041

73) R28042

74) R87469

75) R87471

76) R92654

77) R92655

78) R97824

79) U42531

80) 117500M

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

VANCOUVER LAND TITLE OFFICE

CHARGE NUMBERS

81) 321330M

82) 322240M

83) 334785M

84) 341399M

85) 345619M

86) 362711M

87) 371292M

88) 391303M

89) 394099M

90) 395017M

91) 406480M

92) 411738M

93) 428374M

94) 430935M

95) 446294M

96) 446295M

97) 471122M

98) 478140M

99) 483948M

100) 488247M

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04
MAINLAND GAS
COMMON RIGHTS OF WAY

VANCOUVER LAND TITLE OFFICE

CHARGE NUMBERS

101) 504182M

102) 504978M

103) 508932M

104) 509487M

105) 510881M

106) 518302M

107) 530550M

108) 530551M

109) 535171M

110) 540499M

111) 540500M

112) 557155M

113) 559126M

114) 560698M

115) AA1009

116) AA101449

117) AA101451

118) AA101463

119) AA101470

120) AA10512

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04
MAINLAND GAS
COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

121) AA113733
122) AA118944
123) AA122037
124) AA124657
125) AA130232
126) AA136912
127) AA150792
128) AA154060
129) AA154214
130) AA154215
131) AA163558
132) AA17002
133) AA17004
134) AA172061
135) AA172068
136) AA172076
137) AA172078
138) AA172740
139) AA172741
140) AA172742

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

141) AA172743

142) AA172744

143) AA172745

144) AA177083

145) AA177085

146) AA180473

147) AA187702

148) AA190020

149) AA190030

150) AA190036

151) AA190038

152) AA190044

153) AA195975

154) AA199907

155) AA202448

156) AA203062

157) AA203063

158) AA203064

159) AA203066

160) AA203092

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04
MAINLAND GAS
COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

161) AA203095

162) AA203097

163) AA209894

164) AA210253

165) AA210276

166) AA210835

167) AA210975

168) AA211615

169) AA211617

170) AA211626

171) AA211631

172) AA211650

173) AA216900

174) AA217849

175) AA218511

176) AA218520

177) AA218524

178) AA218526

179) AA218535

180) AA218537

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

181) AA21895

182) AA22022

183) AA22024

184) AA22033

185) AA22051

186) AA220522

187) AA220524

188) AA220529

189) AA22056

190) AA221122

191) AA222353

192) AA225299

193) AA225305

194) AA225307

195) AA225309

196) AA225311

197) AA225320

198) AA225322

199) AA225334

200) AA235311

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

201) AA240489

202) AA248009

203) AA248708

204) AA49700

205) AA49701

206) AA50182

207) AA50186

208) AA50194

209) AA50196

210) AA50198

211) AA50489

212) AA53813

213) AA53881

214) AA68002

215) AA68005

216) AA69333

217) AA69337

218) AA69353

219) AA75188

220) AA82850

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

221) AA82852

222) AA82869

223) AA82871

224) AA82876

225) AA82878

226) AA88512

227) AA90740

228) AA90750

229) AA90756

230) AA90758

231) AA90770

232) AA992

233) AB14241

234) AB24726

235) AB24751

236) AB24753

237) AB24756

238) AB24758

239) AB32559

240) AB34660

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

241) AB34662

242) AB34664

243) AB34666

244) AB34692

245) AB34694

246) AB34696

247) AB35035

248) AB38431

249) AB40692

250) AB42643

251) AB75973

252) AB82163

253) AB86687

254) A26156

255) A26493

256) A26494

257) A33711

258) A5293

259) A55139

260) A56269

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

261) A57770

262) A57773

263) A57779

264) A57782

265) A6248

266) BY101865

267) BY118486

268) BY119620

269) BY126167

270) BY138053

271) BY16043

272) BY166886

273) BY170025

274) BY206120

275) BY22140

276) BY33395

277) BY36262

278) BY53944

279) BY55291

280) BY59952

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

281) BY79611

282) BY81855

283) BY8724

284) B21293

285) B30220

286) B33920

287) B34254

288) B4175961

289) B42626

290) B4409

291) B44650

292) B46098

293) B50667

294) B50669

295) C24042

296) C33027

297) C48599

298) C73142

299) C73144

300) D16503

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

301) D19464

302) D40114

303) D53671

304) D57033

305) D5721

306) D62980

307) D67241

308) D67245

309) D67476

310) D68360

311) D69019

312) D69022

313) D69025

314) D7760

315) D7761

316) D78411

317) D81366

318) D9415

319) E29984

320) E35473

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

321) E36986

322) E45155

323) E45250

324) E48286

325) E48288

326) E48555

327) E51220

328) E66177

329) E69011

330) E73131

331) F1455

332) F23154

333) F25492

334) F2929

335) F39057

336) F39058

337) F49697

338) F54135

339) G111362

340) G25276

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

341) 627868

342) 63523

343) 638540

344) 638541

345) 639951

346) 668604

347) 669638

348) 670902

349) 698328

350) H12467

351) H20884

352) H29264

353) H3491

354) H42178

355) H43666

356) H80020

357) H88344

358) J100398

359) J106116

360) J108205

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

361) J114986

362) J152396

363) J23602

364) J54444

365) K100210

366) K117050

367) K1476

368) K15889

369) K30222

370) K32604

371) K32887

372) K51749

373) K51750

374) K86180

375) L1573

376) L25857

377) L41977

378) L4233

379) L46760

380) L66887

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

381) M52580

382) M71152

383) N101558

384) N56687

385) N94152

386) N9650

387) P115726

388) P57222

389) P57477

390) P84014A

391) P86071

392) P91923

393) RD114

394) RD123855

395) RD140748

396) RD146414

397) RD149312

398) RD151377

399) RD151380

400) RD151383

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04
MAINLAND GAS
COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

401) RD153261
402) RD155992
403) RD156795
404) RD158801
405) RD159754
406) RD160204
407) RD160470
408) RD160810
409) RD162851
410) RD168991
411) RD175828
412) RD188503
413) RD192437
414) RD193343
415) RD193369
416) RD195149
417) RD195155
418) RD198134
419) RD203771
420) RD205627

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

421) RD206408

422) RD207239

423) RD42144

424) RD4583

425) RD54377

426) RD5678

427) RD747

428) RD76877

429) R128643

430) R44854

431) R47260

432) R70128

433) R70129

434) R7113

435) R87373

436) S121102

437) S12923

438) S44344

439) S53488

440) T106206

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

441) T120729

442) T41576

443) T58036

444) T82479

445) T85544

446) T86293

447) T89693

448) T92955

449) T93152

450) T99917

451) U108308

452) U116508

453) U1530

454) U22439

455) U26900

456) U28195

457) U42531

458) U51132

459) U53474

460) U77527

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04
MAINLAND GAS
COMMON RIGHTS OF WAY NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

- 461) U79811
- 462) U80086
- 463) W114419
- 464) W116217
- 465) W120071
- 466) W121639
- 467) W124797
- 468) W125068
- 469) W136695
- 470) W144332
- 471) W152992
- 472) W169038
- 473) W19960
- 474) W19961
- 475) W31191
- 476) W31193
- 477) W31194
- 478) W31195
- 479) W3805
- 480) W40887

DISCLOSURE SCHEDULE 04
MAINLAND GAS
COMMON RIGHTS OF WAY NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

- 481) W45203
- 482) W65675
- 483) W85732
- 484) W99445
- 485) X135852
- 486) X135928
- 487) X135931
- 488) X25198
- 489) X28324
- 490) X45316
- 491) X54446
- 492) X54447
- 493) X58360
- 494) X71698
- 495) X72081
- 496) X75352
- 497) X77867
- 498) X80948
- 499) X89189
- 500) Y113003

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

501) Y113023

502) Y113043

503) Y116313

504) Y116315

505) Y116322

506) Y116330

507) Y116332

508) Y116338

509) Y116354

510) Y116358

511) Y116369

512) Y116400

513) Y118390

514) Y118642

515) Y129579

516) Y133347

517) Y134345

518) Y135970

519) Y135975

520) Y135980

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

521) Y136003

522) Y136005

523) Y136120

524) Y140957

525) Y142418

526) Y145790

527) Y146571

528) Y148140

529) Y148934

530) Y148971

531) Y148974

532) Y148976

533) Y149697

534) Y153152

535) Y155887

536) Y158046

537) Y168392

538) Y170447

539) Y173032

540) Y173034

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

541) Y173052

542) Y173066

543) Y174770

544) Y186559

545) Y190818

546) Y190820

547) Y196977

548) Y198674

549) Y204712

550) Y204720

551) Y204722

552) Y204724

553) Y204726

554) Y204736

555) Y204741

556) Y32251

557) Y34580

558) Y34584

559) Y34586

560) Y34588

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

561) Y34592

562) Y37466

563) Y40885

564) Y40888

565) Y40890

566) Y40904

567) Y40917

568) Y41197

569) Y46202

570) Y55271

571) Y55877

572) Y56418

573) Y56420

574) Y56430

575) Y56452

576) Y56473

577) Y56476

578) Y56478

579) Y69871

580) Y69876

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

581) Y69902

582) Y69904

583) Y70244

584) Y72956

585) Y75659

586) Y75662

587) Y79004

588) Y80846

589) Y80876

590) Y82391

591) Y82398

592) Y82405

593) Y82411

594) Y87512

595) Y8775

596) Y8778

597) Y89041

598) Y89045

599) Y89047

600) Y89066

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

601) Y89068

602) Y89108

603) Y89120

604) Y95142

605) Y97400

606) Z103968

607) Z103970

608) Z103972

609) Z103974

610) Z103980

611) Z103982

612) Z103990

613) Z103992

614) Z103998

615) Z104005

616) Z104007

617) Z104014

618) Z104016

619) Z104023

620) Z104025

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

621) Z104048

622) Z104055

623) Z104057

624) Z104060

625) Z104062

626) Z104064

627) Z104066

628) Z104068

629) Z104070

630) Z104072

631) Z104091

632) Z104110

633) Z104117

634) Z104124

635) Z104141

636) Z104146

637) Z104148

638) Z104159

639) Z112570

640) Z115862

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04
MAINLAND GAS
COMMON RIGHTS OF WAY NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

- 641) Z131013
- 642) Z148313
- 643) Z148314
- 644) Z148315
- 645) Z148316
- 646) Z148317
- 647) Z148318
- 648) Z148319
- 649) Z148320
- 650) Z149056
- 651) Z149062
- 652) Z149064
- 653) Z149066
- 654) Z149068
- 655) Z149070
- 656) Z151898
- 657) Z153178
- 658) Z154773
- 659) Z155575
- 660) Z155587

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

661) Z155589

662) Z155631

663) Z155636

664) Z155642

665) Z155644

666) Z158921

667) Z162745

668) Z166850

669) Z166852

670) Z166854

671) Z166856

672) Z166858

673) Z166874

674) Z166879

675) Z166881

676) Z166883

677) Z166909

678) Z166911

679) Z166948

680) Z167132

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

681) Z168561

682) Z168623

683) Z168627

684) Z173394

685) Z177039

686) Z178869

687) Z184710

688) Z186288

689) Z193034

690) Z193036

691) Z19375

692) Z19400

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694) Z19436

695) Z19440

696) Z19442

697) Z19444

698) Z199065

699) Z202725

700) Z202727

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

701) Z203694

702) Z20590

703) Z214291

704) Z214320

705) Z214324

706) Z222418

707) Z223232

708) Z223250

709) Z26525

710) Z26527

711) Z28709

712) Z2959

713) Z30204

714) Z30811

715) Z30813

716) Z30820

717) Z30822

718) Z30825

719) Z30827

720) Z30832

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS
COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

721) Z30833

722) Z30836

723) Z30841

724) Z30843

725) Z30866

726) Z32961

727) Z32966

728) Z32978

729) Z32982

730) Z32987

731) Z32997

732) Z33008

733) Z33010

734) Z33019

735) Z33026

736) Z33028

737) Z33032

738) Z33034

739) Z33041

740) Z36582

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

741) Z36584

742) Z36591

743) Z36595

744) Z36605

745) Z36612

746) Z36614

747) Z36627

748) Z36629

749) Z36631

750) Z36635

751) Z37839

752) Z37843

753) Z37845

754) Z37847

755) Z37850

756) Z37854

757) Z37858

758) Z37861

759) Z37863

760) Z37881

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

761) Z37883

762) Z37885

763) Z37890

764) Z37892

765) Z37894

766) Z38974

767) Z40204

768) Z40566

769) Z40568

770) Z40577

771) Z40579

772) Z40599

773) Z40601

774) Z40613

775) Z40615

776) Z42241

777) Z42243

778) Z42246

779) Z42248

780) Z42255

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

781) Z42257

782) Z42259

783) Z42267

784) Z42269

785) Z42271

786) Z42277

787) Z42304

788) Z42306

789) Z43710

790) Z43714

791) Z43717

792) Z43730

793) Z43732

794) Z43736

795) Z43747

796) Z43749

797) Z43751

798) Z43753

799) Z43755

800) Z43760

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

801) Z43762

802) Z43787

803) Z43789

804) Z4458

805) Z4463

806) Z4465

807) Z44710

808) Z44712

809) Z44722

810) Z44724

811) Z44726

812) Z44735

813) Z44737

814) Z44742

815) Z44755

816) Z44761

817) Z44773

818) Z44775

819) Z4479

820) Z4496

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

821) Z45721

822) Z48030

823) Z48161

824) Z48168

825) Z48173

826) Z48184

827) Z48186

828) Z48589

829) Z49032

830) Z49786

831) Z49788

832) Z49794

833) Z49796

834) Z49801

835) Z49816

836) Z49851

837) Z49859

838) Z49861

839) Z6093

840) Z6094

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04
MAINLAND GAS
COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

041) Z6095

042) Z62039

043) Z62260

044) Z62309

045) Z62311

046) Z62323

047) Z62329

048) Z62331

049) Z63829

050) Z63882

051) Z64142

052) Z65418

053) Z65431

054) Z65459

055) Z65479

056) Z65481

057) Z68454

058) Z68456

059) Z68522

060) Z68528

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

861) Z68546

862) Z68570

863) Z69829

864) Z69831

865) Z69839

866) Z69869

867) Z69871

868) Z69891

869) Z69920

870) Z72176

871) Z72178

872) Z72195

873) Z72199

874) Z72201

875) Z72240

876) Z72252

877) Z72266

878) Z72305

879) Z72307

880) Z72927

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04
MAINLAND GAS
COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

881) Z73677

882) Z74375

883) Z74429

884) Z74431

885) Z74433

886) Z74463

887) Z74493

888) Z74507

889) Z74516

890) Z765

891) Z7694

892) Z7699

893) Z79704

894) Z79712

895) Z79735

896) Z79748

897) Z79750

898) Z79757

899) Z79759

900) Z79762

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

901) Z80667

902) Z80669

903) Z80698

904) Z80700

905) Z82155

906) Z82177

907) Z82188

908) Z82191

909) Z82193

910) Z82207

911) Z82209

912) Z82239

913) Z82246

914) Z82248

915) Z82254

916) Z82258

917) Z82270

918) Z84313

919) Z85882

920) Z85884

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

921) Z85898

922) Z85914

923) Z85918

924) Z85920

925) Z85926

926) Z85948

927) Z85950

928) Z85952

929) Z85957

930) Z85962

931) Z85971

932) Z85973

933) Z85975

934) Z85977

935) Z85983

936) Z85985

937) Z85987

938) Z85992

939) Z87488

940) Z87500

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

941) Z87502

942) Z87506

943) Z87513

944) Z87516

945) Z87518

946) Z87520

947) Z87734

948) Z87736

949) Z88879

950) Z89283

951) Z89285

952) Z89287

953) Z89296

954) Z89301

955) Z89307

956) Z89327

957) Z89329

958) Z89331

959) Z89345

960) Z89347

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS
COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

961) Z89349

962) Z89351

963) Z89355

964) Z89370

965) Z89371

966) Z89378

967) Z89391

968) Z89393

969) Z89399

970) Z93360

971) Z93362

972) Z93364

973) Z93374

974) Z93377

975) Z93379

976) Z93381

977) Z93383

978) Z93401

979) Z93403

980) Z93407

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

981) Z93410

982) Z93412

983) Z93418

984) Z93420

985) Z93425

986) Z93438

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988) Z94305

989) Z94331

990) Z94339

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992) Z99041

993) Z99044

994) Z99046

995) Z99049

996) Z99051

997) Z99064

998) Z99068

999) Z99078

1000) Z99080

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

1001) 299105

1002) 284713C

1003) 284714C

1004) 295060C

1005) 295108C

1006) 297913C

1007) 298697C

1008) 302772C

1009) 304705C

1010) 304706C

1011) 307519C

1012) 307891C

1013) 309132C

1014) 309256C

1015) 310112C

1016) 317877C

1017) 318908C

1018) 321903C

1019) 327444C

1020) 329927C

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

1021) 336916C

1022) 340057C

1023) 341531C

1024) 341532C

1025) 344165C

1026) 351936C

1027) 353668C

1028) 354292C

1029) 354295C

1030) 354298C

1031) 354301C

1032) 354304C

1033) 354655C

1034) 354919C

1035) 356611C

1036) 356614C

1037) 356617C

1038) 356620C

1039) 356623C

1040) 356777C

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04

MAINLAND GAS

COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

1041) 358486C

1042) 358489C

1043) 358492C

1044) 358710C

1045) 360631C

1046) 362962C

1047) 363691C

1048) 363793C

1049) 364972C

1050) 434590C

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04
MAINLAND GAS
COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

1) AA187991

2) AA248008

3) AA25166

4) AA3747

5) AA45702

6) AA4607

7) AB47054

8) AB47056

9) A11942

10) A51105

11) B18650

12) B22639

13) B40063

14) B42963

15) B56236

16) B56816

17) C24042

18) D8836

19) D889

20) E86941

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04
MAINLAND GAS
COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

21) E86942

22) F13194

23) F41376

24) G108847

25) G29589

26) G70905

27) G84946

28) H38116

29) H60481

30) P96839

31) R32815

32) R49346

33) R61431

34) S110801

35) S121102

36) S143369

37) S144661

38) S149301

39) S20303

40) S39578

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04
MAINLAND GAS
COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

- 41) S41444
- 42) S9064
- 43) S9065
- 44) T115426
- 45) T27268
- 46) T29842
- 47) T35669
- 48) T35670
- 49) T39557
- 50) T42440
- 51) T53339
- 52) T65035
- 53) T70683
- 54) T80032
- 55) U108308
- 56) U3115
- 57) U82762
- 58) W150147
- 59) W158731
- 60) W158734

DISCLOSURE SCHEDULE 04
MAINLAND GAS
COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

61) W158736

62) W2996

63) X101278

64) X108770

65) X122566

66) X130997

67) X164639

68) Y113122

69) Y122937

70) Y2449

71) Y28966

72) Y29486

73) Y37768

74) Y47051

75) Y6826

76) Y73915

77) Y77374

78) Z105911

79) Z109136

80) Z109137

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04
MAINLAND GAS
COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

- 81) Z205137
- 82) Z20778
- 83) Z24113
- 84) Z31269
- 85) Z42623
- 86) Z65420
- 87) Z98427
- 88) 204649C
- 89) 204798C
- 90) 211683C
- 91) 215108C
- 92) 221433C
- 93) 225043C
- 94) 225822C
- 95) 227026C
- 96) 230175C
- 97) 230772C
- 98) 230774C
- 99) 232779C
- 100) 232781C

DISCLOSURE SCHEDULE 04

DISCLOSURE SCHEDULE 04
MAINLAND GAS
COMMON RIGHTS OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

101) 232782C

102) 233283C

103) 233285C

104) 233286C

105) 233287C

106) 233288C

107) 233557C

108) 233931C

109) 234097C

110) 234775C

111) 235467C

112) 235988C

113) 237289C

114) 242237C

115) 244218C

116) 245385C

117) 249341C

118) 252331C

119) 256560C

120) 258201C

DISCLOSURE SCHEDULE 04

AMENDED
DISCLOSURE SCHEDULE 5
[Mainland Gas]

CONTRACTS

1. Rental to cover installation of a gas pipeline, block B, DL 176, Group 1, NWD, Plan 7615. Annual fee \$1.00. Agreement dated August 1, 1959.
2. Annual payment for approximately 350 watts continuous electric power to energize cathodic protection system from line on Colony Farm Road, Coquitlam. Payment of \$125.00 per annum to Minister of Finance, Victoria. Agreement dated June 22.

NGV FUELLING FACILITIES LOANS

Customer	Purpose	(C)Contract Date (E)Expiry Date
Corporation of the District of West Vancouver	Loan to purchase fuelling facilities which will be used to dispense natural gas. Original principal \$208,000. Balance owing at 15/8/88 \$72,212.28.	(C)8/1/85 (E)8/1/90
Hal Holdings Ltd.	Fuelling station compressor loan. Original principal \$200,000. Balance owing at 1/8/88 \$149,028.99. "This agreement shall be binding on and enure to the benefit of HH and B.C. Hydro and their respective representatives, successors and assigns."	(C)30/5/85 (E)30/5/90
Happy Face Ent.	Fuelling station compressor loan. Original principal \$200,000. Balance owing at 1/8/88 \$146,438.60.	(C)1/4/85 (E)1/3/91
Shell Canada	Fuelling station compressor loans for equipment at: 1) Brunette Keylock Shell Service, New Westminster 2) Arbutus Shell Service, Vancouver 3) Westwood Shell Service, Coq.	(C)4/2/85 (E)Annual
Sun-Alyma Ent.	Fuelling station compressor loan for equipment at Cloverdale Chevron. Original principal \$200,000. Balance owing at 1/8/88 \$150,850.71. "This Mortgage shall enure to the benefit of and be binding upon the respective successors and permitted assigns of the parties hereto."	(C)1/10/86 (E)1/9/91

NATURAL GAS FOR VEHICLES (NGV) CONVERSION LOANS

This Government of Canada will provide a contribution of up to \$500.00 to individual and fleet operators for each vehicle converted to NGV or purchased new, with a dedicated NGV system already in place. The balance may be financed with B.C. Hydro at 9% for 24 or 36 months on approved credit. Some of the loan qualification criteria include:

- 1) Applicant must live or operate their vehicle within B.C. Hydro's natural gas service area.
- 2) Applicant has a satisfactory credit rating.

At 29 July 1988 there were 492 existing contracts for commercial loans and 1,187 existing contracts for residential loans.

MISCELLANEOUS NATURAL GAS FOR VEHICLES (NGV) CONTRACTS

Parties	Purpose	(C)Contract Date (E)Expiry Date
John F. Adams	Commitment to provide staff resources and promotion of EM&R Enerdemo diesel project.	(C) (E)
S.A. Addison	Consulting services \$21,000 per year.	(C) (E)as req'd
Canadian Gas Assoc.	CGA NGV R&D contract 200-5.2 regarding Aluminum Pressure Relief Device safety.	(C) (E)
	CGA NGV R&D contract 200-3.2 regarding optimization of Public Fuelling Station Design. Subcontracts to IMW Compressors and B.C. Research.	(C) (E)
J.H. Cann	Consulting services \$75,000 per year.	(C)1/4/87 (E)as req'd
CNG Cylinder Corp.	Trust account re pressure relief valve product recall.	(C) (E)
CNG Fuel Systems	Agreement providing continuity of vehicle conversion warranty to customers in B.C. Hydro gas service area.	(C) (E)
Como Estates Ltd.	Fuelling station compressor lease with option to purchase for John F. Adams diesel project.	(C) (E)
East Chilliwack Cooperatives	Commitment to purchase equipment if sales of NGV do not exceed minimum volumes.	(C) (E)
Glen Magel	Employment contract	(C) (E)10/7/90
B.J. Powers	Consulting services	(C) (E)31/12/88
Province of B.C.	Administration of Federal-Provincial vehicle grant program.	(C) (E)
Sulzer Canada Inc.	Test market program for Sulthane residential fuelling appliance (home compressor).	(C) (E)

GAS FIREPLACE LOANS

For purchase and installation of a natural gas fireplace, B.C. Hydro will finance up to \$750 on approved credit at a standard interest rate. Monthly payment amounts are somewhat flexible depending on the type of fireplace selected, with a maximum repayment period of 24 months. Some of the loan qualification criteria include:

- 1) Applicant must already have gas service.
- 2) Hydro account must be in the applicant's name.
- 3) Applicant is the registered owner of the property.
- 4) Applicant has a satisfactory credit rating.

At 29 July 1988 there were 677 existing contracts for these loans.

COMMERCIAL NATURAL GAS HEATING CONVERSION LOANS

B.C. Hydro will loan funds to assist customers with a conversion to natural gas from another source of heating.

Eligible conversions include:

- 1) Conversion of equipment presently using oil or propane.
- 2) Replacement of equipment presently using oil or propane.
- 3) Addition of companion loads, i.e. incinerators, hot water heating, (Note - must be from oil or propane, if conversion is from electric, it is not eligible).

Some of the loan qualification criteria include:

- 1) Hydro account must be in the applicant's name.
- 2) Applicant is the registered owner of the property.
- 3) Applicant has a satisfactory credit rating.

The amount financed can be up to four times the estimated annual fuel cost savings. The interest rate is 9% per annum calculated monthly on the reducing balance. The term of the loan may be from six months to five years.

At 29 July 1988 there were 19 existing contracts for these loans.

EMPLOYMENT CONTRACTS

The following is a list of Employment contracts, their purpose and expiry date.

Parties -----	Purpose -----	Expiry Date -----
Management and Professional Employees Society of BCH	Collective agreement	30/11/88
International Brotherhood of Electrical Workers (Gas) Local 213	Collective agreement	31/3/89
Office and Technical Employees Union Local 378	Collective agreement	31/3/89

MISCELLANEOUS CONTRACTS

<u>Contract Date</u>	<u>Description</u>	<u>Expiry Date</u>
ABC of Business		
	Traffic control. \$15,000 per year.	30/5/89
Allard Contractors		
	Bulk aggregate supply and delivery. \$65,000 per year.	30/4/89
Allwood Building Maintenance		
	Janitorial Service - Abbotsford.	28/2/91
Alternative Security		
	Patrol guards. \$60,000 per year.	31/3/89
Amstar Service Ltd.		
	Janitorial Service - Roebuck	31/5/90
	Janitorial Service - Albionk	30/6/90
	Janitorial Service - Langley	30/4/90
Archie's Mobile Welding		
1/7/88	Welders. \$7,000 per year.	30/6/89
Argo Building Maintenance		
31/5/88	Janitorial maintenance. \$111,342 yr for 2 years (Metro Gas).	31/5/90
A 1 Flagging		
	Traffic control. \$5,000 per year.	31/5/89
	Traffic control. \$10,000 per year.	30/4/89

Contract Date	Description	Expiry Date
A 1 Trucking		
1/4/88	Dump trucks. \$36,000 per year. 30 days notice to terminate.	31/3/89
A&R Mobile Welding		
	Welders. \$7,000 per year (Metro Gas).	30/6/89
A.S. Mobile Welding		
	Welders. \$5,000 per year (FVG). \$7,000 per year (Metro Gas).	30/9/88 30/6/89
B.A. Blacktop		
	Bulk asphalt supply and delivery. \$62,000 per year.	30/4/89
B. Boucher		
	Welder. \$5,000 per year (FVG). \$7,000 per year (Metro Gas).	30/9/89 30/6/89
B.C. Assessment Authority		
	Assessment roll tape revisions. \$6,000 per year.	31/7/89
B.C. Safety Council		
	Driver training. \$12,000 per year.	as req'd
B.C. Telephone Company		
	Rental agreement. Leasing of land lines for telemetry. \$1,000 per year.	30/6/89
Cemaron Engineering		
	Engineering consultant. \$5,000 per year.	as req'd

<u>Contract Date</u>	<u>Description</u>	<u>Expiry Date</u>
CNCP	Service agreement. Weather data service.	Annual
Coast Testing	Nondestructive testing. \$5,000 per year.	31/1/90
Cobra Electric Limited		
31/3/87	Electrical maintenance. \$80,000 per year.	31/3/89
Columbia Bitulithic		
	Sawcutting asphalt & concrete. \$40,000	31/12/88
	Bulk asphalt (FV West) \$10,000	31/3/89
	Bulk asphalt (FV East) \$2,500	31/3/89
Construction Aggregates		
7/7/80	Bulk aggregate supply and delivery. \$12,000 per year (Metro Gas).	30/4/89
Consumer and Corporate Affairs		
	Inspection of gas meters. \$202,000 per year.	31/12/88
Corporate Telemarketing		
	Telemarketing. \$19,450 per year.	
Coscos Trucking		
	Dump trucks. \$38,000 per year. \$3,000 per month firm. 30 days notice to terminate.	31/3/89

Contract Date	Description	Expiry Date
Cote Welding Limited		
	Welders.	
	\$5,000 per year (FVG).	30/9/89
	\$5,000 per year (Metro Gas).	30/6/89
Nancy Darling		
	Consultant.	
	\$3,600 per year.	31/3/88*
Digital Equipment of Canada Limited		
19/11/84	Maintenance Contracts. SCADA hardware maintenance. Three service contracts.	30/11/88
Dorsett Marketing		
	Promotion.	
	\$40,000 per year.	as req'd
Easy Care Carpet Cleaning		
31/7/87	Carpet cleaning. \$11,000 per year.	31/7/89
	Carpet cleaning. \$1,700 per year.	31/3/90
B. Fair Contracting		
	Mains and Services contractor.	
	\$600,000 per year.	31/7/89
J.A. Francis & Sons Landscaping		
	Landscape Maintenance.	
	\$18,300 per year.	30/11/89
Fraser Janitorial Service		
	Janitorial Service - Langley.	
		30/4/90
Gelco Express		
30/4/87	Mail delivery.	
	\$15,200 per year.	30/4/89

<u>Contract Date</u>	<u>Description</u>	<u>Expiry Date</u>
General Electric		
	Rental agreement. Telephone connection to GE system.	Annual
Gladwell Trucking		
1/4/88	Dump trucks. \$36,000 per year (Metro Gas). 30 days notice to terminate.	31/3/89
Golder & Associates		
	Consultant. \$3,500 per year.	as req'd
Gordon Campbell Ltd.		
	Uniform jackets and pants. \$10,000 per year.	30/9/88 Option to extend.
Hamberlin Soil Supplies Limited		
	Topsoil supply. \$53,000 per year.	30/4/90
Hartley Leighland		
1/4/88	Dump trucks. \$10,000 per year.	31/3/89
Imperial Paving		
	Bulk asphalt. \$10,000 per year.	31/3/89
Island Cleaners and Launderers Limited		
1/1/87	Laundry and drycleaning. \$16,733 per year.	31/8/88
Jack Cewe Ltd.		
	Supply and deliver sand, gravel and aggregate. \$53,000 per year.	30/4/89
	Bulk asphalt supply. \$2,500 per year.	31/3/89

<u>Contract Date</u>	<u>Description</u>	<u>Expiry Date</u>
Jake Dyck		
	Dump trucks. \$10,000 per year.	31/3/89
Jim Wiles Bulldozing		
	Spoil disposal for North Van spoil. \$15,000 per year.	31/10/89
Ken Olsen		
	Welders. \$7,000 per year (Metro Gas).	30/6/89
Kirkpatrick Sand & Gravel		
	Gravel and spoil haul. \$25,000 per year.	31/5/89
K.M. Plant Doctor		
1/3/86	Indoor plant maintenance. \$5,000 per year.	31/3/90
K.W.S. Industries		
	Welders. \$5,000 per year (FVG) \$7,000 per year (Metro Gas).	30/6/89 30/6/89
L.B. Welding Limited		
	Welders. \$5,000 per year (FVG) \$7,000 per year (Metro Gas)	30/6/89 30/6/89
C. Lee		
	Consultant. \$10,000 per year.	as req'd

Contract Date	Description	Expiry Date
	Liquid Carbonic	
	Compressed welding gases.	30/4/89
	\$10,000 per year (Metro Gas).	
	\$2,000 per year (Measurement Services).	
	\$6,000 per year (Technical Support).	
	\$50,000 per year (FVG).	
	\$3,000 per year (LNG).	
	Lumbs Welding Limited	
	Welders.	30/6/89
	\$7,000 per year (Metro Gas).	
	C. Luteyn & Sons Disposal	
	Garbage container - Sardis	31/7/88
	Marmax Topsoil	
	Spoil disposal for Coquitlam spoil.	31/10/89
	\$10,000 per year.	
	Miller & Co.	
	Advertising.	as req'd
	\$167,100 per year.	
	Mud Bay Drilling Co.	
	Consultant.	as req'd
	\$19,100 per year.	
	National Metal	
	Scrap disposal (steel).	31/3/88*
	\$6,000 per year estimated.	
	Scrap disposal (cast iron).	31/3/88*
	\$500 per year estimated.	
	Northern Building Supply Limited	
	Lumber supply.	28/2/89
	\$15,000 per year (Metro Gas).	

Contract Date	Description	Expiry Date
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	Pacific Western Rentals Ltd.	
	Dewatering Equipment Rental. \$12,000 per year.	31/3/89
	Poulin Exterminators	
	Pest control. \$528 per year.	31/3/88*
	R.B. Contracting	
	Casual backhoe. \$10,000 per year.	31/12/88
	Ratch-Wescom Inc.	
	Mobile radio. \$24,000 per year.	30/9/88
	Richmond Landfill	
	Spoil disposal. \$6,000 per year.	31/10/89
	Shaw Pipe Protection Ltd.	
	Protective pipe coating (Blue Jacket) \$56,000 per year.	31/3/89
	G&R Singh & Sons Trucking Ltd.	
	Supply and deliver sand, gravel and aggregate. \$135,000 per year (Metro Gas).	30/4/89
	South Arm Excavating	
	Dump trucks. \$10,000 per year.	31/3/89 Hourly Option
	Stuber Mobile Welding Ltd.	
1/10/87	Welding (FVG). \$5,000 per year.	30/9/88

<u>Contract Date</u>	<u>Description</u>	<u>Expiry Date</u>
	Sun Disposal Corporation	
	Garbage container - Abbotsford	31/7/89
	T. Dahlby Trucking	
	Dump trucks. \$20,000 per year.	31/3/89
	T-Mac Trucking	
1/8/88	Dump trucks. \$36,000 per year. \$2,895 per month firm. 30 days notice to terminate.	31/3/89
	Teleconsult Ltd.	
	Engineering consultant. \$17,000 per year.	19/8/88*
	Tri-Way Disposal Ltd.	
	Garbage container - Albion \$586 per year.	30/6/89
	Unitow	
	Towing.	31/5/89
	Valley Rite-Mix Ltd.	
	Gravel and spoil haul. \$35,000 per year.	31/5/89

*Expired, need to be checked for renewals.

J.A. Cowan Sep 1988

dg9.tso.11b(gas3)

CONTRACTS

All rights and benefits in accordance with the Crossing Permissions as follows subject to the reservation to B.C. Hydro of all rights and benefits to which it may be entitled in respect of any tenure granted over lands owned by B.C. Hydro as provided for therein.

BCHPA

FILE DATE

NUMBER RECEIVED	RECEIVED FROM	TYPE OF UTILITY	LOCATION OF UTILITY
PC 523 25/05/78	ASSOCIATED ENGINEERING	WATER MAIN	GLEN & JOHNSTON
PC 771 06/01/83	ASSOCIATED ENGINEERING	C B LEADS AND ELEC DUCTS	BROADWAY & SPERLING
PC 888 11/03/85	ASSOCIATED ENGINEERING	STORM CONNECTION	BROADWAY & SPERLING
PC 103 30/07/70	B.C. HYDRO	5 ELECTRICAL DUCTS	N. ROAD, BROADWAY & COMO LK.
PC 107 24/08/70	B.C. HYDRO	9-4" TRANS. DUCTS.	13' N. SPL HALIFAX ON GILMORE
PC 109 03/09/70	B.C. HYDRO	9 - 4" DUCTS	171/2S X 41/2W NEC ROBINSON & COMO LK
PC 270 29/10/73	B.C. HYDRO	ELECTRICAL	WESTMINSTER & GRAYBAR
PC 482 05/08/77	B.C. HYDRO	BCHPA DUCT	85 & BLUNDELL
PC 490 12/10/77	B.C. HYDRO	4" ELECT DUCT	COMO LAKE ROAD, NEAR LOUGHEED
PC 516 02/05/78	B.C. HYDRO	ELECT DUCT	COAST MERIDIAN, S OF COQUITLAM
PC 519 24/05/78	B.C. HYDRO	BCHPA DUCT	COAST MERIDIAN & ST ALBERT
PC 520 24/05/78	B.C. HYDRO	ELECT DUCTS	NORTH ROAD & COMO LAKE ROAD
PC 525 27/06/78	B.C. HYDRO	ELECTRICAL DUCTS	37TH & LANARK
PC 527 06/07/78	B.C. HYDRO	ELECTRICAL DUCT	BRIDGE & FRANCIS
PC 558 15/03/79	B.C. HYDRO	BCHPA DUCTS	HASTINGS & KOOTENAY
PC 585 18/07/79	B.C. HYDRO	4" DRAIN	2ND & BOUNDARY
PC 590 19/09/79	B.C. HYDRO	ELECTRICAL DUCT	DYKE RD, N OF HAMILTON
PC 624 23/07/80	B.C. HYDRO	ELECTRICAL DUCTS	SLOCAN & WARD
PC 637 14/01/81	B.C. HYDRO	BCHPA DUCT	UNNAMED RD N OF DUNKIRK AVE & PIPELINE RD, COQUITLAM.
PC 644 21/04/81	B.C. HYDRO	ELECTRICAL DUCTS	PIPELINE RD, 233M S OF PATHAN
PC 652 10/07/81	B.C. HYDRO	ELECTRICAL DUCT	PIPELINE RD S OF OZADA
PC 670 25/08/81	B.C. HYDRO	ELECTRICAL DUCTS	COAST MERIDIAN N OF LOUGHEED
PC 676 30/09/81	B.C. HYDRO	B C H P A DUCT	COMO LAKE RD & SHARPE ST COQ
PC 691 23/11/81	B.C. HYDRO	ELECTRICAL DUCTS	BROADWAY, E OF LAKE CITY WAY
PC 718 26/02/82	B.C. HYDRO	4" ELECTRICAL DUCT	HUNTER ST, E OF MTH HWY. NORTH VANCOUVER
PC 720 05/03/82	B.C. HYDRO	ELECTRICAL DUCT	ELEC. DISTR.
PC 742 28/07/82	B.C. HYDRO	ELECTRICAL DUCT	PIPELINE RD - 91 N S PATHAN AVE., COQUITLAM.
PC 743 28/07/82	B.C. HYDRO	ELECTRICAL DUCTS	13611 MITCHELL RD
PC 755 03/09/82	B.C. HYDRO	ELECTRICAL DUCTS	27TH & MANAIHO
PC 758 22/09/82	B.C. HYDRO	ELECTRICAL DUCTS	FRANCIS RD 188M W OF SHELL
PC 767 16/11/82	B.C. HYDRO	ELECTRICAL DUCTS	GLEN & JOHNSON
PC 772 18/01/83	B.C. HYDRO	ELECTRICAL DUCTS	VANNESS & GLADSTONE
PC 806 09/09/83	B.C. HYDRO	ELECTRICAL DUCT	SHARPE & COMO LAKE
PC 831 01/03/84	B.C. HYDRO	BCHPA ELECTRICAL DUCTS	ORVELL & HUNTER
PC 833 08/03/84	B.C. HYDRO	ELECTRICAL DUCT	GLENN DR & JOHNSTON
PC 836 16/03/84	B.C. HYDRO	ELECTRICAL DUCTS	GLEN & MCCOONB
PC 840 04/04/84	B.C. HYDRO	ELECTRICAL DUCTS	BROADWAY, E OF GAGLARDI
PC 854 06/06/84	B.C. HYDRO	ELECTRICAL DUCTS	PEMBINA & ANNACIS PARKWAY
PC 855 21/06/84	B.C. HYDRO	ELECTRICAL DUCT	SLOCAN, N OF GRANDVIEW
PC 924 29/08/85	B.C. HYDRO	ELECTRICAL DUCT	VANNESS & 24TH
PC1019 14/05/87	B.C. HYDRO	ELECTRICAL DUCTS	L/S 37TH & CARTIER
PC1041 28/09/87	B.C. HYDRO	ELECTRICAL DUCT	RIVER DR & VAN HORNE
PC1057 10/12/87	B.C. HYDRO	ELECTRICAL DUCTS	37TH AVE / MAIN ST
PC 935 24/10/85	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	KEBET, E OF BROADWAY
			13320 RIVER RD

BC HYDRO AND POWER AUTHORITY
METRO GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

BCHPA

FILE NUMBER	DATE RECEIVED	RECEIVED FROM	TYPE OF UTILITY	LOCATION OF UTILITY
PC 523	26/06/78	ASSOCIATED ENGINEERING	WATER MAIN	GLEN & JOHNSTON
PC 771	06/01/83	ASSOCIATED ENGINEERING	C B LEADS AND ELEC DUCTS	BROADWAY & SPERLING
PC 888	11/03/85	ASSOCIATED ENGINEERING	STORM CONNECTION	BROADWAY & SPERLING
PC 103	30/07/70	B.C. HYDRO	5 ELECTRICAL DUCTS	N. ROAD, BROADWAY & COMO LK.
PC 107	24/08/70	B.C. HYDRO	9-4" TRANS. DUCTS.	13' N. SPL HALIFAX ON GILMORE
PC 109	03/09/70	B.C. HYDRO	9 - 4" DUCTS	171/25 X 41/2W NEC ROBINSON & COMO LX
PC 270	29/10/73	B.C. HYDRO	ELECTRICAL	WESTMINSTER & GRAYBAR
PC 482	05/08/77	B.C. HYDRO	BCHPA DUCT	#5 & BLUNDELL
PC 490	12/10/77	B.C. HYDRO	4" ELECT DUCT	COMO LAKE ROAD, NEAR LOUGHEED
PC 516	02/05/78	B.C. HYDRO	ELECT DUCT	COAST MERIDIAN, S OF COQUITLAM
PC 519	24/05/78	B.C. HYDRO	BCHPA DUCT	COAST MERIDIAN & ST ALBERT
PC 520	24/05/78	B.C. HYDRO	ELECT DUCTS	NORTH ROAD & COMO LAKE ROAD
PC 525	27/06/78	B.C. HYDRO	ELECTRICAL DUCTS	37TH & LANARK
PC 527	06/07/78	B.C. HYDRO	ELECTRICAL DUCT	BRIDGE & FRANCIS
PC 558	15/03/79	B.C. HYDRO	BCHPA DUCTS	HASTINGS & KOOTENAY
PC 585	18/07/79	B.C. HYDRO	4" DRAIN	2ND & BOUNDARY
PC 590	19/09/79	B.C. HYDRO	ELECTRICAL DUCT	DYKE RD, N OF HAMILTON
PC 624	23/07/80	B.C. HYDRO	ELECTRICAL DUCTS	SLOCAN & WARD
PC 637	14/01/81	B.C. HYDRO	BCHPA DUCT	UNNAMED RD N OF DUNKIRK AVE @ PIPELINE RD, COQUITLAM.
PC 644	21/04/81	B.C. HYDRO	ELECTRICAL DUCTS	PIPELINE RD, 233M S OF PATHAN
PC 652	10/07/81	B.C. HYDRO	ELECTRICAL DUCT	PIPELINE RD S OF OZADA
PC 670	25/08/81	B.C. HYDRO	ELECTRICAL DUCTS	COAST MERIDIAN N OF LOUGHEED
PC 676	30/09/81	B.C. HYDRO	B C H P A DUCT	COMO LAKE RD @ SHARPE ST COQ
PC 691	23/11/81	B.C. HYDRO	ELECTRICAL DUCTS	BROADWAY, E OF LAKE CITY WAY
PC 718	26/02/82	B.C. HYDRO	4" ELECTRICAL DUCT	HUNTER ST, E OF MTN HWY. NORTH VANCOUVER ELEC. DISTR.
PC 720	05/03/82	B.C. HYDRO	ELECTRICAL DUCT	PIPELINE RD - 91 M S PATHAN AVE., COQUITLAM.
PC 742	28/07/82	B.C. HYDRO	ELECTRICAL DUCT	13611 MITCHELL RD
PC 743	28/07/82	B.C. HYDRO	ELECTRICAL DUCTS	27TH & MANAIHO
PC 755	03/09/82	B.C. HYDRO	ELECTRICAL DUCTS	FRANCIS RD 188M W OF SHELL
PC 758	22/09/82	B.C. HYDRO	ELECTRICAL DUCTS	GLEN & JOHNSON
PC 767	16/11/82	B.C. HYDRO	ELECTRICAL DUCTS	VANNESS & GLADSTONE
PC 772	18/01/83	B.C. HYDRO	ELECTRICAL DUCT	SHARPE & COMO LAKE
PC 806	09/09/83	B.C. HYDRO	BCHPA ELECTRICAL DUCTS	ORWELL & HUNTER
PC 831	01/03/84	B.C. HYDRO	ELECTRICAL DUCT	GLENN DR & JOHNSTON
PC 833	08/03/84	B.C. HYDRO	ELECTRICAL DUCTS	GLEN & MCCOONB
PC 836	16/03/84	B.C. HYDRO	ELECTRICAL DUCTS	BROADWAY, E OF GAGLARDI
PC 840	04/04/84	B.C. HYDRO	ELECTRICAL DUCTS	PEMBINA & ANNACIS PARKWAY
PC 854	08/06/84	B.C. HYDRO	ELECTRICAL DUCT	SLOCAN, N OF GRANDVIEW
PC 855	21/06/84	B.C. HYDRO	ELECTRICAL DUCT	VANNESS & 24TH
PC 924	29/08/85	B.C. HYDRO	ELECTRICAL DUCTS	L/S 37TH & CARTIER
PC1019	14/05/87	B.C. HYDRO	ELECTRICAL DUCT	RIVER DR & VAN HORNE
PC1041	28/09/87	B.C. HYDRO	ELECTRICAL DUCTS	37TH AVE / MAIN ST
PC1057	10/12/87	B.C. HYDRO	ELECTRICAL DUCTS	KEBET, E OF BROADWAY
PC 935	24/10/85	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	13320 RIVER RD

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PC 956 24/01/86	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	CROWN & ORWELL
PC 984 25/06/86	B.C. HYDRO ELECTRICAL	4" DUCT	FELL AVE & WEST 3RD
PC 989 23/07/86	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	3RD, E OF MACKAY
PC 990 24/07/86	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	BROADWAY, W OF NORTH RD
PC1000 23/09/86	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	37TH & SOPHIA
PC1010 05/02/87	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	HALIFAX & DOUGLAS
PC1021 08/06/87	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	RIVER RD W OF #6
PC1038 11/09/87	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	NO 3 & CAPSTAN
PC1061 21/01/88	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	GRAYBAR RD
PC1062 21/01/88	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	BROADWAY & KESSET
PC1068 03/03/88	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	ELLIOT, S OF MARINE
PC1072 31/03/88	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	GLEN & JOHNSON
PC1076 19/04/88	B.C. HYDRO ELECTRICAL	BCHPA DUCTS	RIVER RD & SIMPSON
PC1080 11/05/88	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	GLEN, E OF WESTWOOD
PC 936 28/10/85	B.C. HYDRO ENGINEERING	ELECTRICAL DUCTS	S END OF 2ND NARROWS
PC 104 30/07/70	B.C. TELEPHONE	14" A.C. PIPE	23' E SNC COMO LK & GATENSURBY
PC 113 07/10/70	B.C. TELEPHONE	DUCT	BRUNETTE & LOUGHEED, COQUITLAM.
PC 272 06/11/73	B.C. TELEPHONE	BCT	WESTMINSTER & GRAYBAR
PC 305 04/05/74	B.C. TELEPHONE	BCT	ST. GEORGES - 6TH TO 13TH 19TH TO 24TH
PC 505 20/03/78	B.C. TELEPHONE	BCT DUCTS	VALENONT, SOUTH OF RIVER ROAD
PC 509 05/04/78	B.C. TELEPHONE	BCT DUCT	CLARKE & GLENAYRE
PC 513 21/04/78	B.C. TELEPHONE	BCT DUCT	BROADWAY & SPERLING
PC 517 09/05/78	B.C. TELEPHONE	BCT DUCTS	BROADWAY, EAST OF DUTHIE
PC 521 24/05/78	B.C. TELEPHONE	BCT DUCTS	VULCAN WAY & NO 6 ROAD
PC 528 17/07/78	B.C. TELEPHONE	BCT DUCTS	RIVER ROAD & NO 6 ROAD
PC 531 22/08/78	B.C. TELEPHONE	BCT DUCT	GLEN & JOHNSTON
PC 532 23/08/78	B.C. TELEPHONE	BCT DUCT	FRANCIS RD & ASHWOOD
PC 536 13/09/78	B.C. TELEPHONE	BCT DUCT	ST ALBERT & COAST MERIDIAN
PC 537 06/10/78	B.C. TELEPHONE	BCT DUCT	MITCHELL RD, E OF KNIGHT ST BRIDGE
PC 538 19/10/78	B.C. TELEPHONE	BCT DUCT	WOOD & SALTER
PC 544 15/11/78	B.C. TELEPHONE	BCT DUCT	MITCHELL RD E OF NO 5 RD
PC 545 16/11/78	B.C. TELEPHONE	BCT DUCT	MITCHELL RD, E OF NO 5
PC 588 06/09/79	B.C. TELEPHONE	BCT DUCTS	VIVIAN & L/N & L/S 47TH
PC 592 12/10/79	B.C. TELEPHONE	BCT DUCTS	OAK ST BRIDGE R/W & RIVER RD
PC 606 04/03/80	B.C. TELEPHONE	BCT DUCTS	NO 3 RD & BRIDGEPORT
			1) BETA AVE & L/S BRENT LAWN
			2) L/S BRENT LAWN W OF BETA
PC 620 06/06/80	B.C. TELEPHONE	BCT DUCTS	COMO LAKE RD & GREENE ST., COQUITLAM
PC 640 28/01/81	B.C. TELEPHONE	BCT DUCTS	ADANAC ST & KOOTENAY ST
PC 662 07/08/81	B.C. TELEPHONE	BCT DUCTS	L/S 3RD & WOODLAND
PC 664 12/08/81	B.C. TELEPHONE	BCT DUCTS	PIPELINE RD, S OF PINE TREE WAY
PC 682 16/10/81	B.C. TELEPHONE	TEL DUCT	COMO LAKE RD AT SHARPE ST
PC 684 27/10/81	B.C. TELEPHONE	TEL DUCTS	SPRINGER & BROADWAY
PC 685 06/11/81	B.C. TELEPHONE	TEL DUCTS	BRIDGEMAN & COAST MERIDIAN
PC 697 11/12/81	B.C. TELEPHONE	B C TEL DUCTS	COMO LAKE & SHARPE

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PC 702	14/12/81	B.G.TELEPHONE	B C TEL DUCT	BROADWAY & LAKE CITY WAY
PC 722	02/04/82	B.C.TELEPHONE	B C TEL DUCT	DELTA & BRENTLAWN/HALIFAX
PC 725	02/04/82	B.C.TELEPHONE	B C TEL DUCT	GLEN DR & JOHNSON
PC 737	04/06/82	B.C.TELEPHONE	B C T DUCT	HALIFAX & GILMORE
PC 770	21/12/82	B.C.TELEPHONE	DUCT	WOODLAND DR & 5TH AVE
PC 777	08/02/83	B.C.TELEPHONE	TEL DUCT	37TH & HEATHER
PC 786	24/03/83	B.C.TELEPHONE	TEL DUCTS	NO 4 & RIVER RD
PC 790	18/04/83	B.C.TELEPHONE	TEL DUCTS	14TH & VICTORIA
PC 795	21/05/83	B.C.TELEPHONE	B C T DUCTS	BROADWAY & SPERLING
PC 801	05/08/83	B.C.TELEPHONE	TEL DUCT	MARINE DR & CAPILANO RIVER
PC 809	22/09/83	B.C.TELEPHONE	BCT DUCTS	HUNTER & MTN HWY
PC 812	04/10/83	B.C.TELEPHONE	TEL DUCTS	GLEN & JOHNSON
PC 832	06/03/84	B.C.TELEPHONE	TEL DUCTS	37TH & ROSS
PC 834	12/03/84	B.C.TELEPHONE	BCT DUCTS	GLEN & MCCOOME
PC 865	20/09/84	B.C.TELEPHONE	BCT DUCTS	BLUEMOUNTAIN & CONO LAKE
PC 866	20/09/84	B.C.TELEPHONE	BCT DUCTS	CONO LAKE & PORTER
PC 874	02/11/84	B.C.TELEPHONE	BC TEL DUCTS	ANNACIS ISL CAUSEWAY
PC 875	13/11/84	B.C.TELEPHONE	BCT DUCT	1100 BLK MITCHELL RD RMD
PC 884	18/02/85	B.C.TELEPHONE	TEL DUCT	SLOCAN & KINGSWAY
PC 885	20/02/85	B.C.TELEPHONE	B C TEL CASING	N END LIONS GATE BRIDGE
PC 887	05/03/85	B.C.TELEPHONE	BCT DUCTS	BROADWAY & SPERLING, LAWRENCE
PC 928	12/09/85	B.C.TELEPHONE	TEL DUCTS	NO 3RD, N OF CAPSTAN
PC 937	28/10/85	B.C.TELEPHONE	B C T DUCTS	BOUNDARY & DYKE RD
PC 949	11/12/85	B.C.TELEPHONE	TEL DUCTS	KOOTENAY & L/W OXFORD
PC 980	17/06/86	B.C.TELEPHONE	BCT DUCTS	SLOCAN & EUCLID
PC 999	18/09/86	B.C.TELEPHONE	BC TEL DUCTS	FELL & 2ND
PC1001	16/10/86	B.C.TELEPHONE	TEL DUCTS	ELLIOT & KENT
PC1036	27/08/87	B.C.TELEPHONE	TEL DUCTS	MITCHELL RD
PC1053	18/11/87	B.C.TELEPHONE	BCT DUCT	ORWELL & CROWN
PC1060	08/01/88	B.C.TELEPHONE	TEL DUCTS	KEBET & BROADWAY
PC1066	16/02/88	B.C.TELEPHONE	TEL DUCTS	FELL & 3RD ST
PC1070	04/03/88	B.C.TELEPHONE	B C TEL DUCTS	KING EDWARD & BRUNETTE
PC1082	25/05/88	B.C.TELEPHONE	TEL DUCTS	FRANCIS, E OF HEATHER
PC1084	03/06/88	B.C.TELEPHONE	TEL DUCTS	GLEN, E OF WESTWOOD
PC1088	27/06/88	B.C.TELEPHONE	B C T DUCTS	RIVER RD, E OF CHARLES
PC1090	04/07/88	B.C.TELEPHONE	TEL DUCTS	PRAIRIE & NEWBERRY
PC 848	16/05/84	B.C.TRANSIT	DUCT BANK	GRANVIEW & WOODLAND
PC 849	16/05/84	B.C.TRANSIT	DUCT BANK	SLOCAN ST
PC 850	16/05/84	B.C.TRANSIT	DUCT BANK	MANAIMO & VANNESS
PC 112	21/09/70	BURNABY	8" CATCH BASIN	ON PANDORA AT WARWICK
PC 115	27/10/70	BURNABY	10" SANITARY SEWER	PENZANCE & GAMMA
PC 116	11/09/70	BURNABY	8" STORM SEWER	PANDORA, WARWICK TO SEA
PC 120	11/02/71	BURNABY	4" SANITARY SEWER	2ND AVENUE & ESMOND
PC 123	29/03/71	BURNABY	8" WATER MAIN	TATLOW & 15TH STREET
PC 125	07/04/71	BURNABY	3/4" WATER	BROADWAY W. OF WOOLWICH
PC 128	21/05/71	BURNABY	IMPERIAL OIL	BROADWAY & PRODUCTION WAY
PC 134	07/06/71	BURNABY	B.C.H.P.A.	GILMORE & 2ND AVENUE

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PC 393	28/04/76	BURNABY	8" S SEWER	BROADWAY, WEST OF SPERLING
PC 402	03/06/76	BURNABY	BCHPA ELECT	BROADWAY AT L/E OF LAKEDAL & GAGLARDI WAY
PC 404	25/06/76	BURNABY	6" WATERMAIN	PANDORA & ELLESMERE
PC 407	29/06/76	BURNABY	6" WATERMAIN	CAMBRIDGE & GAMMA
PC 412	26/07/76	BURNABY	8" SANITARY SEWER	BROADWAY WEST OF GAGLARDI WAY
PC 414	09/08/76	BURNABY	2 4" BCH DUCTS	E 2ND AVE. & INGLETON
PC 419	26/08/76	BURNABY	72" CULVERT PEDESTRIAN WALK	BROADWAY & STONEY CREEK
PC 435	13/12/76	BURNABY	3/4 WATER, 6" S SEWER	BROADWAY & SPERLING
PC 442	17/02/77	BURNABY	12" S SEWER	GEORGIA ST & SPRINGER AVE
PC 453	13/04/77	BURNABY	4 3/4" WATER	BROADWAY & BAINBRIDGE
PC 454	27/04/77	BURNABY	4 BCH DUCTS	BROADWAY & GAGLARDI
PC 455	03/05/77	BURNABY	BCT DUCTS	UNDERHILL EASTLAKE
PC 456	09/05/77	BURNABY	BCT DUCTS	LAKE CITY WAY & BROADWAY
PC 457	09/05/77	BURNABY	BCT DUCTS	UNDERHILL 500' S OF BROADWAY
PC 469	21/06/77	BURNABY	BCT	PRODUCTION WAY & BROADWAY
PC 479	27/07/77	BURNABY	BCT DUCTS	BROADWAY & LAWRENCE DR
PC 487	30/09/77	BURNABY	6" CB LEAD	MADISON AVE & DANSON ST
PC 496	04/11/77	BURNABY	TRAFFIC SIGNAL	HALIFAX & WILLINGDON
PC 498	13/01/78	BURNABY	8" WATER	SPRINGER & BROADWAY
PC 502	13/02/78	BURNABY	20" WATER	BROADWAY & UNDERHILL
PC 503	13/02/78	BURNABY	6" WATER	BROADWAY BETWEEN LAKE CITY WAY AND UNDERHILL
PC 542	08/11/78	BURNABY	30" STORM SEWER	ARDEN & BROADWAY
PC 557	12/03/79	BURNABY	STREET LIGHTING DUCTS	PANDORA ST, EMPIRE DR
PC 569	27/04/79	BURNABY	6" SANITARY SEWER	MADISON AVE & LAWSON
PC 572	04/05/79	BURNABY	2 - 3/4" WATER SERVICES	7730 & 36 BROADWAY
PC 582	11/07/79	BURNABY	8" WATER	HALIFAX ST & WOODWAY PL
PC 587	24/08/79	BURNABY	2 - 4" BCHPA DUCTS	BROADWAY AT GAGLARDI
PC 622	16/06/80	BURNABY	200MM WATER SERVICE	GAMMA AVE & SCENIC DR
PC 629	14/10/80	BURNABY	STREET LIGHTING (4 LOC)	BROADWAY W OF NANTON WAY
PC 635	05/12/80	BURNABY	SANITARY SEWER	2ND & BOUNDARY
PC 657	24/07/81	BURNABY	300MM S SEWER	PANDORA & FELL
PC 658	24/07/81	BURNABY	WATER MAIN	HALIFAX, E OF DOUGLAS
PC 660	24/07/81	BURNABY	C B LEADS	BROADWAY & BUCHANAN
PC 746	10/08/82	BURNABY	WATER	SPRINGER & HALIFAX
PC 864	17/09/84	BURNABY	WATER	BROADWAY & LAWRENCE DR
PC1064	05/02/88	BURNABY DISTRICT	STREET LIGHTING	SPRINGER & HALIFAX
PC1067	26/02/88	BURNABY DISTRICT	WATER SERVICE	HALIFAX & DOUGLAS
PC1071	08/03/88	BURNABY DISTRICT	WATER SERVICE	SPRINGER & BRAELAWN
PC1075	18/04/88	BURNABY DISTRICT	STREET LIGHTING, DRAIN TILE	SPRINGER & BROADWAY
PC1079	11/05/88	BURNABY DISTRICT	WATER MAIN	WILLINGDON & HALIFAX
PC 713	02/02/82	BURNABY ENGINEERING DEPT	& C.I.W.	BROADWAY, W OF LAWRENCE
PC 775	21/01/83	BURNABY ENGINEERING DEPT	STREET LIGHT, C B LEAD	SHELLMONT & ARDEN
PC 793	31/05/83	BURNABY ENGINEERING DEPT	WATER SERVICE	BROADWAY & SPERLING
PC 805	30/08/83	BURNABY ENGINEERING DEPT	20MM WATER SERVICE	1700 BLK SPRINGER
PC 816	26/10/83	BURNABY ENGINEERING DEPT	D I W MAIN	SPRINGER & SPRINGDALE

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PC 819 03/11/83	BURNABY ENGINEERING DEPT	WATER SERV	BROADWAY & FELL
PC 824 /83	BURNABY ENGINEERING DEPT	W SERVICES	BROADWAY, E OF HOLDON
PC 907 14/05/85	BURNABY ENGINEERING DEPT	WATER MAIN	BROADWAY W OF NORCREST CT
PC 983 25/06/86	BURNABY ENGINEERING DEPT	ST LIGHTING STORM SEWER	BROADWAY & CLIFF
PC 436 10/01/77	CANADIAN NATIONAL RAILWAY	SPUR LINE	NATIONAL AVENUE (RICH)
PC 826 /83	CANADIAN NATIONAL RAILWAY	MAIN RELOCATION	
PC 613 08/04/80	CANADIAN PACIFIC RAILWAY	8" FIRE LINE	TRENTON ST, S OF LOUGHEED HWY (UNDER MARY HILL BY-PASS)
PC 102 09/07/70	COQUITLAM	30" SANITARY SEWER CONNECTION	24' W SEC COMO LK. & N. ROAD
PC 117 01/12/70	COQUITLAM	8" WATER	COMO LK. & NORTH ROAD
PC 118 01/12/70	COQUITLAM	6" WATER	COMO LK AT BLUE MTN., LILLIAN & LONGLAC
PC 127 06/04/71	COQUITLAM	SEWER SERVICE	1028 COMO LAKE ROAD
PC 140 09/08/71	COQUITLAM	B.C.H.P.A.	COMO LAKE & ROBINSON
PC 142 10/09/71	COQUITLAM	SANITARY SEWER	COMO LAKE - E OF BAKER DRIVE
PC 146 29/09/71	COQUITLAM	B.C.H.P.A.	COMO LAKE & POIRIER
PC 148 08/10/71	COQUITLAM	8" SANITARY SEWER	COMO LAKE & CLAREMONT
PC 149 08/10/71	COQUITLAM	8" SANITARY SEWER	COMO LAKE & 196' E. CLAREMONT
PC 150 12/10/71	COQUITLAM	8" SANITARY SEWER	COMO LAKE & FARROW
PC 151 12/10/71	COQUITLAM	8" SANITARY SEWER	COMO LAKE & 150' W. FARROW
PC 152 12/10/71	COQUITLAM	8" SANITARY SEWER	COMO LAKE & E/S EMERSON
PC 153 12/10/71	COQUITLAM	8" SAINTARY SEWER	COMO LAKE & W/S EMERSON
PC 154 12/10/71	COQUITLAM	8" SANITARY SEWER	COMO LAKE & 75 E. ELWOOD
PC 155 12/10/71	COQUITLAM	8" SANITARY SEWER	COMO LAKE & LILLIAN
PC 174 07/02/72	COQUITLAM	B.C.H.P.A.	COMO & GATENSBURY
PC 182 23/02/72	COQUITLAM	12" WATER	COMO & BAKER
PC 183 30/03/72	COQUITLAM	30" SANITARY SEWER	COMO LAKE, CLARENDON & ELWOOD
PC 188 03/05/72	COQUITLAM	B.C.H.P.A.	COMO LAKE & ROBINSON
PC 192 18/07/72	COQUITLAM	SANITARY SEWER	COMO LAKE AT GREEN, L/W LOUGHEED 500' W. OF GREEN
PC 217 28/11/72	COQUITLAM	2 11/4" ELECTRICAL CONDUIT	COMO LAKE AVE. & CLARKE ROAD
PC 233 17/04/73	COQUITLAM	8" WATER MAIN	SURF CRESCENT
PC 250 12/07/73	COQUITLAM	S SEWER	ROBINSON & COVINA
PC 252 24/07/73	COQUITLAM	BCHPA	PORTER & COMO LAKE
PC 273 15/11/73	COQUITLAM	6" WATER	CLARKE RD & CHAPMAN
PC 284 02/01/74	COQUITLAM	HIGHWAY	COMO LAKE ROAD
PC 285 04/02/74	COQUITLAM	50 X 31 SEWER	COMO LAKE & GREEN
PC 315 08/07/74	COQUITLAM	3/4" WATER	1204 PIPELINE RD, COQ.
PC 321 26/09/74	COQUITLAM	WATER	1386 & 1402 PIPELINE RD
PC 322 27/09/74	COQUITLAM	SANITARY SEWER	PIPELINE RD & GLEN DRIVE
PC 324 07/10/74	COQUITLAM	SANITARY SEWER	LOUGHEED & COMO LAKE AVE
PC 326 17/10/74	COQUITLAM	BCT DUCTS	BARNET & LANSDOWNE
PC 329 22/11/74	COQUITLAM	BCHPA	COMO LAKE & ROBINSON
PC 347 27/03/75	COQUITLAM	SANITARY SEWER	OZADA AVE & PIPELINE RD
PC 366 16/09/75	COQUITLAM	BCHPA DUCT	COMO LAKE RD, NEAR NEW LOUGHEED HIGHWAY DIVERSION
PC 375 19/12/75	COQUITLAM	6" WATER	PIPELINE ROAD & PATTAN AVE.
PC 418 23/08/76	COQUITLAM	ELECTRIC DUCT	COMO LAKE & BLUE MOUNTAIN

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PC 426	29/09/76	COQUITLAM	BCT DUCT	COMO LAKE & BLUE MOUNTAIN
PC 443	17/02/77	COQUITLAM	3" BCT DUCT	@ COMO LAKE GATE STATION
PC 450	17/03/77	COQUITLAM	WATER SERVICE	1100 BLOCK COMO LAKE
PC 451	31/03/77	COQUITLAM	8" SANITARY, 24" S SEWER	COMO LAKE & SHARPE ST
PC 460	27/05/77	COQUITLAM	6" WATER	JOHNSON & COMO LAKE
PC 466	15/06/77	COQUITLAM	S SEWER	PIPELINE ROAD
PC 468	21/06/77	COQUITLAM	STREET LIGHTING	SPURAWAY NORTH OF PINNACLE.
PC 470		COQUITLAM	BCHPA DUCT	LANDSDOWNE S OF GLEN
PC 475	11/07/77	COQUITLAM	BCT DUCT	BCHPA R/W. & SERVICE ROAD, NORTH OF #8 GATE STATION
PC 476	11/07/77	COQUITLAM	2 4" BCT DUCTS	LANDSDOWNE N OF BARNET
PC 477	14/07/77	COQUITLAM	DRIVEWAY	3002 SPURAWAY, (WP 172)
PC 478	15/07/77	COQUITLAM	BCHPA DUCT	BARNET HIGHWAY
PC 481	02/08/77	COQUITLAM	GVSDD SEWERS	LOUGHEED & COMO LAKE
PC 486	22/09/77	COQUITLAM	SANDBAGGING	BARNET HWY, WEST OF LANDSDOWNE
PC 492	04/11/77	COQUITLAM	BCT DUCTS	GLEN & PIPELINE ROAD
PC 493	04/11/77	COQUITLAM	BCT DUCTS	OZADA & PIPELINE RD
PC 494	04/11/77	COQUITLAM	BCT DUCTS	DUNKIRK & PIPELINE
PC 495	04/11/77	COQUITLAM	BCT DUCTS	PATHAN & PIPELINE RD
PC 501	08/02/78	COQUITLAM	8" WATER	COMO LAKE RD BETWEEN LOUGHEED HWY
PC 522	16/06/78	COQUITLAM	WATER SERVICES	WESTWOOD STREET
PC 535	30/08/78	COQUITLAM	C B LEADS	LANDSDOWN - GLEN & BARNET
PC 540	31/10/78	COQUITLAM	12" S SEWER	COMO LAKE RD, NORTH RD TO ELWOOD
PC 551	26/01/79	COQUITLAM	3/4" WATER MAIN	COMO LAKE AVE @ ST LAURENCE ST
PC 589	07/09/79	COQUITLAM	WATER SERVICE	PIPELINE RD
PC 593	13/11/79	COQUITLAM	CONCRETE CULVERTS	PIPELINE RD, N OF GLEN
PC 599	10/01/80	COQUITLAM	BCT DUCTS	PIPELINE RD
PC 609	17/03/80	COQUITLAM	BCHPA DUCTS (2 XINGS)	ROBSON ST @ COMO LAKE RD
PC 610	03/04/80	COQUITLAM	ELEC DUCTS (TRAFFIC SIG)	COMO LAKE RD AT WESTWOOD
PC 611	03/04/80	COQUITLAM	ELEC DUCTS (TRAFFIC SIG)	COMO LAKE RD & POIRIER ST
PC 612	03/04/80	COQUITLAM	ELEC DUCTS (TRAFFIC SIG)	COMO LAKE RD & LINTON ST
PC 614	18/04/80	COQUITLAM	8" WATER	COMO LAKE RD & ROBINSON ST
PC 615	23/04/80	COQUITLAM	150MM WATER MAIN 6-20MM WATER	OZADA & PIPELINE
PC 617	02/06/80	COQUITLAM	BCT DUCTS	LANDSDOWNE ST, S OF GLEN DR
PC 628	07/10/80	COQUITLAM	37MM WATER SERVICE	MARY HILL BY-PASS
PC 633	31/10/80	COQUITLAM	19MM COPPER WATER SERVICE	COMO LAKE RD, W OF ROBINSON ST
PC 634	31/10/80	COQUITLAM	19MM COPPER WATER SERVICE	PIPELINE RD S OF GALLETT AVE
PC 641	03/02/81	COQUITLAM	19MM COPPER WATER SERVICE	COMO LAKE RD W OF BANTING ST
PC 646	11/06/81	COQUITLAM	200MM FIRE LINE	COMO LAKE RD @ BANTING ST
PC 647	16/06/81	COQUITLAM	COPPER WATER SERVICE	GLEN DR E OF WESTWOOD ST
PC 653	17/07/81	COQUITLAM	19MM COPPER WATER SERVICE	COMO LAKE AVE, E OF TOWNLEY ST
PC 654	21/07/81	COQUITLAM	20MM COPPER WATER SERVICE	GLEN DR @ UNNAMED RD E OF LANDSDOWNE
PC 655	21/07/81	COQUITLAM	100MM SANITARY SEWER	GLEN DR ON W/S OF PINE TREE WAY
PC 659	24/07/81	COQUITLAM	COPPER WATER SERVICE	GLEN DR ON W/S OF PINE TREE WAY
PC 673	23/09/81	COQUITLAM	COPPER WATER SERVICE	COMO LAKE, E OF HAILEY
				COMO LAKE BET ROBINSON & DOGWOOD

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PC 911	26/06/85	COQUITLAN	WATER	LOUGHEED HWY & COMO LAKE
PC 925	05/09/85	COQUITLAN	WATER & SANITARY SEWER	GLEN DR
PC 977	27/05/86	COQUITLAN	ALL UTILITIES	GLEN DR (BETWEEN LANSDOWNE & JOHNSON)
PC 208	13/10/72	COQUITLAN DISTRICT	18" S.SEWER	CLARKE RD & COMO LAKE ROAD
PC 209	13/10/72	COQUITLAN DISTRICT	4" FIRELINE & 1 1/2 METER	1204 PIPELINE RD
PC 211	23/10/72	COQUITLAN DISTRICT	12" STORM	COMO LAKE RD & CLARKE
PC 271	02/11/73	COQUITLAN DISTRICT	WATER	COMO LAKE BANTING TO TOWNLEY
PC 781	02/03/83	COQUITLAN DISTRICT	SANITARY SEWER	PIPELINE RD & OZADA AVE
PC1046	01/10/87	COQUITLAN DISTRICT	STORM SEWERS	COMO LAKE AND SEYMOUR DRIVE
PC 681	13/10/81	COQUITLAN ENGINEERING DEPT	20MM WATER SERVICE	PIPELINE RD, S OF GALLETT
PC 690	19/11/81	COQUITLAN ENGINEERING DEPT	WATER MAIN	PIPELINE RD
PC 705	12/01/82	COQUITLAN ENGINEERING DEPT	COPPER WATER SERVICE	PIPELINE RD, S OF GALLETT
PC 732	28/04/82	COQUITLAN ENGINEERING DEPT	SANITARY SEWER	PIPELINE RD, APPROX 80 M SOUTH OF OZADA
PC 747	16/08/82	COQUITLAN ENGINEERING DEPT	WATER SERVICES, WATER MAIN	PIPELINE RD, N OF GLEN
PC 748	20/08/82	COQUITLAN ENGINEERING DEPT	SANITARY SEWER SERVICE	PIPELINE RD, S OF OZADA
PC 773	18/01/83	COQUITLAN ENGINEERING DEPT	WATER SERVICE	REGENT & COMO LAKE
PC 778	08/02/83	COQUITLAN ENGINEERING DEPT	WATER SERVICE	COMO LAKE & SPURAWAY
PC 783	14/03/83	COQUITLAN ENGINEERING DEPT	WATER SERVICES	PIPELINE & REDONDA
PC 815	25/10/83	COQUITLAN ENGINEERING DEPT	C B LEADS	LANSDOWNE & RUNNEL
PC 820	03/11/83	COQUITLAN ENGINEERING DEPT	C B LEADS	PIPELINE ROAD
PC 853	22/05/84	COQUITLAN ENGINEERING DEPT	WATER SERVICE	PIPELINE RD, N OF GLEN
PC 859	26/07/84	COQUITLAN ENGINEERING DEPT	STORM SEWER	COMO LAKE AVE
PC 860	26/07/84	COQUITLAN ENGINEERING DEPT	STREET LIGHTING	COMO LAKE AVE
PC 889	13/03/85	COQUITLAN ENGINEERING DEPT	WATER SERV SAN SEWER SERVICE	COMO LAKE AVE
PC 896	17/04/85	COQUITLAN ENGINEERING DEPT	ST LGT, S S TRAFFIC SIGNALS	COMO LAKE RD
PC 899	26/04/85	COQUITLAN ENGINEERING DEPT	WATER MAIN	COMO LK & BLUE MTN
PC 965	28/02/86	COQUITLAN ENGINEERING DEPT	S S, ST LGT, TRAFFIC SIGNALS	COMO LAKE RD
PC 979	13/06/86	COQUITLAN ENGINEERING DEPT	STORM SEWER	COMO LAKE & FARROW
PC 994	19/08/86	COQUITLAN ENGINEERING DEPT	STREET LIGHTING	GLEN & JOHNSON
PC1078	05/05/88	COUNTRY WEST CONSTRUCTION	ELECTRICAL DUCTS	SALTER & SPRICE
PC 139	03/08/71	CROWN FOREST PRODUCTS		FRASER MILLS
PC1089	04/07/88	DAYROSS DEVELOPMENT	STORM SEWER	RUNNEL & LANSDOWNE
PC 518	18/05/78	DAYTON & KNIGHT	4" DI WATER	GAGLARDI WAY
PC 802	15/08/83	DAYTON & KNIGHT	4" WATERMAIN	GAGLARDI WAY
PC 825	/83	DAYTON & KNIGHT	WATERMAIN	GLENAYRE DRIVE
PC1081	25/05/88	DELCAN CONSTRUCTION	DRAIN PIPES	S F U
PC 437	/01/77	DEPT OF HIGHWAYS	30" CULVERT	LOUGHEED HWY AT COAST MERIDIAN
PC 976	27/05/86	DEPT OF HIGHWAYS	ELECTRIC CONDUIT	WESTMINSTER HWY @ HAMILTON
PC1086	14/06/88	DEPT OF HIGHWAYS	STREET LIGHTING, TRAFFIC	BROADWAY & MARY HILL BYPASS
PC 166	01/12/71	DOMINION CONSTRUCTION	RAILROAD	BRIDGEPORT W. OF VIKING
PC 462	15/06/77	DOVER ENGINEERING	CURB	ON PINNACLE SOUTH OF SPURWAY. PERMIT #'S GIVEN VERBALLY TO F.LEIGH, MOTH, 15/6/77.
PC 463	15/06/77	DOVER ENGINEERING	SIDEWALK	ON PINNACLE SOUTH OF SPURWAY. PERMIT #'S GIVEN VERBALLY TO F.LEIGH, MOTH, 15/6/77.
PC 464	15/06/77	DOVER ENGINEERING	CURB	ON SURF CRES SOUTH OF SPURWAY. PERMIT #'S GIVEN VERBALLY TO F.LEIGH, MOTH, 15/6/77.

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PC 465	15/06/77	DOVER ENGINEERING	SIDEWALK	ON SURF CRES SOUTH OF SPURWAY. PERMIT #'S GIVEN VERBALLY TO F. LEIGH, MOTH, 15/6/77.
PC 639	28/01/81	DOVER ENGINEERING	150MM WATER & 300MM ST S	ON PIPELINE RD @ DUNKIRK AVE AND RD N OF DUNKIRK, PORT COQUITLAM.
PC 643	03/04/81	DOVER ENGINEERING	STREET LIGHT & WATER SERVICE	PIPELINE & DUNKIRK
PC 736	20/05/82	DUNCAN KONDRAS ENGINEERING	16MM SANITARY SEWER	2ND & BOUNDARY
PC 165	01/12/71	FRASER VALLEY GAS	SEWER	DEWONEY & HYDRO R/W
PC 724	02/04/82	FRASER VALLEY GAS	ROAD	LOUGHEED & SHARPE
PC 847	11/05/84	GENSTAR DEVELOPMENT	WATER	TRENTON ST
PC 605	20/02/80	GLOBE EXCAVATING, M. VAN.	5 X 8 BOX CULVERT	PIPELINE RD @ OZADA AVE, COQ
PC 651	06/07/81	GULF CANADA	D I WATER	GLENAYRE DR, PORT MOODY
PC1028	17/07/87	HAMILTON ASSOCIATES	S S C B'S, WATER SERV & 150 MM	LANDSDOWNE/EAGLERIDGE
PC 675	29/09/81	HAYES, LAIRD ENGINEERING	WATER SERVICES	PIPELINE RD, S OF PATHAN
PC 731	26/04/82	HAYES, LAIRD ENGINEERING	CURBS	BROADWAY & ARDEN
PC 796	29/06/83	HAYES, LAIRD ENGINEERING	SEWERS ST CULVERT, ST LGT DUCT	GLEN DR COQ
PC 645	25/05/81	HUNTER, LAIRD ENGINEERING	200MM SANITARY SEWER	PIPELINE RD S OF OZADA AVE., NEW WEST
PC 656	23/07/81	HUNTER, LAIRD ENGINEERING	WATER, S SEWER	PIPELINE RD, S OF PATHAN
PC 663	11/08/81	HUNTER, LAIRD ENGINEERING	STREET LIGHTING	ARDEN AVE S OF RD 1 (S OF BROADWAY)
PC 666	17/08/81	HUNTER, LAIRD ENGINEERING	200MM SANITARY SEWER	BROADWAY AVE (N/S) @ LAKE CITY WAY
PC 667	17/08/81	HUNTER, LAIRD ENGINEERING	200MM SANITARY SEWER	BROADWAY AVE (S/S) @ LAKE CITY WAY
PC 668	17/08/81	HUNTER, LAIRD ENGINEERING	4-200MM & 1-1050MM S SEWER	ON ARDEN AVE BROADWAY TO SHELLMONT ST
PC 669	19/08/81	HUNTER, LAIRD ENGINEERING	ASPHALT CURB & GUTTER	PIPELINE RD FROM RD A NORTH TO PINE TREE WAY
PC 694	04/12/81	HUNTER, LAIRD ENGINEERING	6" SANITARY SEWER	BCHPA R/W & SPURWAY
PC 784	15/03/83	HUNTER, LAIRD ENGINEERING	WATER SERVICES	PIPELINE RD
PC 821	14/11/83	HUNTER, LAIRD ENGINEERING	C B LEAD S SEWER TRAFFIC SIGNA	COMO LAKE & MARINER WAY
PC1048	04/11/87	HUNTER, LAIRD ENGINEERING	WATER	BROADWAY & KEBET
PC1063	01/02/88	HUNTER, LAIRD ENGINEERING	STREET LIGHTING	BROADWAY & KEBET
PC 548	19/12/78	IRA YOUNG & ASSOC	SANITARY SEWER	LANDSDOWNE ST
PC 515	26/04/78	JACK CEVE LTD	3 4" BCT & 2 3" BCT	ON PIPELINE ROAD, 5981' & 8863' N OF GALETTE AVE
PC 671	22/09/81	JACK CEVE LTD	STEEL DRAINAGE PIPE	N OF GALETTE ON PIPELINE RD
PC 672	22/09/81	JACK CEVE LTD	STEEL DRAINAGE PIPE	N OF GALETTE ON PIPELINE RD
PC1011	18/02/87	JACK CEVE LTD	6" DRAINAGE PIPE	PIPELINE RD
PC 942	13/11/85	KERR WOOD LEIDAL ASSOCIATES	WATER MAIN	HUNTER & ORWELL
PC 943	13/11/85	KERR WOOD LEIDAL ASSOCIATES	SANITARY SEWER	HUNTER & ORWELL
PC1043	01/10/87	KERR WOOD LEIDAL ASSOCIATES	SANITARY SEWERS	ORWELL & CROWN
PC1044	01/10/87	KERR WOOD LEIDAL ASSOCIATES	STORM SEWERS	ORWELL & CROWN
PC1045	01/10/87	KERR WOOD LEIDAL ASSOCIATES	WATERMANS	ORWELL & CROWN
PC 714	12/02/82	KERWOOD ASSOC	350MM WATER	SECOND MARRONS (N END)
PC 904	06/05/85	LEE, MELNECHENKO & ASSOC	SANITARY SEWER, M H	LOUGHEED & COAST MERIDIAN
PC 689	18/11/81	MCELHANNEY ENGINEERING	ST LGT WATER & STORM SEWER	N OF GLEN DR, E OF JOHNSON RD
PC 703	28/12/81	MCELHANNEY ENGINEERING	10" WATER 6" WATER	GLEN DR, E OF JOHNSON
PC 710	29/01/82	MCELHANNEY ENGINEERING	GABION	GLEN & JOHNSON
PC 991	28/07/86	MCELHANNEY ENGINEERING	STORM SEWERS	GLENAYRE & ANGELA
PC 931	02/10/85	MIN OF TRANSP. & HIGHWAYS	ROAD	TRENTON & LOUGHEED

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PC 960	14/02/86	MIN OF TRANSP. & HIGHWAYS	CULVERT	89 & WESTMINSTER HWY
PC 961	14/02/86	MIN OF TRANSP. & HIGHWAYS	CULVERT	89 & WESTMINSTER HWY
PC 970	09/04/86	MIN OF TRANSP. & HIGHWAYS	TEMPORARY CULVERT	HAMILTON ROAD
PC 996	20/08/86	MIN OF TRANSP. & HIGHWAYS	ELECTRICAL CONDUIT	WESTMINSTER HWY & HAMILTON RD
PC 749	20/08/82	NEW WESTMINSTER ENG DEPT	SANITARY SEWER	SALTER & PEMBINA
PC 766	16/11/82	NEW WESTMINSTER ENG DEPT	WATER MAIN	SALTER, CAMPBELL TO BOYNE
PC 768	02/12/82	NEW WESTMINSTER ENG DEPT	CULVERTS	SALTER & HUME, HAMPTON & HOWES
PC 769	06/12/82	NEW WESTMINSTER ENG DEPT	WATER MAIN	SALTER & HOWES
PC 858	25/07/84	NEW WESTMINSTER ENG DEPT	18" CULVERT	SALTER, S OF SPRICE
PC 586	09/07/79	NEW WESTMINSTER, CITY OF	8" WATER	SALTER & JARDINE
PC1029	22/07/87	NEW WESTMINSTER, CITY OF	WATER PIPES	SALTER & SPRICE
PC 717	18/02/82	NORTH VANCOUVER CITY ENG DEPT	150MM WATER	6TH ST AT 3RD ST
PC 803	18/08/83	NORTH VANCOUVER CITY ENG DEPT	5 SAN SERV 1-6" WATER	6TH & ST GEORGES
PC 818	02/11/83	NORTH VANCOUVER CITY ENG DEPT	WATER SERV	7TH & SUTHERLAND
PC 827	/83	NORTH VANCOUVER CITY ENG DEPT	WATER SERVICE	6TH ST W OF ST DAVID
PC 883	01/02/85	NORTH VANCOUVER CITY ENG DEPT	WATER SERVICE	7TH & SUTHERLAND
PC 892	26/03/85	NORTH VANCOUVER CITY ENG DEPT	100MM SANITARY SEWER	3RD & FELL
PC 905	14/05/85	NORTH VANCOUVER CITY ENG DEPT	WATER SERVICE	3RD & FELL
PC 923	20/08/85	NORTH VANCOUVER CITY ENG DEPT	WATER SERVICE	6TH, W OF CHESTERFIELD
PC 975	13/05/86	NORTH VANCOUVER CITY ENG DEPT	200 PVC C B LEAD	6TH & ST ANDREWS
PC 981	19/06/86	NORTH VANCOUVER CITY ENG DEPT	WATER SERVICE	6TH & ST GEORGES
PC 988	16/07/86	NORTH VANCOUVER CITY ENG DEPT	150 WATER	7TH & QUEENSBURY
PC1003	27/10/86	NORTH VANCOUVER CITY ENG DEPT	SANITARY SEWER	HUNTER & ORWELL
PC1009	28/01/87	NORTH VANCOUVER CITY ENG DEPT	WATER SERVICE	8TH ST & ST DAVIDS
PC 829	/83	NORTH VANCOUVER DIST ENG DEPT	WATER SERVICE	WEST 5TH STREET
PC 839	04/04/84	NORTH VANCOUVER DIST ENG DEPT	WATER MAIN	15TH & BRIDGEMAN
PC 902	02/05/85	NORTH VANCOUVER DIST ENG DEPT	WATER SERVICES	HUNTER, E OF MTN HWY
PC 922	19/08/85	NORTH VANCOUVER DIST ENG DEPT	3/4" WATER SERVICE	HUNTER ST
PC 940	13/11/85	NORTH VANCOUVER DIST ENG DEPT	SANITARY SEWER	HUNTER ST
PC 941	13/11/85	NORTH VANCOUVER DIST ENG DEPT	WATER SERVICE	W 15TH ST
PC 950	17/12/85	NORTH VANCOUVER DIST ENG DEPT	WATER MAIN	LLOYD & 15TH
PC 126	15/04/71	NORTH VANCOUVER DISTRICT	36" SANITARY SEWER	TATLOW AVE. & 15TH ST.
PC 206	29/09/72	NORTH VANCOUVER DISTRICT	30" S. SEWER	PENBERTON, 15TH ST. & LLOYD
PC 218	11/12/72	NORTH VANCOUVER DISTRICT	8" STORM	LYNN & MAIN
PC 220	27/12/72	NORTH VANCOUVER DISTRICT	STORM SEWER	MARINE & MCGUIRE
PC 242	22/05/73	NORTH VANCOUVER DISTRICT	2" WATER	LLOYD & ROOSEVELT
PC 244	03/07/73	NORTH VANCOUVER DISTRICT	2" WATER	BROOKSBANK & 3RD
PC 246	04/07/73	NORTH VANCOUVER DISTRICT	WATER	15TH & LLOYD
PC 254	30/07/73	NORTH VANCOUVER DISTRICT	WATER	HARBOUR & MAIN
PC 255	30/07/73	NORTH VANCOUVER DISTRICT	WATER	15TH ST. & LLOYD
PC 319	09/08/74	NORTH VANCOUVER DISTRICT	6 SEWER	15TH ST TATLOW TO PENBERTON
PC 337	05/02/75	NORTH VANCOUVER DISTRICT	WATER	MCGUIRE, S OF MARINE DR.
PC 341	21/02/75	NORTH VANCOUVER DISTRICT	BCT	MARINE & MCGUIRE
PC 458	13/05/77	NORTH VANCOUVER DISTRICT	12" WATER	15TH & LLOYD
PC 512	18/04/78	NORTH VANCOUVER DISTRICT	4" SANITARY SEWER	ON ORWELL ST, S OF RUPERT ST
PC 719	05/03/82	NORTH VANCOUVER DISTRICT	1 1/2 WATER	MOUNTAIN HWY & HUNTER
PC 727	16/04/82	NORTH VANCOUVER DISTRICT	CURBS	15TH & BOWSER, MCGOWAN

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PC1025	22/06/87	NORTH VANCOUVER DISTRICT	S SEWER & WATER	15TH & BRIDGEMAN
PC 750	26/08/82	NORTH VANCOUVER ENG DEPT	WATER MAIN	JONES & TRANS CANADA
PC 145	22/09/71	NORTH VANCOUVER, CITY OF	12" STORM SEWER	6TH & MAHON
PC 223	23/01/73	NORTH VANCOUVER, CITY OF	8", 10" 21" STORM SEWER	6TH ST. & 5TH ST
PC 230	20/03/73	NORTH VANCOUVER, CITY OF	S SEWER	WINCH & 3RD ST.
PC 234	07/05/73	NORTH VANCOUVER, CITY OF	STORM SEWER	WINCH & 3RD ST.
PC 238	08/05/73	NORTH VANCOUVER, CITY OF	BCT	3RD & WINCH
PC 239	15/05/73	NORTH VANCOUVER, CITY OF	SEWER	MARINE DRIVE & MCQUIRE
PC 241	22/05/73	NORTH VANCOUVER, CITY OF	WATER	BROOKSBANK & 3RD
PC 257	10/08/73	NORTH VANCOUVER, CITY OF	SEWER	BARROW STREET
PC 266	28/09/73	NORTH VANCOUVER, CITY OF	BCT	7TH & RIDGEWAY
PC 267	12/10/73	NORTH VANCOUVER, CITY OF	SANITARY SEWER	6TH & 470' E OF LONSDALE
PC 286	25/02/74	NORTH VANCOUVER, CITY OF	STREET LIGHTING	6TH ST. & CHESTERFIELD
PC 294	11/04/74	NORTH VANCOUVER, CITY OF	BCT	6TH ST & ST. GEORGES
PC 318	26/07/74	NORTH VANCOUVER, CITY OF	12" WATER	MAHON AVE. & 6TH ST.
PC 420	07/09/76	NORTH VANCOUVER, CITY OF	BCT	MOUNTAIN HIGHWAY, FERN TO KEITH
PC 461	27/05/77	NORTH VANCOUVER, CITY OF	BCT DUCTS	6TH & CHESTERFIELD
PC 472	27/06/77	NORTH VANCOUVER, CITY OF	6" WATER	6TH & ST GEORGES
PC 485	13/09/77	NORTH VANCOUVER, CITY OF	WATER MAIN	14TH STREET @ LLOYD
PC 504	15/02/78	NORTH VANCOUVER, CITY OF	8" WATER	ON MACKAY @ 3RD ST
PC 550	17/01/79	NORTH VANCOUVER, CITY OF	4" STORM SEWER	JONES & 24TH ST
PC 584	18/07/79	NORTH VANCOUVER, CITY OF	36" S SEWER	JONES & KEITH RD
PC 596	12/12/79	NORTH VANCOUVER, CITY OF	2" WATER	3RD ST, W OF DONAGHY AVE
PC 616	01/05/80	NORTH VANCOUVER, CITY OF	4" SAN SEWER, 3/4" WATER	7TH ST & RIDGEWAY, 16" TP
PC 636	06/01/81	NORTH VANCOUVER, CITY OF	4" SANITARY SEWER	L/N OF 6TH ST, W OF MAHON AVE
PC 677	01/10/81	NORTH VANCOUVER, CITY OF	C B LEAD	L/S 26TH & JONES
PC 678	01/10/81	NORTH VANCOUVER, CITY OF	C B LEAD	L/N 26TH & JONES
PC 744	04/08/82	NORTH VANCOUVER, CITY OF	TRAFFIC DUCT	KEITH RD & CLOVERLEY
PC 823	/83	NORTH VANCOUVER, CITY OF	WATER SERVICE	744 E 7TH STREET
PC 846	08/05/84	NORTH VANCOUVER, CITY OF	WATER	MAHON & W 6TH ST
PC 967	19/03/86	NORTH VANCOUVER, CITY OF	CATCH BASIN BCT BCHPA	MARINE DR & CAPILANO
PC 988	01/04/86	NORTH VANCOUVER, CITY OF	100MM STORM SEWER	FELL & 2ND
PC 969	01/04/86	NORTH VANCOUVER, CITY OF	19MM WATER SERVICE	FELL & 2ND
PC1033	31/07/87	NORTH VANCOUVER, CITY OF	GAS LINE & AIR LINE	2ND & BEWICKE
PC1069	03/03/88	NORTH VANCOUVER, CITY OF	150 DRAIN	JONES & UPPER LEVELS
PC 838	23/01/81	P WEBSTER & ASSOC	3-WATER SERVICES	ON 3RD ST E OF LLOYD AVE., NORTH VANCOUVER.
PC 642	16/03/81	P WEBSTER & ASSOC	2-150MM C B LEADS	ON ORWELL ST N OF CROWN ST., COQUITLAN.
PC 798	15/07/83	P WEBSTER & ASSOC	C B LEADS	ORWELL ST
PC 122	16/02/71	PORT COQUITLAN	54" SEWER	CPR R/W E OF BCHPA R/W
PC 306	04/05/74	PORT COQUITLAN	BCHPA	MONTROSE & COMO LAKE
PC 430	29/11/76	PORT COQUITLAN	BCT DUCTS	LOUGHEED & TRENTON/DONINION
PC 432	02/12/76	PORT COQUITLAN	30" CULVERT	VICINITY LOUGHEED & TRENTON ST
PC 564	05/04/79	PORT COQUITLAN	WATER MAIN	LOUGHEED & COAST MERIDIAN
PC 575	18/05/79	PORT COQUITLAN	BCT DUCT	RD N OF LOUGHEED & COAST MERIDIAN
PC 630	14/10/80	PORT COQUITLAN	STREET LIGHTING	TRENTON & LOUGHEED
PC 648	25/06/81	PORT COQUITLAN	WATER SERVICE	COAST MERIDIAN N OF LOUGHEED

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PC1047 26/10/87	PORT COQUITLAM DISTRICT	STORM SEWER WATERMAIN	BROADWAY & KEBET
PC 330 04/12/74	PORT MOODY	BCT	GLENAYRE & MOUNT ROYAL DRIVE
PC 570 11/05/79	PORT MOODY	BCHPA DUCT	COAST MERIDIAN & RD N OF LOUGHEED
PC 734 10/05/82	RANNALA ENGINEERING	C B LEADS	PIPELINE ROAD
PC 735 18/05/82	RANNALA ENGINEERING	SANITARY SEWER SERVICE	PIPELINE ROAD
PC 947 02/12/85	RANNALA ENGINEERING	WATER SERVICE	COAST MERIDIAN & COQUITLAM AVE
PC 995 20/08/86	RANNALA ENGINEERING	ELECTRICAL CONDUIT	COAST MERIDIAN & L/S COQUITLAM
PC 105 19/08/70	RICHMOND	12" A.C. WATER	NELSON & SECTION LINE
PC 129 21/05/71	RICHMOND	B.C.T.	ANNACIS ISLAND
PC 130 21/05/71	RICHMOND	B.C.T.	ANNACIS ISLAND
PC 131 21/05/71	RICHMOND	B.C.T.	ANNACIS ISLAND
PC 132 21/05/71	RICHMOND	B.C.T.	ANNACIS ISLAND
PC 133 21/05/71	RICHMOND	B.C.T.	ANNACIS ISLAND
PC 137 28/06/71	RICHMOND	B.C.T.	RIVER RD. & CAMBIE RD.
PC 191 10/07/72	RICHMOND	C.N.R.	NO. 6 RD. (CASTROL OILS)
PC 205 28/04/72	RICHMOND	BCT	NO. 5 ROAD & RIVER
PC 245 03/07/73	RICHMOND	SEWER	DYKE
PC 263 20/08/73	RICHMOND	STORM SEWER	RIVER DRIVE & SHELL RD
PC 299 23/05/74	RICHMOND	20" WATER	KNIGHT ST. BRIDGE & MITCHELL
PC 301 29/05/74	RICHMOND	6" SANITARY SEWER	RIVER DRIVE & VAN HORNE
PC 308 27/06/74	RICHMOND	ELECTRICAL	CROMPTON & MITCHELL
PC 316 17/07/74	RICHMOND	8" WATER	#6 RD & BRIDGEPORT RD
PC 328 05/11/74	RICHMOND	BCHPA	RIVER RD & KNIGHT ST.
PC 331 23/12/74	RICHMOND	BCT	FRASER & KENT
PC 332 24/12/74	RICHMOND	BCT	RIVER RD & KNIGHT ST BRIDGE
PC 342 12/03/75	RICHMOND	3/4" WATER	RIVER AVE & SHELL
PC 349 23/04/75	RICHMOND	DRAIN DISCHARGE	SHELL & RIVER RD
PC 350 06/05/75	RICHMOND	BCHPA	DYKE ROAD
PC 351 15/05/75	RICHMOND	3/4" WATER SERVICE	RIVER DR & VAN HORNE WAY
PC 356 02/07/75	RICHMOND	SANITARY SEWER	NATIONAL AVE., E OF #6 RD
PC 359 07/07/75	RICHMOND	SANITARY SEWER	NATIONAL AVE (VULCAN) EAST OF #6
PC 363 18/08/75	RICHMOND	SANITARY SEWER	OAK ST & RIVER DR
PC 365 09/09/75	RICHMOND	BCT DUCT	DYKE RD N OF HAMILTON RD
PC 367 24/09/75	RICHMOND	BCT DUCT	S DYKE RD, N OR HAMILTON RD S OF QUEENSBOROUGH
PC 370 24/10/75	RICHMOND	STORM SEWER BOX CULVERT	RIVER DR & NO. 4 ROAD
PC 373 19/11/75	RICHMOND	STORM SEWER	ON MITCHELL RD - S OF UNNAMED ROAD, S OF TWIGG RD
PC 410 08/07/76	RICHMOND	8 ST WATER	#3 ROAD & BRIDGEPORT
PC 413 26/07/76	RICHMOND	2 4" BCH DUCTS	RIVER RD & SIMPSON RD
PC 416 12/08/76	RICHMOND	BCT DUCT	RIVER RD & SIMPSON RD
PC 417 19/08/76	RICHMOND	RC CULVERT	MITCHELL RD & TIPPING RD
PC 422 08/09/76	RICHMOND	11/2 WATER	RIVER RD, W NO 5 ROAD
PC 424 15/09/76	RICHMOND	BCT	RIVER RD & DOUGLAS ST
PC 431 30/11/76	RICHMOND	8" DRAIN CULVERTS	RIVER ROAD, FROM #6 ROAD TO SAVAGE
PC 434 06/12/76	RICHMOND	SANITARY SEWER	RIVER ROAD
PC 444 21/02/77	RICHMOND	6" CONCRETE CULVERT	ON NO 6 ROAD & WESTMINSTER HWY

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PC 445	21/02/77	RICHMOND	36" CULVERT	ON WESTMINSTER HWY @ #6 ROAD
PC 446	04/03/77	RICHMOND	30" S SEWER	#5 ROAD & BLUNDELL
PC 447	08/03/77	RICHMOND	8" SANITARY SEWER	RIVER DR & NO 4 ROAD
PC 449	14/03/77	RICHMOND	6" SANITARY SEWER	RIVER DR BETWEEN #4 & SHELL
PC 459	16/05/77	RICHMOND	1 1/2" WATER	#5 & BLUNDELL
PC 467	17/06/77	RICHMOND	RAILWAY SPUR	SAYAGE & RAILWAY
PC 473	27/06/77	RICHMOND	SANITARY SEWER	#3 BRIDGEPORT RD RIVER
PC 474	27/06/77	RICHMOND	S SEWER FLOOD BOX	NO 6 & RIVER ROAD
PC 488	05/10/77	RICHMOND	8 SANITARY SEWER	NO 3 & DOUGLAS ROAD
PC 489	12/10/77	RICHMOND	12" WATER	SAYAGE RD & NATIONAL AVE
PC 500	07/02/78	RICHMOND	12" WATER	HAMILTON RD & WESTMINSTER HWY
PC 511	17/04/78	RICHMOND	8" STEEL WATER	ON NATIONAL AVE (VULCAN WAY E OF NO 6 ROAD
PC 529	25/07/78	RICHMOND	3/4" WATER	BLUNDELL RD BETWEEN NO 5 RD & SIDAWAY RD
PC 530	03/08/78	RICHMOND	6" WATER	FRANCIS RD & ASHWOOD GT
PC 533	25/08/78	RICHMOND	STEEL WATER MAIN	BLUNDELL & SIDAWAY
PC 534	25/08/78	RICHMOND	STEEL WATER MAIN	BLUNDELL & NO 5
PC 546	23/11/78	RICHMOND	WATER MAIN	RIVER DR & VAN HORNE WAY
PC 553	12/02/79	RICHMOND	WATER & STORM SEWER	VALMONT WAY
PC 555	01/03/79	RICHMOND	BCHPA DUCTS	MITCHELL RD, W OF TIPPING RD
PC 556	01/03/79	RICHMOND	WATER MAIN	NELSON RD & BCHPA R/W S OF WESTMINSTER HIGHWAY
PC 559	19/03/79	RICHMOND	24" STORM SEWER	BRIDGEPORT & NO 3 RD
PC 561	28/03/79	RICHMOND	6" WATER	CAPSTAN & RIVER RD
PC 562	29/03/79	RICHMOND	12" WATER	NO 3 RD & BRIDGEPORT
PC 563	29/03/79	RICHMOND	12" WATER	CAMBIE & RIVER RD
PC 565	20/04/79	RICHMOND	WATER MAIN	#3 RD & SEA ISLAND WAY
PC 566	24/04/79	RICHMOND	STORM SEWER	SHELL, W OF RIVER RD
PC 567	24/04/79	RICHMOND	ELEC CONDUIT	NO 3 RD, N OF SEA ISLAND WAY
PC 568	24/04/79	RICHMOND	UNDERGROUND CABLES	NO 3 RD & BRIDGEPORT
PC 573	08/05/79	RICHMOND	2" WATER	BLUNDELL RD, W OF SIDAWAY RD
PC 594	04/11/79	RICHMOND	350MM ACW (14")	NO 4 RD @ MITCHELL RD
PC 595	04/11/79	RICHMOND	150MM ACW (8")	MITCHELL RD & KNIGHT ST BRIDGE
PC 597	20/12/79	RICHMOND	750MM CONC S S	MITCHELL RD, E OF TIPPING RD
PC 598	09/01/80	RICHMOND	BCT DUCTS	(IN FRONT OF #13200 MITCHELL)
PC 600	14/01/80	RICHMOND	200MM WATER	WESTMINSTER HWY @ GRAYBAR RD
PC 601	22/01/80	RICHMOND	300MM WATER	NO 4 RD @ RIVER DR
PC 602	29/01/80	RICHMOND	875MM ST S	RIVER RD @ UNNAMED RD & BCHPA R/W, W OF NO 7 RD
PC 608	06/03/80	RICHMOND	300MM WATER	RIVER RD, W OF CAMBIE RD
PC 623	18/07/80	RICHMOND	600MM ST S	DYKE RD @ HAMILTON RD
PC 631	22/10/80	RICHMOND	40MM WATER SERVICE	BLUNDELL, E OF SHELL
PC 632	22/10/80	RICHMOND	40MM WATER SERVICE	WESTMINSTER HWY E OF GRAYBAR RD
PC 649	02/07/81	RICHMOND	STORM DRAIN	WESTMINSTER HWY W OF GRAYBAR RD
PC 661	06/08/81	RICHMOND	SANITARY SEWER	BOUNDARY RD, RICH
				RIVER DR, E OF OAK ST BRIDGE

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PC 674	24/09/81	RICHMOND	WATER MAIN	RIVER DR BET NO 4 & SHELL
PC 683	16/10/81	RICHMOND	SANITARY SEWER	RIVER DRIVE & VAN HORNE WAY
PC 686	09/11/81	RICHMOND	WATER MAIN	#6 & BLUNDELL
PC 687	10/11/81	RICHMOND	WATER MAIN	#6 & GRANVILLE #6, N OF BLUNDELL
PC 695	08/12/81	RICHMOND	WATER MAIN	#9 RD & WESTMINSTER HWY
PC 763	08/10/82	RICHMOND	WATER MAIN	NO 5 & BLUNDELL
PC 780	02/03/83	RICHMOND	WATERMAIN	DYKE RD & HAMILTON RD
PC 828	/83	RICHMOND	WATERMAIN	BLUNDELL RD & SIDAWAY
PC 912	26/06/85	RICHMOND	WATER	HAMILTON & WESTMINSTER HWY
PC 919	07/08/85	RICHMOND	WATER	VULCAN & NO 6
PC 920	07/08/85	RICHMOND	WATER	NO 6
PC 921	12/08/85	RICHMOND	SANITARY SEWER	NO 6 RD
PC 927	10/09/85	RICHMOND	C B LEADS	NEW GRAYBAR, S OF WESTMINSTER HWY
PC 985	26/06/86	RICHMOND	STREET LIGHTING	NO 3 RD & BECKWITH RD
PC 986	26/06/86	RICHMOND	200 P V C WATERMAIN	NO 6 RD & NATIONAL AVE R/W
PC1004	28/10/86	RICHMOND	SANITARY SEWER	MITCHELL RD
PC1005	31/10/86	RICHMOND	STORM SEWER	RIVER RD & CAPSTAN
PC1006	26/11/86	RICHMOND	STORM SEWER	WESTMINSTER HWY
PC1007	12/12/86	RICHMOND	B C TEL	CAPSTAN WAY W/O #3 RD RICH
PC1032	30/07/87	RICHMOND	WATERMAIN	GRAYBAR & WESTMINSTER HWY
PC1034	05/08/87	RICHMOND	B C T DUCT	WESTMINSTER HWY GRAYBAR RD
PC1049	05/11/87	RICHMOND	WATERMAIN	OAK ST BRIDGE R/W
PC1050	10/11/87	RICHMOND	BCT DUCT	DYKE RD
PC1054	20/11/87	RICHMOND	WATERMAIN	NEW GRAYBAR RD
PC1055	26/11/87	RICHMOND	WATERMAIN	DYKE RD
PC1056	03/12/87	RICHMOND	WATERMAIN	9331 FRANKS RD
PC1059	07/01/88	RICHMOND	ELECTRICAL DUCTS	FRANCIS, W OF ASH
PC1073	06/04/88	RICHMOND	WATER SERVICE	RIVER RD & SIMPSON
PC1074	11/04/88	RICHMOND	WATER SERVICE	23240 DYKE RD
PC1083	02/06/88	RICHMOND	WATER SERVICE	BLUNDELL & #6
PC1085	08/06/88	RICHMOND	STREET LIGHTING DUCTS	RIVER RD N OF CHARLES
PC 696	10/12/81	RICHMOND ENGINEERING DEPT	WATER MAIN	NO 6, N OF BLUNDELL
PC 698	14/12/81	RICHMOND ENGINEERING DEPT	10" STORM SEWER	6TH ST, BET 3RD & DELBRUCK
PC 699	14/12/81	RICHMOND ENGINEERING DEPT	6" D I WATER MAIN	6TH ST, BET 3RD & DELBRUCK
PC 700	14/12/81	RICHMOND ENGINEERING DEPT	6" SANITARY SEWER	6TH ST, BET 3RD & DELBRUCK
PC 701	14/12/81	RICHMOND ENGINEERING DEPT	12" STORM SEWER	6TH ST, BET 3RD & DELBRUCK
PC 704	29/12/81	RICHMOND ENGINEERING DEPT	WATER MAIN & SERVICE	BLUNDELL, NO 5 TO SIDAWAY
PC 706	20/01/82	RICHMOND ENGINEERING DEPT	WATER MAIN	RIVER RD, N OF CANBIE
PC 707	20/01/82	RICHMOND ENGINEERING DEPT	STORM SEWER	RIVER RD, N OF CANBIE
PC 708	20/01/82	RICHMOND ENGINEERING DEPT	STORM SEWER	RIVER RD, N OF CANBIE
PC 712	02/02/82	RICHMOND ENGINEERING DEPT	BCT & BCHPA DUCTS	RIVER RD & BATH SLOUGH
PC 715	18/02/82	RICHMOND ENGINEERING DEPT	150MM WATER	NO 3 ROAD
PC 716	18/02/82	RICHMOND ENGINEERING DEPT	300MM WATER	RIVER RD, N OF CANBIE
PC 726	06/04/82	RICHMOND ENGINEERING DEPT	STORM SEWER	#6 N OF VULCAN
PC 730	23/04/82	RICHMOND ENGINEERING DEPT	WATER SERVICES	#6 N OF BLUNDELL
PC 733	07/05/82	RICHMOND ENGINEERING DEPT	WATER SERVICE	WESTMINSTER HWY, E OF NO 9
PC 754	02/09/82	RICHMOND ENGINEERING DEPT	WATER SERVICES	#6 RD, S OF GRANVILLE

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PC 776	21/01/83	RICHMOND ENGINEERING DEPT	WATER SERVICE	HAMILTON & WESTMINSTER HWY
PC 810	29/09/83	RICHMOND ENGINEERING DEPT	WATER MAIN	#9 & WESTMINSTER HWY
PC 813	06/10/83	RICHMOND ENGINEERING DEPT	WATER MAIN	#3 & BRIDGEPORT
PC 814	06/10/83	RICHMOND ENGINEERING DEPT	WATER MAIN	DOUGLAS & CHARLES
PC 817	28/10/83	RICHMOND ENGINEERING DEPT	WATER MAIN	#3 RD BRIDGEPORT TO RIVER
PC 830	/83	RICHMOND ENGINEERING DEPT	STORM SEWER	DOUGLAS & RIVER RD
PC 837	16/03/84	RICHMOND ENGINEERING DEPT	40MM WATER	NO 3 & BRIDGEPORT
PC 856	06/07/84	RICHMOND ENGINEERING DEPT	200 WATERMAIN	CHARLES & RIVER RD
PC 863	11/09/84	RICHMOND ENGINEERING DEPT	ROADWAY	RIVER RD, SHELL TO #5
PC 870	01/10/84	RICHMOND ENGINEERING DEPT	WATER MAIN	CHARLES & DOUGLAS
PC 873	30/10/84	RICHMOND ENGINEERING DEPT	WATER	BOUNDARY, S OF WESTMINSTER HWY
PC 879	28/12/84	RICHMOND ENGINEERING DEPT	STORM SEWER	RIVER RD, #5 RD TO SHELL
PC 895	17/04/85	RICHMOND ENGINEERING DEPT	WATER SERVICE	20471 WESTMINSTER HWY
PC 900	26/04/85	RICHMOND ENGINEERING DEPT	WATER MAIN	3331 NO 3 RD
PC 901	02/05/85	RICHMOND ENGINEERING DEPT	WATER MAIN	DYKE RD & HAMILTON
PC 909	18/06/85	RICHMOND ENGINEERING DEPT	WATER MAIN	DYKE RD, W OF BOUNDARY
PC 930	30/09/85	RICHMOND ENGINEERING DEPT	WATER MAIN	WESTMINSTER HWY & HAMILTON
PC 932	17/10/85	RICHMOND ENGINEERING DEPT	STORM SEWER	NO 6 & BLUNDALL
PC 933	17/10/85	RICHMOND ENGINEERING DEPT	STORM SEWER	NO 6 & VULCAN
PC 938	06/11/85	RICHMOND ENGINEERING DEPT	WATER MAIN	RIVER RD & RIVER DR
PC 939	06/11/85	RICHMOND ENGINEERING DEPT	WATER MAIN	RIVER RD, E OF DOUGLAS
PC 944	19/11/85	RICHMOND ENGINEERING DEPT	SANITARY SEWER	8900 RIVER RD
PC 945	19/11/85	RICHMOND ENGINEERING DEPT	SANITARY SEWER	8811 RIVER RD
PC 946	21/11/85	RICHMOND ENGINEERING DEPT	WATER SERVICES	RIVER RD & RIVER DR
PC 951	17/12/85	RICHMOND ENGINEERING DEPT	STORM SEWER	RIVER RD & RIVER DR
PC 952	17/12/85	RICHMOND ENGINEERING DEPT	STORM SEWER	NO 3RD & DOUGLAS
PC 964	24/02/86	RICHMOND ENGINEERING DEPT	WATER SERVICE	20591 WESTMINSTER HWY
PC 973	30/04/86	RICHMOND ENGINEERING DEPT	400 WATERMAIN	#9 & WESTMINSTER HWY
PC 974	12/05/86	RICHMOND ENGINEERING DEPT	STORM SEWER	#6 & VULCAN
PC 997	12/09/86	RICHMOND ENGINEERING DEPT	STORM SEWER	HAMILTON & QUEEN RD
PC 998	17/09/86	RICHMOND ENGINEERING DEPT	STREET LIGHT CONDUIT	CAPSTAN & CORVETTE
PC1028	26/06/87	RICHMOND ENGINEERING DEPT	SANITARY SEWER	MITCHELL & TWIGG
PC 759	01/10/82	RICHMOND POWER DISTRICT	DUCT	MITCHELL RD/KNIGHT ST
PC 971	09/04/86	RICHMOND, TOWNSHIP	WATERMAIN	WESTMINSTER HWY & GRAYBAR RD
PC 993	07/08/86	RICHMOND, TOWNSHIP	SANITARY SEWER	RIVER DR R/W & OAK ST BRIDGE R/W
PC1013	03/04/87	RICKETTS-SEWELL	STREET LIGHTING	GRAYBAR & WESTMINSTER HWY
PC1014	03/04/87	RICKETTS-SEWELL	STREET LIGHTING	#9 & WESTMINSTER HWY
PC 761	05/10/82	SIMON FRASER UNIVERSITY	C B LEADS	S F U RING ROAD
PC 762	05/10/82	SIMON FRASER UNIVERSITY	ELECTRICAL DUCTS	S F U RING ROAD
PC1016	09/04/87	SKS SAWMILL ENGINEERING	ELECTRIC CABLE	RIVER RD, RICH
PC 821	11/06/80	STANDARD GENERAL CONSTRUCTION	EXCAVATION FOR A STRUCTURE	RIVER RD @ BATH SLOUGH, E OF NO 5 RD (FRASER ST BRIDGE), RICHMOND
PC 811	30/09/83	SUPERCRETE LTD.	DRIVEWAY	NELSON RD, 2425' N OF DYKE RD
PC 910	21/06/85	U M A ENGINEERING	WATER MAIN	GLEN & WESTWOOD
PC 963	24/02/86	U M A ENGINEERING	WATERMAIN	MARY HILL BYPASS
PC 764	08/10/82	VANCOUVER	SEWER	CONNAUGHT DR & 37TH AVE
PC 765	21/10/82	VANCOUVER	TRAFFIC CONTROL	GRANDVIEW & SLOCAN

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PC 738	15/06/82	VANCOUVER COMMUNITY COLLEGE	BURIED CABLE	7TH AVE, W OF KEITH
PC 679	07/10/81	VANCOUVER ENGINEERING DEPT	100MM SEWER SERVICE	2ND AVE, W OF TEMPLETON DR
PC 680	07/10/81	VANCOUVER ENGINEERING DEPT	375MM STORM SEWER CONNECTION	7TH AVE, E OF L/E GLEN DR
PC 688	17/11/81	VANCOUVER ENGINEERING DEPT	CURBS	37TH & ALBERTA
PC 692	23/11/81	VANCOUVER ENGINEERING DEPT	STORM SEWER / SAN SEWER	7TH AND MCLEAN
PC 693	23/11/81	VANCOUVER ENGINEERING DEPT	6" WATERMAIN	7TH AND CLARK
PC 711	02/02/82	VANCOUVER ENGINEERING DEPT	WATER MAIN	7TH & MCLEAN
PC 721	26/03/82	VANCOUVER ENGINEERING DEPT	12" SEWER	SLOCAN & GRANDVIEW HWY SOUTH
PC 728	22/04/82	VANCOUVER ENGINEERING DEPT	SEWER PIPE	L/S 37TH & HUDSON STREET
PC 729	23/04/82	VANCOUVER ENGINEERING DEPT	SEWER SERV	2ND & L/E COMMERCIAL
PC 740	06/07/82	VANCOUVER ENGINEERING DEPT	3 SEWER SERVICE	38TH & NANAIMO
PC 741	20/07/82	VANCOUVER ENGINEERING DEPT	SEWER PIPE	L/S 37TH & CARTIER
PC 751	26/08/82	VANCOUVER ENGINEERING DEPT	CURBS	MARINE & ELLIOT
PC 752	26/08/82	VANCOUVER ENGINEERING DEPT	WATER PIPE	38TH & NANAIMO
PC 756	17/09/82	VANCOUVER ENGINEERING DEPT	CURBS	29TH & NANAIMO
PC 757	17/09/82	VANCOUVER ENGINEERING DEPT	SEWER PIPE	VANNESS & NANAIMO
PC 774	18/01/83	VANCOUVER ENGINEERING DEPT	SEWER SERVICE	2ND & TEMPLETON
PC 779	09/02/83	VANCOUVER ENGINEERING DEPT	C B LINE	7TH & WINDSOR
PC 787	14/04/83	VANCOUVER ENGINEERING DEPT	WATER MAIN	GLADSTONE & BCHPA RLY
PC 788	14/04/83	VANCOUVER ENGINEERING DEPT	WATER MAIN	27TH & SLOCAN
PC 789	14/04/83	VANCOUVER ENGINEERING DEPT	WATER MAIN	37TH & VICTORIA
PC 791	27/04/83	VANCOUVER ENGINEERING DEPT	SEWER PIPE	29TH & PENTICTON
PC 792	27/04/83	VANCOUVER ENGINEERING DEPT	WATER MAIN	BROADWAY & SLOCAN
PC 799	18/07/83	VANCOUVER ENGINEERING DEPT	SEWER PIPE	2ND & LILLOOET
PC 804	30/08/83	VANCOUVER ENGINEERING DEPT	SEWER CONNECTION	37TH W OF NANAIMO
PC 807	13/09/83	VANCOUVER ENGINEERING DEPT	SEWER PIPE	VIVIAN, N OF 51ST
PC 808	13/09/83	VANCOUVER ENGINEERING DEPT	SEWER PIPE	2ND, W OF KASLO
PC 822	/83	VANCOUVER ENGINEERING DEPT	SEWER	46TH AVE & VIVIAN
PC 841	17/04/84	VANCOUVER ENGINEERING DEPT	4" SEWER	NANAIMO & GALT
PC 842	19/04/84	VANCOUVER ENGINEERING DEPT	150MM SEWER	L/S 6TH & PRINCE ALBERT
PC 843	24/04/84	VANCOUVER ENGINEERING DEPT	WATER SERVICE	L/N 7TH & PRINCE ALBERT
PC 844	25/04/84	VANCOUVER ENGINEERING DEPT	SEWER	2ND, W OF KASLO
PC 845	26/04/84	VANCOUVER ENGINEERING DEPT	WATER PIPE	SLOCAN, W OF GRANDVIEW
PC 851	22/05/84	VANCOUVER ENGINEERING DEPT	COMMUNICATIONS DUCT	SLOCAN, 27TH TO 28TH
PC 852	22/05/84	VANCOUVER ENGINEERING DEPT	CURB	SLOCAN, 27TH TO 28TH
PC 857	25/07/84	VANCOUVER ENGINEERING DEPT	8" WATER	6TH & QUEBEC
PC 861	07/08/84	VANCOUVER ENGINEERING DEPT	WATER MAIN	6TH & PRINCE EDWARD
PC 862	30/08/84	VANCOUVER ENGINEERING DEPT	CURBS	6TH & PRINCE EDWARD
PC 867	26/09/84	VANCOUVER ENGINEERING DEPT	CURBS	29TH, E OF SLOCAN
PC 868	27/09/84	VANCOUVER ENGINEERING DEPT	SEWER	VANNESS & BRANT
PC 869	27/09/84	VANCOUVER ENGINEERING DEPT	SEWER	37TH AVE
PC 871	02/10/84	VANCOUVER ENGINEERING DEPT	SEWER	GRANDVIEW & COMMERCIAL
PC 872	18/10/84	VANCOUVER ENGINEERING DEPT	SEWER	2ND & WINDERNERE
PC 876	12/12/84	VANCOUVER ENGINEERING DEPT	150/100 SEWER	2ND AVE W OF NOOTKA
PC 877	14/12/84	VANCOUVER ENGINEERING DEPT	SEWER PIPE	WOODLAND & GRANDVIEW
PC 878	17/12/84	VANCOUVER ENGINEERING DEPT	SEWER PIPES	7TH AVE, E OF CLARK
PC 880	23/01/85	VANCOUVER ENGINEERING DEPT	SEWER	2ND W OF VICTORIA

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PC 881 28/01/85	VANCOUVER ENGINEERING DEPT	SEWER	VANNESS & BRANT
PC 882 01/02/85	VANCOUVER ENGINEERING DEPT	SEWER	VANNESS & GLADSTONE
PC 886 28/02/85	VANCOUVER ENGINEERING DEPT	SEWERS	VIVIAN & 49TH
PC 890 21/03/85	VANCOUVER ENGINEERING DEPT	SEWERS	24TH & SLOCAN
PC 891 22/03/85	VANCOUVER ENGINEERING DEPT	WATER MAIN	7TH & KEITH
PC 893 17/04/85	VANCOUVER ENGINEERING DEPT	SEWER PIPES	46TH & ELLIOT
PC 894 17/04/85	VANCOUVER ENGINEERING DEPT	SEWER PIPES	37TH & NANAIMO
PC 897 18/04/85	VANCOUVER ENGINEERING DEPT	WATER PIPE	L/S 37TH & SELKIRK
PC 898 19/04/85	VANCOUVER ENGINEERING DEPT	WATER SERV	NANAIMO & 29TH
PC 903 03/05/85	VANCOUVER ENGINEERING DEPT	WATER PIPE	7TH & MCLEAN
PC 906 14/05/85	VANCOUVER ENGINEERING DEPT	SEWER PIPE	2ND & LILLOOET
PC 908 27/05/85	VANCOUVER ENGINEERING DEPT	SEWER PIPE	37TH, E OF PRINCE EDWARD
PC 915 12/07/85	VANCOUVER ENGINEERING DEPT	SEWERS	37TH & FLEMING
PC 916 15/07/85	VANCOUVER ENGINEERING DEPT	WATER MAIN	37TH & MAIN
PC 917 25/07/85	VANCOUVER ENGINEERING DEPT	WATER	5TH AVE & SLOCAN
PC 929 19/09/85	VANCOUVER ENGINEERING DEPT	SEWER PIPES	37TH & L/W NANAIMO
PC 934 21/10/85	VANCOUVER ENGINEERING DEPT	CURBS	VICTORIA & GRANDVIEW
PC 948 09/12/85	VANCOUVER ENGINEERING DEPT	STORM SEWER	8TH AVE & GRANDVIEW
PC 954 14/01/86	VANCOUVER ENGINEERING DEPT	SEWER PIPES	37TH & L/E GLADSTONE
PC 957 27/01/86	VANCOUVER ENGINEERING DEPT	SEWERS	37TH & GLADSTONE
PC 958 27/01/86	VANCOUVER ENGINEERING DEPT	SEWERS	37TH & MAIN
PC 959 28/01/86	VANCOUVER ENGINEERING DEPT	WATERMAIN	3RD & SLOCAN
PC 962 20/02/86	VANCOUVER ENGINEERING DEPT	SEWER	L/S 29TH & SLOCAN
PC 966 04/03/86	VANCOUVER ENGINEERING DEPT	SEWERS	6TH & BRUNSWICK
PC 972 16/04/86	VANCOUVER ENGINEERING DEPT	SEWER	6TH & GUELPH
PC 978 04/06/86	VANCOUVER ENGINEERING DEPT	WATER SERVICE	VANNESS & BRANT
PC 982 20/06/86	VANCOUVER ENGINEERING DEPT	SEWER	SLOCAN & EUCLID
PC 987 10/07/86	VANCOUVER ENGINEERING DEPT	CURB	MARINE & ELLIOT
PC 992 01/08/86	VANCOUVER ENGINEERING DEPT	SEWERS	7TH & CLARK
PC1008 19/12/86	VANCOUVER ENGINEERING DEPT	B C TEL COMM DUCT	VICTORIA, L/S 16TH
PC1012 02/04/87	VANCOUVER ENGINEERING DEPT	SEWER CONNECTION	8TH & SLOCAN
PC1015 07/04/87	VANCOUVER ENGINEERING DEPT	SEWER	NANAIMO & GALT
PC908A 12/06/85	VANCOUVER ENGINEERING DEPT	SEWER PIPE	L/S BROADWAY & WOODLAND
PC 918 29/07/85	VANCOUVER REGIONAL DISTRICT	RELIEF DRAIN	7TH & KEITH
PC1040 22/09/87	VANCOUVER REGIONAL DISTRICT	ELECTRICAL DUCTS	MITCHELL & TWIGG
PC 110 10/09/70	VANCOUVER SEWER & DRAINAGE	54" RC INTER.	300' I W X 23+25N SWC SHARPV & COMO LAKE ROAD, COQ.
PC 111 14/09/70	VANCOUVER SEWER & DRAINAGE	24" SANITARY SEWER	COMO LAKE & PASTEUR, COQ.
PC 507 21/03/78	VANCOUVER SEWER & DRAINAGE	SANITARY SEWER SERVICES	COQ, GLEN, LANSDOWNE TO PINE TREE WAY
PC 955 16/01/86	VANCOUVER SEWER & DRAINAGE	SEWERS	7TH & PR ALBERT ST
PC 167 07/12/71	VANCOUVER WATER DISTRICT	36" WATER	MATHERS AVE. & 11TH ST.
PC 295 18/04/74	VANCOUVER WATER DISTRICT	WATER	BOUNDARY & DYKE ROAD
PC 785 18/03/83	VANCOUVER WATER DISTRICT	WATER MAIN	PIPELINE RD
PC 794 16/06/83	VANCOUVER WATER DISTRICT	10" DRAIN	PATHAN & PIPELINE
PC 838 02/04/84	VANCOUVER WATER DISTRICT	460MM	JONES & 19TH ST N V
PC1002 24/10/86	VANCOUVER WATER DISTRICT	WATER MAIN	CAPILANO & MARINE
PC 100 09/07/70	VANCOUVER, CITY OF	10' & 12" WATER	SKEENA & CHARLES

BC HYDRO AND POWER AUTHORITY
METRO GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

BCHPA

FILE DATE

NUMBER RECEIVED	RECEIVED FROM	TYPE OF UTILITY	LOCATION OF UTILITY
PC 101 09/07/70	VANCOUVER, CITY OF	STREET LIGHTING	240' E SEC RENFREW ON 2ND
PC 108 26/08/70	VANCOUVER, CITY OF	3/4" WATER SERVICE	58' N NEC TRIUMPH ON KOOTENAY
PC 162 25/11/71	VANCOUVER, CITY OF	4" SEWER	NANAIMO & 105' N. OF GALT
PC 163 25/11/71	VANCOUVER, CITY OF	4" SEWER	NANAIMO & 73' N. OF GALT
PC 168 07/12/71	VANCOUVER, CITY OF	12" WATER	RUPERT & 2ND AVENUE
PC 170 21/12/71	VANCOUVER, CITY OF	STREET LIGHTING	SKEENA & WILLIAM
PC 184 04/04/72	VANCOUVER, CITY OF	14" SEWER	6TH AVE. & WOODLAND DR.
PC 196 02/08/72	VANCOUVER, CITY OF	B.C.H.P.A.	KOOTENAY AND L/N OF FRANKLIN
PC 219 18/12/72	VANCOUVER, CITY OF	12" WATER	SLOCAN & GRANDVIEW
PC 228 31/01/73	VANCOUVER, CITY OF	STREET LIGHTING	ELLIOT & KENT AVE N
PC 229 16/03/73	VANCOUVER, CITY OF	VANCOUVER SEWER & DRAINAGE 10"	BRIDGEWAY, 250' W 2ND NARROWS
PC 231 02/04/73	VANCOUVER, CITY OF	3/4" WATER	KENT & ELLIOTT
PC 256 06/08/73	VANCOUVER, CITY OF	4" SEWER	SLOCAN - 24TH & 25TH
PC 268 17/10/73	VANCOUVER, CITY OF	WATER	ELLIOTT & NORTH KENT
PC 269 19/10/73	VANCOUVER, CITY OF	WATER	N. KENT & ELLIOT
PC 276 04/12/73	VANCOUVER, CITY OF	SEWER	CLARENDON & 34TH LOT 69
PC 277 04/12/73	VANCOUVER, CITY OF	SEWER	CLARENDON & 34TH LOT 68
PC 287 04/03/74	VANCOUVER, CITY OF	ELECTRICAL	1ST & CASSIAR
PC 288 04/03/74	VANCOUVER, CITY OF	ELECTRICAL	2ND & ESMOND & HORNE PAYNE YARD
PC 296 02/05/74	VANCOUVER, CITY OF	15" SEWER	ON SLOCAN, 22-23
PC 307 07/06/74	VANCOUVER, CITY OF	CABLE	ELLIOT STREET
PC 309 28/06/74	VANCOUVER, CITY OF	4" SEWER	1800 BLK E 2ND AVE.
PC 310 28/06/74	VANCOUVER, CITY OF	4" SEWER	CLARENDON & 29TH AVE.
PC 320 06/09/74	VANCOUVER, CITY OF	BCT DUCTS	KOOTENAY (SKEENA) ST S OF CHARLES
PC 323 04/10/74	VANCOUVER, CITY OF	BCHPA	CHARLES & KOOTENAY
PC 333 13/01/75	VANCOUVER, CITY OF	BCT	2ND AVE & BOUNDARY
PC 339 17/02/75	VANCOUVER, CITY OF	SEWER	2ND & VICTORIA
PC 344 17/03/75	VANCOUVER, CITY OF	6"-4" SEWER	46TH AVE & WALES ST.
PC 346 24/03/75	VANCOUVER, CITY OF	9 4" BCHPA	CASSIAR ST, FROM 2ND AVE TO 5TH
PC 353 30/06/75	VANCOUVER, CITY OF	15" & 8" SANITARY SEWER	L/N NAPIER & SKEENA
PC 354 30/06/75	VANCOUVER, CITY OF	12" & 8" SANITARY SEWER	1/W NAPIER & SKEENA
PC 368 26/09/75	VANCOUVER, CITY OF	4" SEWER CONNECTION	SLOCAN ST, 24TH TO 25TH
PC 369 16/10/75	VANCOUVER, CITY OF	8" WATER SERVICE	SLOCAN ST & BROADWAY
PC 371 29/10/75	VANCOUVER, CITY OF	BCT	PRINCE EDWARD, 25TH TO 38TH
PC 372 14/11/75	VANCOUVER, CITY OF	BCT	GRAVELY DRIVE TO 3RD AVENUE ON COTTON - 3RD L/W 5TH ON WOODLAND
PC 394 06/05/76	VANCOUVER, CITY OF	4" SEWER	37TH & NANAIMO
PC 395 07/05/76	VANCOUVER, CITY OF	8" D.I. WATER	2ND AVE & COTTON DR
PC 396 11/05/76	VANCOUVER, CITY OF	4" CI SEWER	24TH & SLOCAN
PC 397 12/05/76	VANCOUVER, CITY OF	8 DI WATER	SLOCAN & 15TH
PC 398 13/05/76	VANCOUVER, CITY OF	SEWERS	1ST & KOOTENAY (SEE WP 115)
PC 399 17/05/76	VANCOUVER, CITY OF	4" SEWER	CLARENDON ST & 37TH AVE.
PC 400 01/06/76	VANCOUVER, CITY OF	4" SEWER	NANAIMO & BROCK-
PC 401 01/06/76	VANCOUVER, CITY OF	8" SEWER	37TH & COMMERCIAL
PC 403 18/06/76	VANCOUVER, CITY OF	12", 8" SEWERS	W SIDE ADANAC PARK
PC 405 28/06/76	VANCOUVER, CITY OF	12" WATERMAIN	SKEENA & ADANAC PARK
PC 406 28/06/76	VANCOUVER, CITY OF	12" WATERMAIN	SKEENA & WILLIAM

BC HYDRO AND POWER AUTHORITY
METRO GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

BCHPA

FILE NUMBER	DATE RECEIVED	RECEIVED FROM	TYPE OF UTILITY	LOCATION OF UTILITY
PC 408	30/06/76	VANCOUVER, CITY OF	16" WATERMAIN	KENT AVE. S
PC 409	06/07/76	VANCOUVER, CITY OF	BCT DUCT	SLOCAN & 33 RD
PC 411	15/07/76	VANCOUVER, CITY OF	8 DUCT IRON WATER	6TH AVE & WOODLAND DRIVE
PC 415	10/08/76	VANCOUVER, CITY OF	12 WATER	SKEENA ST & WILLIAM ST.
PC 421	07/09/76	VANCOUVER, CITY OF	6" SEWER	2ND AVE. - WOODLAND TO COTTON 1545 EAST 2ND AVE.
PC 423	15/09/76	VANCOUVER, CITY OF	4" SEWER	37TH AVE. & GLADSTONE ST.
PC 425	16/09/76	VANCOUVER, CITY OF	6/4" SEWER	2ND AVE & NOOTKA
PC 427	07/10/76	VANCOUVER, CITY OF	WATER SERVICE	37TH AVE., W OF COMMERCIAL
PC 428	21/10/76	VANCOUVER, CITY OF	BCHPA	1/N NAPIER & SKEENA
PC 429	09/11/76	VANCOUVER, CITY OF	SEWER PIPE	2ND & LAKEWOOD
PC 433	03/12/76	VANCOUVER, CITY OF	4" WATER	KOOTENAY ST & GRAVELEY ST
PC 438	10/02/77	VANCOUVER, CITY OF	3 BCH & 1 BCT DUCT	KOOTENAY & GRAVELY ST
PC 439	14/02/77	VANCOUVER, CITY OF	4" SEWER	2ND AVE & SLOCAN
PC 440	14/02/77	VANCOUVER, CITY OF	4" SEWER	2ND AVE & SLOCAN
PC 441	14/02/77	VANCOUVER, CITY OF	6/4" SEWER	46TH & WALES
PC 448	09/03/77	VANCOUVER, CITY OF	BCT DUCT	KOOTENAY & GRAVELY
PC 452	05/04/77	VANCOUVER, CITY OF	4" SEWER	37TH AVE & FLEMING ST
PC 471		VANCOUVER, CITY OF	ELEC DUCTS	1/S 14TH & SLOCAN
PC 480	02/08/77	VANCOUVER, CITY OF	BCT DUCTS	1/S 14TH & SLOCAN
PC 491	28/10/77	VANCOUVER, CITY OF	SEWER CONNECTIONS	SLOCAN, NORTH OF 17TH AVE
PC 497	08/12/77	VANCOUVER, CITY OF	4" SEWER	MANAIMO & ST LAWRENCE
PC 499	25/01/78	VANCOUVER, CITY OF	3/4 WATER	MANAIMO & BROCK
PC 506	20/03/78	VANCOUVER, CITY OF	4" S SERVICE	2ND AVE WEST OF LAKEWOOD DR
PC 508	31/03/78	VANCOUVER, CITY OF	4" RELAY	2ND & LILLOOET
PC 510	13/04/78	VANCOUVER, CITY OF	3/4 COPPER WATER	37TH & ONTARIO
PC 514	24/04/78	VANCOUVER, CITY OF	8" WATER	OXFORD & KOOTENAY
PC 524	26/06/78	VANCOUVER, CITY OF	3/4" WATER SERVICE	37TH, WINDSOR TO PRINCE ALBERT
PC 526	28/06/78	VANCOUVER, CITY OF	3/4" WATER SERVICE	SLOCAN & 34TH
PC 539	27/10/78	VANCOUVER, CITY OF	8" IRON WATER	DUNDAS & KOOTENAY ST
PC 541	03/11/78	VANCOUVER, CITY OF	6" WATER MAIN	KOOTENAY & TURNER
PC 543	09/11/78	VANCOUVER, CITY OF	SEWER CONNECTION	46TH & ELLIOT
PC 547	18/12/78	VANCOUVER, CITY OF	PLASTIC WATER PIPE	MANAIMO, W OF KINGSWAY
PC 549	09/01/79	VANCOUVER, CITY OF	SEWER	KINGSWAY & MANAIMO
PC 552	30/01/79	VANCOUVER, CITY OF	8" & 4" SEWER CONNECTION	2ND AVE, E OF RENFREW
PC 554	26/02/79	VANCOUVER, CITY OF	PLAST WATER LINE	37TH, W OF WINDSOR
PC 560	28/03/79	VANCOUVER, CITY OF	4" SEWER	2ND AVE, W OF WINDEMERE
PC 571	03/05/79	VANCOUVER, CITY OF	16MM WATER	SLOCAN ST @ MORQUAY ST
PC 574	18/05/79	VANCOUVER, CITY OF	6" SEWER	L/S 37TH & CARTIER
PC 576	27/06/79	VANCOUVER, CITY OF	6" WATER MAIN	KOOTENAY & CANBRIDGE
PC 577	07/07/79	VANCOUVER, CITY OF	8" SEWER	MANAIMO & 29TH
PC 578	09/07/79	VANCOUVER, CITY OF	6" SEWER	MANAIMO & ST LAWRENCE
PC 579	09/07/79	VANCOUVER, CITY OF	8" SEWER	MANAIMO & 30TH
PC 580	09/07/79	VANCOUVER, CITY OF	8" SEWER	MANAIMO & 30TH
PC 581	09/07/79	VANCOUVER, CITY OF	6" SEWER	MANAIMO & 33RD
PC 583	16/07/79	VANCOUVER, CITY OF	SEWER CATCH BASIN	KINGSWAY & MANAIMO
PC 591	05/10/79	VANCOUVER, CITY OF	4" SEWER	ON SLOCAN ST @ 21ST AVE

CONTRACTS

All rights and benefits in accordance with the Crossing Permissions as follows subject to the reservation to B.C. Hydro of all rights and benefits to which it may be entitled in respect of any tenure granted over lands owned by B.C. Hydro as provided for therein.

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V 63-1-39 (A)	86 AVE. W. OF 152 ST.		ROAD	01/ /73
V 63-1-39 (B)	86 AVE. W. OF 152 ST.		STORM SEWER	01/ /73
V 371-1-103	BEDFORD S. OF KINGSMWAY BEDFORD INDUSTRIAL PARK		ROAD CONSTRUCTION	
V 382-1-20	96 AVE & HARVIE		TEMPORARY ROAD CROSSING	07/21/76
V 588-1-88	DEWDNEY TRUNK RD. EAST OF 227 ST., MAPLE RIDGE		CONCRETE CURB	
V 589-1-88	DEWDNEY TRUNK RD. EAST OF 227 ST., MAPLE RIDGE		CONCRETE SIDEWALK	
V 590-1-88			STORM SEWER	
V 658-1-76	BRAID ST. S. OF 401 FRWAY			
V 678-1-7	CFS ALDERGROVE 30"		WATER LINE	05/12/78
V 686-1-7	CFS ALDERGROVE 42"		WATER LINE	05/12/78
V 761-1-22	9510 - 172 ST		3/4" WATER	
V 836-1-86	RIVER RD. - HANEY		ROAD CONSTRUCTION (HANEY BYPASS)	
V2034-1-68	PROGRESS WAY & 76 ST. DELTA	4 DEE ENG.	ROAD	09/19/83
V 255-1-88	227 ST. & SELKIRK	A & G CONST.	WATER MAIN	04/04/75
V 885-1-86	140 H. W. OF KANAKA CR. M.R.	A & G CONST.	SEWER	
V2077	68 & 140 ST, SURREY	A C NG ENG. DIST. OF SURREY	WATER	02/24/84
V1090	208TH ST. & 44TH AVE.	A C NG ENG.	WATERMAIN 8" TP	10/18/80
V3172	40 AVE & 208 ST	A C NG ENG.	WATER MAIN XING	10/01/85
V3023-1-77	RESERVOIR TENNIS COURTS HICKEY ROAD, RIVERSIDE, COQ.	A.V. PRATT (SEE ALSO V3013-1-77)	100MM DIA. U/G ELEC	10/22/84
V3580-1-1	HUNTING SUMAS HWY	ABBOTSFORD	150MM SAN. SEWER	04/21/88
V3561-1-1	HUNTING SUMAS HWY	ABBOTSFORD	150MM SAN. SEWER	
V 315-1-2	RIVERSIDE RD. W. OF VYE RD.	ABBOTSFORD DISTRICT	WATER MAIN	09/20/76
V2008-1-2	MCCALLUM ROAD	ABBOTSFORD DISTRICT	STORM SEWER 30" P/L	02/10/84
V2009-1-2	MCCALLUM ROAD	ABBOTSFORD DISTRICT	STORM SEWER 42" P/L	02/10/84
V2936-1-2	VYE RD, ABBOTSFORD	ABBOTSFORD DISTRICT	30" SAN. SEWER	05/01/84
V2937-1-2	VYE RD, ABBOTSFORD	ABBOTSFORD DISTRICT	42" SAN. SEWER	05/01/84
V 86-1-69	HOPCOTT RD. - TILBURY ISLAND	ACORN FOREST PRODUCTS	1 1/2" WATER CROSSING	01/09/73
V 118-1-69	W. OF HOPCOTT ROAD TILBURY ISLAND - DELTA	ACORN FOREST PRODUCTS	PRIVATE ROAD XING	05/26/73
V1632.1.7	25815 ROBERTSON	ADAMS, D	WATER 42"	
V1633.1.7	25815 ROBERTSON	ADAMS, D	WATER 30"	
V1634.1.7	25815 ROBERTSON	ADAMS, D	ELEC 42"	
V1635.1.7	25815 ROBERTSON	ADAMS, D	ELEC 30"	
V 87-1-77	CAPE HORN AVE - COQ.	AESL	8" SANITARY SEWER	03/21/73
V 423-1-64	TASKER RD. & 24" MTP	AESL	DITCH CROSSING (CANCELLED-SEE V474)	
V 669-1-66	SOUTHERLY ACCESS RD. AT RD. C TO PUMP STN. S. OF TILBURY STN	AESL	ACCESS ROAD	10/18/78
V1022-750-A-3	GLOVER RD & LANGLEY BY PASS	AESL	WATERMAIN XING 8" TP	
V1055	LONDON AVE. E OF CPR R/W	AESL	ROADWORK	
V1095	208 ST. & DOUGLAS CR.	AESL	200 M SEWER 8"TP	09/10/80
V1374.1.98	DYKE BE CPR & LOUGHEED	AESL	FILL ON DYKE	07/07/81

BC HYDRO AND POWER AUTHORITY
FRASER VALLEY GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V 83-1-39 (A)	86 AVE. W. OF 152 ST.		ROAD	01/ /73
V 83-1-39 (B)	86 AVE. W. OF 152 ST.		STORM SEWER	01/ /73
V 371-1-103	BEDFORD S. OF KINGSWAY, BEDFORD INDUSTRIAL PARK		ROAD CONSTRUCTION	
V 382-1-20	96 AVE & HARVIE		TEMPORARY ROAD CROSSING	07/21/76
V 588-1-88	DEWDNEY TRUNK RD. EAST OF 227 ST., MAPLE RIDGE		CONCRETE CURB	
V 589-1-88	DEWDNEY TRUNK RD. EAST OF 227 ST., MAPLE RIDGE		CONCRETE SIDEWALK	
V 590-1-88			STORM SEWER	
V 658-1-78	BRAID ST. S. OF 401 FRWAY			
V 878-1-7	CFS ALDERGROVE 30"		WATER LINE	05/12/78
V 886-1-7	CFS ALDERGROVE 42"		WATER LINE	05/12/78
V 761-1-22	9510 - 172 ST		3/4" WATER	
V 836-1-86	RIVER RD. - HANEY		ROAD CONSTRUCTION (HANEY BYPASS)	
V2034-1-66	PROGRESS WAY & 76 ST. DELTA	4 DEE ENG.	ROAD	09/19/83
V 255-1-88	227 ST. & SELKIRK	A & G CONST.	WATER MAIN	04/04/75
V 885-1-86	140 H. W. OF KANAKA CR. M.R.	A & G CONST.	SEWER	
V2077	88 & 140 ST, SURREY	A C NG ENG. DIST. OF SURREY	WATER	02/24/84
V1090	208TH ST. & 44TH AVE.	A C NG ENG.	WATERMAIN 8" TP	10/18/80
V3172	40 AVE & 208 ST	A C NG ENG.	WATER MAIN XING	10/01/85
V3023-1-77	RESERVOIR TENNIS COURTS HICKEY ROAD, RIVERSIDE, COQ.	A.W. PRATT (SEE ALSO V3013-1-77)	100MM DIA. U/G ELEC	10/22/84
V3560-1-1	HUNTING SUMAS HWY	ABBOTSFORD	150MM SAN. SEWER	04/21/88
V3561-1-1	HUNTING SUMAS HWY	ABBOTSFORD	150MM SAN. SEWER	
V 315-1-2	RIVERSIDE RD. W. OF VYE RD.	ABBOTSFORD DISTRICT	WATER MAIN	09/20/76
V2008-1-2	MCCALLUM ROAD	ABBOTSFORD DISTRICT	STORM SEWER 30" P/L	02/10/84
V2009-1-2	MCCALLUM ROAD	ABBOTSFORD DISTRICT	STORM SEWER 42" P/L	02/10/84
V2936-1-2	VYE RD, ABBOTSFORD	ABBOTSFORD DISTRICT	30" SAN. SEWER	06/01/84
V2937-1-2	VYE RD, ABBOTSFORD	ABBOTSFORD DISTRICT	42" SAN. SEWER	06/01/84
V 86-1-69	HOPCOTT RD. - TILBURY ISLAND	ACORN FOREST PRODUCTS	1 1/2" WATER CROSSING	01/09/73
V 118-1-69	W. OF HOPCOTT ROAD TILBURY ISLAND - DELTA	ACORN FOREST PRODUCTS	PRIVATE ROAD XING	06/26/73
V1832.1.7	25815 ROBERTSON	ADAMS, D	WATER 42"	
V1833.1.7	25815 ROBERTSON	ADAMS, D	WATER 30"	
V1834.1.7	25815 ROBERTSON	ADAMS, D	ELEC 42"	
V1835.1.7	25815 ROBERTSON	ADAMS, D	ELEC 30"	
V 87-1-77	CAPE HORN AVE - COQ.	AESL	8" SANITARY SEWER	03/21/73
V 423-1-84	TASKER RD. & 24" MTP	AESL	DITCH CROSSING (CANCELLED-SEE V474)	
V 889-1-86	SOUTHERLY ACCESS RD. AT RD. C TO PUMP STN. S. OF TILBURY STN	AESL	ACCESS ROAD	10/18/78
V1022-750-A-3	GLOVER RD & LANGLEY BY PASS	AESL	WATERMAIN XING 8" TP	
V1055	LONDON AVE. E OF CPR R/W	AESL	ROADWORK	
V1095	208 ST. & DOUGLAS CR.	AESL	200 M SEWER 8" TP	09/10/80
V1374.1.98	DYKE BE CPR & LOUSHEED	AESL	FILL ON DYKE	07/07/81

BC HYDRO AND POWER AUTHORITY
FRASER VALLEY GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V1411.1.76	LOT 18 MAYFAIR IND. PK	AESL	PARKING LOT 20"	
V1412.1.76	LOT 18 MAYFAIR IND. PK	AESL	CURBS 20"	
V1413.1.76	LOT 18 MAYFAIR IND. PK	AESL	FILL 20"	05/15/81
V1776.1.77	MATHEWSON AVE	AESL	WATERMAIN 20	07/09/82
V1886-1-76	MAYFAIR INDUSTRIAL PARK	AESL	12" WATER MAIN	09/06/82
V1887-1-76	MAYFAIR INDUSTRIAL PARK	AESL	30" STORM SEWER	10/01/82
V1888-1-76	MAYFAIR INDUSTRIAL PARK	AESL	3" SANITARY SEWER (FM)	10/05/82
V1889-1-76	MAYFAIR INDUSTRIAL PARK	AESL	STREET LIGHTING	10/08/82
V1890-1-76	MAYFAIR INDUSTRIAL PARK	AESL	A/C POWER TO F.M. PUMP	10/08/82
V1891-1-76	MAYFAIR INDUSTRIAL PARK	AESL	ROADWORK-PVT, SIDEWALK, GUTTER	10/27/82
V1903-1-77	HICKEY ST & BCH R/W COQ	AESL	20" WATER MAIN	01/18/82
V1904-1-77	AUSTIN RD & BCH R/W COQ	AESL	20" WATER MAIN	
V1905-1-78	S. OF COMO LK RD & BCH R/W COQ	AESL	20" WATER MAIN	02/01/83
V3206	208 ST STH OF 52A AVE	AESL	CATCH BASIN	03/26/87
V 335	GLOVER & EASTLEIGH	AESL FOR HYDRO LAND DEPT.	6" WATER	03/23/76
V 336	LI/W. RD W. FROM GLOVER N. OF EASTLEIGH	AESL FOR HYDRO LAND DEPT.	12" WATER	03/25/76
V 259-1-95	BONSON & LOUGHEED	AESL FOR PITT MEADOWS	12" WATER	07/18/
V 616-1-7	272 ST. N. OF 34 AVENUE	ALDERGROVE CONST. LTD.	30" STORM SEWER	08/01/78
V 617-1-7	272 ST. N. OF 34 AVE	ALDERGROVE CONST. LTD.	10" CATCH BASIN LEAD	08/29/78
V 518-1-7	272 ST. N. OF 34 AVE	ALDERGROVE CONST. LTD.	8" CATCH BASIN LEAD	08/29/78
V 491-1-106	SURF CR. & SPURAWAY, PT. COQ	ALDERSON PROPERTIES LTD	STREET LIGHTING	07/19/77
V 368-1-103	WILSON AVE., PT. COQUITLAN	ALLAN & ASHFORD	WATER MAIN CROSSING	09/07/
V 381	BURY ST. - COQ.	ALLAN & ASHFORD	(A-C) CATCH BASIN LEADS & STREET LIGHT	08/11/76
V1461.1.91	E OF 216 ST N OF DT	ALLAN & ASHFORD	SAW SEWER 12"	03/07/83
V1462.1.91	E OF 216 ST N OF DT	ALLAN & ASHFORD	STORM SEWER 12"	03/11/83
V1463.1.91	E OF 216 ST N OF DT	ALLAN & ASHFORD	WATER 12"	03/14/83
V1464.1.91	E OF 216 ST N OF DT	ALLAN & ASHFORD	ROAD 12"	06/27/83
V1578.1.91	E OF 216 ST N OF D.T.	ALLAN & ASHFORD	WATER 12"	
V1580.1.91	216 ST N OF D.T.	ALLAN & ASHFORD	CURB 12"	06/27/83
V1581.1.91	216 ST N OF D.T.	ALLAN & ASHFORD	CONC SLABS 12"	04/11/83
V1588.1.91	216 ST & D.T.	ALLAN & ASHFORD	ST. LIGHT 12"	06/27/83
V2078-1-31	200 ST & 68 AVE.	ALLAN RICHARDSON	DRIVEWAY	03/26/87
V2079-1-31	200 ST & 68 AVE.	ALLAN RICHARDSON	SEPTIC DRAIN	02/01/84
V2080-1-31	200 ST & 68 AVE.	ALLAN RICHARDSON	WATER	02/01/84
V2081-1-31	200 ST & 68 AVE. LANGLEY	ALLAN RICHARDSON	O/H ELECTRICAL	03/26/87
V2082-1-31	200 ST & 68 AVE. LANGLEY	ALLAN RICHARDSON	FILL	03/26/87
V2083-1-31	200 ST & 68 AVE. LANGLEY	ALLAN RICHARDSON	FENCE	03/26/87
V 388-1-31	192 ST. & 70 AVE	ALOHA ENTERPRISES	D) WATER	
V 388-1-31	192 ST. & 70 AVE	ALOHA ENTERPRISES	C) STORM	
V 388-1-31	192 ST. & 70 AVE	ALOHA ENTERPRISES	B) CURBS	
V 388-1-31	192 ST. & 70 AVE	ALOHA ENTERPRISES	A) RD.	
V 389-1-31	192 ST. & 70 AVE	ALOHA ENTERPRISES	21" STORM & 6" WATER	11/ /77
V 390-1-31	192 ST. & 70 AVE	ALOHA ENTERPRISES	30" STORM	10/24/
V 591-1-31	70 AVE E. 192	ALOHA ENTERPRISES	ROAD	12/08/77
V3604-1-52	138A ST N OF 93A AVE	ALOPEX DEV.	ROADWORK	

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FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V3605-1-52	138A ST W OF 93A AVE	ALOPEX DEV.	STREET LIGHTING	
V1135.1.92	12075 MCINTYRE CT.	ANSELL CONSTRUCTION	WATER SER. XING	05/09/80
V1136.1.92	12075 MCINTYRE CT.	ANSELL CONSTRUCTION	STORM SEWER 12" WTP	05/09/80
V1137.1.92	12075 MCINTYRE CT.	ANSELL CONSTRUCTION	SAN SEWER	05/09/80
V1138.1.92	12075 MCINTYRE CT.	ANSELL CONSTRUCTION	HYDRO ELEC	05/09/80
V1139.1.92	12075 MCINTYRE CT.	ANSELL CONSTRUCTION	TELEPHONE U/G	05/09/80
V1140.1.92	12075 MCINTYRE CT.	ANSELL CONSTRUCTION	DRIVEWAY	05/09/80
V1142.1.92	12076 MCINTYRE COURT	ANSELL CONSTRUCTION	DRIVEWAY	05/09/80
V1143.1.92	12076 MCINTYRE COURT	ANSELL CONSTRUCTION	STORM SEWER	05/09/80
V1144.1.92	12076 MCINTYRE COURT	ANSELL CONSTRUCTION	SAN SEWER	05/09/80
V1145.1.92	12076 MCINTYRE COURT	ANSELL CONSTRUCTION	WATER SERVICE	05/09/80
V1146.1.92	12076 MCINTYRE COURT	ANSELL CONSTRUCTION	ELECTRICAL - HYDRO	05/09/80
V1147.1.92	12076 MCINTYRE COURT	ANSELL CONSTRUCTION	TELEPHONE	05/09/80
V 24-1-56 (F)	N. OF 92 AVE. - W. OF 132ND	APLIN & MARTIN	ROAD CONSTRUCTION	
V 24-1-56 (C)	92 AVE. W. OF 132 ST.	APLIN & MARTIN	SANITARY SEWER	06/07/71
V 24-1-55 (G)	N. OF 92 AVE. - W. OF 132ND	APLIN & MARTIN	STORM AND SANITARY SEWER	
V 24-1-56 (D)	92 AVE. W. OF 132 ST.	APLIN & MARTIN	STORM AND SANITARY SEWER	03/08/72
V 24-1-56 (I)	N. OF 92 AVE. - W. OF 132ND	APLIN & MARTIN	ROAD CONSTRUCTION	
V 24-1-56 (E)	92 AVE. W. OF 132 ST.	APLIN & MARTIN	ROAD CONSTRUCTION	
V 24-1-56 (J)	N. OF 92 AVE. - W. OF 132ND	APLIN & MARTIN	STORM AND SANITARY SEWER	06/02/72
V 24-1-56 (B)	92 AVE. W. OF 132 ST.	APLIN & MARTIN	STORM AND SANITARY SEWER	11/02/
V 24-1-56 (H)	N. OF 92 AVE. - W. OF 132ND	APLIN & MARTIN	WATER MAIN	
V 24-1-56 (K)	N. OF 92 AVE. - W. OF 132ND	APLIN & MARTIN	WATER MAIN	06/02/72
V 24-1-56 (A)	92 AVE. W. OF 132 ST.	APLIN & MARTIN	CONCRETE PATH & STORM DRAIN	07/04/72
V 38-1-54 (A)	132 ST. S. OF 92 AVE	APLIN & MARTIN	FORCE MAIN	
V 38-1-54 (B)	132 ST. S. OF 92 AVE	APLIN & MARTIN	SANITARY SEWER	
V 46-1-61	WESTSIDE & SANTA MONICA	APLIN & MARTIN	STORM AND SANITARY SEWER	02/03/72
V 51-1-42	RD. 9 W. OF 132 ST. (PHASE III) GLEN ROBERTSON ESTATES	APLIN & MARTIN	WATER MAIN, SANITARY & STORM, ROAD	
V 54-1-6 (B)	RD. 1 W. OF 80 AVE & 108 ST.	APLIN & MARTIN	6" WATER MAIN	
V 54-1-6 (A)	RD. 1 W. OF 80 AVE & 108 ST.	APLIN & MARTIN	ROAD CONSTRUCTION	06/20/73
V 54-1-6 (D)	WILTSHIRE BLVD BTWN RD 4&5	APLIN & MARTIN	6" WATER MAIN	07/05/72
V 54-1-6 (G)	W. OF 108 ST. 1150' N. OF 80 AVE	APLIN & MARTIN	PAVED WALKWAY	
V 54-1-6 (F)	WILTSHIRE BLVD BTWN RD 4&5	APLIN & MARTIN	8" SANITARY SEWER	07/05/72
V 54-1-6 (E)	WILTSHIRE BLVD BTWN RD 4&5	APLIN & MARTIN	10" STORM SEWER	07/05/72
V 54-1-6 (C)	WILTSHIRE BLVD BTWN RD 4&5	APLIN & MARTIN	ROAD CONSTRUCTION	
V 73-1-41	132 ST. S. OF 88 AVE	APLIN & MARTIN	12" SANITARY SEWER	01/25/73
V 110-1-55	128 ST. BTWN 88 AVE & PR. CHARLES BLVD., SURREY	APLIN & MARTIN	36" R.C. STORM SEWER	12/18/73
V 123-1-55	128 ST. @ ABOUT 90 AVE	APLIN & MARTIN	ROAD & SIDEWALKS	
V 126-1-41	TULSY CRESCENT	APLIN & MARTIN	A) ROAD & SIDEWALK	06/27/74
V 126-1-41	TULSY CRESCENT	APLIN & MARTIN	B) 6" D.I. WATER	
V 127-1-41	132 ST. S. OF 88 AVE	APLIN & MARTIN	8" D.I. WATER	08/13/74
V 128-1-41	134 ST. S. OF 88 AVE	APLIN & MARTIN	A) ROAD & SIDEWALK	06/10/74
V 128-1-41	134 ST. S. OF 88 AVE	APLIN & MARTIN	B) 6" D.I. WATER	06/10/74
V 129-1-41	EASEMENTS S. OF 88 AVE E. OF 134 ST.	APLIN & MARTIN	B) 21" R.C. STORM	06/10/74

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V 129-1-41	EASEMENTS S. OF 88 AVE E. OF 134 ST.	APLIN & MARTIN	A) 8" A.C. SAN. SEWER	06/10/74
V 359	208 ST. N. OF 48 AVE	APLIN & MARTIN	STORM	
V 360	208 ST. N. OF 48 AVE	APLIN & MARTIN	STORM	
V 361	208 ST. N. OF 48 AVE	APLIN & MARTIN	SANITARY SEWER	
V 362	208 ST. N. OF 48 AVE	APLIN & MARTIN	SANITARY SEWER	
V 408	208 ST. N. OF 48	APLIN & MARTIN	CATCH BASIN LEADS	
V 414-1-41	W. OF 132, S. OF QUEEN MARY	APLIN & MARTIN	SANITARY SEWER	06/02/77
V 483-1-66	BCDC PROPERTY S. OF TILBURY STATION	APLIN & MARTIN	48" CULVERT	06/20/
V 664-1-66	SUBDIVISION W OF TASKER RD. S. OF RIVER RD. IN CUL DE SAC "A	APLIN & MARTIN	ROAD	04/03/78
V 665-1-66	SUBDIVISION W OF TASKER RD. S. OF RIVER RD. IN CUL DE SAC "A	APLIN & MARTIN	CONCRETE CURBS	
V 666-1-66	SUBDIVISION W OF TASKER RD. S. OF RIVER RD. IN CUL DE SAC "A	APLIN & MARTIN	10" SANITARY SEWER	04/07/
V 667-1-66	SUBDIVISION W OF TASKER RD. S. OF RIVER RD. IN CUL DE SAC "A	APLIN & MARTIN	8" WATER	04/14/
V 668-1-66	NORTHERLY ACCESS RD. AT RD. C S. OF RIVER RD. & TILBURY STN.	APLIN & MARTIN	ACCESS ROAD	04/02/78
V 809-1-80	LANE S. OF 82 AVE	APLIN & MARTIN	8" WATER MAIN	
V 810-1-60	W. OF 108 ST. S OF 82 AVE	APLIN & MARTIN	5' ASPHALT SIDEWALK	
V1173.1.24	154 ST S OF 96 AVE.	APLIN & MARTIN	STORM SEWER XING	
V1174.1.24	E OF 154 ST & S OF 96	APLIN & MARTIN	STORM SEWER XING 30"	
V1175.1.24	E OF 154 ST & S OF 96	APLIN & MARTIN	STORM SEWER XING	
V1176.1.24	E OF 154 ST & S OF 96	APLIN & MARTIN	STORM SEWER XING 30"	
V1195.1.25	152 N OF 94TH AVE.	APLIN & MARTIN	RD & CURBS 30" MTP	09/03/80
V1196.1.25	152 N OF 94TH AVE.	APLIN & MARTIN	SIDEWALK - EAST SIDE	09/08/81
V1197.1.25	152 N OF 94TH AVE.	APLIN & MARTIN	SIDEWALK - WEST	09/08/81
V1198.1.25	152 N OF 94TH AVE.	APLIN & MARTIN	STR. LDG. EAST	08/25/80
V1199.1.25	152 N OF 94TH AVE.	APLIN & MARTIN	STR. LDG. WEST	09/08/81
V1257.1.66	76 ST S OF VANTAGE	APLIN & MARTIN	RAILWAY EXT 12"	05/22/81
V1304.1.24	154 ST. S OF 96 AVE	APLIN & MARTIN	TEMP RD 30"	10/06/80
V1305.1.24	154 ST. S OF 96 AVE	APLIN & MARTIN	TEMP RD 30"	10/06/80
V1308.1.24	154 ST. S OF 96 AVE	APLIN & MARTIN	TEMP RD 30"	10/06/80
V1307.1.24	154 ST. S OF 96 AVE	APLIN & MARTIN	TEMP RD 30"	10/06/80
V1446.1.24	W OF 156 S OF 96 AVE	APLIN & MARTIN	SAN SEWER 30	03/21/84
V1700	88TH AVE. & 140 ST	APLIN & MARTIN	SEWER SERV 6"	03/24/82
V1706.1.23	160 ST S OF 96 AVE	APLIN & MARTIN	SEWER 36"	04/15/82
V1708.1.23	160 & 96 AVE	APLIN & MARTIN	SEWER 36	04/15/82
V1752	51 & 208	APLIN & MARTIN	RD WIDENING	
V1753	51 & 208	APLIN & MARTIN	WATERMAIN	
V1771.1.18	96 & 208	APLIN & MARTIN	GRAVEL ROAD	08/04/82
V1772.1.18	96TH & 208TH ST	APLIN & MARTIN	SANITARY SEWER	08/04/82
V2059-1-39A	88 & 148 ST, SURREY	APLIN & MARTIN	ROAD - 148TH	02/08/84
V2060-1-39A	88 & 148 ST, SURREY	APLIN & MARTIN	SAN. SEWER	02/08/84
V2061-1-39A	88 & 148 ST, SURREY	APLIN & MARTIN	STORM SEWER	02/08/84

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V2062-1-39A	88 & 148 ST, SURREY	APLIN & MARTIN	WATER	02/08/84
V2063-1-39A	88 & 148 ST, SURREY	APLIN & MARTIN	ST. LIGHTING	02/08/84
V2064-1-39A	88 & 148 ST, SURREY	APLIN & MARTIN	ROAD - 147TH	02/08/84
V2924	68TH AVE E OF HYLAND	APLIN & MARTIN	WATER SERVICE (19MM)	06/06/84
V2925	68TH AVE E OF HYLAND	APLIN & MARTIN	WATER SERVICE (19MM)	06/06/84
V2926	68TH AVE E OF HYLAND	APLIN & MARTIN	WATER SERVICE (19MM)	06/06/84
V2927	68TH AVE E OF HYLAND	APLIN & MARTIN	WATER SERVICE (19MM)	06/06/84
V2928	68TH AVE E OF HYLAND	APLIN & MARTIN	WATER SERVICE (19MM)	06/06/84
V2967-1-80	N. OF RUNNELL DR. COQ.	APLIN & MARTIN	GRADING	11/06/84
V3056	208TH ST. (48 AVE TO 52 AVE)	APLIN & MARTIN	STREET LIGHTING	10/03/85
V3057	208TH ST. (48 AVE TO 52 AVE)	APLIN & MARTIN	STREET LIGHTING	10/03/85
V3058	208TH ST. (48 AVE TO 52 AVE)	APLIN & MARTIN	STREET LIGHTING	10/03/85
V3059	208TH ST. (48 AVE TO 52 AVE)	APLIN & MARTIN	STREET LIGHTING	10/03/85
V3060	208TH ST. (48 AVE TO 52 AVE)	APLIN & MARTIN	STREET LIGHTING	10/03/85
V3061	208TH ST. (48 AVE TO 52 AVE)	APLIN & MARTIN	STREET LIGHTING	10/03/85
V3062	208TH ST. (48 AVE TO 52 AVE)	APLIN & MARTIN	STREET LIGHTING	10/03/85
V3063	208TH ST. (48 AVE TO 52 AVE)	APLIN & MARTIN	STREET LIGHTING	10/03/85
V3067	208 ST (48 AVE TO 52)	APLIN & MARTIN	ROAD WORK	10/03/85
V3108	68TH AVE	APLIN & MARTIN	STREET LIGHTING	08/28/85
V3109	68TH AVE/138 ST	APLIN & MARTIN	STREET LIGHTING	08/28/85
V3223-1-42	131 ST AT 97 AVE	APLIN & MARTIN	STORM	11/08/85
V3224-1-42	131 ST AT 97 AVE	APLIN & MARTIN	SANITARY	11/08/85
V3273-1-38	152 STREET & 81 AVE	APLIN & MARTIN	ROADWORK 80B AVE.	02/11/87
V3274-1-38	152 STREET & 81 AVE	APLIN & MARTIN	ROADWORK 80A AVE.	02/11/87
V3275-1-38	152 STREET & 81 AVE	APLIN & MARTIN	STORM 80B	02/11/87
V3276-1-38	152 ST & 81 AVE.	APLIN & MARTIN	FR. DRAIN 80B AVE	02/11/87
V3277-1-38	152 ST & 81 AVE.	APLIN & MARTIN	STORM 80A AVE	02/11/87
V3278-1-38	152 ST & 81 AVE.	APLIN & MARTIN	FR DRAIN 80A AVE.	02/11/87
V3279-1-38	152 ST & 81 AVE.	APLIN & MARTIN	STORM 81 AVE	02/11/87
V3280-1-38	152 ST & 81 AVE.	APLIN & MARTIN	SANITARY 80B AVE.	02/11/87
V3281-1-38	152 ST & 81 AVE.	APLIN & MARTIN	SANITARY 80A AVE	02/11/87
V3282-1-38	152 ST & 81 AVE.	APLIN & MARTIN	WATER 80B AVE	02/11/87
V3283-1-38	152 ST & 81 AVE.	APLIN & MARTIN	WATER 80A AVE	02/11/87
V3295-1-17	95A AVE, W OF 216 ST.	APLIN & MARTIN	SANITARY SEWER	08/18/86
V3320	20TH AVE & 152 ST.	APLIN & MARTIN	SERVICE XING	09/24/86
V3337-1-17	216 ST & 96 AVE.	APLIN & MARTIN	250MMO WATERMAIN.	08/07/86
V3351-1-24	159 ST. S OF 95A AVE.	APLIN & MARTIN	SWALE	01/06/88
V3352-1-24	159 ST. S OF 95A AVE.	APLIN & MARTIN	LOT GRADING.	01/06/88
V3353-1-24	159 ST. S OF 95A AVE.	APLIN & MARTIN	2500 SANITARY	10/14/86
V3354-1-24	159 ST. S OF 95A AVE.	APLIN & MARTIN	3000 STORM.	10/14/86
V3425-1-38	152 ST & 81 AVE.	APLIN & MARTIN	DRAINAGE SWALE	
V3436	68TH AVE E. OF 140 ST.	APLIN & MARTIN	WATER SERVICE	03/05/87
V3437	68TH AVE E. OF 140 ST.	APLIN & MARTIN	WATER SERVICE	03/05/87
V3484	152. ST BTW 16TH & 19TH AVE	APLIN & MARTIN		10/21/87
V3540-1-36	180 ST, S OF 80 AVE	APLIN & MARTIN	FILL	04/19/88
V3541-1-36	180 ST, S OF 80 AVE	APLIN & MARTIN	ROAD (WITH SLABS)	04/19/88
V3542-1-36	180 ST, S OF 80 AVE	APLIN & MARTIN	WALKWAY	04/19/88

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V3543-1-36	160 ST, S OF 80 AVE	APLIN & MARTIN	200MM STORM	04/19/88
V3544-1-36	160 ST, S OF 80 AVE	APLIN & MARTIN	450MM STORM	04/19/88
V3545-1-36	160 ST, S OF 80 AVE	APLIN & MARTIN	200MM SANITARY	04/19/88
V3546-1-36	160 ST, S OF 80 AVE	APLIN & MARTIN	450MM SANITARY	
V3547-1-36	160 S/O 80 AVE	APLIN & MARTIN	200MM WATER	04/19/88
V3548-1-36	160 S/O 80 AVE	APLIN & MARTIN	200MM WATER	04/19/88
V3611-1-38	81 AVE & 151 ST	APLIN & MARTIN	LOT GRADING & SWALE	
V3612-1-38	81 AVE & 151 ST	APLIN & MARTIN	ROADWORK	
V3613-1-38	81 AVE & 151 ST	APLIN & MARTIN	SANITARY SEWER	
V3614-1-38	81 AVE & 151 ST	APLIN & MARTIN	WATER MAIN	
V3615-1-38	81 AVE & 151 ST	APLIN & MARTIN	STREET LIGHTING	
V3625-1-38	151 ST & 81 AVE	APLIN & MARTIN	SWALES	
V3102-1-35	168 ST & 80 AVE	APLIN & MARTIN (A&G CONSTR)	ROADWORK	08/12/85
V3103-1-35	168 ST & 80 AVE	APLIN & MARTIN (A&G CONSTR)	STORM SEWER	08/12/85
V3104-1-35	168 ST & 80 AVE	APLIN & MARTIN (A&G CONSTR)	SWALE	08/12/85
V3105-1-35	168 ST & 80 AVE	APLIN & MARTIN (A&G CONSTR)	SANITARY SEWER	08/12/85
V3106-1-35	168 ST & 80 AVE	APLIN & MARTIN (A&G CONSTR)	WATER MAIN	
V3107-1-35	168 ST & 80 AVE	APLIN & MARTIN (A&G CONSTR)	STREET LIGHTING	
V 505-1-65	6" P/L TILBURY IND. PARK PHASE I MAP NO 1-65	APLIN & MARTIN FOR BCDC	ROAD	10/18/
V 506-1-65	6" P/L TILBURY IND. PARK PHASE I MAP NO 1-65	APLIN & MARTIN FOR BCDC	CURB	
V 507	6" P/L TILBURY IND. PARK PHASE I MAP NO 1-65	APLIN & MARTIN FOR BCDC	WATER	11/17/77
V 508	6" P/L TILBURY IND. PARK PHASE I MAP NO 1-65	APLIN & MARTIN FOR BCDC	ROAD	10/18/77
V 509	12" P/L TILBURY IND. PARK PHASE I MAP NO 1-65	APLIN & MARTIN FOR BCDC	CURB	
V 510	12" P/L TILBURY IND. PARK PHASE I MAP NO 1-65	APLIN & MARTIN FOR BCDC	WATER	11/17/77
V 511	ROAD "A" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	ROAD	10/08/
V 512	ROAD "A" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	CURB	
V 513	ROAD "A" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	12" STORM	10/11/77
V 514	ROAD "A" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	18" SANITARY	09/30/77
V 515	ROAD "A" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	12" WATER	11/12/
V 516	ROAD "B" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	ROAD	10/18/
V 517	ROAD "B" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	CURB	
V 518	ROAD "B" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	15" SANITARY	09/13/77
V 519	ROAD "B" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	12" WATER	11/17/77

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V 520	ROAD "A" 24" P/L TILBURY IND. PARK PHASE I	APLIN & MARTIN FOR BCDC	ROAD	11/17/77
V 521	ROAD "A" 24" P/L TILBURY IND. PARK PHASE I	APLIN & MARTIN FOR BCDC	CURB	
V 522	ROAD "A" 24" P/L TILBURY IND. PARK PHASE I	APLIN & MARTIN FOR BCDC	15" SANITARY	10/03/77
V 523	ROAD "A" 24" P/L TILBURY IND. PARK PHASE I	APLIN & MARTIN FOR BCDC	12" WATER	11/17/77
V 524	ACROSS 24" P/L TILBURY IND. PARK PHASE I	APLIN & MARTIN FOR BCDC	30" STORM	10/20/77
V 525	TASKER RD 24" P/L TILBURY IND. PARK PHASE I	APLIN & MARTIN FOR BCDC	ROAD	
V 526-1-65	TASKER RD 24" P/L TILBURY IND. PARK PHASE I	APLIN & MARTIN FOR BCDC	CURB	
V 527-1-65	TASKER RD 24" P/L TILBURY IND. PARK PHASE I	APLIN & MARTIN FOR BCDC	16" WATER	02/13/78
V3010	208 ST. NORTH 52A AVE.	ASEL	ROADWORK	11/20/84
V3011	208 ST. NORTH 52A AVE.	ASEL	ROADWORK	11/20/84
V3027	208 ST NTH 52A AVE	ASEL 3010 & 3011	CATCH BASIN LEAD	
V3026	208 ST NTH 52A AVE	ASEL X REF	DRIVEWAY ACCESS TO PARK	11/20/84
V 31-1-100	LANGAN & KINGSWAY	ASSOCIATED ENGINEERING	SANITARY SEWER	09/20/
V1511.1.76	MAYFAIR IND PARK	ASSOCIATED ENGINEERING	PRELOAD 20"	08/27/81
V2032	LANGLEY BY-PASS & 208 ST	ASSOCIATED ENGINEERING	CULVERT	09/12/83
V3537-1-98	KINGSWAY	ASSOCIATED ENGINEERING	SANITARY SEWER	
V3538-1-98	TRENTON ST	ASSOCIATED ENGINEERING	SANITARY SEWER	
V3369-1-19	19926-96 AVE.	ASSOCIATED PROJECT MANAGEMENT	CONC. SLABS	07/08/86
V3376-1-19	19926-96 AVE.	ASSOCIATED PROJECT MANAGEMENT	TEMP. EQUIPMENT XING	09/15/86
V 131-1-20	18646 - 96 AVE., SURREY	ATCO LEASING	LEVELLING, FILLING	
V1946 ????	134TH STR. SOUTH OF 96 AVE, SURREY	B & B	ROAD	04/02/83
V1947-1-54	134TH STR. SOUTH OF 96 AVE, SURREY	B & B	WATER	04/02/83
V1949-1-54	134TH STR. SOUTH OF 96 AVE, SURREY	B & B	STORM SEWER	04/02/83
V1950-1-54	134TH STR. SOUTH OF 96 AVE, SURREY	B & B	SWALE	
V1951-1-54	134TH STR. SOUTH OF 96 AVE, SURREY	B & B	SWALE	
V1952-1-54	134TH STR. SOUTH OF 96 AVE, SURREY	B & B	STREET LIGHTING	
V3603	HOPCOTT RD (TILBURY SAWMILL)	B.C. FOREST PRODUCTS	WATER LINE	
V3622-1-89	7515 HOPCOTT RD	B.C. FOREST PRODUCTS	250MM WATER 6"	05/19/88
V3623-1-89	7515 HOPCOTT RD	B.C. FOREST PRODUCTS	250MM WATER 12"	
V 109-1-5	APPROX. 1500' S. OF FRASER HWY, 12000' E. OF BRADNER	B.C. HYDRO	500 KV OVERHEAD POWER LINE	12/18/73
V 117-1-56	SURREY SERVICE CENTRE 86 AVE. W. OF 124 ST.	B.C. HYDRO	24" DRAINAGE CULVERT	06/11/73

BC HYDRO AND POWER AUTHORITY
FRASER VALLEY GAS DIVISION
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FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V 179-1-55 56	88 AVE. E. OF 124 ST. SURREY SERVICE CENTER.	B.C. HYDRO	30" STORM SEWER	09/20/74
V 193-1-56	124 ST. & 86 AVE. SURREY SERVICE CENTER.	B.C. HYDRO	24" A.C. STORM SEWER	04/22/75
V 207-1-41	S. OF 878 AVE XING 134 ST.	B.C. HYDRO	U/G CABLE	09/24/74
V 208-1-41	TULSY CR. S. OF 878 AVENUE	B.C. HYDRO	U/G CABLE	09/24/74
V 215-1-39	146 ST. & RD. D S. OF 88 AVE	B.C. HYDRO	U/G CABLE	12/ /74
V 246-1-41	QUEEN MARY W. OF 132 ST.	B.C. HYDRO	U/G ELECTRICAL CABLE	
V 273-1-56	124 ST. S. OF 88 AVE.	B.C. HYDRO	ROAD CROSSINGS	
V 328	64 ST. E. OF #17 HIGHWAY	B.C. HYDRO	UNDERGROUND CABLE	04/28/76
V 329	57B ST. W. OF #17 HIGHWAY	B.C. HYDRO	UNDERGROUND CABLE	04/29/76
V 330	28 AVE E. OF 53 ST.	B.C. HYDRO	UNDERGROUND CABLE	04/30/76
V 331	#17 HWY & 52 ST.	B.C. HYDRO	UNDERGROUND CABLE	05/03/76
V 333-1-103	BURY & WILSON - PT. COQ.	B.C. HYDRO	UNDERGROUND ELECTRIC	05/06/76
V 374-1-83	BURRARD MILE .3	B.C. HYDRO	230 KV AERIAL XING	
V 375-1-82 83	(A & B) MERIDIAN MILE .9	B.C. HYDRO	230 KV AERIAL XING	
V 376-1-82 83	BURRARD MILE 0.5	B.C. HYDRO	230 KV AERIAL XING	
V 377-1-76 77	MERIDIAN MILE 6.	B.C. HYDRO	230 KV AERIAL XING	
V 459	BENSON ROAD (72 ST. & 400 FREEWAY)	B.C. HYDRO	OVERHEAD POWER LINE	
V 498-1-14	89B AVE. E. OF GAY ST., LANG.	B.C. HYDRO		
V 499	EASTLEIGH CR. E. OF GLOVER	B.C. HYDRO		
V 561	208 ST. S. OF DOUGLAS CR.	B.C. HYDRO	U/G CABLE	
V 601	194A ST ALOHA N. OF 70 AVE	B.C. HYDRO		02/10/78
V 623-1-56	AT 124 ST., SURREY	B.C. HYDRO	24" STORM SEWER	05/03/78
V 632-1-8	52 AVE. W. OF 240 ST., LANGLEY	B.C. HYDRO		
V 685-1-17	S. 96 AVE. & 213 ST., LANG.	B.C. HYDRO	U/G STEEL DUCT	05/08/78
V 741-1-80	M/S COLLECTOR W. OF BARNET HIGHWAY	B.C. HYDRO	U/G ELECTRICAL	07/09/78
V 917-1-77	AUSTIN AVE E. OF HICKEY DR.	B.C. HYDRO	O/H PRIMARY-266.8 KCM	
V 918-1-77	N. OF MATHEWSON RD. S OF AUSTIN	B.C. HYDRO	ANCHOR GUY PRIMARY	
V1021-1-100	1515 KINGSWAY PT COQUITLAM	B.C. HYDRO	U/G ELECTRICAL DUCT	09/25/79
V1089	18TH AVE. & 152ND ST.	B.C. HYDRO	ELEC. DUCT 8" TP	
V1102.1.38	151 ST. E. 85 A AVE.	B.C. HYDRO	ELEC. DUCTS 18" NTP	
V1103.1.38	151 & 85 AVE.	B.C. HYDRO	ELEC. DUCTS 18"NTP	
V1180.1.8	248 ST & 48 AVE	B.C. HYDRO	O/H ELE XING 30 & 42	
V1281	20 AVE & 152 ST	B.C. HYDRO	ELEC DUCT 8"	10/01/80
V1314.1.85	S OF RIVER RD E OF 76	B.C. HYDRO	U/G 24"	
V1386.1.47	CURRIE DR W OF 143A	B.C. HYDRO	U/G 24"	01/28/81
V1391.1.79	SPURAWAY & MARINER	B.C. HYDRO	O/H 20"	
V1437.1.78	COMO LAKE RD.	B.C. HYDRO	OVERHEAD 20"	05/06/81
V1444.1.78	COMO LAKE RD.	B.C. HYDRO	O/H 12"	05/06/81
V1447.1.77	CAPE HORN	B.C. HYDRO	O/H 04.07	
V1465	GLADWIN & SAANICH	B.C. HYDRO	U/G ELEC 6"	
V1468.1.17	212B S OF 95A AVE	B.C. HYDRO	U/G 30"	
V1471.1.25	148 ST S OF 96 AVE	B.C. HYDRO	U/G DUCTS 30"	06/04/81

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V1496	GLADWIN & OKANAGAN	B.C. HYDRO	U/G 6"	07/10/81
V1518.1.56	88TH & 124 ST	B.C. HYDRO	ROAD 24"	09/11/81
V1519.1.56	88TH & 124 ST	B.C. HYDRO	FIRE MAIN 24"	05/12/82
V1520	88TH & 124 ST	B.C. HYDRO	WATER MAIN 24"	05/18/82
V1521.1.56	88TH & 124 ST	B.C. HYDRO	SANITARY SEWER 24"	04/30/82
V1522.1.56	88TH & 124 ST	B.C. HYDRO	ELEC DUCT 24"	05/25/82
V1621.1.99	1645 KINGSWAY	B.C. HYDRO	ELEC DUCT 12"	11/26/81
V1669.1.100	KINGSWAY E OF CT MER	B.C. HYDRO	U/G 12"	12/15/81
V1669.1.91	216 ST & D. T.	B.C. HYDRO	U/G DUCTS 12"	05/19/83
V1698.1.102	WILSON & MARY HILL	B.C. HYDRO	U/G DUCT 12"	02/26/82
V1701.1.77	CAPE HORN & MATHEWSON	B.C. HYDRO	U/G DUCT 20"	03/24/82
V1705.1.31	68 AVE W OF 200 ST	B.C. HYDRO	O/H 18"	
V1728.1.31	197B ST & 68 AVE	B.C. HYDRO	POLE	
V1747.1.31	68 W OF 200 ST.	B.C. HYDRO	O/H WIRE	
V1796	GLADWIN & HARWOOD	B.C. HYDRO	U/G TP	11/02/82
V1874	3600 BLK 72 ST	B.C. HYDRO	U.G.	10/26/82
V1875	3600 BLK 72 ST	B.C. HYDRO	U.G.	10/26/82
V1876	3600 BLK 72 ST	B.C. HYDRO	U.G.	10/26/82
V1937	32859 MISSION WAY	B.C. HYDRO	UG 25 KV CABLE	02/25/83
V1945-1-103	SHARPE & CONO LAKE RD COQ.	B.C. HYDRO	UNDERGROUND DUCT	02/14/83
V1946-1-23	164TH SOUTH OF 96 AVE, SURREY	B.C. HYDRO	UNDERGROUND DUCT	05/16/83
V2073	208 ST. N. OF 44 AVE.	B.C. HYDRO	ELECT. DUCT	03/06/84
V2897	GLADWIN RD S. OF ROSSLAND	B.C. HYDRO	DUCTS	03/26/87
V2929-1-94	202 ST, N OF DEWDNEY TRUNK	B.C. HYDRO	U/G DUCT	03/26/87
V2949	GLADWIN RD. S/O MACLURE	B.C. HYDRO	U/G DUCT	08/09/84
V3013-1-77	N OF HICKEY DR. COQ. (SEE ALSO V3023-1-77)	B.C. HYDRO	20" U/G ELEC.	10/22/84
V3046	137A ST. NTH OF 68 AVE.	B.C. HYDRO	U/G DUCT	04/23/85
V3072	5978 GLOVER RD. LANGLEY	B.C. HYDRO	3" DIA. PLASTIC DUCT	03/18/85
V3080	DEWDNEY TRK RD W OF GARIBALDI	B.C. HYDRO	CURB & ASPHALT	03/26/87
V3099-1-69	7515 HOPCOTT RD	B.C. HYDRO	6" WATERLINE	09/30/85
V3100-1-69	7515 HOPCOTT RD	B.C. HYDRO	12" WATERLINE	09/30/85
V3140-1-62	MORDEL INTERCHANGE	B.C. HYDRO	24" U/G DUCT.	11/22/85
V3141-1-62	ANNACIS HWY DELTA	B.C. HYDRO	36" U/G DUCT.	11/22/85
V3297	GLADWIN RD S FRASER WAY	B.C. HYDRO	U/G DUCT.	
V3308	5449-208 ST LANGLEY.	B.C. HYDRO	U/G ELEC DUCT & TEL	05/27/86
V3306	DAHLSTROM AVE W/O GLADWIN	B.C. HYDRO	DUCT	05/21/86
V3324-1-87	HARRISON RD MAPLE RIDGE	B.C. HYDRO	U/G DUCT	01/05/88
V3401-1-94	207 & DEWDNEY TRUNK NR	B.C. HYDRO	U/G DUCT.	01/13/87
V3402-1-94	207 & DEWDNEY TRUNK	B.C. HYDRO	U/G DUCT	01/13/87
V3420-1-38	80A AVE. E/O 150 ST.	B.C. HYDRO	U/G DUCT	02/11/87
V3421-1-38	80B AVE. E/O 150 ST.	B.C. HYDRO	U/G DUCT	02/11/87
V3423	2101-152 ST, SURREY	B.C. HYDRO	2-4" PLASTIC ELECT. DUCTS	12/09/86
V3502-1-40	140A ST. S OF 88 AVE.	B.C. HYDRO	U/G ELECTRICAL	09/09/87
V3520	152 ST 18 AVE	B.C. HYDRO	ELEC & BC TEL	10/27/87
V3534-1-77	N OF HICKEY W OF MARINER	B.C. HYDRO	U/G ELEC.	02/26/88
V3535-1-40	140 ST S OF 88 AVE	B.C. HYDRO	U/G ELEC.	

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V3555-1-55	126 ST. @ 89 AVE SURREY	B.C. HYDRO	BCH	
V3627-1-70	N OF CNR TRACKS, TILBURY ISL.	B.C. HYDRO	O/H ELEC 20"	
V3628-1-70	N OF CNR TRACKS, TILBURY ISL.	B.C. HYDRO	O/H ELEC 24"	
V3646-1-23	161 ST S OF 95A AVE	B.C. HYDRO	ELEC DUCTS	
V 426	12 AVE. E. OF 53A ST.	B.C. HYDRO - B.C. TELEPHONE	TEL DUCT	
V 452-1-55	88 AVE. & 124 ST.	B.C. HYDRO - M D LEA & ASSOC	CURB	
V 453-1-55	88 AVE. & 124 ST.	B.C. HYDRO - M D LEA & ASSOC	SIDEWALK	
V 454-1-55	88 AVE. & 124 ST.	B.C. HYDRO - M D LEA & ASSOC	STORM SEWER	03/09/77
V 455-1-55	88 AVE. & 124 ST.	B.C. HYDRO - M D LEA & ASSOC	STREET LIGHTING	
V 456-1-69	S. SIDE RIVER ROAD W. TILBURY	B.C. HYDRO - VINCE MASEK		
V 457-1-69	S. SIDE RIVER ROAD W. TILBURY	B.C. HYDRO - VINCE MASEK	OVERHEAD POWER LINES	
V 458-1-69	S. SIDE RIVER ROAD W. TILBURY	B.C. HYDRO - VINCE MASEK		
V 212-1-81	MERIDIAN SUB STN.	B.C. HYDRO CONSTRUCTION	2 12" CULVERT XINGS	09/16/74
V1885-1-77	CAPE HORN INTCHGE. COQ	B.C. HYDRO DSTN DOS	U/G ELECTRIC	10/26/82
V 11-1-8	236 ST. W. OF 52 AVE	B.C. HYDRO ELECTRICAL		02/ /71
V 58	12 AVE E. OF 53A ST	B.C. HYDRO ELECTRICAL	U/G CABLE	10/16/72
V 61 (A)	STUART PL & STUART CR.	B.C. HYDRO ELECTRICAL	U/G CABLE	08/ /72
V 61 (B)	RIVERSIDE ROAD	B.C. HYDRO ELECTRICAL	U/G CABLE	08/ /72
V 66-1-23	164 ST. S. OF 96 AVE	B.C. HYDRO ELECTRICAL	U/G CABLE DUCTS (3)	07/27/72
V 67-1-61	CANTERBURY HEIGHTS SUBDIV. (A)	B.C. HYDRO ELECTRICAL	U/G CABLE	07/26/72
	MODESTO DR (B) WILTSHIRE BLVD			
V 90	56 ST. @ 4 LOCATIONS BETWEEN VIEW & 14B	B.C. HYDRO ELECTRICAL	U/G ELECTRICAL CONDUIT	
V 99-1-50	W. OF 140 ST. & 103A AVE	B.C. HYDRO ELECTRICAL	4" TRANSITE DUCTS	07/05/73
V 121-1-103 (B)	WILSON AVE @ BURY ST. - COQUITLAM	B.C. HYDRO ELECTRICAL	4" MANHOLE DRAIN	
V 121-1-103 (A)	WILSON AVE @ BURY ST. - COQUITLAM	B.C. HYDRO ELECTRICAL	6 X 4" DUCT	
V 135-1-43	127A ST. S. OF 100 AVE	B.C. HYDRO ELECTRICAL	U/G ELECTRIC	06/02/75
V 148-1-79	HAWSER AVE. W. OF MARINER WAY - COQUITLAM	B.C. HYDRO ELECTRICAL	CABLE XING	
V 149-1-77	N. OF MATHEWSON AVE - COQ.	B.C. HYDRO ELECTRICAL	CABLE XING	
V 155	8600 BLK. 124 ST.	B.C. HYDRO ELECTRICAL	3" STEEL COMMUNICATION DUCT	02/27/74
V 156-1-55 77	150' W. OF MATHEWSON - COQ.	B.C. HYDRO ELECTRICAL		
V 223-1-59	111A & 111B W. OF 84 AVE	B.C. HYDRO ELECTRICAL	B) U/G CABLE	12/04/74
V 223-1-59	111A & 111B W. OF 84 AVE	B.C. HYDRO ELECTRICAL	A) U/G CABLE	12/04/74
V 227-1-43	GLADWIN S. OF FRASER HWY	B.C. HYDRO ELECTRICAL	A) ELECTRICAL DUCT	
V 227-1-43	GLADWIN S. OF FRASER HWY	B.C. HYDRO ELECTRICAL	B) ELECTRICAL DUCT	
V 228-1-93	CONO LAKE W. OF SPURAWAY	B.C. HYDRO ELECTRICAL	230 KV LINE	08/15/75
V 241-1-93	W. OF 212, S. OF WICKLUND	B.C. HYDRO ELECTRICAL	B) U/G ELECT CABLE	06/13/75
V 241-1-93	W. OF 212, S. OF WICKLUND	B.C. HYDRO ELECTRICAL	A) U/G ELECT CABLE	06/13/75
V 241-1-93	W. OF 212, S. OF WICKLUND	B.C. HYDRO ELECTRICAL	C) U/G ELECT CABLE	
V 241-1-93	W. OF 212, S. OF WICKLUND	B.C. HYDRO ELECTRICAL	D) U/G ELECT CABLE	
V 243-1-93	210 ST. N. OF D.T. ROAD	B.C. HYDRO ELECTRICAL		
V 277-1-105	LOUGHEED HWY DIVERSION & CONO LAKE SUB.	B.C. HYDRO ELECTRICAL	230 KV CABLE	01/31/76
V 278	52 ST. S. OF #17 HIGHWAY	B.C. HYDRO ELECTRICAL	U/G	

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V 280-1-50	S. OF 103A AVE W OF 140 ST. HYDRO ELEC. SUB STN.	B.C. HYDRO ELECTRICAL	UNDERGROUND ELECTRIC	09/22/75
V 289-1-78	AUSTIN E. OF HICKEY	B.C. HYDRO ELECTRICAL	O/H 80 KV & 500 KV T/L	
V 317-1-52	BALLOUGH (95 AVE) W. OF 131A	B.C. HYDRO ELECTRICAL		11/03/76
V 318-1-38 39	RD. B.S. OF 88, W. OF 150TH	B.C. HYDRO ELECTRICAL		03/ /76
V 319-1-38 39	150 ST. S. OF RD. "B"	B.C. HYDRO ELECTRICAL		03/08/76
V 320-1-38 39	86 AVE. E. OF 150 ST.	B.C. HYDRO ELECTRICAL		03/15/76
V 350-1-41	TULSY CR. N. OF 87A AVE	B.C. HYDRO ELECTRICAL	U/G CABLE	01/24/77
V 475-1-93	210 ST. N. OF DEWDNEY T. RD.	B.C. HYDRO ELECTRICAL	U/G CABLE	06/16/
V 533-1-80	E. OF CORNWALL ST. AND N. OF BARNET HIGHWAY	B.C. HYDRO ELECTRICAL		
V 536-1-79	BARNET HIGHWAY W. OF BOND ST.	B.C. HYDRO ELECTRICAL		
V 575-1-76	LEEDER AVE EXT. COQ. (MAYFAIR)	B.C. HYDRO ELECTRICAL		
V 580-1-76	BRAID ST. COQ. (MAYFAIR)	B.C. HYDRO ELECTRICAL		
V 594	COMO LAKE S. OF LOUGHEED	B.C. HYDRO ELECTRICAL	U/G CABLE	01/12/78
V 615-1-101	KINGSWAY S. OF WILSON, P. COQ	B.C. HYDRO ELECTRICAL	U/G ELECT. DUCT	02/15/78
V 621-1-93	211 ST. S. OF 121 AVE., M.R.	B.C. HYDRO ELECTRICAL		12/30/77
V 693	52A AVE & 208 ST.	B.C. HYDRO ELECTRICAL		05/11/78
V 707	51 ST. SOUTH OF 11A AVENUE	B.C. HYDRO ELECTRICAL		
V 708	51 ST. SOUTH OF 11A AVENUE	B.C. HYDRO ELECTRICAL		
V 709	51 ST. SOUTH OF 11A AVENUE	B.C. HYDRO ELECTRICAL		
V 713-1-41	91A AVE E. OF PR. CHARLES	B.C. HYDRO ELECTRICAL	U/G DUCT	04/27/79
V 788-1-8	S. OF 56 AVE & W. OF 232 ST.	B.C. HYDRO ELECTRICAL		05/04/79
V 870-1-15	WRIGHT RD S. SAILES RD. LANG.	B.C. HYDRO ELECTRICAL	OVERHEAD EL. 30" MTP	
V 905-1-27	22901 - 56 AVE., LANGLEY	B.C. HYDRO ELECTRICAL	O/H ELECT. XING 18" MTP	
V 906-1-98	MARYHILL BYPASS	B.C. HYDRO ELECTRICAL	O/H ELECT. XING 18" MTP	
V 907-1-98	MARYHILL BYPASS	B.C. HYDRO ELECTRICAL	ANCHOR INSTALLATIONS	
V 916-1-98	MARYHILL BYPASS	B.C. HYDRO ELECTRICAL	60 KV ELECT	
V 938-1-100	KINGSWAY & LANGAN, PT. COQ.	B.C. HYDRO ELECTRICAL	DUCT INSTALL'N XING 12" MTP	11/05/79
V 950-1-102	WILSON RD. E. OF DONALD RD.	B.C. HYDRO ELECTRICAL	DUCT XING 12" MTP	09/24/79
V 978-1-53	92 AVENUE & KING GEORGE HWY	B.C. HYDRO ELECTRICAL	DUCTWORK IN R/W	09/12/79
V1057	24 AVENUE & 142 STREET	B.C. HYDRO ELECTRICAL	DUCTS 8" T.P.	
V1068	24 AVENUE & 144 STREET	B.C. HYDRO ELECTRICAL	DUCTS 8" T.P.	
V1110.1.103	COMO LAKE & WESTWOOD	B.C. HYDRO ELECTRICAL	U/G ELECTRICAL DUCT	08/28/80
V1114.1.103	COMO LAKE & WESTWOOD	B.C. HYDRO ELECTRICAL	U/G EL. DUCT/W. CROSS	08/28/80
V1148	CEDAR ST	B.C. HYDRO ELECTRICAL	POLE RELOCATION	
V1152	ACCESS RD W OF KINGSWAY	B.C. HYDRO ELECTRICAL	ELEC U/G DUCT XING	
V1158.1.103	COMO LAKE & WESTWOOD	B.C. HYDRO ELECTRICAL	U/G ELEC DUCT X 12"	07/17/80
V1159.1.56	124 E. 88 AVE.	B.C. HYDRO ELECTRICAL	ROADWAY	06/12/80
V1178.1.79	N OF COMO LK. & W OF MARINER	B.C. HYDRO ELECTRICAL	ELECT DUCT XING 30"	08/22/80
V1235.1.76	TAPPEN W OF GOLDEN	B.C. HYDRO ELECTRICAL	25 KV U/G 20"	
V1253.1.8	48B AVE W OF 248 ST	B.C. HYDRO ELECTRICAL	O/H EL 42"	
V1254.1.8	48B AVE W OF 248 ST	B.C. HYDRO ELECTRICAL	O/H EL 30"	
V1255.1.19	198 S OF 96 AVE	B.C. HYDRO ELECTRICAL	O/H EL 30"	
V2051	5844 GLOVER RD	B.C. HYDRO ELECTRICAL	ELEC	10/06/83
V2958-1-78	MARINER WAY @ CHILKO DR COQ	B.C. HYDRO ELECTRICAL	U/G ELEC DUCT	04/28/87
V2978-1-80	N OF 84 AVE W OF SULLIVAN PL	B.C. HYDRO ELECTRICAL	230 KV AERIAL	09/28/84

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FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V2979-1-60	82 AVE, W OF 108 ST	B.C. HYDRO ELECTRICAL	230 KV AERIAL	09/28/84
V2980-1-62	WEST OF DELTA GATE	B.C. HYDRO ELECTRICAL	230 KV AERIAL	09/28/84
V2981-1-63	EAST OF RIVER RD	B.C. HYDRO ELECTRICAL	230 KV AERIAL	09/28/84
V2982-1-60	EAST OF RIVER RD	B.C. HYDRO ELECTRICAL	RIDER POLES	09/28/84
V3645	152ND ST & 20TH AVE	B.C. HYDRO ELECTRICAL	2-4" DUCTS	
V 444	11A AVE & 51 ST.	B.C. HYDRO ELECTRICAL & B.C. TEL	2-3" DUCTS	05/19/
V 93-1-55	124 ST. S. OF 86 AVE	B.C. HYDRO ENGINEERING	12" D.I. WATER PIPE	10/16/73
V 94-1-55	88 AVE. E. OF 124 ST.	B.C. HYDRO ENGINEERING	10" SEWER	11/01/73
Y2004-1-56	88 AVE & 120 ST., SURREY	B.C. HYDRO GAS ENGINEERING	DRIVEWAY (TO EAST)	
V1019	152 ST. & S OF 84 AVENUE	B.C. HYDRO R/R	U/G DUCT	
V 622-1-56	S. OF 86 AVENUE	B.C. HYDRO RESEARCH & DEVELOP.		
V 624	S. OF 86 AVENUE @ 124 ST.,	B.C. HYDRO RESEARCH & DEVELOP.		09/24/77
V 625	S. OF 86 AVENUE @ 124 ST.,	B.C. HYDRO RESEARCH & DEVELOP.		
V3321-1-79	DEWDNEY TR. RD., COQUITLAM	B.C. HYDRO.	U/G DUCT	10/30/66
V2005-1-56	88 AVE & 120 ST., SURREY	B.C. HYDRO GAS ENGINEERING	DRIVEWAY (TO WEST)	
V 16-1-55	88 AVE. E. OF 124 ST.	B.C. TELEPHONE	U/G CONDUIT	02/23/71
V 36	LOUGHEED AT DONATELLI	B.C. TELEPHONE	B.C. TEL U/G CABLE	
V 37	LOUGHEED AT MCLEAN	B.C. TELEPHONE	B.C. TEL U/G CABLE	
V 50-1-88	LOUGHEED E. OF 227 ST.	B.C. TELEPHONE	CONDUIT INSTALLATION	09/29/72
V 62		B.C. TELEPHONE	PLASTIC CABLE DUCT	
V 64-1-42 (B)	STUART PLACE, SURREY	B.C. TELEPHONE		
V 64-1-42 (A)	STUART CRESCENT, SURREY	B.C. TELEPHONE		
V 68	56 ST. AT 14A AVE, TSANWASSEN	B.C. TELEPHONE	TELEPHONE CABLE DUCT	
V 70-1-23	164 ST. S. OF 96 AVE	B.C. TELEPHONE	U/G CABLE	07/27/72
V 77-1-79	COMO LAKE AT SPURAWAY	B.C. TELEPHONE		
V 82	56 ST. & 18 AVE.	B.C. TELEPHONE	PVC DUCT INSTALLATION	06/02/73
V 84-1-42	RD. 9 E. OF 9300 BLK. PRINCE CHARLES	B.C. TELEPHONE	CABLE	
V 95-1-34	HARVIE RD. W. OF FR. HWY	B.C. TELEPHONE	BURIED CABLE	04/02/73
V 111-1-29	GLOVER RD. BTWN LOGAN & SPRINGBROOK, LANGLEY	B.C. TELEPHONE	U/G DUCT	
V 112 (A-E)	208 ST., FRASER HIGHWAY TO 48 AVENUE LANGLEY	B.C. TELEPHONE		
V 137-1-43	127A ST. S. OF 100 AVE	B.C. TELEPHONE	U/G CABLE	
V 137-1-43	127A ST S OF 100 AVE	B.C. TELEPHONE	U/G CABLE	
V 165-1-79	HAWSER W. OF MARINER	B.C. TELEPHONE	2 - 3" DUCTS'	
V 168-1-89	224 ST.W. OF D.T. ROAD	B.C. TELEPHONE	U/G CABLE	04/25/74
V 177-1-50	104 AVE E. OF 140 ST.	B.C. TELEPHONE	U/G CABLE	05/02/74
V 182-1-7	264 ST. N. OF 40 AVE	B.C. TELEPHONE	U/G DUCT	07/04/74
V 183	GLADWIN & SOUTH FR. WAY	B.C. TELEPHONE	U/G DUCT	08/09/74
V 185-1-97	LOUGHEED & KENNEDY - P. WOODY	B.C. TELEPHONE	U/G CABLE	06/12/74
V 190-1-43	128 ST. S. OF 100 AVE	B.C. TELEPHONE		10/29/74
V 206-1-39	S. OF 88 AVE W. OF 146 ST.	B.C. TELEPHONE	B)	
V 206-1-39	S. OF 88 AVE W. OF 146 ST.	B.C. TELEPHONE	A)	
V 219-1-41	134 ST. & TULSY CR.	B.C. TELEPHONE	U/G CABLE (A & B)	09/24/74
V 222	210 ST. S. OF WICKLUND	B.C. TELEPHONE		11/13/74

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FRASER VALLEY GAS DIVISION
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FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V 229-1-93	111A & 111B S. OF 85 AVE	B.C. TELEPHONE		12/ /74
V 247-1-93	212 ST. S. OF WICKLUND	B.C. TELEPHONE		
V 253-1-41	90 AVE. & 130 ST.	B.C. TELEPHONE	U/G CABLE	
V 262-1-44	OLD YALE W OF SCOTT RD	B.C. TELEPHONE	U/G CABLE	
V 262-1-44	OLD YALE W. OF SCOTT	B.C. TELEPHONE	U/G TELEPHONE CABLE	
V 265-1-79 80	BARNET HWY W. OF BOND	B.C. TELEPHONE	U/G CABLE	07/03/75
V 276-1-1	WHATCOM ROAD	B.C. TELEPHONE	UNDERGROUND CABLE	11/05/75
V 287	64 AVE. & 152 ST.	B.C. TELEPHONE		
V 293-1-94	S. OF 120B & W. OF 214 ST.	B.C. TELEPHONE		
V 297	64 AVE & 152 ST.	B.C. TELEPHONE		
V 302-1-3	FOY S. OF MARSHALL	B.C. TELEPHONE	CANCELLED - SEE V328 TO V331	
V 312-1-38 39	S. OF 86 & E. OF 150 ST.	B.C. TELEPHONE		
V 323-1-39	150 ST. & RD. B (N. OF 86TH)	B.C. TELEPHONE		03/15/76
V 324-1-39	RD. B W. OF 150 ST.	B.C. TELEPHONE		03/15/76
V 325-1-38 39	86 AVE E. OF 150 ST.	B.C. TELEPHONE		03/15/76
V 340-1-4	ROSS S. OF SUNVALLEY CR.	B.C. TELEPHONE		
V 343	246A ST. S. OF 50 AVE	B.C. TELEPHONE	CANCELLED - SEE PERMIT V346	
V 345-1-6	MACLURE W. OF BRADNER	B.C. TELEPHONE	AERIAL CABLE	
V 346-1-8	246A ST. S. OF 50 AVE	B.C. TELEPHONE	AERIAL CABLE	
V 348	104 AVE & 272 ST.	B.C. TELEPHONE	U/G DUCT	04/06/76
V 356-1-41	TULSY CR. N. OF 87A AVE	B.C. TELEPHONE	U/G CABLE	01/24/77
V 365-1-5 6	BRADNER RD. S. OF MACLURE	B.C. TELEPHONE	AERIAL CABLE	
V 369	A-F 264 ST. BETWEEN 80 & 88 AVES.	B.C. TELEPHONE	DUCT XING	
V 372-1-13 14	88 AVE W. OF TRATTLE RD.	B.C. TELEPHONE	U/G CABLE	09/29/
V 384-1-2	MCCALLUM S. OF MCCONNELL	B.C. TELEPHONE	AERIAL CABLE	
V 400-1-5	FRASER HWY E. OF BRADNER	B.C. TELEPHONE	AERIAL CABLE	
V 403-1-93	LAITY ST. N. OF D.T. RD.	B.C. TELEPHONE	U/G CABLE	12/01/76
V 406-1-37	152 ST. & REG. STN.	B.C. TELEPHONE		10/15/76
V 430	GRADE CR. & 208 ST.	B.C. TELEPHONE		
V 431-1-93	212 ST., MAPLE RIDGE	B.C. TELEPHONE	(A-D) U/G DUCTS	
V 448	51 ST. & 11A AVE	B.C. TELEPHONE		
V 468	14 AVE E. OF 55A ST.	B.C. TELEPHONE		
V 476	48 AVE. E. OF 272 ST.	B.C. TELEPHONE		07/28/
V 477	208 ST. & DOUGLAS CR.	B.C. TELEPHONE	U/G CONDUIT	06/23/
V 489	208 ST. S. OF DOUGLAS	B.C. TELEPHONE		
V 490-1-93	210 ST. N. OF DEWDNEY TRUNK	B.C. TELEPHONE		
V 497	EASTLEIGH CR. E. OF GLOVER	B.C. TELEPHONE		06/14/77
V 500	EASTLEIGH CR. E. OF GLOVER	B.C. TELEPHONE	(EAST OF V497) IN SAME FILE	06/14/77
V 530-1-80	N. OF BARNET HWY BETWEEN CORNWALL & LANSDOWNE	B.C. TELEPHONE		
V 538-1-1	WHATCOM RD. S. OF VYE RD.	B.C. TELEPHONE		
V 539	208 ST. S. OF DOUGLAS CR.	B.C. TELEPHONE		
V 545	208 ST.	B.C. TELEPHONE		
V 546-1-14	89B W. OF TRATTLE	B.C. TELEPHONE		
V 547-1-19	192 ST. S. OF 96 AVE	B.C. TELEPHONE		
V 584-1-76	BRAID STREET EAST OF LEEDER	B.C. TELEPHONE		

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FRASER VALLEY GAS DIVISION
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FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V 604-1-93	211 ST. N. OF D.T. ROAD	B.C. TELEPHONE		12/30/78
V 605-1-41	88 AVE W. OF 132 ST.	B.C. TELEPHONE	U/G CABLE	05/04/78
V 663-1-31	ALOHA DR. N. OF 70 AVE.	B.C. TELEPHONE	3" DUCT	
V 679	208 ST. S. OF DOUGLAS CR.	B.C. TELEPHONE		
V 699-1-27	224 ST. N. OF 57A AVE	B.C. TELEPHONE		
V 702-1-3	MARSHALL RD. DIV. W. OF CLEARBROOK RD.	B.C. TELEPHONE	1) 30"	06/02/78
V 703-1-3	MARSHALL RD. DIV. W. OF CLEARBROOK RD.	B.C. TELEPHONE	2) 42"	06/02/78
V 714-1-4	PEARDONVILLE N. OF MARSHALL ROAD EXTENSION	B.C. TELEPHONE	42" OVERHEAD	
V 718-1-4	PEARDONVILLE N. OF MARSHALL RD. EXTENSION	B.C. TELEPHONE	30" OVERHEAD	
V 719-1-1	ANGUS CAMPBELL RD. S. OF VYE RD., ABBOTSFORD	B.C. TELEPHONE	30"	11/15/78
V 720	ANGUS CAMPBELL RD. S. OF VYE RD., ABBOTSFORD	B.C. TELEPHONE	42"	11/15/78
V 759-1-41	91A AVE E. OF PR. CHARLES	B.C. TELEPHONE		03/27/79
V 762-1-65	80 ST. S. OF RIVER RD.	B.C. TELEPHONE		
V 763-1-80	S. COLLECTOR RD., COQUITLAM	B.C. TELEPHONE		09/07/79
V 764-1-48	110 AVE E. OF 140A ST.	B.C. TELEPHONE		
V 832-1-12	RAWLINSON CR.	B.C. TELEPHONE	12"	
V 833-1-12	E. OF 232 ST.	B.C. TELEPHONE	30"	
V 837-1-31	200 ST. S. OF 68 AVE	B.C. TELEPHONE		03/15/79
V 846-1-65	ROAD C - TILBURY ISLAND	B.C. TELEPHONE	6" TRANS.	
V 847-1-65	ROAD C - TILBURY ISLAND	B.C. TELEPHONE	12" TRANS.	
V 848-1-66	TILBURY PARK-76 ST. S. OF VANTAGE WAY, CNR R/W	B.C. TELEPHONE		
V 858	RIVERSIDE RD. @ MISSION BRIDGE	B.C. TELEPHONE		
V 869-1-4	ROSS RD.E.OF SUNVALLEY CRES. MATS.	B.C. TELEPHONE	CABLE	
V 871-1-4	ROSS RD S OF SUNVALLEY CR. MATS	B.C. TELEPHONE	CABLE	
V 881-1-8	248 ST AT 48 AVE., LANGLEY	B.C. TELEPHONE	OVERHEAD WIRE OVER 42"NTP	
V 882-1-8	248 ST AT 48 AVE., LANGLEY	B.C. TELEPHONE	OVERHEAD WIRE OVER 30"NTP	
V 883-1-8	248 ST AT 48 AVE., LANGLEY	B.C. TELEPHONE	OVERHEAD WIRE OVER 42"NTP	
V 884-1-8	248 ST AT 48 AVE., LANGLEY	B.C. TELEPHONE	OVERHEAD WIRE OVER 30"NTP	
V 887-1-69	RIVER RD. E. OF 72 ST. DELTA (SEE V898 ALSO)	B.C. TELEPHONE	AERIAL TEL. XING (12"NTP)	
V 898-1-69	RIVER RD. E. OF 72 ST. DELTA	B.C. TELEPHONE	AERIAL TEL XING 6" NTP	
V 901	51 ST. S OF 11A AVE. DELTA	B.C. TELEPHONE	U/G CABLE 6" TP	
V 902	51 ST. S OF 11A AVE. DELTA	B.C. TELEPHONE	U/G CABLE 6" TP	
V 903-1-53	92 AVE AND KING GEORGE HWY	B.C. TELEPHONE	U/G CABLE 24" TP	06/22/79
V 910	HWY #10 & 64 AVE. DELTA	B.C. TELEPHONE	U/G CABLE - 6" TP (175)	
V 911	HWY #10 E OF 64 AVE. DELTA	B.C. TELEPHONE	U/G CABLE - 6" TP (175)	
V1030-1-3	CLEARBROOK RD. & R/W MATSQUI	B.C. TELEPHONE	U/G TEL CABLE 30"	12/04/79
V1031-1-3	CLEARBROOK RD. & R/W MATSQUI	B.C. TELEPHONE	U/G TEL CABLE 42"	12/04/79

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V1047-1-100	1745 KINGSWAY, COQUITLAM	B.C. TELEPHONE	AERIAL CROSSING	
V1048-1-100	KENNA METAL INC (1651 KINGSWAY)	B.C. TELEPHONE	AERIAL CROSSING	
V1049-1-100	KINGSWAY & COAST MERIDIAN	B.C. TELEPHONE	AERIAL CROSSING	
V1056	24 AVE & 142 STREET	B.C. TELEPHONE	U/G TELEPHONE DUCT	12/03/79
V1060-1-3	CLEARBROOK RD & T. C HWY.	B.C. TELEPHONE	AERIAL 42" MTP	
V1061-1-3	CLEARBROOK RD & T. C HWY.	B.C. TELEPHONE	AERIAL 30" MTP	
V1091	68TH AVE. & K. G. HWY.	B.C. TELEPHONE	B.C. TELE. 6" TP	02/18/80
V1092	120B AVE. W. OF 214 ST.	B.C. TELEPHONE	B.C. TELE. 300M MTP	02/18/80
V1105.666.1	LOUGHEED HWY. CEDAR	B.C. TELEPHONE	TEL DUCT 8" TP	04/09/80
V1118.1.38	85A AVE E OF 150 ST.	B.C. TELEPHONE	100 MM PUC DUCT 18 MTP	
V1119.1.38	NEW RD. N OF 84 AVE & E OF 150 ST.	B.C. TELEPHONE	2-75 MM PUC DUCTS 18"	
V1129.1.5	DUNCAN W OF ROSS	B.C. TELEPHONE	AERIAL 42"	
V1130.1.5	DUNCAN W OF ROSS	B.C. TELEPHONE	AERIAL 30"	
V1183.1.103	COMO LK & GREENE	B.C. TELEPHONE	75 MM DUCT	07/16/80
V1193.1.79	MARINER WAY E OF COMO	B.C. TELEPHONE	2-75 MM DUCTS 20" 585	09/05/80
V1204.1.99	KINGSWAY & MARY HILL BY SEE V1164 TO 70 FOR DISP. HWYS WORK	B.C. TELEPHONE	75 MM PVC 12"	
V1209.1.8	242 ST N OF 51 AVE	B.C. TELEPHONE	AERIAL XING 30"	
V1210.1.8	242 ST N OF 51 AVE	B.C. TELEPHONE	AERIAL XING 42"	
V1211.1.8A	56 AVE W OF 239 ST	B.C. TELEPHONE	AERIAL XING 42"	
V1212.1.8	240 ST. S OF 52 AVE	B.C. TELEPHONE	AERIAL XING 30"	
V1213.1.8	240 ST. S OF 52 AVE	B.C. TELEPHONE	AERIAL XING 42"	
V1214.1.8	241 ST N OF 51 AVE	B.C. TELEPHONE	AERIAL XING 30"	
V1215.1.8	241 ST N OF 51 AVE	B.C. TELEPHONE	AERIAL XING 42"	
V1216.1.8	232 ST S OF 56 AVE	B.C. TELEPHONE	AERIAL XING 18"	
V1217.1.8A	56 AVE E OF 232 ST	B.C. TELEPHONE	AERIAL XING 12" MTP	
V1218.1.8A	56 AVE E OF 232 ST	B.C. TELEPHONE	AERIAL XING 30"	
V1219.1.8	238 ST S OF 53A AVE	B.C. TELEPHONE	AERIAL XING 30"	
V1220.1.8	WAGON WHEEL CR E OF CLOY	B.C. TELEPHONE	AERIAL XING 30"	
V1221.1.8	WAGON WHEEL CR S OF CLOY	B.C. TELEPHONE	AERIAL XING 30"	
V1222.1.8	CLOVER MEADOW CR E OF 232	B.C. TELEPHONE	AERIAL XING 30"	
V1251.1.25	152 ST S OF 96 AVE	B.C. TELEPHONE	B.C. TEL U/G 30"	09/11/80
V1256.1.19	195 ST S OF 96 AVE	B.C. TELEPHONE	O/H TEL 30"	
V1258.1.8	248 ST E 48 AVE	B.C. TELEPHONE	AERIAL 30"	
V1259.1.8	248 ST E 48 AVE	B.C. TELEPHONE	AERIAL 42"	
V1260.1.8	50 AVE W OF 246A ST	B.C. TELEPHONE	AERIAL 30"	
V1261.1.8	50 AVE W OF 246A ST	B.C. TELEPHONE	AERIAL 42"	
V1262.1.8	244 ST N OF 50 AVE	B.C. TELEPHONE	AERIAL 30"	
V1263.1.8	244 ST N OF 50 AVE	B.C. TELEPHONE	AERIAL 42"	
V1264.1.8	246A ST S OF 50 AVE	B.C. TELEPHONE	AERIAL 30"	
V1265.1.8	246A ST S OF 50 AVE	B.C. TELEPHONE	AERIAL 42"	
V1266.1.8	248 ST E OF 48 AVE	B.C. TELEPHONE	AERIAL 30"	
V1267.1.8	248 ST E OF 48 AVE	B.C. TELEPHONE	AERIAL 42"	
V1274.1.19	198 ST S OF 96 AVE	B.C. TELEPHONE	O/H TEL 30"	
V1296.1.30	200 ST S OF 68 AVE	B.C. TELEPHONE	AERIAL 18"	

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V1297.1.30	66 AVE. E OF 203 ST	B.C. TELEPHONE	AERIAL 18"	
V1302	20 AVE & 152 ST	B.C. TELEPHONE	U/G 8"	
V1327.1.88	LANE E OF 227 ST	B.C. TELEPHONE	75 MM D B 12"	12/31/80
V1330.1.25	151A ST S OF 95A AVE	B.C. TELEPHONE	U/G DUCTS 30"	10/30/80
V1351	24 AVE & 152 ST	B.C. TELEPHONE	U.G. 8"	02/04/82
V1352	24 AVE & 152 ST	B.C. TELEPHONE	U.G. 8"	02/04/82
V1353	25 AVE & 150 ST	B.C. TELEPHONE	U.G. 8"	02/04/82
V1387.1.47	CURRIE DR W OF 143A	B.C. TELEPHONE	U/G 24"	
V1405	GLADWIN & MCLURE	B.C. TELEPHONE	U/G 6"	
V1470	GLADWIN & SAANICH	B.C. TELEPHONE	U/G DUCTS 6"	
V1471.1.17	212B S OF 95A AVE	B.C. TELEPHONE	U/G DUCTS 30"	04/02/81
V1473.1.25	148 ST S OF 96 AVE	B.C. TELEPHONE	U/G	
V1494.1.76	TAPPEN AVE	B.C. TELEPHONE	U/G 20"	
V1510	GLADWIN & OKANAGAN	B.C. TELEPHONE	U/G 6"	
V1516.1.17	TRANMER & McDONALD	B.C. TELEPHONE	CURBS 30"	10/03/83
V1517	TRANMER & McDONALD	B.C. TELEPHONE	U/G DUCTS 4"	
V1612.1.101	TYNER & WILLSON	B.C. TELEPHONE	U/G 12"	01/06/82
V1631.1.103	COMO LAKE & SHARPE	B.C. TELEPHONE	U/G 12"	
V1639.1.99	KINGSWAY	B.C. TELEPHONE	OH 12"	12/15/81
V1640.1.99	KINGSWAY	B.C. TELEPHONE	OH 12"	12/15/81
V1678	148 ST. & 24 AVE	B.C. TELEPHONE	U/G TP	
V1694.1.31	68TH & 197B	B.C. TELEPHONE	B. C. TEL 18	
V1703.1.103	COMO LAKE & SHARPE	B.C. TELEPHONE	U/G 12"	02/11/82
V1713	GLADWIN & FRASER WAY	B.C. TELEPHONE	U/G 6 TP	04/06/82
V1714	GLADWIN & OLD RIVERSIDE	B.C. TELEPHONE	U/G 6 TP	04/07/82
V1722.1.77	CAPE HORN & MATHEWSON	B.C. TELEPHONE	B. C. TEL U/G 30"	03/24/82
V1723.1.31	68TH AVE W OF 200 ST	B.C. TELEPHONE	U/G 18"	03/16/82
V1738	152 & 64	B.C. TELEPHONE	U/G TP	05/17/82
V1739	152 & 72	B.C. TELEPHONE	U/G TP	05/17/82
V1751.1.56	120TH & 86 AVE	B.C. TELEPHONE	DUCTS	03/15/82
V1761.1.18	200 S OF 96TH AVE	B.C. TELEPHONE	U/G	06/02/82
V1764	PAGE & RIVERSIDE	B.C. TELEPHONE	UNDERGROUND	10/28/82
V1765.1.39	148TH ST & 87A AVE	B.C. TELEPHONE	O/H	
V1767	GLADWIN & OLD RIVERSIDE	B.C. TELEPHONE	STORM DRAIN	04/06/82
V1824.1.103	MARPOLE & WILSON	B.C. TELEPHONE	DUCT 12 MTP	08/25/82
V1827	GLADWIN & HARWOOD	B.C. TELEPHONE	U/G TP	
V1829	32 AVE & 272 ST	B.C. TELEPHONE	U/G 6 TP	06/22/82
V1842	72 ST & 32 AVE	B.C. TELEPHONE	U/G TP	10/27/82
V1851	72 AVE & AIRPORT	B.C. TELEPHONE	U/G TP	10/27/82
V1852	72 AVE & AIRPORT	B.C. TELEPHONE	U/G TP	10/27/82
V1853	72 AVE & AIRPORT	B.C. TELEPHONE	U/G TP	10/29/82
V1854	72 AVE & AIRPORT	B.C. TELEPHONE	CULVERT TP	10/27/82
V1877	24 AVE E OF 152 ST	B.C. TELEPHONE	AERIAL	
V1878-1-77	CAPE HORN INTERCHANGE	B.C. TELEPHONE	U/G DUCTS	10/26/82
V1892	72 ST & AIRPORT	B.C. TELEPHONE	U/G TP	10/27/82
V1935-1-77	HICKEY ST & DARTHOOR DR, COQ.	B.C. TELEPHONE	3-75 MM TEL DUCTS	03/25/83
V1944-1-103	WESTWOOD & COMO LAKE RD. COQ.	B.C. TELEPHONE	UNDERGROUND DUCT	

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V1974-1-91	21707 DEWDNEY TRUNK RD.	B.C. TELEPHONE	UNDERGROUND DUCTS	06/02/83
V1995-1-77	MATHEWSON AVE.	B.C. TELEPHONE	100MM DUCTS	04/22/83
V1996-1-77	MATHEWSON AVE.	B.C. TELEPHONE	100MM SDR 28 DRAIN	04/22/83
V2033-1-17	209A STR. S. OF 96A AVE, LANGLEY	B.C. TELEPHONE	75MM DUCTS	10/13/83
V2040	240 ST & LOUGHEED	B.C. TELEPHONE	B.C. TEL U/G	09/28/83
V2041	240 ST & LOUGHEED	B.C. TELEPHONE	B.C. TEL U/G	10/30/83
V2074-1-68	BENSON RD. (LANDFILL)	B.C. TELEPHONE	DUCT (V2057-X-REF)	02/23/84
V2094	208 & FRASER HWY, LANGLEY	B.C. TELEPHONE	DUCTS	02/29/84
V2896	E. OF 146 & W. OF 148 S. OF 88TH	B.C. TELEPHONE	U.G. CONST	
V2899	208 ST NTH OF 44 AVE. LANGLEY	B.C. TELEPHONE	DUCTS	03/23/84
V2905-1-69	HOPCOTT RD. W OF CNR R/W	B.C. TELEPHONE	AERIAL XING 6"	05/15/87
V2906-1-69	HOPCOTT RD. W OF CNR R/W	B.C. TELEPHONE	AERIAL XING 12"	05/15/87
V2934-1-39A	87A AVE. W OF 148 ST.	B.C. TELEPHONE	U/G DUCTS	04/28/87
V2946-1-94	202 ST. N. OF DEWDNEY TR.	B.C. TELEPHONE	U/G DUCT	06/11/84
V2957	W. OF GLADWIN RD. S. OF MCLURE	B.C. TELEPHONE	U/G DUCT	08/09/84
V2960-1-69	RIVER ROAD @ 76 ST	B.C. TELEPHONE	TELEPHONE DUCT U/G	10/02/84
V2961-1-69	RIVER ROAD @ 76 ST	B.C. TELEPHONE	TELEPHONE DUCT U/G	10/02/84
V2962-1-66	76 ST @ CNR X-ING	B.C. TELEPHONE	TELEPHONE DUCT U/G	10/02/84
V3014-1-2	VYE RD. ABBOTSFORD	B.C. TELEPHONE	O/H CROSSING 30"	03/26/87
V3015-1-2	VYE RD. ABBOTSFORD	B.C. TELEPHONE	O/H CROSSING 42"	03/26/87
V3034	72 ST NTH OF LADNER TRK	B.C. TELEPHONE	CABLE XING	02/21/85
V3065-1-6	BRADNER RD. S OF MACLURE	B.C. TELEPHONE	OH ELEC. 30"	03/26/87
V3066-1-6	BRADNER RD. S OF MACLURE	B.C. TELEPHONE	OH ELEC. 42"	03/26/87
V3084	PEARSONVILLE RD & EMERSON	B.C. TELEPHONE	DUCT	05/14/85
V3173-1-62	RIVER RD CONNECTOR ANNACIS HWY W/O MORDEL	B.C. TELEPHONE	U/G DUCT	01/16/86
V3174-1-62	RIVER RD. CONNECTOR W/O MORDEL ANNACIS HWY	B.C. TELEPHONE	U/G DUCT	01/16/86
V3191-1-35	167A, S OF 80 AVE	B.C. TELEPHONE	U/G DUCT	08/15/85
V3292-1-18	208 ST, S OF 96 AVE.	B.C. TELEPHONE	O/H AERIAL	05/01/86
V3302	DAHLSTROM AVE W/O GLADWIN	B.C. TELEPHONE	U.G. DUCT.	
V3319	DAHLSTROM AVE W/O GLADWIN	B.C. TELEPHONE	U/G DUCT	
V3325-1-87	HARRISON RD MAPLE RIDGE	B.C. TELEPHONE	U/G DUCT.	01/05/88
V3335-1-79	DEWDNEY TRUNK RD. COQ.	B.C. TELEPHONE	U/G DUCT	10/30/86
V3349-1-8	238 STREET.	B.C. TELEPHONE	O/H.	01/04/88
V3365	152 ST @ 88 AVE SURREY	B.C. TELEPHONE	TEL DUCTS.	
V3400-1-101	1855 KINGSWAY	B.C. TELEPHONE	O/H.	01/06/88
V3408-1-94	E OF 207 ST "RD. A" W OF DEWDNEY TRUNK	B.C. TELEPHONE	U/G DUCT.	01/13/87
V3417-1-94	207 & DEWDNEY TR. RD C.	B.C. TELEPHONE	U/G DUCTS.	
V3418-1-38	808 AVE E OF 150 ST.	B.C. TELEPHONE	U/G CONST	02/11/87
V3419-1-38	80A AVE E/O 150 ST	B.C. TELEPHONE	U/G CONST	02/11/87
V3486-1-20	192 ST. S OF 96 AVE	B.C. TELEPHONE	O/H CABLE.	
V3495-1-36	163 ST S OF 79 AVE	B.C. TELEPHONE	BC TEL U/C	07/09/87
V3505-1-36	163 ST. S OF 79 AVE.	B.C. TELEPHONE	U/G DUCTS.	07/13/87

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FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V3509	64 AVE. & 152 ST	B.C. TELEPHONE	BC TEL DUCT.	10/ /87
V3515-1-87	BURNETT & FISHER	B.C. TELEPHONE	DUCT WORK	
V3516-1-94	120B AVE - 206B	B.C. TELEPHONE	DUCT WORK	
V3522-1-40	140A, SOUTH OF 88 AVE SURREY	B.C. TELEPHONE	DUCTS	09/09/87
V3539-1-40	140 ST, S OF 88 AVE	B.C. TELEPHONE	U/G DUCTS.	
V3551-1-42	131 ST, S OF 98 AVE	B.C. TELEPHONE	U/G DUCT	
V3556-1-55	126 ST @ 89 AVE SURREY	B.C. TELEPHONE	BCT DUCT	
V3595	272 ST S OF 29 AVE	B.C. TELEPHONE	BC TEL (STATION 0491)	06/02/88
V3618-1-23	96 AVE 164 ST	B.C. TELEPHONE	DUCTS (2)	06/06/88
V3654-1-36	164 ST N OF 78 AVE	B.C. TELEPHONE	DUCTS	
V3655-1-52	138A ST N/O 93A AVE	B.C. TELEPHONE	DUCTS	
V3656	264 ST 72 AVE	B.C. TELEPHONE	DUCTS	
V3600	272 ST S OF 29 AVE	B.C. TELEPHONE (STATION 1449)	B.C. TEL (SEE PERM ST V3595)	06/02/88
V3601	272 ST S OF 29 AVE	B.C. TELEPHONE (STATION 1450)	B.C. TEL (SEE PERM ST V3595)	06/02/88
V 291-1-64 65	(B) S. OF RIVER, W. FROM TASKER	B.C.D.C.	LAND FILL	11/18/75
V 710-1-69	7400 BLK. RIVER ROAD	B.C.D.C.	DREDGE PIPE	
V 711-1-69	7400 BLK. RIVER ROAD	B.C.D.C.		
V1433.1.69	RIVER RD W OF 76	B.C.D.C.	TEMP EQPT XING 6"	03/13/81
V1448.7.89	RIVER RD & 72 ST	B.C.D.C.	FILL 6"	06/23/81
V1449.1.69	RIVER RD & 72 ST	B.C.D.C.	FILL 12"	06/23/81
V1037-1-66	76 ST. @ RIVER ROAD - 6"	B.C.D.C. C/O APLIN & MARTIN	STREET LIGHTING	
V1038-1-66	76 ST. @ RIVER ROAD - 12"	B.C.D.C. C/O APLIN & MARTIN	STREET LIGHTING	
V1039-1-66	VANTAGE WAY & 76 ST -12"	B.C.D.C. C/O APLIN & MARTIN	STREET LIGHTING	
V1040-1-66	PROGRESS WAY & 76 ST-12"	B.C.D.C. C/O APLIN & MARTIN	STREET LIGHTING	
V1041-1-65	TASKER & VANTAGE WAY - 24"	B.C.D.C. C/O APLIN & MARTIN	STREET LIGHTING	
V1042-1-65	VANTAGE PLACE & VANTAGE WAY	B.C.D.C. C/O APLIN & MARTIN	STREET LIGHTING	
V1043-1-65	VANTAGE WAY - 1000' E OF 76	B.C.D.C. C/O APLIN & MARTIN	STREET LIGHTING	
V 583	BRAID STREET SOUTH OF T.C. HWY.	B.C.HYDRO ELECTRICAL		
V 230-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		B) STORM	05/16/
V 230-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		A) ROAD	12/11/75
V 230-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		D) WATER	06/20/
V 230-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		C) SANITARY	05/02/
V 231-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		D) WATER	
V 231-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		C) SANITARY	05/20/
V 231-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		B) STORM	05/20/
V 231-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		A) ROAD	
V 232	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		STREET LIGHTING	06/ /75

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V 233-1-93	WICKLUND AVE & LAITY ST. MAPLE RIDGE	BACCHUS CONST.	A-D (ROAD, STORM, SANITARY & ST LIGHTING	12/ /74
V 17-1-79	R/W N. OF COMO LAKE RD.	BACH LIMITED	ROAD	06/21/72
V 124-1-79	HAWSER AVE. COQUITLAM	BACH LIMITED	B) 8" STORM	07/19/74
V 124-1-79	HAWSER AVE. COQUITLAM	BACH LIMITED	A) ROAD	07/09/74
V 124-1-79	HAWSER AVE. COQUITLAM	BACH LIMITED	C) 8" SANITARY SEWER	07/19/74
V 161-1-79	HAWSER AVE. W. OF MARINER WAY	BACH LIMITED	U/G CABEL	07/16/74
V 397-1-80	EAGLE RIDGE DEV. R/W N. OF BARNET	BACH LIMITED	D) STORM SEWER	
V 397-1-80	EAGLE RIDGE DEV. R/W N. OF BARNET	BACH LIMITED	C) S/W	
V 397-1-80	EAGLE RIDGE DEV. R/W N. OF BARNET	BACH LIMITED	B) CURB	
V 397-1-80	EAGLE RIDGE DEV. R/W N. OF BARNET	BACH LIMITED	A) RD	
V 492-1-80	EAGLE RIDGE DEV., COQUITLAM	BACH LIMITED	15" STORM SEWER E-WATERIAL	08/23/77
V 493-1-80	EAGLE RIDGE DEV., COQUITLAM	BACH LIMITED	LIGHT DUCT SERV. RD. S. SIDE	09/07/77
V 494-1-80	EAGLE RIDGE DEVELOPMENT, COQUITLAM	BACH LIMITED	LIGHT DUCT AND B.C. TEL SERV. RD. N. SID	09/07/77
V 495-1-80	EAGLE RIDGE DEVELOPMENT, COQUITLAM	BACH LIMITED	LIGHT DUCT E-WATERIAL S. SIDE	
V 496-1-80	EAGLE RIDGE DEVELOPMENT, COQUITLAM	BACH LIMITED	LIGHT DUCT AND B.C. TEL SERV. RD. N. SID	09/07/77
V 438-1-80	200' NORTH OF BARNET HIGHWAY, COQUITLAM	BACH LIMITED (H. FRIESEN)	ROAD	
V 439-1-80	200' NORTH OF BARNET HIGHWAY, COQUITLAM	BACH LIMITED (H. FRIESEN)	CURB	
V 440-1-80	200' NORTH OF BARNET HIGHWAY, COQUITLAM	BACH LIMITED (H. FRIESEN)	SIDEWALK	
V 441-1-80	200' NORTH OF BARNET HIGHWAY, COQUITLAM	BACH LIMITED (H. FRIESEN)	STORM SEWER	06/03/77
V 442-1-80	200' NORTH OF BARNET HIGHWAY, COQUITLAM	BACH LIMITED (H. FRIESEN)	SANITARY SEWER	06/03/77
V 443-1-80	200' NORTH OF BARNET HIGHWAY, COQUITLAM	BACH LIMITED (H. FRIESEN)	WATER MAIN	06/13/77
V 248-1-39	W. OF 152 ST. S. OF 88 AVE	BAXTER & RANNALA	(A-F) SUBDIVISION DEVELOPMENT	
V 249-1-39	W. OF 152 ST. S. OF 88 AVE	BAXTER & RANNALA	(A-D) RD., CURBS, SIDEWALK, WATER MAIN	
V 264-1-38 39	W. OF 152 ST., S. OF 88 AVE.	BAXTER & RANNALA	ROAD AND SIDEWALK	
V 286	85A AVE E. OF 118 ST.	BAXTER & RANNALA		
V1547.1.5	FRASER HWY E OF BRADNER	BCI	BCT DUCTS 30"	11/24/81
V1548.1.5	FRASER HWY E OF BRADNER	BCI	BCT DUCTS 42"	11/24/81
V3296-1-19	9494-198 ST.	BCM MANUFACTURING	TEMP XING.	06/01/88
V1409.1.76	UNITED BLVD	BEEDIE CONSTRUCTION	STORM SEWER 20"	
V1410.1.76	UNITED BLVD	BEEDIE CONSTRUCTION	PARKING LOT 20"	
V3366-1-81	DAVID PATHAN WAY	BEL CONSTRUCTION	TEMP EQUIP XING.	09/12/86
V3634-1-81	DAVID PATHAN HWY, COQ	BEL CONSTRUCTION	TEMP STORM DITCH	

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V 2	LOT 23, - D.L. 275 OFF FISHERMAN'S RD. S. OF RIVER RD.	BELL POLE CO.	DRIVEWAY INSTALLATION	04/04/73
V 240-1-86	23562 RIVER RD., MAPLE RIDGE	BELL POLE CO.	WASTE BLOWER PIPE	
V 413-1-85	23562 RIVER RD.	BELL POLE CO.	ROAD CONSTRUCTION	
V 687-1-41	91A AVE E. OF PRINCE CHARLES	BERLIN ENGINEERING	SIDEWALK	05/09/79
V 688-1-41	91A AVE E. OF PRINCE CHARLES	BERLIN ENGINEERING	8" WATER	03/19/79
V 689-1-41	91A AVE E. OF PRINCE CHARLES	BERLIN ENGINEERING	ROAD	05/15/79
V 690-1-41	91A AVE E. OF PRINCE CHARLES	BERLIN ENGINEERING	CURBS & GUTTERS	05/10/79
V 691-1-41	91A AVE E. OF PRINCE CHARLES	BERLIN ENGINEERING	4" DRAIN	
V1388.1.65	S. VANTAGE W 80 ST	BOBELL	TEMP ROAD 24"	01/07/81
V3562-1-32	19027 - 72 AVE	BODNARCHUK	DRAINAGE DITCH	05/02/88
V3322-1-2	1027 MCKENZIE RD.	BOHACHEWSKI, J	GRADING. 30"	
V3323-1-2	1027 MCKENZIE RD.	BOHACHEWSKI, J	GRADING. 42"	
V1149.1.25	RD. A (149ST) OF 96 AVE	BONTKES HLDGS C/O R.W. TRIFFO	WALKWAY	01/13/81
V1150.1.25	RD. A (149ST) OF 96 AVE	BONTKES HLDGS C/O R.W. TRIFFO	STORM SEWER	09/30/80
V1151.1.25	RD. A (149ST) OF 96 AVE	BONTKES HLDGS C/O R.W. TRIFFO	SAN SEWER	09/20/80
V3154-1-8	238 & 52 AVE LANGLEY	BORN, R	DRIVEWAY	08/ /85
V3179-1-8	5261-238 ST LANGLEY	BORN, R	WATER LINE	08/29/85
V1572.1.11	232 ST & 76 AVE	BRAICH, S	DITCH 30"	04/27/82
V:573.1.11	232 ST & 76 AVE	BRAICH, S	DITCH 12"	04/27/82
V 936-1-8A	237A ST. N OF 56 AVE. LANG	BROWN RD. SYND C/O THOMSON, JENSON & CO.	RD. CONST. OVER 42"	
V 897-1-42	13081-98 AVENUE, SURREY	BRUNS, W	4" PL. SEWER 18"NTP(585)	05/16/79
V1128.1.43	13081-98TH AVE	BRUNS, W	10" STORM CUL. 12" NTP	
V 592-1-31	70 AVE. E. 192	BUCKLEY & GRAHAM LTD.	CURB	
V1184.1.31	19365 - 70TH AVE.	BUCKLEY & GRAHAM LTD.	6" DRAIN PIPE	08/05/80
V3327-1-79	VAC BARNET GATE	BUNID DEVELOPMENT	PAVED PKG LOT	09/12/86
V3328-1-79	VAC BARNET GATE	BUNID DEVELOPMENT	6" STM	06/25/86
V3329-1-79	VAC BARNET GATE	BUNID DEVELOPMENT	2" ST LTG	09/12/86
V1783.1.76	2265 CAPE HORN RD	BURNABY IRRIGATION LTD.	IRRIGATION PIPING 20"	04/23/82
V1784.1.76	2265 CAPE HORN RD	BURNABY IRRIGATION LTD.	IRRIGATION PIPING 20"	04/23/82
V 69-1-79	DEWDNEY TRUNK RD., PT. COQ	BURNETT RESOURCE SURVEYS LTD.	STORM SEWER	11/21/72
V 144-1-43	127 ST. S. OF 100 AVE	BURNETT RESOURCE SURVEYS LTD.	SANITARY SEWER	08/13/74
V 145-1-43	127A ST. S. OF 100 AVE	BURNETT RESOURCE SURVEYS LTD.	C) STORM SEWER	08/07/74
V 145-1-43	127A ST. S. OF 100 AVE	BURNETT RESOURCE SURVEYS LTD.	B) SANITARY SEWER	08/07/74
V 145-1-43	127A ST. S. OF 100 AVE	BURNETT RESOURCE SURVEYS LTD.	A) ROAD	08/07/74
V 183-1-43	127A ST. S. OF 100 AVE	BURNETT RESOURCE SURVEYS LTD.	8" WATER	09/18/74
V 421-1-57	84 AVE. 116 ST.	BURNETT RESOURCE SURVEYS LTD.		
V 422-1-57 A-C	84 AVE. 116 ST.	BURNETT RESOURCE SURVEYS LTD.	(A-C) 6" DRAIN, FENCE, STREET LIGHTING	
V1438.1.59	8594 BROOKE RD.	BURNIP, G	DRIVEWAY 24"	
V 424-1-63	98 ST (SUNBURY) & 24" NTP	BURNS BOG		09/04/77
V 425-1-62	N. 100 ST. (EASEMENT) & 24" NTP	BURNS BOG		09/21/77
V 417-1-25	148 ST N. OF 95 AVE	CAMERON SURVEY & ENG.	SIDEWALK	
V 721	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	ROAD CROSSING	05/08/79

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V 722	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC STORM	04/30/79
V 723	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC STORM	04/30/79
V 724	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC STORM	04/30/79
V 725	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC STORM	04/30/79
V 726	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC STORM	05/01/79
V 727	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC STORM	05/01/79
V 728	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC SANITARY	05/02/79
V 729	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC SANITARY	05/03/79
V 730	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC SANITARY	05/07/79
V 731	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC SANITARY	05/07/79
V 732	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	3/4" WATER	04/25/79
V 733	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	3/4" WATER	04/25/79
V 734	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	3/4" WATER	04/25/79
V 735	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	3/4" WATER	04/25/79
V 736	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	6" AC FIRE HYDRANT	05/03/79
V 843-1-47	115 AVE W. OF BEDFORD CR.	CAMERON SURVEY & ENG.	ROAD RECONSTRUCTION	
V 908	144 ST & 24 AVE. SURREY	CAMERON SURVEY & ENG. FOR RIAN DEV.LTD	ROAD CONSTRUCTION	09/25/79
V 909	144 ST & 24 AVE. SURREY	CAMERON SURVEY & ENG. FOR RIAN DEV.LTD	CATCH BASIN	09/25/79
V1505.1.94	12111 - 203 ST	CARDINELL, W	PAVING 12"	06/09/81
V1164.1.99	MARY HILL BYPASS & FRONT	CBA ENGINEERING	ROAD & CURB	
V1165.1.99	MARY HILL BYPASS & FRONT	CBA ENGINEERING	24" CORRUGATED ST CUL	
V1166.1.99	MARY HILL BYPASS & FRONT	CBA ENGINEERING	DRAINAGE DITCH	
V1167.1.99	MARY HILL BYPASS & TRENT	CBA ENGINEERING	FENCE EAST SIDE	
V1168.1.99	MARY HILL BYPASS & TRENT	CBA ENGINEERING	DRAINAGE DITCH	
V1169.1.99	MARY HILL BYPASS & TRENT	CBA ENGINEERING	ROAD & CURBS	
V1170.1.99	MARY HILL BYPASS & TRENT	CBA ENGINEERING	8" FORCE MAIN	06/27/80
V1310.1.25	150 ST S OF 95 AVE	CBA ENGINEERING	SIDEWALK & CURBS 30"	09/26/80
V1311.1.25	150 ST. S OF 95A AVE	CBA ENGINEERING	ROADWORK 30"	09/24/80
V1312.1.25	151 A ST S OF 95A AVE	CBA ENGINEERING	SIDEWALK & CURB 30"	09/23/80
V1313.1.25	151 A ST S OF 95A AVE	CBA ENGINEERING	ROADWORK 30"	09/02/80
V 501-1-88	SELKIRK AVE. E. OF 227 ST.	CECIL ROBERTS	UNDERGROUND ELECTRIC	07/20/77
V 394	RIVERSIDE N. OF VYE	CENTRAL F.V. REG. DISTRICT	SEWER	11/18/
V1026-910-C-2	GLADWIN S OF DOWNES	CENTRAL VALLEY ENGINEERING	ROADWORK	11/30/79
V1027-910-C-2	GLADWIN S OF DOWNES	CENTRAL VALLEY ENGINEERING	WATERMAIN	10/18/
V1028-910-C-2	GLADWIN S OF DOWNES	CENTRAL VALLEY ENGINEERING	SAN SEWER	10/18/
V1246	GLADWIN & NELSON	CENTRAL VALLEY ENGINEERING	WATERMAIN 12" TP	09/10/80
V1247	GLADWIN N OF NELSON	CENTRAL VALLEY ENGINEERING	WATERMAIN 12" TP	09/10/80
V1365	GLADWIN R W OF MCLURE	CENTRAL VALLEY ENGINEERING	WATER MAIN	12/18/80
V1366	GLADWIN R W OF MCLURE	CENTRAL VALLEY ENGINEERING	ROADWORK	12/18/80
V3532-1-56	8564-123 ST SURREY	CHANA, T	8" PVC STORM SEWER	
V3222-1-8	71 WAGON WHEEL CRES.	CHICK, MR.	PAVEMENT	03/26/87
V3652	YALE RD AT CNR CROSSING	CHILLIWACK DISTRICT	RD WORK	
V 466-1-27	5500 BLK. 232 ST.	CHOV, DAVID	ROAD	
V 467-1-27	5500 BLK. 232 ST.	CHOV, DAVID	ELECTRICAL SERVICE	
V 291	(A) DENDNEY TRK & R/W N.R.	CHRISTIAN REFORM CHURCH	PARKING LOT	11/18/75

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V3139-1-102	BURY STREET & WILSON AVE	CICUTO & SONS	200MM STORM - 12"	08/01/85
V1970-1-3	HWY #1 CLEARBROOK INTERCHANGE	CLEARBROOK	15" CON. STORM SEWER	
V1971-1-3	HWY #1 CLEARBROOK INTERCHANGE	CLEARBROOK	15" CON. STORM SEWER	
V 771-1-44	SCOTT RD. S. OF OLD YALE	CMC ENGINEERING	SANITARY SEWER	11/16/78
V 772-1-44	SCOTT RD. S. OF OLD YALE SOUTH SIDE	CMC ENGINEERING	SANITARY SEWER	11/16/78
V 773-1-44	SCOTT RD. S. OF OLD YALE SOUTH SIDE	CMC ENGINEERING	SANITARY SEWER	11/16/78
V 774-1-44	SCOTT RD. S. OF OLD YALE NORTH SIDE	CMC ENGINEERING	SANITARY SEWER	10/24/78
V 775-1-44	SCOTT RD. S. OF OLD YALE NORTH SIDE	CMC ENGINEERING	SANITARY SEWER	10/24/78
V 776-1-44	SCOTT RD. S. OF OLD YALE	CMC ENGINEERING	WATER	10/24/78
V 47-1-89	S. OF 123 AVE - W. OF 227 ST.	CME CONSTRUCTION LTD	6" WATER LINE	02/07/72
V 352-1-84	FT. LANGLEY-RWY TRACKS & R/W	CN TELECOMMUNICATIONS		05/06/76
V 353-1-84	FT. LANGLEY STATION	CN TELECOMMUNICATIONS		05/06/76
V 354-1-12 13	GLOVER N. OF RAWLINSON	CN TELECOMMUNICATIONS		05/06/76
V 355	GLOVER N. OF LANGLEY BYPASS	CN TELECOMMUNICATIONS		05/07/76
V 779-1-19	W. OF 198 ST.	CNR	TRACK CROSSING	
V2045-1-84	CNR TRACKS FT. LANGLEY	CNR	SIGNAL CABLE	03/01/84
V3012-1-84	FORT LANGLEY	CNR	CASING EXTENTION	03/26/87
V3167-1-46	N OF 116A, W OF 144 ST	CNR	TEMP DITCH & CULVERT	06/18/85
V 859-1-65	RD. A AT TASKER RD.	CNR C/O APLIN & MARTIN	RAILWAY CROSSING	
V 914-1-19	198 ST. & 96 AVE. LANGLEY	CNR C/O DOMINION CONST.	SINGLE RAIL TRACK-30" MTP	
V1342.1.53	92 AVE E OF K.G. HWY	COASTLAND ENGINEERING	SAN SEWER 24"	12/01/80
V1371.1.24	152A S OF 96TH	COASTLAND ENGINEERING	WALKWAY	03/24/
V1372.1.24	153A S OF 96TH	COASTLAND ENGINEERING	WALKWAY	03/24/81
V1373.1.24	153A S OF 96TH	COASTLAND ENGINEERING	ST. SEWER	02/10/81
V1418.1.25	148 ST & 96 AVE	COASTLAND ENGINEERING	STORM SEWER	04/16/81
V1419.1.25	148 ST & 96 AVE	COASTLAND ENGINEERING	STORM SEWER	04/15/81
V1420.1.25	148 ST & 96 AVE	COASTLAND ENGINEERING	SAN SEWER	04/16/81
V1421.1.25	148 ST & 96 AVE	COASTLAND ENGINEERING	ROAD XING	04/14/81
V1422.1.25	148 ST & 96 AVE	COASTLAND ENGINEERING	ST-LIGHTING	06/ /81
V1435.1.25	148 ST & 96 AVE	COASTLAND ENGINEERING	CONCRETE SIDEWALK	
V1436.1.25	148 ST & 96 AVE	COASTLAND ENGINEERING	CONCRETE CURBS	
V1456.1.24	158 ST & 96 AVE	COASTLAND ENGINEERING	STORM SEWER 30"	06/22/81
V1457.1.24	158 ST & 96 AVE	COASTLAND ENGINEERING	STORM SEWER 30"	06/17/81
V1458.1.24	158 ST & 96 AVE	COASTLAND ENGINEERING	WALKWAY 30"	06/17/81
V1459.1.24	158 ST & 96 AVE	COASTLAND ENGINEERING	SWALE 30"	06/17/81
V1469.1.24	158 ST & 96 AVE	COASTLAND ENGINEERING	FILL 30"	06/29/81
V2959-1-36	S. OF 80 AVE	COASTLAND ENGINEERING	200MM H2O	08/14/
	E OF 184 ST SUR			
V3070-1-20	18688 - 96 AVE.	COASTLAND ENGINEERING	CULVERT 30 MTP	
V3245-1-24	SOUTH OF 96 AVE, EAST OF 158	COASTLAND ENGINEERING	SANITARY SEWER	02/06/86
V3304-1-36	S OF 80 AVE, W OF	COASTLAND ENGINEERING	SANITARY 18"	07/15/86
V3305-1-36	184 STREET	COASTLAND ENGINEERING	STORM 18"	07/15/86
V3346-1-36	183 ST. S OF 80 AVE.	COASTLAND ENGINEERING	ROAD	09/12/86

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V3635-1-36	164 ST S OF 80 AVE	COASTLAND ENGINEERING	ROAD	06/27/88
V3636-1-36	164 ST S OF 80 AVE	COASTLAND ENGINEERING	200MM SANITARY	06/27/88
V3637-1-36	164 ST S OF 80 AVE	COASTLAND ENGINEERING	250MM STORM	06/27/88
V3162-1-20	18750-96 AVE	COCKERILL'S CONTR.	DRAINAGE DITCH	05/31/85
V3394-1-59	BROOKE RD 8400 BLK	COLUMBIA BITULITHIC	24 W&P SIDEWALK	01/06/88
V3395-1-56	BROOKE RD 8500 BLK	COLUMBIA BITULITHIC	X-ING 36WTP SIDEWALK E/S	01/06/88
V3549-1-56A	8704 - 120 ST	COLUMBIA CONCRETE	4 DRIVEWAYS	
V 4	TRATTLE RD. N. OF 88TH AVE	COPPER BEACH HOLDINGS		02/ /71
V1252.1.101	WILSON RD	COQUITLAM	RD RECON 12"	08/18/80
V1704.1.103	COMO LAKE & PASTURE	COQUITLAM	SAN SEWER 12"	
V2077-1-77	CAPE HORN AVE. COQ.	COQUITLAM	ADDITION TO V2013-1-77 & V2014-1-77	
V2077A-1-77	CAPE HORN AVE. COQ.	COQUITLAM	ADDITION TO V2013-1-77 & V2014-1-77	
V 53-1-79	HARBOUR VILLAGE DR. N. OF COMO LAKE	COQUITLAM DISTRICT	12" WATER MAIN	07/25/72
V 104-1-79	DEWDNEY TRUNK RD., - COQ.	COQUITLAM DISTRICT	6" DUCTILE WATER MAIN	04/03/73
V 106-1-106	SURF CR. 425' SOUTH OF SPURWAY - COQUITLAM	COQUITLAM DISTRICT	6" WATER MAIN	
V 146-1-79	D.T. RD. E. OF SPAR RD.	COQUITLAM DISTRICT	W.L. ON R/W - NO XING	
V 153-1-79	HAWSER AVE. W. OF MARINER WAY	COQUITLAM DISTRICT	6" WATER	03/14/74
V 170-1-104	COMO LAKE & GREENE ROAD	COQUITLAM DISTRICT	50" X 31" PIPE ARCH	07/29/74
V 202	D.T. RD & BOND - COQ.	COQUITLAM DISTRICT	SANITARY SEWER PUMPING STN & FORCE MAIN	
V 211-1-104	LOUGHEED RELOC. & COMO LAKE	COQUITLAM DISTRICT	8" SANITARY	10/21/74
V 437-1-77	BETWN CAPE HORN & MATHEWSON	COQUITLAM DISTRICT	4" SANITARY SEWER	03/31/
V 540-1-103	3002 SPURWAY	COQUITLAM DISTRICT	DRIVEWAY	10/18/77
V 602	BARNET HWY & GRAHAM, COQ.	COQUITLAM DISTRICT	8" SANITARY SEWER	04/07/78
V 879-1-103	COMO LK AVE & WESTWOOD ST.	COQUITLAM DISTRICT	WATERMAIN OVER 12" WTP	
V 880	COMO LK AVE & WESTWOOD ST.	COQUITLAM DISTRICT	WATERMAIN OVER 12" WTP	
V3016-1-78	N OF AUSTIN, W OF MARINER	COQUITLAM DISTRICT	ROAD CROSSING	04/28/87
V3198-1-103	COMO LK AVE & LOUGHEED HWY	COQUITLAM DISTRICT	WATER PIPELINE 200MM	09/ /85
V3606-1-80	EAGLERIDGE PARK, W OF RUNNEL	COQUITLAM DISTRICT	FILL & DRAINAGE LINES	
V 486-1-103	COMO LAKE & JOHNSON	COQUITLAM DISTRICT C/O TONASIC	8" WATER	
V 469-1-103	PINNACLE ST., COQUITLAM	ENG COQUITLAM DISTRICT C/O WINVAN	CURB	05/30/
V 470-1-83	PINNACLE ST., COQUITLAM	PAVING COQUITLAM DISTRICT C/O WINVAN	SIDEWALK	05/30/
V 471-1-103	SURF CRESCENT	PAVING COQUITLAM DISTRICT C/O WINVAN	CURB	05/30/
V 472-1-103	SURF CRESCENT	PAVING COQUITLAM DISTRICT C/O WINVAN	SIDEWALK	05/30/77
V 285-1-79	4200 BLK. DEWDNEY TRUNK RD.	COQUITLAM HIDEAWAY	LEVELLING AND SEEDING	
V3531-1-18	9539 - 208 ST	COTE, G	FILL	
V2909-1-5	29541 SUN VALLEY CRES	COUGLAN, J	DRIVEWAY 30"	
V2910-1-5	29541 SUN VALLEY CRES	COUGLAN, J	DRIVEWAY 42"	

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V2911-1-5	29541 SUN VALLEY CRES	COUGLAN, J	3/4" WATER 30"	04/27/84
V2912-1-5	29541 SUN VALLEY CRES	COUGLAN, J	3/4" WATER 42"	04/27/84
V2913-1-5	29541 SUN VALLEY CRES	COUGLAN, J	U/G ELECTRIC 30"	04/27/84
V2914-1-5	29541 SUN VALLEY CRES	COUGLAN, J	U/G ELECTRIC 42"	04/27/84
V 296-1-79	ELEC/GAS R/W RUNNING S. FROM BARNET HIGHWAY - COQUITLAM	COUPE, J	DRIVEWAY CROSSING ELECT. TRANS.	
V1099	HOPCOTT RD. S. OF CN	COWER, YEUNG	DRIVEWAY 8" MTP	
V1100	HOPCOTT RD. S. OF CN	COWER, YEUNG	DRIVEWAY 12" MTP	
V 921-1-76	S. OF LOUGHEED HWY AND EAST OF MATHEWSON, COQUITLAM	CP TELECOMMUNICATIONS	CABLE INSTALLATION	08/30/79
V 922-1-103	LOUGHEED & CONO LAKE, COQ	CP TELECOMMUNICATIONS	CABLE INSTALLATION	08/30/79
V3450-1-8	23935-52 AVE	CPI EQUIPMENT	IRRIGATION 30"	04/10/87
V3451-1-8A	23935-52 AVE	CPI EQUIPMENT	IRRIGATION 42"	04/10/87
V1625.199	1300 KINGSWAY	CPR	CON SLABS 12"	12/23/81
V1626.199	1300 KINGSWAY	CPR	CON SLABS 12"	02/18/82
V1552.1.100	1300 KINGSWAY	CPR TRANS	ACCESS RD 12"	02/08/82
V1553.1.100	1300 KINGSWAY	CPR TRANS	ACCESS RD 12"	02/18/82
V1554.1.100	1300 KINGSWAY	CPR TRANS	ACCESS RD 12"	02/18/82
V2103-1-48	14065 - 108 AVE, SURREY	CRAWFORD, J	WATER	01/31/84
V2933-1-48	14065-108 AVE.	CRAWFORD, J	ELECTRICAL SERVICE	04/28/87
V 159-1-8	246A ST. S. OF 50 AVE	CUAN ENGINEERING LTD	ROAD	07/02/74
V 173-1-104	208 ST. & 52A AVE	CUAN ENGINEERING LTD	SANITARY SEWER	09/18/74
V 347-1-42 43	98A AVE & 130 ST	CUAN ENGINEERING LTD	PAVED RD, CURB & STREET LIGHTING	04/ /76
V3530-1-4	2495 ROSS ROAD	CURRIE, D	GRAVEL DRIVEWAY & HOUSE MOVE	
V3205-1-87	N OF HANEY BYPASS E OF 225 ST.	CURVE DEVELOPMENTS	FILL 12"	10/17/86
V 433-1-85	23296 RIVER ROAD	D & J CEDAR PRODUCTS	WATER	03/13/77
V 434-1-85	23296 RIVER ROAD	D & J CEDAR PRODUCTS	ROAD	
V 435-1-85	23296 RIVER ROAD	D & J CEDAR PRODUCTS	OVERHEAD ELECTRIC (C)	03/13/77
V3519	64TH ST & 28TH AVE	DALAL ENGINEERING	WATER MAIN	12/10/87
V 401-1-26	LAUREL (S. OF 96) E. OF 137B	DAON (C/O MCELHANNY S&E	12" STORM SEWER	
V1192.1.31	68 AVE. W OF 200 ST.	DAON DEV.	250 MM ST. SEWER	05/19/81
V 787-1-31	68 AVE W. OF 200 ST.	DAON DEV. C/O W C & T	WATER MAIN	11/23/78
V1106	GLADWAIN S. OF DOWNES	DAON DEV. CEN. VALLEY	ENG. ROAD	
V1107	GLADWAIN S. OF DOWNES	DAON DEV. CEN. VALLEY	WATER	04/29/80
V1108	GLADWAIN S. OF DOWNES	DAON DEV. CEN. VALLEY	SAN. SEWER	04/15/80
V1545.1.20	192 & 95A	DAVID, MAIRNE & ASSOC.	PARKING 30"	
V 81-1-79	DEWDNEY TRUNK & BCHPA R/W	DAWSON DEVELOP.	ROADWORK	
V 81-1-79	S. OF DEWDNEY TRUNK - COQ.	DAWSON DEVELOP. C/O BURNETT R & S.	ROAD CONSTRUCTION	
V 25	12 AVE. W. OF 56 ST.	DAYTON & KNIGHT	18" WATER MAIN	
V 34-1-24 25	28 AVE. AT B.C.H. R/W	DAYTON & KNIGHT	30" WATER MAIN	
V 35	28 AVE AT 53 ST.	DAYTON & KNIGHT	18" WATER MAIN	
V 313-1-79 80	BARNET HIGHWAY & R/W	DAYTON & KNIGHT	8" WATER MAIN	05/12/76
V1059-1-94	BCHPA R/W N OF DEW. TRUNK	DAYTON & KNIGHT	1200 MM SEWER 12" MTP	10/16/80
V1071	RIVERSIDE RD. & BCHPA R/W	DAYTON & KNIGHT	SAN SEWER 6" TRUNK	10/16/80
V1096	CEDAR AVE. & S. OF CPR	DAYTON & KNIGHT	300 MM WATER 6" TP	06/09/80

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V3342	24TH AVE & 140TH ST	DAYTON & KNIGHT	ROAD	09/12/86
V3343	24TH AVE & 140TH ST	DAYTON & KNIGHT	STORM LATERAL	09/12/86
V3344	24TH AVE & 140TH ST.	DAYTON & KNIGHT	STORM LATERAL	09/12/86
V3345	24TH AVE & 140TH ST.	DAYTON & KNIGHT	CATCH BASIN	09/12/86
V3496-1-77	N OF HICKEY DR/W MARINER WAY COQ	DAYTON & KNIGHT	400 MM H2O	
V3497-1-77	N OF HICKEY DR/W MARINER WAY COQ	DAYTON & KNIGHT	600 MM H2O	
V 74 (A)&(B)	PARNITER & #17 HIGHWAY	DAYTON & KNIGHT FOR CORP OF DELTA	8" WATER MAIN	10/19/72
V 75	56 ST. & 18 AVE	DAYTON & KNIGHT FOR CORP OF DELTA	6" WATER	
V 76	56 ST. JUST S. OF #17 HIGHWAY	DAYTON & KNIGHT FOR CORP OF DELTA	WATER MAIN	09/26/72
V 935-1-30	W OF 206 ST & S OF 56 AVE LANG	DEGLAN, A. C/O BUCKLEY & GRAHAM		
V 284-1-20	9565 HARVIE ROAD	DEKOVA, GEORGE	LANDFILL, TREE/STUMP REMOVAL	
V 307-1-20	9565 HARVIE RD.	DEKOVA, GEORGE	PERMANENT ROAD CROSSING	03/26/76
V 351-1-20	9565 HARVIE RD.	DEKOVA, GEORGE (UNITED WOODWORK)	12" STORM DRAIN	
V 160-1-101	1963 KINGSWAY - P. COQ.	DEL EQUIPMENT LTD.	ROAD	
V 180-1-100	1963 KINGSWAY - PT. COQ.	DEL EQUIPMENT LTD.	2 - 18" CONCRETE CULVERTS	09/12/74
V 995	272 ST & 100 AVE-104 AVE MR	DELCAN CONSTRUCTION	ROAD WORK 2" & 4" TP (125)	03/23/81
V 996	272 ST (STATION 116 + 10) MR	DELCAN CONSTRUCTION	24" CULVERT 2" TP (125)	03/23/81
V 997	272 ST (STATION 120 + 93) MR	DELCAN CONSTRUCTION	12" CULVERT 4" TP (125)	03/23/81
V 998	272 ST (STATION 124 + 86) MR	DELCAN CONSTRUCTION	66" CULVERT 4" TP (125)	03/23/81
V 999	272 ST (STATION 129 + 81) MR	DELCAN CONSTRUCTION	12" CULVERT 4" TP (125)	03/23/81
V1000	272 ST (STATION 131 + 44) MR	DELCAN CONSTRUCTION	18" CULVERT 4" TP (125)	
V1001	272 ST (STATION 131 + 96) MR	DELCAN CONSTRUCTION	18" CULVERT 4" TP (125)	
V1025-1-43	128 & 100 AVE SEE V1032, V1033, V1236, V1237	DELCAN CONSTRUCTION	ROADWORK	12/10/79
V1032-1-43	128 ST & 100 AVE SURREY SEE V1025, V1236, V1237	DELCAN CONSTRUCTION	STORM SEWER	10/26/79
V1033-1-43	128 ST & 100 AVE SURREY SEE V1025, V1236, V1237	DELCAN CONSTRUCTION	ST LIGHTING CONDUIT	
V1344	272 ST 100 AVE TO 104	DELCAN CONSTRUCTION	ROADWORK 4"	
V1345	272 ST	DELCAN CONSTRUCTION	24" CULVERT 4"	
V1346	272 ST	DELCAN CONSTRUCTION	12" CULVERT 4"	
V1347	272 ST	DELCAN CONSTRUCTION	60" CULVERT 4"	
V1348	272 ST	DELCAN CONSTRUCTION	12" CULVERT 4"	
V1349	272 ST	DELCAN CONSTRUCTION	18" CULVERT 4"	
V1350	272 ST	DELCAN CONSTRUCTION	18" CULVERT 4"	
V1975-1-51	100 AVE. WEST OF 140TH STR.	DELCAN CONSTRUCTION	ROADWORKS	
V2052-1-51	100 AVE WEST OF 140TH STR.	DELCAN CONSTRUCTION	STORM SEWER	09/07/83
V2053-1-51	100 AVE WEST OF 140TH STR.	DELCAN CONSTRUCTION	STREET LIGHTING	
V1390	52 ST N OF 12 AVE	DELTA	6" PVC WATER 8"	01/29/81
V1505	51A ST & 10A AVE	DELTA	WATERMAIN 6"	10/28/81

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V1823	72 ST & AIRPORT	DELTA	WATER TP	06/09/82
V1906	52 ST 16 AVE	DELTA	WATER	10/25/82
V2085-1-69	RIVER RD. E. OF 76 ST.	DELTA	WATER 20"	12/12/83
V2086-1-69	RIVER RD. E. OF 76 ST.	DELTA	WATER 24"	12/12/83
V3470	34B AVE & HWAY 17	DELTA	2" P.E. WATERLINE	07/03/87
V3471	34B AVE HWY 17	DELTA	2" WATER LINE	
V3492	64 ST & LADNER TRUNK	DELTA	SANITARY	11/24/87
V3559-1-69	7423 WILSON AVE	DELTA	FENCE	
V3068-1-71	DYKE ROAD RICHMOND	DELTA AGGREGATES	EQUIP X-ING 20 MTP	03/01/85
V3069-1-71	DYKE ROAD RICHMOND	DELTA AGGREGATES	EQUIP X-ING 24 MTP	03/01/85
V 174-1-59	8500 BLK. 110A ST	DELTA MUNICIPALITY	18" WATER	
V 175-1-59	8400 BLK. BROOKE RD.	DELTA MUNICIPALITY	8" WATER	07/18/74
V2954-1-57	8468 - 117B ST DELTA	DELTA MUNICIPALITY	STORM SEWER	
V 107-1-58	116 ST. AT 84B AVE, DELTA	DELTA MUNICIPALITY C/O DAYTON & KNIGHT	20" WATER MAIN	07/26/73
V 125-1-58 59	8400 BLK. 112 STREET	DELTA MUNICIPALITY C/O W,C,& T A)	SIDEWALK	
V 125-1-58 59	8400 BLK. 112 STREET	DELTA MUNICIPALITY C/O W,C,& T B)	12" STORM SEWER	10/15/73
V 3	56 ST. AT 16 AVE	DELTA, CORP OF	WATER MAIN	
V 96 (D)	56 ST. - 16TH TO 10TH AVES.	DELTA, CORP OF	3/4" COPPER WATER	
V 96 (B)	56 ST. - 16TH TO 10TH AVES.	DELTA, CORP OF	6" ASBESTOS CEMENT WATER	
V 96 (A)	56 ST. - 16TH TO 10TH AVES.	DELTA, CORP OF	6" ASBESTOS CEMENT WATER	
V 96 (C)	56 ST. - 16TH TO 10TH AVES.	DELTA, CORP OF	4" ASBESTOS CEMENT WATER	
V 198-1-59	110A ST. N. OF 84	DELTA, CORP OF	18" WATER (THIS PERMIT REPLACES V174-353)	08/14/74
V 244	LNG PLANT	DELTA, CORP OF	WATER MAIN	
V 245-1-69		DELTA, CORP OF	10" WATER	03/13/75
V 419-1-57	118A ST. @ 84A AVE	DELTA, CORP OF	STORM DRAIN	
V 432	12 AVE & 51 ST., DELTA	DELTA, CORP OF	8" WATER	05/04/
V 465	36 AVE. & 72 ST.	DELTA, CORP OF	24" CULVERT	09/13/77
V 587-1-65	TASKER S. OF RIVER	DELTA, CORP OF	36" STORM SEWER	08/13/79
V 598	36 AVE & B.C.R. DELTA	DELTA, CORP OF	CULVERT INSTALLATION	12/12/77
V 872-1-60	108 ST. S OF 82 AVE., DELTA	DELTA, CORP OF	8" D.I. WATER	
V 904-1-58	E OF 112 ST - 8500 BLK, DELTA	DELTA, CORP OF	STORM DRAIN 24" MTP (585)	06/08/79
V3197	2776-64 TH ST.	DELTA, CORP OF	WATER SERVICE	04/28/87
V3318	72 ST. S OF LAD. TRK. RD	DELTA, CORP OF	WATER XING	05/13/86
V3574-1-57	120 ST BTN 84 & 86 AVE	DELTA, CORP OF	800MM DI WATER	
V 712	66 ST. & LADNER TRUNK	DELTA, CORP OF (AESL)	24" SEWER	10/15/78
V 473	EASEMENT RUNNING S. FROM 8400 BLK. RIVER RD.	DELTA, CORP OF C/O AESL	PIPE WEIR INSTALLATION	09/21/77
V 474-1-93	TASKER RD. S. OF RIVER RD.	DELTA, CORP OF C/O AESL		
V 603-1-65	RD. S. WEST OF TASKER S. OF RIVER RD.	DELTA, CORP OF C/O AESL	36" SEWER	03/17/78
V 705	64 ST. N. OF 43A AVE	DELTA, CORP OF C/O AESL	24" SEWER	10/05/78
V 706	64 ST. N. OF 43A AVE	DELTA, CORP OF C/O AESL		
V 72	56 ST. & 28 AVE	DELTA, CORP OF C/O DAYTON & KNIGHT	WATER	
V 119	57B ST. @ DELTAPORT WAY	DELTA, CORP OF C/O DAYTON & KNIGHT	30" WATER MAIN	07/27/73

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V 387	56 ST. & 18 AVE	DELTA, CORP OF C/O W.C. & T.	48" STORM SEWER	09/17/76
V 12-1-30 31	200 ST. S. OF 68 AVE	DEPT OF HIGHWAYS		04/04/73
V 120-1-21 22	176 ST. S. OF 96 AVE	DEPT OF HIGHWAYS	NEW HIGHWAY XING	10/11/74
V 139-1-34	CLOVER VALLEY M. OF FR. HWY	DEPT OF HIGHWAYS	ROAD	03/18/74
V 404-1-77	CAPE HORN INTERCHANGE	DEPT OF HIGHWAYS	STREET LIGHTING	10/22/
V 803-1-40	KING GEORGE HWY S. OF 88 AVE	DEPT OF HIGHWAYS	HWY RECONSTRUCTION, CONCRETE CULVERT INS	
V 804-1-53	KING GEORGE HWY S. OF 88 AVE	DEPT OF HIGHWAYS	HWY RECONSTRUCTION, CONCRETE CULVERT INS	06/12/79
V 812-1-53	K. GEORGE HWY, N. OF 92	DEPT OF HIGHWAYS	ROAD WIDENING	04/27/79
V 813-1-53	K. GEORGE HWY, N. OF 92	DEPT OF HIGHWAYS	CONCRETE CURB - WEST SIDE	
V 814-1-40	K. G. HWY, S. OF 88 AVE	DEPT OF HIGHWAYS	ROAD WIDENING	05/08/79
V 815-1-40	K. G. HWY, S. OF 88 AVE	DEPT OF HIGHWAYS	CURBS	
V 816-1-40	KING GEO. HWY S OF 88 AVE	DEPT OF HIGHWAYS	SIDEWALK	
V 859	GLOVER RD. & LANG. BYPASS	DEPT OF HIGHWAYS	ROAD CONSTRUCTION	
V 920	68 AVENUE & KING GEORGE HWY	DEPT OF HIGHWAYS	ROAD WIDENING	
V 923	KING GEO. HWY & 68 AVENUE	DEPT OF HIGHWAYS	CURB & GUTTERS(6" TP 275)	
V 924	KING GEO. HWY & 68 AVENUE	DEPT OF HIGHWAYS	SIDEWALK	
V 925	KING GEO. HWY & 68 AVENUE	DEPT OF HIGHWAYS	24" STORM DRAIN	
V 926	KING GEO. HWY & 68 AVENUE	DEPT OF HIGHWAYS	15" STORM DRAIN	
V3493-1-74	ANNACIS HWY RICHMOND	DEPT OF HIGHWAYS	20" - HIGHWAY	
V3494-1-74	ANNACIS HWY RICHMOND	DEPT OF HIGHWAYS	24" - HIGHWAY	
V 344-1-56 57	120 ST. & 86 AVE	DEPT OF HIGHWAYS - GOODBRAND	24" STORM SEWER	03/23/77
V 97-1-7	W. OF 272 ST., N. OF 40 AVE. REGIONAL PROPERTIES.	DEPT OF NATIONAL DEFENCE	ACCESS ROAD	
V1730.1.7	WEST OF JACKMAN RD	DEPT OF NATIONAL DEFENCE	42" SENTINEL FENCE	
V1731.1.7	WEST OF JACKMAN RD	DEPT OF NATIONAL DEFENCE	30" SENTINEL FENCE	
V1797.1.7	ARMY CAMP	DEPT OF NATIONAL DEFENCE	FENCE 42"	
V1798.1.7	ARMY CAMP	DEPT OF NATIONAL DEFENCE	FENCE 30	
V3049-1-7	264 ST.	DEPT OF NATIONAL DEFENCE	42" SENTINEL FENCE	02/07/85
V3050-1-7	264 ST.	DEPT OF NATIONAL DEFENCE	30" SENTINEL FENCE	02/07/85
V3051-1-7	272 ST	DEPT OF NATIONAL DEFENCE	42" SENTINEL FENCE	02/07/85
V3052-1-7	272 ST	DEPT OF NATIONAL DEFENCE	30" SENTINEL FENCE	02/07/85
V3091-1-7	DND ALDERGROVE RIVERSIDE EXCAVATION	DEPT OF NATIONAL DEFENCE	30" ROAD WITH SLABS	04/19/85
V3092-1-7	DND ALDERGROVE RIVERSIDE EXCAVATION	DEPT OF NATIONAL DEFENCE	42" ROAD WITH SLABS	04/19/85
V3093-1-7	DND ALDERGROVE RIVERSIDE EXCAVATION	DEPT OF NATIONAL DEFENCE	30" CONC. SLABS	04/19/85
V3094-1-7	DND ALDERGROVE RIVERSIDE EXCAVATION	DEPT OF NATIONAL DEFENCE	42" CONC. SLABS	04/19/85
V3095-1-7	DND ALDERGROVE	DEPT OF NATIONAL DEFENCE	30" DITCH	
V3096-1-7	DND ALDERGROVE	DEPT OF NATIONAL DEFENCE	42" DITCH	
V3097-1-7	DND ALDERGROVE	DEPT OF NATIONAL DEFENCE	30" DITCH	
V3098-1-7	DND ALDERGROVE	DEPT OF NATIONAL DEFENCE	42" DITCH	
V 195-1-2	VYE & RIVERSIDE	DEPT OF PUBLIC WORKS	B) 8" WATER MAIN	10/09/
V 195-1-2	VYE & RIVERSIDE	DEPT OF PUBLIC WORKS	A) 18" WATER MAIN	10/09/

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V 195-1-2	VYE & RIVERSIDE	DEPT OF PUBLIC WORKS	C) ROAD CONST	
V 196-1-2	VYE & RIVERSIDE	DEPT OF PUBLIC WORKS	ROAD XING	11/10/75
V 197-1-2	VYE & RIVERSIDE	DEPT OF PUBLIC WORKS	CULVERT	05/10/76
V 303-1-2	N. OF VYE, W. OF RIVERSIDE	DEPT OF PUBLIC WORKS	REINFORCE ROAD CROSSINGS	
V 316-1-2	RIVERSIDE N. OF VYE	DEPT OF PUBLIC WORKS	ELECTRICAL DUCT BANK	02/03/76
V 383-1-2	MATSQUI INSTITUTE	DEPT OF PUBLIC WORKS	12 KV CABLE - 2 XINGS	
V 402-1-3	SWC KING & GLADWIN MATSQUI INSTITUTE	DEPT OF PUBLIC WORKS	U/G ELECTRIC CABLE	03/01/77
V 151-1-4	QUEEN ST. S. OF PEARDONVILLE	DEPT OF TRANSPORT	SANITARY SEWER	05/16/
V1525	CEDAR & ALDER	DEWDNEY	WATER MAIN 8"	10/10/81
V1526	CEDAR & ALDER	DEWDNEY	WATER MAIN 8"	03/02/82
V1527	CEDAR & ALDER	DEWDNEY	WATER MAIN 8"	02/26/82
V 337-1-76	S. OF 401. W. OF P. MANN BR.	DILLINGHAM CORPORATION	TEMPORARY ROAD CROSSING	02/10/76
V 451-1-19	192 ST. S. OF 96 AVE	DMR TRANSPORT	TRAILER PARKING	
V 321-1-19	LANG/SURREY BDRY. N. OF 94A	DOMINION CONSTRUCTION	CONCRETE FLUME	11/01/76
V 322-1-19	198 ST N OF 94A AVENUE	DOMINION CONSTRUCTION	CURBS	
V 322-1-19	198 ST. N. OF 94A AVE	DOMINION CONSTRUCTION	A-F RD. CURBS, SIDEWALKS, SEWER & WATER	
V 778-1-19	S. OF 96 AVENUE	DOMINION CONSTRUCTION		
V 791-1-19	198 ST. S. OF 96 AVE	DOMINION CONSTRUCTION	PARKING LOT IN R/W	11/03/78
V1016-1-100	1515 KINGSWAY PT COQUITLAM	DOMINION CONSTRUCTION	6" WTR MAIN 12" MTP	10/11/79
V1017-1-100	1515 KINGSWAY PT COQUITLAM	DOMINION CONSTRUCTION	12" SAN SEWER 12" MTP	10/11/79
V1018-1-100	1515 KINGSWAY PT COQUITLAM	DOMINION CONSTRUCTION	DRIVEWAY 12" MTP	
V1109.1.19	198 ST. & 96 AVE V914 1 19 SEE CAN.	DOMINION CONSTRUCTION	SUPERSEDES V914 RAIL XING OF 30" MTP	
V 411-1-19	9565 198 ST.	DOMINION CONSTRUCTION WESTERN SUPP.	GRAVEL DRIVEWAY	
V1672.1.100	KINGSWAY	DOVER ENGINEERING	ROADWORK 12 MTP	01/24/82
V1673.1.100	KINGSWAY	DOVER ENGINEERING	SEWER 12 MTP	04/27/82
V1688.1.100	1515 KINGSWAY	DOVER ENGINEERING	CONC. SLABS 12"	05/31/82
V1389.1.76	BURRIDGE & ROGERS	DUAL CONSTRUCTION	TEMP ROAD 2"	01/16/81
V1568.1.76	MAYFAIR IND PK	DUAL CONSTRUCTION	TEMP RD XING 20"	09/24/81
V3326-1-39A	14266-87A SRY	DYCK, H	STN, SWALE/FILL	01/06/88
V 78-1-40	BEAR CREEK PARK	E.BEAZLEY & ASSOC. FOR CORP. SURREY	6" D.I. WATER MAIN	10/13/72
V3517-1-64	8510 RIVER RD DELTA	EBSCO INDUSTRIES	DITCH X-ING 24MTP	09/17/87
V3518-1-64	8510 RIVER RD DELTA	EBSCO INDUSTRIES	DITCH X-ING 36MTP	09/17/87
V 798-1-43	129A ST. S. OF 100 AVE	EL-SEWARO ENG. LTD.	6" WATER	03/30/79
V 799-1-43	129A ST. S. OF 100 AVE	EL-SEWARO ENG. LTD.	8" STORM DRAIN	03/26/79
V 800-1-43	129A ST. S. OF 100 AVE	EL-SEWARO ENG. LTD.	ROAD	05/11/79
V 801-1-43	129A ST. S. OF 100 AVE	EL-SEWARO ENG. LTD.	CURBS	04/24/79
V 802-1-43	129A ST. S. OF 100 AVE	EL-SEWARO ENG. LTD.	STREET LIGHTING CONDUIT	
V3347-1-79	BUOY DRIVE, COQ.	ELBE, LOCK & WALLS	ROAD	10/17/86
V3348-1-79	BUOY DRIVE, COQ.	ELBE, LOCK & WALLS	WATERMAIN.	11/05/86
V3422-1-79	BUOY DRIVE, COQ.	ELBE, LOCK & WALLS	ST. LIGHTING	
V3536-1-85	MCKAY ST, W OF ALBION GTE	ELKWOOD SPECIALTIES	SOIL STRIPPING	
V3550-1-85	ALBION GATE - MCKAY AVE	ELKWOOD SPECIALTIES	PAVED INDUSTRIAL LOT	12/11/87

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V3568-1-85	23225 MCKAY AVE	ELKWOOD SPECIALTIES	400MM STORM	
V3569-1-85	23225 MCKAY AVE	ELKWOOD SPECIALTIES	200MM STORM	02/18/88
V3570-1-85	23225 MCKAY AVE	ELKWOOD SPECIALTIES	SANITARY	02/18/88
V3571-1-85	23225 MCKAY AVE	ELKWOOD SPECIALTIES	PAVING	
V3609-1-85	23347 MCKAY AVE	ELKWOOD SPECIALTIES	8" WATER	05/12/88
V3610-1-85	23347 MCKAY AVE	ELKWOOD SPECIALTIES	8" WATER	05/12/88
V3619-1-85	23347 - MCKAY AVE	ELKWOOD SPECIALTIES	ELEC DUCTS	08/12/88
V 234-1-93	1545 KINGSWAY	ELLWOOD PROPERTIES	A) ROAD	02/28/71
V 234-1-93	1545 KINGSWAY	ELLWOOD PROPERTIES	B) STORM	01/14/71
V 234-1-93	1545 KINGSWAY	ELLWOOD PROPERTIES	C) DRAINAGE DITCH	12/12/73
V 251-1-99	1575 KINGSWAY	ELLWOOD PROPERTIES	4" WATER	06/03/75
V1726.1.65	VANTAGE WAY	ELTRON	PARKING LOT 24.36	
V2100-1-65	7583 VANTAGE WAY DELTA	ELTRON	PAVED DRIVEWAY 24"	05/04/84
V2101-1-65	7583 VANTAGE WAY DELTA	ELTRON	SLABS	04/27/84
V2102-1-65	7583 VANTAGE WAY DELTA	ELTRON	PAVED DRIVEWAY 36"	04/27/84
V1807.1.18	96 AVE & 200 ST	EMERCON	ST. LIGHT	11/03/82
V3155-1-10	6918 - 232 ST	EQUESTRIAN ASSOC.	DRAINAGE DITCHES 12"	
V3156-1-10	6918 - 232 ST	EQUESTRIAN ASSOC.	DRAINAGE DITCHES 30"	
V3157-1-10	6918-232 ST	EQUESTRIAN ASSOC.	GRADING 12"	
V3158-1-10	6918-232 ST	EQUESTRIAN ASSOC.	GRADING 30"	
V 19-1-101	LOTS 13, 14, 15 - BLK. A N. OF KINGSWAY, PT. COQ.	ESCO LTD	ROAD CONSTRUCTION	
V 619-1-101	KINGSWAY S. OF TYNER	ESCO LTD	8" WATER	12/14/77
V1834.1.56	121B ST S OF 86 AVE	EXCEAT ENT	STORM SEWER 24	09/21/82
V 985	RING RD N OF 88 AVE W OF 138	EXCEAT ENT FOR DIST SURREY	ROADWORK 6"TP	
V 986	RING RD N OF 88 AVE W OF 138	EXCEAT ENT FOR DIST SURREY	ROADWORK 8"TP	
V 987	68 AVENUE DIVERSION OFF RING ROAD	EXCEAT ENT FOR DIST SURREY	ROADWORK 6"TP	
V 988	68 AVE N OF 138 STREET	EXCEAT ENT FOR DIST SURREY	CULVERT 6"TP	08/27/
V 989	NEWTON RING RD & 68 AVENUE	EXCEAT ENT FOR DIST SURREY	DITCHES 6"TP	
V 990	68 AVE DIV & BCH RAILWAY @ 138 ST	EXCEAT ENT FOR DIST SURREY	DITCHES 6"TP	
V 991 (R1)	68 AVE & BCH RLWY @ 13800 BLK	EXCEAT ENT FOR DIST SURREY	STORM SEWER 6"TP	10/09/79
V 992	68 AVE & BCH R/W @ 13800 BLK	EXCEAT ENT FOR DIST SURREY	STORM SEWER 6"TP	10/09/79
V2984-1-8A	23840 - 56 AVE.	EXMANN, G	DOG RUN	09/11/84
V3466-1-50	10091-140 ST.	EYRE, W	FILL	
V3506-1-97	E SIDE PITT RIVER, MAPLE RIDGE	F.MEIER LOGS LTD.	PERMANENT BRIDGE	08/28/87
V2026-1-31	19888-68 AVE LANGLEY	FAIRWEATHER	DRIVEWAY	11/25/83
V2027-1-31	19888-68 AVE LANGLEY	FAIRWEATHER	20MM H2O SERV	10/02/83
V2028-1-31	19894-68 AVE LANGLEY	FAIRWEATHER	DRIVEWAY	11/25/83
V2029-1-31	19894-68 AVE LANGLEY	FAIRWEATHER	20MM H2O	10/ /83
V3643-1-77	S OF AUSTIN AVE	FARS F.R. HOLDINGS	GRAVEL DRIVEWAY	
V3006-1-17	21202 - 95A AVE, LANGLEY	FEDYK	FILL	
V1045-666-1	BEATTY ST (MISSION IND. PARK)	FENCO	75 MM SEWER (8" T.P.)	12/05/79
V1046-666-1	BEATTY ST (MISSION IND. PARK)	FENCO	200 MM WATER (8" T.P.)	11/26/79
V1078-666-1	BEATTY ST (MISS IND. PARK)	FENCO	ROADWAY 8" TP	03/31/80
V1079	BEATTY ST (MISS IND. PARK)	FENCO	CULVERT 8" TP	03/31/80

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V1460	N/S NICOHEKL	FENCO	FILL 8"	09/14/81
V1474	152 ST E 40 AVE	FENCO	FILL 05.19	06/31/81
V1503	152 ST & 40 AVE	FENCO	ACCESS RD. 8"	
V1504	152 ST & 40 AVE	FENCO	TEMP DITCH 8"	
V1523	152 ST & 40 AVE	FENCO	PRELOAD 8"	
V1579.1.37	152 ST & 78 AVE	FENCO	SEWER 18"	10/08/81
V1594	152 ST & 78 AVE	FENCO	STORM SEWER 12"	10/18/81
V1600	152 ST & 72 AVE SOUTH	FENCO	ROADWORK 12"	10/26/81
V1601	152 ST & 72 AVE SOUTH	FENCO	STORM SEWER 12"	10/26/81
V1602	152 ST & 72 AVE NORTH	FENCO	ROADWORK 12"	10/26/81
V1603	152 ST & 76 AVE SOUTH	FENCO	STORM CULVERT 12"	10/21/81
V1604	152 ST & 76 AVE NORTH	FENCO	STORM CULVERT 12"	10/22/81
V1605	152 ST & 72 AVE NORTH	FENCO	200MM PUC SEWER	10/21/81
V1606	152 ST & 72 AVE NORTH	FENCO	200MM PUC SEWER	10/26/81
V1607	152 ST & 72 AVE NORTH	FENCO	200MM PUC SEWER	10/21/81
V1608	152 ST & 72 AVE NORTH	FENCO	200MM PUC SEWER	03/30/82
V1609	152 ST & 72 AVE NORTH	FENCO	200MM PUC SEWER	03/30/82
V1613.1.37	152 ST N OF BEAR CREEK	FENCO	ROADWORK 18"	
V1619	152 ST & BEAR CREEK	FENCO	ROADWORK 4"	09/11/81
V1636	152 ST 36TH TO 40TH AVE	FENCO	SEWER 8"	12/14/81
V1637	152 ST 36TH TO 40TH AVE	FENCO	CULVERT 8"	12/14/81
V1638	152 ST 36TH TO 40TH AVE	FENCO	CULVERT 8"	12/14/81
V1644	152 ST 36 AVE & 40	FENCO	CATCHBASIN LEADS	12/07/81
V1645	152 ST 36 AVE & 40	FENCO	CATCHBASIN LEADS	06/10/82
V1646	152 ST 36 AVE & 40	FENCO	CATCHBASIN LEADS	06/10/82
V1647	152 ST 36 AVE & 40	FENCO	CATCHBASIN LEADS	06/10/82
V1648	152 ST 36 AVE & 40	FENCO	CATCHBASIN LEADS 4"	06/10/82
V1649	152 ST 36 AVE & 40	FENCO	CATCHBASIN LEADS 12"	06/10/82
V1654	152 ST TO 66 A	FENCO	ROADWORK	
V1655	152 ST TO 66 A	FENCO	CATCH BASIN LEADS	02/25/82
V1656	152 ST TO 66 A	FENCO	CATCH BASIN LEADS	02/25/82
V1657	152 ST TO 66 A	FENCO	CATCH BASIN LEADS	02/25/82
V1658	152 ST TO 66 A	FENCO	CATCH BASIN LEADS	02/25/82
V1659	152 ST 66A TO 72	FENCO	CATCH BASIN LEADS TP	07/07/82
V1660	152 ST 66A TO 72	FENCO	CATCH BASIN LEADS TP	07/07/82
V1661	152 ST 66A TO 72	FENCO	CATCH BASIN LEADS TP	07/07/82
V1662	152 ST 66A TO 72	FENCO	CATCH BASIN LEADS TP	07/07/82
V1663	152 ST 66A TO 72	FENCO	CATCH BASIN LEADS TP	07/07/82
V1664	152 ST 66A TO 72	FENCO	CATCH BASIN LEADS TP	07/07/82
V1665	152 ST 66A TO 72	FENCO	CATCH BASIN LEADS TP	07/07/82
V1670	152 ST & 56TH AVE	FENCO	ROADWORK TP	
V1675	68 AVE N OF 152	FENCO	ROADWORK TP	
V1683	152 ST - 64 AVE	FENCO	U/G ELEC TP	06/05/82
V1683 R	152 ST & 64 AVE	FENCO	25 MM & 50 MM PUC	06/05/82
V1685	152 & 36	FENCO	STORM SEWER TP	01/19/82
V1686	152 & 36	FENCO	CATCHBASIN TP	01/18/82
V1687	152 & 64	FENCO	U/G ELEC TP	06/10/82

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V1727	152 ST - 40 - 56 AVE	FENCO	ROADWORK	
V1737	152 & KING GEO	FENCO	ROADWORK	03/05/82
V1741	152 ST & 4600 BLK	FENCO	CULVERT 8 TP	06/15/84
V1742	152 ST & 4600 BLK	FENCO	CULVERT 8 TP	
V1743	152 ST & 4600 BLK	FENCO	CULVERT 8 TP	
V1744	152 ST & 4600 BLK	FENCO	CULVERT 8 TP	
V1745	152 ST & 40 AVE	FENCO	SLABS 12 TP	
V1750	152 ST & 24 AVE	FENCO	ROADWORK	11/01/82
V1754	152 & 24TH AVE	FENCO	ROADWORK	02/03/84
V1755	152 & 24TH AVE	FENCO	ROADWORK	
V1769	152 ST & 68TH AVE	FENCO	CULVERT	05/03/82
V1773	152 ST & 68 AVE	FENCO	CULVERT	05/05/82
V1777	152 ST S OF 44 AVE	FENCO	CULVERT TP	06/07/82
V1799	152 ST AT 48 AVE	FENCO	CULVERT TP	
V1814	152 ST S OF COLEBROOK	FENCO	CULVERT TP	06/22/82
V1815	152 ST 40TH AVE TO 50	FENCO	ROADWORK TP	02/09/84
V1833	4900 BLK 152 ST	FENCO	CULVERT 8 TP	02/09/84
V1845	152 ST AND 48 AVE	FENCO	ROADWORK TP 1 1/4	02/09/84
V1857	48 AVE 152 ST	FENCO	ROADWORK TP 2"	02/09/84
V1882	152 ST N OF 48 AVE	FENCO	CULVERT TP	09/16/82
V2007-1-18	20610 - 95A AVE, SURREY	FINNEN	RETAINING WALL/LANDFILL	
V 270-1-23	96 AVE W. OF 162 ST.	FIX, J	DRIVEWAY CROSSING	
V1763.1.57	8475 117B ST	FLICK	PUC PIPE 4"	03/24/82
V3528-1-1	461 ANGUS CAMPBELL RD	FLOKSTA, F	DRAINAGE DITCH - 30"	09/18/87
V3529-1-1	461 ANGUS CAMPBELL RD	FLOKSTA, F	DRAINAGE DITCH - 42"	09/18/87
V 92-1-14 (B)	BETWEEN GAY & TRATTLE ST. FORT LANGLEY	FORT DEVELOPMENTS LTD.	6" A.C. WATER	02/26/73
V 92-1-14 (A)	BETWEEN GAY & TRATTLE ST. FORT LANGLEY	FORT DEVELOPMENTS LTD.	ROAD	02/26/73
V3504-1-8	4855-248 ST.	FRANK, W	PERIMETER DRAIN	
V3464-1-22	17252-96 AVE.	FREEBORN, T	FILL	
V1069-1-7	272 ST & 40 AVENUE	FROESE, P J	DRAINAGE DITCH 30"	08/16/80
V1070-1-7	272 ST & 40 AVENUE	FROESE, P J	DRAINAGE DITCH 42"	08/16/80
V3463-1-394	14614-87A AVE.	FYFFE, G	FILL & RETAINING WALL	
V 993	8750 MCLEAN ROAD	GAGLARDI, A	4" SAN SEWER 2TP (125)	09/12/79
V 994	29677 LOUGHEED HIGHWAY	GAGLARDI, A	1" & 11/2" CASED WATER 2 TP (125)	09/17/79
V3472-1-2	MATSQUI INST. KING RD	GANDER, L P	30" ELEC DUCTS	09/04/87
V3473-1-2	MATSQUI INST. KING RD	GANDER, L P	42" ELEC DUCTS	09/04/87
V1380.1.8	24679 48B AVE	GARTH OLSON	11/4" PLASTIC 30"	01/27/81
V1381.1.8	24679-48B AVE	GARTH OLSON	11/4" PLASTIC 42"	01/27/81
V3338-1-87	HARRISON ROAD MAPLE RDG.	GENESIS DEVELOPMENT	WATER	05/01/88
V3339-1-87	HARRISON ROAD MAPLE RDG.	GENESIS DEVELOPMENT	STREET LIGHTING	05/01/88
V 628-1-80	APPROX. 3250' N. OF BARNET HWY (EAGLE RIDGE)	GENSTAR DEV.	TEMPORARY RD. XINGS	07/04/78
V 629-1-80	APPROX. 4500' N. OF BARNET HWY (EAGLE RIDGE)	GENSTAR DEV.	TEMPORARY RD. XINGS	07/04/78

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V 656-1-80	RD. "A" N/S COLLECTOR-EAGLE RIDGE II	GENSTAR DEV.		08/23/78
V 657-1-80	RD. "B" N/S COLLECTOR-EAGLE RIDGE II	GENSTAR DEV.		07/26/
V 674-1-80	EAGLE RIDGE DEV. STAGE II	GENSTAR DEV.	STORM (CANCELLED)	
V 675-1-80	EAGLE RIDGE DEV. STAGE II	GENSTAR DEV.	SANITARY	06/16/78
V 676-1-80	EAGLE RIDGE DEV. STAGE II	GENSTAR DEV.	STORM	06/16/78
V 677-1-80	EAGLE RIDGE DEV. STAGE II	GENSTAR DEV.	SANITARY	
V 682-1-80	EAGLE RIDGE DEV. STAGE II	GENSTAR DEV.	SIDEWALK	
V 683-1-80	EAGLE RIDGE DEV. STAGE II	GENSTAR DEV.	8" STORM SEWER	
V 743-1-80	EAGLE RIDGE STAGE II SOUTH COLLECTOR	GENSTAR DEV.	6" WATER MAIN	07/27/78
V 744-1-80	EAGLE RIDGE STAGE II NORTH COLLECTOR	GENSTAR DEV.	8" WATER MAIN	08/31/78
V 782-1-80	N - N/S COLLECTOR	GENSTAR DEV.	ORNAMENTAL STREET LIGHTING	10/03/79
V 783-1-90	N. SIDE OF SOUTH N/S COLLECTOR	GENSTAR DEV.	ORNAMENTAL STREET LIGHTING	
V 784-1-90	S. SIDE OF SOUTH N/S COLLECTOR	GENSTAR DEV.	ORNAMENTAL STREET LIGHTING	
V1029-4-28-5	152 ST & 18 AVE. SURREY	GENSTAR DEV.	TRAFFIC SIGNAL CONTROL DUCT	11/19/
V1035-428-5	152 ST & 18 AVE - SEC	GENSTAR DEV.	TRAFFIC SIGNAL CONTROL	11/19/79
V1050-1-79	MARINER WAY & SPURWAY AVE.	GENSTAR DEV.	STORM SEWER 20" MTP	
V1051-1-79	MARINER WAY & SPURWAY AVE.	GENSTAR DEV.	STORM SEWER 20" MTP	
V1054-1-79	MARINER & SPURWAY	GENSTAR DEV.	SAN. SEWER 20" MTP	
V1141	152 ST. & 19TH AVE.	GENSTAR DEV.	STORM SEWER	06/23/80
V1205.1.79	SPURWAY & COMO LAKE	GENSTAR DEV.	30 MM ST. HG 20" MTP	07/25/80
V1206.1.79	MARINER N OF COMO LK	GENSTAR DEV.	30 MM ST. HG 20" MTP	
V1239	152 ST & 19 AVE	GENSTAR DEV.	200 M DRAIN 5" TP	09/12/80
V1268.1.8	WEST OF BARNETT HWY	GENSTAR DEV.	SAN SEWER 20"	02/02/81
V1269.1.8	WEST OF BARNETT HWY	GENSTAR DEV.	STORM SEWER 20"	02/02/81
V1271.1.8	W OF BARNETT HWY	GENSTAR DEV.	ROAD GRADE 20"	09/17/81
V1272.1.8	W OF BARNETT HWY	GENSTAR DEV.	TEMP CROSSING 20"	02/02/81
V1309	19 AVE E OF 152 ST	GENSTAR DEV.	ST. LIGHT 8"	
V1544.1.80	EAGLE REDE N OF LANSDOWNE	GENSTAR DEV.	WATERMAIN 20"	05/25/83
V1549.1.80	EAGLE RIDGE	GENSTAR DEV.	TEMP EQUIP X 20"	05/25/83
V 283-1-20	95A AVE & 192 ST.	GEOFF HOBBS & ASSOCIATES	STORM SEWER	
V 817-1-85	TILBURY PARK N. MITCHELL LUMBER CO.	GIEGERICH ENG. SERV. LTD.	10" STORM SEWER	05/25/79
V 818-1-85	TILBURY PARK	GIEGERICH ENG. SERV. LTD.	12" STORM SEWER	02/19/79
V 819-1-85		GIEGERICH ENG. SERV. LTD.	8" SANITARY SEWER	02/07/79
V 820-1-85		GIEGERICH ENG. SERV. LTD.	8" WATER	02/01/79
V 821-1-85		GIEGERICH ENG. SERV. LTD.	CRUSHED Limestone PARKING LOT	
V 822-1-85		GIEGERICH ENG. SERV. LTD.	BLACKTOP DRIVEWAY	01/18/79
V3143-1-95	LOUGHEED HWY & PARK RD PITT MEADOWS	GIFCO ENGINEERING	GRADING	09/19/85
V3144-1-95	LOUGHEED HWY & PARK RD PITT MEADOWS	GIFCO ENGINEERING	PAVED ROAD & SLABS	10/10/85
V3145-1-95	LOUGHEED HWY & PARK RD PITT MEADOWS	GIFCO ENGINEERING	STORM SEWER	11/10/85

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FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V3159	151 ST. & 24 AVE	GIFCO ENGINEERING	WATERMAIN	06/19/85
V3180	151 ST & 24 AVE	GIFCO ENGINEERING	ROADWORK	06/19/85
V3188-1-95	PARK RD. PITT MEADOWS	GIFCO ENGINEERING	BERM & FENCE	04/21/86
V3241-1-95	BONSON & LOUGHEED	GIFCO ENGINEERING	STORM SEWERS	03/25/86
V3242-1-95	BONSON & LOUGHEED	GIFCO ENGINEERING	150MM PVC DRAINS.	03/25/86
V3631	4115 - 208 ST	GIFCO ENGINEERING	ROADWORK	
V3468-1-2	MCKENZIE RD	GILL, H (MURPHY & WAKEFIELD)	IRRIGATION - 30"	06/16/87
V3469-1-2	MCKENZIE RD	GILL, H (MURPHY & WAKEFIELD)	IRRIGATION - 42"	06/16/87
V1611.1.64	TASKER RD.	GOLDBERG, H	PARKING LOT 09.30	
V1690.1.3	30632 MARSHALL RD	GOLDEN VALLEY PROC	4" WATER 30"	04/14/82
V1691.1.3	30632 MARSHALL RD	GOLDEN VALLEY PROC	4" WATER 42"	04/14/82
V1692.1.3	30632 MARSHALL RD	GOLDEN VALLEY PROC	4" WATER 30"	04/14/82
V1693.1.3	30632 MARSHALL RD	GOLDEN VALLEY PROC	4" WATER 42"	04/14/82
V1825.1.3	31632 MARSHALL ROAD	GOLDEN VALLEY PROC	ROAD 30 MTP	
V1826.1.3	31632 MARSHALL ROAD	GOLDEN VALLEY PROC	ROAD 42 MTP	
V1883-1-3	MARSHALL & FOY RD MATSQUI	GOLDEN VALLEY PROC	H2O DISCHARGE OVER 30" MTP	
V1884-1-3	MARSHALL & FOY RD MATSQUI	GOLDEN VALLEY PROC	H2O DISCHARGE OVER 42" MTP	
V 254-1-54	132 ST. & 90 AVE.	GOODBRAND CONSTRUCTION	WATER MAIN	03/26/75
V 880-1-65	S. OF TILBURY STN. 12"	GOODBRAND CONSTRUCTION	TEMPORARY ROAD XING	04/25/78
V3638-1-43	12865 - 99 AVE	GORDON MCMILLAN	STORM SEWER	
V3639-1-43	12865 - 99 AVE	GORDON MCMILLAN	FILL	
V3298-1-57	8481-118A ST.	GORDON, E	DRAIN TILE	01/14/87
V1122.1.69	HOPCOTT RD - TILBURY	GOWER YEUNG	FILL 6" MTP	
V1123.1.69	HOPCOTT RD - TILBURY	GOWER YEUNG	FILL 12" MTP	
V1124.1.69	HOPCOTT RD - TILBURY	GOWER YEUNG	4" WTR. SER 6" MTP	
V1125.1.69	14 HOPCOTT RD. TILBURY	GOWER YEUNG	4" WTR. SER. 12" MTP	
V1126.1.69	14 HOPCOTT RD. TILBURY	GOWER YEUNG	8" STORM SEW. 6" MTP	
V1127.1.69	14 HOPCOTT RD. TILBURY	GOWER YEUNG	8" STORM SEW. 12" MTP	
V 189-1-8	56 WAGONWHEEL CR.	GRANT, B	ISSUED FOR RECORD KEEPING PURPOSES ONLY	
V2951-1-31	19315 - 70 AVE SURREY	GRIZZLY CONSTRUCTION	FILL	06/22/84
V2952-1-31	19315 - 70 AVE SURREY	GRIZZLY CONSTRUCTION	4" DRAIN	04/28/87
V3427-1-8A	5519-239 ST.	GROENHOF, MRS.	WATER SERVICE.	01/20/87
V3428-1-8A	5519-239 ST.	GROENHOF, MRS.	ELECTRICAL SERVICE	01/20/87
V 191	88 AVE W. OF 200 ST.	GURAN CONSTRUCTION	ROAD	
V1338	GLADWIN RD N OF MCLURE	H & M DESIGN	WATER	11/13/80
V1339	GLADWIN RD N OF MCLURE	H & M DESIGN	ROADWORK	02/ /81
V1340	GLADWIN RD N OF MCLURE	H & M DESIGN	SAN SEWER	01/06/81
V1341	GLADWIN RD N OF MCLURE	H & M DESIGN	STORM SEWER	01/06/81
V1052-1-92	GLENWOOD & HOOD STREET	H & M DEVELOP.	WALKWAY 12 MTP	
V1053-1-92	GLENWOOD & HOOD STREET	H & M DEVELOP.	6" WATERLINE 12 MTP	
V 531	SUBDIV. E. OF 210 ST. MAPLE RIDGE	H & M DEVELOP. C/O WALEMCO ENG.	RD XING	
V 436-1-93	210 ST. @ 121 AVE., N.R.	H & M DEVELOP. CONTR. LTD.	ROAD, CURB, SIDEWALK, STORM & WATER MAIN	09/ /77
V1191	SELDON RD.	H B CONSTRUCTION	HOG FUEL RD	07/23/80
V 154-1-41	88 AVE & 130 ST.	H B CONSTRUCTION C/O APLIN & MARTIN	42" STORM	01/01/74

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V3038-1-17	95A AVE. & 214A ST	H O H & D #11	FILL	
V3640-1-85	23371 FISHERMANS RD	H&R REDI-MIX	SANITARY SEWER	
V3641-1-85	23371 FISHERMANS RD	H&R REDI-MIX	STORM SEWER	
V3642-1-85	23371 FISHERMANS RD	H&R REDI-MIX	WATER SERVICE	
V 239-1-99	S. OF LOUGHEED APPROX AUSTIN/BURY	H.A.ROBERTS GROUP LTD.	TEMPORARY ROAD XING	03/04/75
V3371-1-94	BECKER SUBDIVISION EAST OF 206 HAMILTON & ASSOC ST. NORTH OF		Ø50 PVC STM	10/27/86
V3372-1-94	DEWDNEY TK RD	HAMILTON & ASSOC	200 PVC SAN	10/27/86
V3373-1-94	MAPLE RIDGE	HAMILTON & ASSOC	150 DI H2O	10/27/86
V3374-1-94	MAPLE RIDGE	HAMILTON & ASSOC	ROAD C	10/27/86
V3375-1-94	MAPLE RIDGE	HAMILTON & ASSOC	1350MM CSP CULVERT	10/27/86
V3387-1-94	207 & DEWDNEY TR.	HAMILTON & ASSOC	STORM	10/21/86
V3388-1-94	207 & DEWDNEY TR.	HAMILTON & ASSOC	SANITARY	10/21/86
V3389-1-94	207 & DEWDNEY TR.	HAMILTON & ASSOC	SANITARY	10/21/86
V3390-1-94	207 & DEWDNEY TR.	HAMILTON & ASSOC	WATER	10/21/86
V3391-1-94	207 & DEWDNEY TR.	HAMILTON & ASSOC	WATER	10/21/86
V3392-1-94	207 & DEWDNEY TR.	HAMILTON & ASSOC	ROAD	10/21/86
V3454-1-94	207 & DEWDNEY TRUNK	HAMILTON & ASSOC	SANITARY	08/04/87
V3455-1-94	207 & DEWDNEY TRUNK	HAMILTON & ASSOC	DRIVEWAY	08/12/87
V3399-1-94	207 & DEWDNEY TRUNK RD.	HAMILTON & ASSOC (LIEN ENG.)	STREET LIGHTING	01/05/88
V3355-1-71	DYKE RD. RICHMOND	HANSON, E H	10" VACUUM LINE (24")	
V3356-1-71	DYKE RD. RICHMOND	HANSON, E H	10" VACUUM LINE (20")	09/12/86
V2950-1-17	S OF 96, W OF 213 ST.	HARLEY CONSTRUCTION	FILL	06/25/84
V1590.1.77	CAPE HORN - MATHESON	HAYES LAIRD	ROAD 20"	04/11/82
V1591.1.77	CAPE HORN - MATHESON	HAYES LAIRD	SAN SEWER 20"	01/06/82
V1592.1.77	CAPE HORN - MATHESON	HAYES LAIRD	STORM SEWER 20"	10/27/81
V1593.1.77	CAPE HORN - MATHESON	HAYES LAIRD	SLABS 20"	10/06/81
V1595.1.77	CAPE HORN & MATHESON	HAYES LAIRD	DITCH 20"	04/11/82
V1596.1.77	CAPE HORN & MATHESON	HAYES LAIRD	WATERMAIN 20"	12/16/81
V1597.1.77	CAPE HORN & MATHESON	HAYES LAIRD	STORM SEWER 20"	12/08/81
V1598.1.77	CAPE HORN & MATHESON	HAYES LAIRD	ROAD 20"	09/30/82
V1599.1.77	CAPE HORN & MATHESON	HAYES LAIRD	150M WATERMAIN 20"	01/13/82
V1676.1.103	PASTURE CIRCLE	HAYES LAIRD	SEWER 12 MTP	
V1725.1.77	MATHEWSON AVE	HAYES LAIRD	ROADWORK 20 MTP	09/28/82
V1740.1.77	MATHEWSON AVE	HAYES LAIRD	SEWER 20"	07/12/82
V1809.1.77	AUSTIN AVE	HAYES LAIRD	STORM SEWER 20	12/10/82
V1810.1.77	AUSTIN AVE	HAYES LAIRD	ST. LIGHT 20	
V1840.1.77	AUSTIN AVE - ROAD A	HAYES LAIRD	ST. LIGHTING 20 MTP	
V1911-1-77	HICKEY ST COQUITLAN	HAYES LAIRD	ROAD IMPV'T: PVT, SIDE WLK ETC	
V1912-1-77	HICKEY ST COQUITLAN	HAYES LAIRD	STREET LIGHTING	
V1913-1-77	HICKEY ST COQUITLAN	HAYES LAIRD	STREET LIGHTING	
V1914-1-77	MATHEWSON AVE COQ	HAYES LAIRD	STREET LIGHTING	
V1915-1-77	MATHEWSON AVE COQ	HAYES LAIRD	STREET LIGHTING	
V1999-1-94	DEWDNEY TRUNK RD	HAYES LAIRD	ROAD/SIDEWALK/CURBS	03/08/84
V2000-1-94	DEWDNEY TRUNK RD	HAYES LAIRD	200MM SAN SEWER	01/16/84
V2001-1-94	203 & DEWDNEY TRUNK ROAD	HAYES LAIRD	600MM STORM SEWER	01/16/84

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V2002-1-94	203 & DEWDNEY TRUNK ROAD	HAYES LAIRD	150MM WATER MAIN	02/07/84
V2003-1-94	203 & DEWDNEY TRUNK ROAD	HAYES LAIRD	STREET LIGHTING DUCT	
V3260-1-28	22227-57A AVE.	HEATON, D	GRAVEL DRIVEWAY	
V3042-1-17	96 AVE & 209A ST.	HEINRICHS ENTERPRISES	DRIVEWAY	
V2887-1-59	8484-109 ST. DELTA	HELBERG CONSTR.	STORM SEWER	01/17/84
V2888-1-59	8484-109 ST. DELTA	HELBERG CONSTR.	WATER 24"	01/17/84
V2889-1-59	8484-109 ST. DELTA	HELBERG CONSTR.	SANITARY SEWER	01/17/84
V2890-1-59	8484-109 ST. DELTA	HELBERG CONSTR.	DRIVEWAY	01/17/84
V 295	S. LOUGHEED HIGHWAY	HICKS, WARREN	24"	
V 100-1-23	9567 - 164 ST.	HIGH LOW CONSTRUCTION	TEL. & ELEC. CABLE	04/04/73
V3261-1-5	29460 DUNCAN AVE	HIMAN, D	SANITARY 42"	04/15/86
V3262-1-5	29460 DUNCAN AVE	HIMAN, D	WATER 42"	01/05/88
V3263-1-5	29460 DUNCAN AVE	HIMAN, D	PAVED DRIVEWAY 42"	04/15/86
V3264-1-5	29460 DUNCAN AVE	HIMAN, D	DRAINAGE CULVERT 30"	04/15/86
V3265-1-5	29460 DUNCAN AVE	HIMAN, D	DRAINAGE CULVERT 42"	04/15/86
V3266-1-5	29460 DUNCAN AVE	HIMAN, D	FILL 30"	04/15/86
V3267-1-5	29460 DUNCAN AVE	HIMAN, D	FILL 42"	04/15/86
V3457	56TH ST. NORTH OF 18TH	HOGAN ENGINEERING	200MM SAN. SEWER	
V3458	56TH ST. NORTH OF 18TH	HOGAN ENGINEERING	250MM STORM SEWER	
V3459	56TH ST. NORTH OF 18TH	HOGAN ENGINEERING	150MM SAN SEWER	
V3460	56TH ST. NORTH OF 18TH	HOGAN ENGINEERING	450MM STORM SEWER	
V3461	56TH ST. NORTH OF 18TH	HOGAN ENGINEERING	150MM SAN SEWER	
V3462	56TH ST NORTH OF 18TH AVE	HOGAN ENGINEERING	250MM WATER MAIN	
V 409-1-81	W. OF WATER ST., IOCO	HOMESTEAD MOBILE HOME PARK	TELEPHONE CABLE SYSTEM	
V 294-1-57	8555 120 ST.	HOWATT ENTERPRISES (DAIRY QUEEN)	(A-F) STORM LT. STN. INST, RD SIGN INST,	
V1537	14061 - 40 AVE	HUB ENGINEERING	WATER SERV 2"	10/20/81
V3370-1-20	188 ST. S OF 96 AVE.	HUB ENGINEERING	WATER MAIN	11/18/86
V3424	152 ST. S. OF 24 AVE	HUB ENGINEERING	WATER MAIN	01/09/87
V3446-1-18	W OF 204 & S OF	HUB ENGINEERING	STORM	04/08/87
V3447-1-18	96 AVE, LANGLEY	HUB ENGINEERING	SANITARY	04/08/87
V3523-1-20	9585 HARVIE RD	HUB ENGINEERING	SANITARY SEWER	
V3565-1-60	N/S 84 AVE CONNECTOR W 108 ST	HUB ENGINEERING	MM H2O	02/16/88
V3566-1-60	N/S 84 AVE CONNECTOR W 108 ST	HUB ENGINEERING		02/16/88
V3303-1-20	18750-96 AVE.	HUMPHREY CONSTR.	SANITARY SEWER	05/01/86
V1379.1.21	180 ST & 93A AVE	HUNTER LAIRD	WATERMAIN 30"	12/19/80
V1452.1.18	W OF 206 S OF 95A AVE	HUNTER LAIRD	SEWER 30"	
V1453.1.18	W OF 206 S OF 95A AVE	HUNTER LAIRD	SEWER 30"	
V1497.1.18	206 ST & 94A AVE	HUNTER LAIRD	GRADING 30"	
V1498.1.18	206 ST & 94A AVE	HUNTER LAIRD	WATERMAIN 30"	07/09/81
V1499.1.18	206 ST & 94A AVE	HUNTER LAIRD	ACCESS RD 30"	07/09/81
V1500.1.18	206 ST & 94A AVE	HUNTER LAIRD	FILL 30"	07/09/81
V1501.1.18	206 ST & 94A AVE	HUNTER LAIRD	STORM SEWER 30"	07/02/81
V1502.1.18	206 ST & 94A AVE	HUNTER LAIRD	SAN SEWER 30"	07/02/81
V1699.1.102	CAPE HORN & MATHEWSON	HUNTER LAIRD	GRADING 20	05/11/82
V1715.1.77	CAPE HORN & MATHEWSON	HUNTER LAIRD	STORM SEWER 20"	02/22/82
V1716.1.77	CAPE HORN & MATHEWSON	HUNTER LAIRD	SAN SEWER 20"	02/22/82

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V2067-1-78	MARINER WAY, N OF AUSTIN RD COQ	HUNTER LAIRD	ROAD WORKS	
V2068-1-78	MARINER WAY, N OF AUSTIN RD COQ	HUNTER LAIRD	STORM SEWER	03/08/84
V2069-1-78	MARINER WAY, N OF AUSTIN RD COQ	HUNTER LAIRD	ST LTG PVC DUCTS	03/14/84
V2070-1-78	MARINER WAY, N. OF AUSTIN RD, COQ.	HUNTER LAIRD	DRAINAGE DITCH	
V2935-1-79	BUOY DR. COQ	HUNTER LAIRD	SEWER	07/31/84
V2974-1-104	COMO LAKE RD, E OF COQ GATE	HUNTER LAIRD	PAYEMENT	08/21/84
V2975-1-104	COMO LAKE RD, E OF COQ GATE	HUNTER LAIRD	ST LTG	08/21/84
V2976-1-104	COMO LAKE RD, E OF COQ GATE	HUNTER LAIRD	ST LTG	08/21/84
V3512-1-80	N. OF LANSOWNE COQ	HUNTER LAIRD BEL CONST	LAND GRADING OVER 20M&D	
V2915-1-24	96 AVE. E OF 156	HY ENGINEERING	SANITARY SEWER	02/10/86
V2916-1-24	96 AVE. E OF 156	HY ENGINEERING	STORM SEWER	01/29/86
V2917-1-24	96 AVE. E OF 156	HY ENGINEERING	STORM SEWER	01/29/86
V2918-1-24	96 AVE. E OF 156	HY ENGINEERING	CULVERT	01/24/86
V2919-1-24	96 AVE E OF 156 ST	HY ENGINEERING	ROAD & CURB	03/19/86
V2920-1-24	96 AVE E OF 156 ST	HY ENGINEERING	SLABS	01/17/86
V3557-1-35	79A AVE & 165A STR.	HY ENGINEERING	DITCH CROSSING	
V 214-1-82	STRATHCONA HFO PROJECT IOCO REFINERY	IMPERIAL OIL ENTERPRISES LTD.	ROAD	
V1546.1.20	95 AVE & 192 ST	INFANTI	PAVING 30"	01/19/82
V1587.1.20	95 AVE & 192 ST	INFANTI	SLABS 30"	01/19/82
V1707	152 ST & 19TH AVE	ION ENGINEERING LTD.	WATER MAIN 8"	01/14/82
V 427-1-101	AH KINGSWAY & WILSON	J.K.W. ENGINEERING FOR B.C.HYDRO	A-I	
V 428-1-101	AF KINGSWAY & 300' E. OF TYNER	J.K.W. ENGINEERING FOR B.C.HYDRO		
V 429-1-101	AE KINGSWAY 700' E. TYNER	J.K.W. ENGINEERING FOR B.C.HYDRO	A-RD. B-CURB C-S/W D-ST.SEWER E-WATER	
V1828	72 ST & AIRPORT	J.PHILLIPS CONST	U/G TP	10/27/82
V3299-1-69	76 ST & RIVER RD DELTA	J.PHILLIPS CONST	LANDSCAPING	01/06/88
V1273.1.94	D.T. & LOUGHEED	JACK CEWE	TEMP CROSSING 12"	09/11/80
V1710.1.100	1500 BLK KINGSWAY	JACK CEWE	8" BLVD 12"	
V1711.1.100	1500 BLK KINGSWAY	JACK CEWE	8" BLVD 12"	
V3168-1-87	S OF LOUGHEED HWY. E OF 225 ST	JACK CEWE	TEMP ROAD XING 12"	07/17/85
V3169-1-87	N OF HANEY BYPASS E OF 225 ST	JACK CEWE	SANITARY	07/17/85
V3170-1-87	N OF HANEY BYPASS E OF 225 ST	JACK CEWE	STORM	07/17/85
V3171-1-87	N OF HANEY BYPASS E OF 225 ST	JACK CEWE	FILL	07/17/85
V1674.1.30	20353 66 AVE	JANZEN, B	ROADWORK	
V2983-1-30	20353 - 66 AVE.	JANZEN, B	FILL	
V 777-1-2	E. OF GLADWIN, S. OF KING	JANZEN, WALTER	ROAD CONSTRUCTION	10/12/78
V 786-1-2	E. OF GLADWIN, S. OF KING	JANZEN, WALTER	ROAD CONSTRUCTION	10/12/78
V 873-1-2	145B GLADWIN	JANZEN, WALTER	XING 30" 4" PLASTIC IRRIGATION PIPE	
V 874-1-2	145B GLADWIN	JANZEN, WALTER	XING 42"	

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V 875-1-3	32870 KING ROAD	JANZEN, WALTER	XING 30"-4" PL. IRR. PIPE	
V 876-1-3	32870 KING ROAD	JANZEN, WALTER	XING 42"	
V 877-1-3	32870 KING ROAD	JANZEN, WALTER	XING 30"-1" PL WTR. SERV.	
V 878-1-3	32870 KING ROAD	JANZEN, WALTER	XING 42"	
V3017-1-2	1458 GLADWIN RD.	JANZEN, WALTER	4" PLASTIC WATERLINE	03/26/87
V3018-1-2	1458 GLADWIN RD.	JANZEN, WALTER	4" PLASTIC WATERLINE	03/26/87
V3019-1-2	1458 GLADWIN RD.	JANZEN, WALTER	4" PLASTIC WATERLINE	03/26/87
V3020-1-2	1458 GLADWIN RD.	JANZEN, WALTER	4" PLASTIC WATERLINE	03/26/87
V1830	64 AVE & 152 ST	JET-CON ENGINEERING	SEWER TP	11/24/82
V1831	64 AVE & MYLAND	JET-CON ENGINEERING	SEWER TP	11/24/82
V3126	40TH AVE & K6 HWY	JET-CON ENGINEERING	FORCEMAIN	05/10/85
V3127	40TH AVE & K6 HWY	JET-CON ENGINEERING	FORCEMAIN	05/14/85
V3128	44TH AVE & K G H	JET-CON ENGINEERING	FORCEMAIN	05/14/85
V3567-1-48	14071-109 AVE SURREY	JET-CON ENGINEERING	4" STORM SERVICE	
V 29-1-88	22730 - 119 AVE	JORDHEIM, C A	DOMESTIC WATER LINE	
V 30-1-88	22730 - 119 AVE	JORDHEIM, C A	GRAVELLING OF PARKING AREA	
V 181-1-8	246 ST. N. OF 50 AVE	JUSTICE, CHICALO & AUSTIN	A) ROAD	
V 181-1-8	246 ST. N. OF 50 AVE	JUSTICE, CHICALO & AUSTIN	B) CULVERT	
V3572-1-8	24509 - 50 AVE	KABATOW, S	O/H ELEC 42"	04/08/88
V3573-1-8	24509 - 50 AVE	KABATOW, S	O/H ELEC 30"	
V3449-1-43	12985-99 AVE	KARLEEN, K	DRAINAGE	
V1153.1.2	VYE R. E OF RIVERSIDE	KER PRIESTMAN	300 MM WATER MAIN XING	11/26/80
V1154.1.2	VYE R. E OF RIVERSIDE	KER PRIESTMAN	300 MM WATER 42" MTP	11/26/80
V1357.1.2	VYE R E OF RIVERSIDE	KER PRIESTMAN	WATER 30"	11/26/80
V1358.1.2	VYE R E OF RIVERSIDE	KER PRIESTMAN	WATER 42"	11/26/80
V1425.1.1	WHATCOM RD. N OF IN BDY	KER PRIESTMAN	WATER MAIN XING 30"	04/07/82
V1426.1.1	WHATCOM RD. N OF IN BDY	KER PRIESTMAN	WATER MAIN XING 42"	04/07/82
V1427.1.1	ANGUS CAMPBELL RD.	KER PRIESTMAN	WATER MAIN 30"	06/04/81
V1428.1.1	ANGUS CAMPBELL RD.	KER PRIESTMAN	WATER MAIN 42"	06/04/81
V1429.1.2	MCKENZIE RD.	KER PRIESTMAN	WATER MAIN 30"	07/16/82
V1430.1.2	VYE RD	KER PRIESTMAN	WATER MAIN 42"	07/16/82
V1431.1.2	MCCALLUM RD.	KER PRIESTMAN	WATER MAIN 30"	03/08/84
V1432.2.2	MCCALLUM RD.	KER PRIESTMAN	WATER MAIN 42"	
V1490	119 AVE & 227 ST	KER PRIESTMAN	WATERMAIN 12"	
V 65 (A)	N. OF 152 ST. & S. OF 88 AVE L/S 86 AVE - SURREY	KHAN CUBITT ENG	FORCE MAIN	01/ /73
V 65 (B)	N. OF 152 ST. & S. OF 88 AVE L/S 86 AVE - SURREY	KHAN CUBITT ENG	GRAVITY MAIN	01/ /73
V 274-1-56	1218 ST. S. OF 86 AVE.	KHAN CUBITT ENG	10" SANITARY SEWER	09/09/75
V 162-1-46	KING RD. E. OF MCBRIDE	KHAN CUBITT ENG.	8" SANITARY SEWER	04/10/74
V3580	GLADWIN & CAPILANO BTW OLD RIVERSIDE	KHANGURA ENGINEERING	WATER MAIN	04/08/88
V 912-1-8	4768 - 248 ST. LANGLEY	LABISH, M O	DRIVEWAY 30"	06/26/79
V 913-1-8	4768 - 248 ST. LANGLEY	LABISH, M O	DRIVEWAY 42"	06/26/79
V 951	3338 - 272 ST. LANGLEY	LANGLEY	2" WATER SER. XING-6"TP	07/26/79
V1161	6000 BL GLOYER RD.	LANGLEY	6" WATER X 8" TR	06/08/80
V1171	272 ST. & 288 AVE	LANGLEY	STORM DRAIN OVER 6"	10/30/80

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FRASER VALLEY GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V1172	4054 208 ST.	LANGLEY	WATER SERVICE	07/03/80
V1179	5800 BLK GLOVER RD FORMAL MTH APPROVAL NOT REQ	LANGLEY	6" WATER MAIN XING	07/03/80
V1308	5950 GLOVER RD.	LANGLEY	FIRE HYDRANT 8"	10/19/80
V1328	4126 208 ST	LANGLEY	WTR. SERVICE 8"	10/29/80
V1354.1.18	200 ST & 88TH AVE	LANGLEY	ROADWORK 30"	04/21/81
V1355.1.18	200 ST. & 88 AVE	LANGLEY	CURBS & GUTTERS 30"	
V1489	4346 208 ST	LANGLEY	WATER SERVICE 8"	06/13/81
V1491	4332 208 ST	LANGLEY	WATERMAIN 8"	06/13/81
V1624.1.17	213 ST S & 96 AVE	LANGLEY	ROADWORK 30"	10/22/81
V1671.1.17	208 ST & 96 AVE	LANGLEY	ROADWORK	12/15/81
V1762	GLOVER & EASTLEIGH	LANGLEY	HYDRANT	
V1792	4158 208TH ST	LANGLEY	WATER SERVICE 12 MTP	05/26/82
V1907	272 ST 32 AVE	LANGLEY	SIDEWALKS GUT	
V1908	272 ST 32 AVE	LANGLEY	SEWER	
V1956	272 ST & 43 AVE	LANGLEY	ROADWORK	08/04/83
V1957	272 ST & 43 AVE	LANGLEY	CONCRETE CULVERT	08/04/83
V1958	272 ST & 43 AVE	LANGLEY	CONCRETE CULVERT	04/05/82
V1959	272 ST & 43 AVE	LANGLEY	ROADWORK	08/04/83
V1960	272 ST & 43 AVE	LANGLEY	ROADWORK	08/04/83
V1998	272 ST SOUTH OF 32 AVE	LANGLEY	BRIDGE 6"	09/14/83
V2030-1-8	238TH STR. @ 58TH AVE.	LANGLEY	CONC. SLAB - ROAD CROSSING	01/13/84
V2037-1-31	N. OF 68 AVE, E OF 197B STR.	LANGLEY	STORM SEWER	10/06/83
V2038-1-31	N. OF 68 AVE, E OF 197B STR.	LANGLEY	SWALE	10/06/83
V2039	272 ST FR SWANSON DITCH TO 34 AVE	LANGLEY	STORM SEW	06/14/84
V2042	272 ST - SWANSON DITCH TO 34 AVE	LANGLEY	CURB & GUTTER	08/16/83
V2043	272 ST - SWANSON DITCH TO 34 AVE	LANGLEY	SIDEWALK	08/27/83
V2044	272 ST - SWANSON DITCH TO 34 AVE	LANGLEY	PAVING	08/27/83
V2085	208 ST & 52 AVE	LANGLEY	ROAD CONST	10/06/83
V3357	4600 BLK 208	LANGLEY	SIDEWALK & CURB	09/09/86
V3358	4600 BLK 208	LANGLEY	ELEC CONDUIT	09/03/86
V3359	4600 BLK 208	LANGLEY	PAVE RD	09/03/86
V3409-1-13	GLOVER RD & RAWLINSON	LANGLEY	12" WATER	01/04/88
V3410-1-13	GLOVER RD & RAWLINSON	LANGLEY	30" WATER	01/04/88
V3487	64TH 70TH ON 264 ST	LANGLEY	RD CONST	
V3488	264 ST & TELEGRAPH TR	LANGLEY	CULVERT	
V3489	7000 BLK - 264 ST	LANGLEY	CULVERT	
V3490	72 AVE 264 ST	LANGLEY	CULVERT	
V3491	72 AVE 264 ST	LANGLEY	CULVERT	
V3508	72 AVE. 264 ST STN 7169	LANGLEY	CULVERT	08/26/87
V3190	4730 208 S	LANGLEY DISTRICT	WATER LINE	07/31/85
V 252-1-8	S. OF 50 AVE W. OF 248A ST.	LANGLEY MUNICIPALITY	CULVERT INSTALLATION	03/15/76
V 548	272 ST. & 32 AVE	LANGLEY MUNICIPALITY	10" WATER	02/08/77

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V 651	40 AVE. & 206 A ST., LANGLEY	LANGLEY MUNICIPALITY	WATER MAIN	02/14/78
V 794-1-9	12" MTP CROSSING 56 AVE. 400'+E. OF 232 ST.	LANGLEY MUNICIPALITY	ROAD RECONSTRUCTION	
V 795-1-9	30" MTP CROSSING 56 AVE. 40' + E. OF 232 ST.	LANGLEY MUNICIPALITY	ROAD RECONSTRUCTION	
V 796-1-8A	42" MTP CROSSING 56 AVE 400' + E. OF 238 ST.	LANGLEY MUNICIPALITY	ROAD RECONSTRUCTION	
V 797-1-9	56 AVE E. OF 232 ST.	LANGLEY MUNICIPALITY	36" CULVERT	08/13/79
V 834-1-30	ON 200 ST. S. OF 68	LANGLEY MUNICIPALITY	WATER MAIN	05/11/79
V 835-1-30	203 ST. N. OF 66 AVE	LANGLEY MUNICIPALITY	WATER MAIN	03/06/79
V 889	3448 272 ST. N. OF 34 AVE. LANGLEY	LANGLEY MUNICIPALITY	WATER SERVICE-6" TP	05/09/79
V 890	3480-272 ST. LANG. D.M.	LANGLEY MUNICIPALITY	WATER SERVICE-6" TP	05/09/79
V 891	3508 - 272 ST. LANG. D.M.	LANGLEY MUNICIPALITY	WATER SERVICE-6" TP	
V 892	3520 - 272 ST. LANG. D.M.	LANGLEY MUNICIPALITY	WATER SERVICE-6" TP	05/08/79
V 893	3566 - 272 ST. LANG. D.M.	LANGLEY MUNICIPALITY	WATER SERVICE-6" TP	05/07/79
V 894	3580 - 272 ST. LANG. D.M.	LANGLEY MUNICIPALITY	WATER SERVICE-6" TP	05/07/79
V 895	3598 - 272 ST. LANG. D.M.	LANGLEY MUNICIPALITY	WATER SERVICE-6" TP	05/07/79
V3411-1-13	88 AVE & TRATTLE	LANGLEY MUNICIPALITY	12" WATER	05/11/87
V3412-1-13	88 AVE & TRATTLE	LANGLEY MUNICIPALITY	30" WATER	05/11/87
V3590-1-10	64 AVE E OF 232 ST	LANGLEY MUNICIPALITY	STORM SEWER 30"	
V3591-1-10	64 AVE E OF 232 ST	LANGLEY MUNICIPALITY	STORM SEWER 12"	
V3616-1-11	72 AVE E OF 232 ST	LANGLEY MUNICIPALITY	WATER 12"	
V3617-1-11	72 AVE E OF 232 ST	LANGLEY MUNICIPALITY	WATER 30"	
V 654-1-18	204 ST. S. OF 96 AVE, LANG.	LANGLEY MUNICIPALITY (W C & T)	TRUNK SEWER	07/24/78
V 655-1-30	203 ST. N. OF 66 AVE., LANG	LANGLEY MUNICIPALITY (W C & T)	TRUNK SEWER	06/23/78
V 830-1-30	66 E. OF 200 ST. 200 ST. & 66 AVE.	LANGLEY MUNICIPALITY C/O W C & T	WATER MAIN	03/15/79
V 386-1-19	200 ST. S. OF 96	LANGLEY MUNICIPALITY C/O W.C. & T.	WATER MAIN	01/19/
V 927-1-7	256 ST. N. OF 44 AVE. LANG	LANGLEY SCHOOL DIST #35	FILL OVER R/W - 30"	07/27/79
V 928-1-7	256 ST. N. OF 44 AVE. LANG	LANGLEY SCHOOL DIST #35	FILL OVER R/W - 42"	07/27/79
V1933-1-7	256 ST & ROBERTSON CR LANGLEY	LANGLEY SCHOOL DIST #35	FILL OVER 30"	02/28/83
V1934-1-7	256 ST & ROBERTSON CR LANGLEY	LANGLEY SCHOOL DIST #35	FILL OVER 42"	02/28/83
V2963-1-7	4452 - 256 ST LANG	LANGLEY SCHOOL DIST #35	PLAYING FIELD DRAINAGE 4" PVC & BIG O	08/10/84
V2964-1-7		LANGLEY SCHOOL DIST #35	PLAYING FIELD DRAINAGE 4" PVC & BIG O	08/10/84
V 933-1-18	204 ST @ 9500 BL.	LANGLEY TOWNSHIP WILLIS, CUNLIFFE	300 MM STORM SEWER-30"	08/21/79
V 934-1-18	204 ST @ 9500 BL.	LANGLEY TOWNSHIP WILLIS, CUNLIFFE	200MM WTR MAIN - 30" (585)	
V 948-1-18	204 ST. S OF 96 AVENUE (SEE V933 AND V934)	LANGLEY TOWNSHIP WILLIS, CUNLIFFE		
V 210	208 ST., DOUGLAS TO FRASER HWY	LANGLEY, CITY OF	D) STORM SEWER	
V 210	208 ST., DOUGLAS TO FRASER HWY	LANGLEY, CITY OF	A) ROAD	09/23/74
V 210	208 ST., DOUGLAS TO FRASER HWY	LANGLEY, CITY OF	C) SIDEWALK	

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V 210	208 ST., DOUGLAS TO FRASER HWY	LANGLEY, CITY OF	B) CURBS	
V 478	EASTLEIGH CRESCENT	LANGLEY, CITY OF		06/22/77
V 479	56 AVENUE	LANGLEY, CITY OF	STORM SEWER SYSTEM	07/13/77
V 480	EASTMENT S. OF 56 AVENUE	LANGLEY, CITY OF	CROSSING 8" 275 TRUNK	
V 481	LANE S. OF FRASER HIGHWAY	LANGLEY, CITY OF		08/24/77
V 482	100' N. OF NICOKEKL	LANGLEY, CITY OF		07/18/77
V 528	EASTLEIGH CRESCENT	LANGLEY, CITY OF	ROAD	11/17/77
V 529	EASTLEIGH CRESCENT	LANGLEY, CITY OF	CURB	
V 549	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	STN 2 & 88	09/16/77
V 550	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	STN 4 & 60	09/16/77
V 551	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	STN 5 & 45	09/16/77
V 552	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	CATCH BASIN LEADS STN 8 & 25	09/16/77
V 553	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	STN 8 & 78	09/16/77
V 554	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	STN 9 & 42	09/16/77
V 555	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	STN 10 & 100	09/16/77
V 556	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	STN 10 & 20	09/16/77
V 557	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	11 & 55	09/16/77
V 558	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	12 & 75	09/16/77
V 559	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF		09/16/77
V 560	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF		09/19/77
V 573	EASTLEIGH CRES. 585' EAST OF GLOVER ROAD	LANGLEY, CITY OF	SANITARY SEWER	09/22/77
V 574	EASTLEIGH CR. 663' E. OF GLOVER ROAD	LANGLEY, CITY OF	STREET LIGHTING CONDUIT	09/22/77
V 595	208 ST. S. OF DOUGLAS CR.	LANGLEY, CITY OF	STREET LIGHTING CONDUITS	10/06/77
V 596	208 ST. S. OF DOUGLAS CR.	LANGLEY, CITY OF	STREET LIGHTING CONDUITS	10/06/77
V 597	208 ST. S. OF DOUGLAS CR.	LANGLEY, CITY OF	STREET LIGHTING CONDUITS	10/06/77
V 600	5300 BLK. 208 ST	LANGLEY, CITY OF	STORM SEWER	11/17/77
V 626	208 ST. & 56 AVE. LANGLEY	LANGLEY, CITY OF	8" WATER (CANCELLED - NOT REQUIRED)	
V 627	208 ST. & 56 AVE. LANGLEY	LANGLEY, CITY OF	24" STORM SEWER	04/18/78
V 647	208 ST. & 56 AVE. LANGLEY	LANGLEY, CITY OF	STORM SEWER	04/19/78
V 670	56 AVE & 208 ST	LANGLEY, CITY OF	ROAD CONSTRUCTION	09/29/78
V 692	GLOVER & EASTLEIGH CR.	LANGLEY, CITY OF	STORM SEWER	06/08/78
V 704	LOT 49 EASTLEIGH CR. & 56 AVE	LANGLEY, CITY OF	SANITARY SEWER SERVICE	06/19/78

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V 715	56 AVE. W. OF 208 ST.	LANGLEY, CITY OF	8" STORM SEWER	
V 750	ON 56 AVE FROM EASTLEIGH CR. TO EAST OF 208 STREET	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	08/16/78
V 751	ON 56 AVE FROM EASTLEIGH CR. TO EAST OF 208 STREET	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	08/16/78
V 752	ON 56 AVE FROM EASTLEIGH CR. TO EAST OF 208 STREET	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	08/16/78
V 753	ON 56 AVE FROM EASTLEIGH CR. TO EAST OF 208 STREET	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	08/16/78
V 754	ON 56 AVE FROM EASTLEIGH CR. TO EAST OF 208 STREET	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	08/16/78
V 755	ON 208 ST. FROM FRASER HWAY N. TO 56 AVE.	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	09/09/78
V 756	ON 208 ST. FROM FRASER HWAY N. TO 56 AVE.	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	09/09/78
V 757	ON 208 ST. FROM FRASER HWAY N. TO 56 AVE.	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	09/09/78
V 758	ON 208 ST. FROM FRASER HWAY N. TO 56 AVE.	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	09/09/78
V 888	208TH ST 50A & 51 AVE	LANGLEY, CITY OF	ROAD WORK	
V1023-719-B-2	48 AVENUE & 208 STREET	LANGLEY, CITY OF	STREET LIGHT DUCTS	10/05/79
V1024-719-B-2	48 AVENUE & 208 STREET	LANGLEY, CITY OF	STREET LIGHT DUCTS	10/03/79
V3199	51B AVE & 208 ST.	LANGLEY, CITY OF	WATER MAIN	03/26/87
V3307	5950 GLOVER RD	LANGLEY, CITY OF	WATER SERVICE	06/03/86
V3308	208 ST @ GRADE CRS	LANGLEY, CITY OF	ROADWORK	09/30/86
V3362	4600 BLK 2085	LANGLEY, CITY OF	STREET LIGHTING	09/03/86
V 848	56 AVE & 208 ST., LANGLEY	LANGLEY, CITY OF C/O AESL	SANITARY SEWER	04/07/78
V 569	208 STREET SOUTH OF 48 AVE.	LANGLEY, CITY OF C/O THOMSON, STREIT	STORM SEWER	10/25/77
V 570	208 STREET NORTH OF GRADE CR.	LANGLEY, CITY OF C/O THOMSON, STREIT	STREET LIGHTING CONDUIT	
V 216-1-28 29	216 ST. N. OF 56 AVE	LANGLEY, CORP OF	ROAD RECONSTRUCTION	10/15/74
V 257	272 ST. & 64 AVE	LANGLEY, CORP OF	EFFLUENT PIPELINE	07/06/
V 258-1-7	272 ST. N. OF 40 AVE	LANGLEY, CORP OF	EFFLUENT PIPELINE	08/25/
V 447	272 ST. @ L/W FRASER HWY	LANGLEY, CORP OF	6" WATER	03/09/77
V 563-1-14	88 AVE BETWEEN GAY & TRATTLE	LANGLEY, CORP OF	WATER MAIN XING 12" T/L	
V 564-1-4	88 AVE. BETWEEN GAY AND TRATTLE	LANGLEY, CORP OF	WATER MAIN CROSSING 30" T/L	12/01/77
V 565-1-15	WRIGHT STREET NORTH OF ST. ANDREWS	LANGLEY, CORP OF	WATER MAIN	11/28/77
V 566	96 AVE. BETWEEN TRATTLE AND MARR	LANGLEY, CORP OF	WATER MAIN	12/05/77
V 567	TRATTLE STREET SOUTH OF SAILES	LANGLEY, CORP OF	WATER MAIN	12/05/77
V 571-1-18	200 STREET SOUTH OF 96 AVE.	LANGLEY, CORP OF	STORM SEWER	11/10/77
V 737	3232 - 272 ST.	LANGLEY, CORP OF	SANITARY SEWER	07/10/78
V 738	3280 - 272 ST.	LANGLEY, CORP OF	SANITARY SEWER	07/10/78
V 739	3300 272 ST.	LANGLEY, CORP OF	SANITARY SEWER	07/10/78

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V 840-1-7	272 ST. N. OF 40 AVE	LANGLEY, CORP OF	ROAD RECONSTRUCTION 30"	03/07/79
V 841-1-7	272 ST. N. OF 40 AVE	LANGLEY, CORP OF	ROAD RECONSTRUCTION 42"	03/07/79
V 842-1-7	272 ST. N. OF 40 AVE	LANGLEY, CORP OF	ROAD RECONSTRUCTION OVER 4" TRUNK	03/07/79
V2903-1-30	203 ST, N OF 66 AVE	LANGLEY, CORP OF	ROAD RECONSTRUCTION	03/26/87
V2973-1-17	210 ST, S OF 95A AVE	LANGLEY, CORP OF	CULVERT EXT	
V3007	40TH AVE & 204 ST.	LANGLEY, CORP OF	SERVICE XING	10/24/84
V3082	40TH AVE & 207 ST.	LANGLEY, CORP OF	SERVICE CONNECTION	03/21/85
V3192	208 ST @ 46 AVE	LANGLEY, CORP OF	STORM DRAIN	
V3193	208 ST 44 AVE TO 46	LANGLEY, CORP OF	SIDEWALK	10/09/85
V3194	44 AVE TO 48 AVE	LANGLEY, CORP OF	ROADWORK	10/09/85
V3209	2746-272 ST	LANGLEY, CORP OF	WATER CONNECTION	10/28/85
V3212-1-30	66 AVE AT 203	LANGLEY, CORP OF	STORM SEWER	06/10/85
V3213-1-30	66 AVE AT 203	LANGLEY, CORP OF	SIDEWALK	06/10/85
V3214-1-33	203 ST AT 66 AVE	LANGLEY, CORP OF	STORM SEWER	06/10/85
V3215-1-33	203 ST AT 66 AVE	LANGLEY, CORP OF	SIDEWALK	06/10/85
V 332	272 ST. & BERTRAND CR.	LANGLEY, CORP OF (WILLIS, CUNLIFFE)	TRUNK SEWER	
V 932	200 ST. S OF 96 AVE. LANG.	LANGLEY, CORP OF (WILLIS, CUNLIFFE)	SEWER OVER 30" MTP LINE	07/20/79
V3630	264 ST 72 AVE - 80 AVE LANGLEY	LANGLEY, TOWNSHIP OF	ROADWORK	
V 886-1-65	VANTAGE WAY - 7691 DELTA	LANSLOWNE EQUIPMENT	DRIVEWAY - 24" TRANS	07/11/79
V3240-1-82	1995 BEDWELL BAY RD.	LEE, D	DRIVEWAY	01/28/86
V3465-1-39A	14608-87A AVE.	LEFEBURE, A	FILL & RETAINING WALL	
V 256-1-41	132 ST. & 88 AVENUE	LETSON & BURPEE	STRIPPING OPERATION	05/29/
V 279-1-41	132 ST. & 88 AVE	LETSON & BURPEE	DRIVEWAY, PARKING LOT, CONCRETE PADS	09/18/76
V 261-1-41	S. OF 88 - W. OF 132 ST.	LETSON & BURPEE (DOM. CONST.)	WATER & SANITARY SEWER	
V 269-1-88	22725 SELKIRK	LEWIS CONSTRUCTION LTD	CULVERT EXT. (FORMAL APPLIC TO DOTC NOT	
V 130-1-12 13	RAWLISON E. OF GLOVER	LYNCH, R A	DRAINAGE DITCH	08/02/73
V2977-1-12	EAST OF GLOVER RD N OF RAWLISON	LYNCH, R A	4 - 100MM BIG "O"	08/13/84
V2986-1-12	E OF GLOVER, N OF RAWLINSON	LYNCH, R A	4 - 100MM BIG "O"	08/13/84
V 415	EASTLEIGH N. OF 56	M & W VENTURES	HYDRO/TEL DUCT	12/09/76
V1182	GLOVER RD @ MUFFORD	M OF H	2" RPVC CONDUIT	07/08/80
V3008	#99A K.G. HWY W. 126A ST.	M.T. HWYS	MAIN EXTENTION	
V3009	#1A FRASER HWY	M.T. HWYS	MAIN EXTENTION	
V3438-1-19	9463-193A ST.	MAC CHAIN CO. LTD.	PAVING	06/08/87
V1817.1.82	S. OF BNR, SWENSON GATE	MACLEOD, GEORGE	TEMP ROAD	06/09/82
V1020-1-100	1651 KINGSWAY PT COQUITLAN	MACRO DIVISION OF KENAMETAL	36" CULVERT 12" MTP	
V1194.1.100	KINGSWAY BET BROADWAY & LARSEN	MACRO DIVISION OF KENAMETAL	2" WATER LINE	09/03/80
V 105-1-84	MCDONALD CEDAR PRODUCTS LTD. FORT LANGLEY	MACWHINNEY BROS. SPRINKLERS	8" D.I. WATER	05/07/73
V 292-1-64 65	W. & S. FROM TASKER ROAD	MANNING, L	TEMPORARY RD. CROSSINGS	
V1117.1.87	RIVER RD. 200M E BURNETT	MAPLE RIDGE	300 MM WATER MAIN	05/21/80
V1270.1.88	119 AVE E OF 227 ST	MAPLE RIDGE	WATER MAIN 12"	10/17/80

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FRASER VALLEY GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V1298	RIVER RD & MCKAY	MAPLE RIDGE	WATER MAIN 6"	09/30/81
V1407	236 ST. & RIVER RD.	MAPLE RIDGE	WATERMAIN 11/4"	05/12/81
V1450	100 AVE & 256 ST.	MAPLE RIDGE	CULVERT 6"	07/10/81
V1614	100 AVE. WEST OF 272	MAPLE RIDGE	STORM SEWER 6"	11/10/81
V1615	100 AVE. WEST OF 272	MAPLE RIDGE	STORM SEWER 6"	11/10/81
V1616	100 AVE. WEST OF 272	MAPLE RIDGE	STORM SEWER 6"	11/10/81
V1617	100 AVE. WEST OF 272	MAPLE RIDGE	STORM SEWER 6"	11/10/81
V1618	100 AVE. WEST OF 272	MAPLE RIDGE	STORM SEWER 6"	10/26/81
V1620	100 AVE W OF 272	MAPLE RIDGE	ROADWORK 6"	12/29/81
V1622	100 AVE W OF 272	MAPLE RIDGE	ROADWORK 6"	12/29/81
V1628	DT E OF GARIBALDI	MAPLE RIDGE	CULVERT 4"	12/07/81
V1695-1.91	21779 D. T.	MAPLE RIDGE		01/18/82
V1897	INDUSTRIAL & 102 AVE	MAPLE RIDGE	CULVERT	
V1917	98 AVE 264 ST	MAPLE RIDGE	CULVERT	
V1918	100 AVE 264 ST	MAPLE RIDGE	CULVERT	
V1938	9876 264 ST	MAPLE RIDGE	STORM SEWER	
V1939	9842 264 ST	MAPLE RIDGE	STORM SEWER	
V1972	LOUGHEED & 240 ST	MAPLE RIDGE	WATERMAINS	03/26/84
V1973	LOUGHEED & 240 ST	MAPLE RIDGE	WATERMAINS	03/26/84
V2891-1-89	12200 BLK. 224 ST.	MAPLE RIDGE	SANITARY SEWER	01/17/84
V2892-1-87	BURNETT N. OF HANEY BY-PASS	MAPLE RIDGE	WATER 12"	12/16/85
V3064-1-90	YORK ST. W OF DEWDNEY TR.	MAPLE RIDGE	STORM SEWER	09/29/85
V 116-1-92 93	LAITY ST. N. OF D.T. ROAD	MAPLE RIDGE DISTRICT	WATER MAIN	07/04/73
V 695	MCKAY & FISHERMAN	MAPLE RIDGE DISTRICT	8" D.I. WATER MAIN/4" TR. P.	09/26/78
V 696	MCKAY & FISHERMAN	MAPLE RIDGE DISTRICT	8" D.I. WATER MAIN/6" TR. P.	08/30/78
V 697	MCKAY E. OF FISHERMAN	MAPLE RIDGE DISTRICT	8" D.I. WATER MAIN/HYDRANT	09/28/78
V 698	MCKAY AT RIVER RD.	MAPLE RIDGE DISTRICT	14" D.I. WATER	09/25/78
V 805	23352 MCKAY	MAPLE RIDGE DISTRICT	3/4" WATER SERVICE CROSSINGS	
V 806	23370 MCKAY	MAPLE RIDGE DISTRICT	3/4" WATER SERVICE CROSSINGS	
V 807	23370 MCKAY	MAPLE RIDGE DISTRICT	6" WATER SERV/FIRE CONNECTOR	
V 808	RIVER N. OF MCKAY	MAPLE RIDGE DISTRICT	6" WATER SERV/FIRE CONNECTOR	
V3047-1-94	E OF 203, N OF DEWDNEY TRUNK	MAPLE RIDGE DISTRICT	DITCH	01/29/85
V3074	ROTHSAY ST.	MAPLE RIDGE DISTRICT	ROADWORK	05/07/85
V3075	ROTHSAY ST TO GARIBALDI ST	MAPLE RIDGE DISTRICT	ROADWORK	05/07/85
V3116	236 ST @ RIVER RD	MAPLE RIDGE DISTRICT	SANITARY SEWER	04/15/86
V3117	MCKAY AVE S OF RIVER RD	MAPLE RIDGE DISTRICT	SANITARY SEWER	07/20/85
V3118	FISHERMAN RD @ MCKAY	MAPLE RIDGE DISTRICT	SANITARY SEWER	06/06/85
V3119	RIVER RD W OF MCKAY	MAPLE RIDGE DISTRICT	SANITARY SEWER	06/03/85
V3120	RIVER RD @ MCKAY	MAPLE RIDGE DISTRICT	SANITARY SEWER	09/24/85
V3121	FISHERMANS RD (LATERALS)	MAPLE RIDGE DISTRICT	SANITARY SEWER	08/21/85
V3122	MCKAY AVE (LATERALS)	MAPLE RIDGE DISTRICT	SANITARY SEWER	09/21/85
V3123	MCKAY @ ALBION STN	MAPLE RIDGE DISTRICT	SANITARY SEWER	07/12/85
V3124	236TH ST (LATERALS)	MAPLE RIDGE DISTRICT	SANITARY SEWER	04/15/86
V3125-1-85	MCKAY AT ALBION STN	MAPLE RIDGE DISTRICT	SANITARY SEWER	07/13/85
V3142-1-85	FISHERMAN RD, E OF MCKAY	MAPLE RIDGE DISTRICT	DRAINAGE CULVERT	03/03/86
V3225	103 AVE E OF 260 ST	MAPLE RIDGE DISTRICT	ROADWORK	11/13/85
V3226	103 AVE E OF 260 ST	MAPLE RIDGE DISTRICT	CONCRETE CULVERT	11/07/85

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V3268	RIVER RD - TAMARACH LN TO 240	MAPLE RIDGE DISTRICT	ROADWORK	06/ /86
V3269-1-85	MCKAY ROAD	MAPLE RIDGE DISTRICT	ROADWORK 12"	06/ /86
V3284-1-88	LOUGHEED HWY E OF 227 ST.	MAPLE RIDGE DISTRICT	300MM WATERMAIN	08/14/86
V3309	NEC 100 AVE & 248 ST.	MAPLE RIDGE DISTRICT	CULVERT XING	09/24/86
V3310	NEC 100 AVE & 248 ST.	MAPLE RIDGE DISTRICT	CULVERT XING.	09/24/86
V3311	NEC 100 AVE & 248 ST.	MAPLE RIDGE DISTRICT	CULVERT XING.	09/24/86
V3312	NEC 100 AVE & 248 ST.	MAPLE RIDGE DISTRICT	CULVERT XING.	09/24/86
V3313	NEC 100 AVE & 248 ST.	MAPLE RIDGE DISTRICT	CULVERT XING.	09/24/86
V3314	NEC 100 AVE & 248 ST.	MAPLE RIDGE DISTRICT	CULVERT XING.	09/24/86
V3315	NEC 100 AVE & 248 ST.	MAPLE RIDGE DISTRICT	CULVERT XING.	09/24/86
V3316	100 AVE 248 ST TO 256 ST.	MAPLE RIDGE DISTRICT	ROADWORK	09/24/86
V3317	100 AVE 248 ST TO 256 ST.	MAPLE RIDGE DISTRICT	SERVICE XINGS	09/24/86
V3393	268 ST BTWN 98TH & 100TH	MAPLE RIDGE DISTRICT	STORM SEWER	
V3396	268 ST 98 AVE 100 AVE	MAPLE RIDGE DISTRICT		04/10/87
V3397	268 ST 98 AVE 100 AVE	MAPLE RIDGE DISTRICT		04/10/87
V3398	268 ST 98 AVE 100 AVE	MAPLE RIDGE DISTRICT		04/10/87
V3407-1-90	221 ST. W OF DEWDNEY TR.	MAPLE RIDGE DISTRICT	150MMO WATER	06/25/87
V3429	268 ST. BTWN 98 & 100 AVE	MAPLE RIDGE DISTRICT	STORM SEWER & RD WORK X REFER V3393,96,9	04/10/87
V3430	268 ST. BTWN 98 & 100 AVE	MAPLE RIDGE DISTRICT	STORM SEWER & RD WORK X REFER V3393,96,9	
V3452	240 ST & RIVER RD	MAPLE RIDGE DISTRICT	WATERMAIN XING	07/14/87
V3586	100 AVE 256 ST TO 262 ST M.R.	MAPLE RIDGE DISTRICT	ROADWORK	06/21/88
V3587	100 AVE 256 ST TO 262 ST M.R.	MAPLE RIDGE DISTRICT	CULVERT STA. 9100	
V3588	100 AVE 256 ST TO 262 ST M.R.	MAPLE RIDGE DISTRICT	CULVERT STA. 1103	
V3589	MCKAY AVE (OPPOSITE ALBION COMPOUND) MR	MAPLE RIDGE DISTRICT	500MM CULVERT X-ING	
V2939-1-88	22730 - 119 ST. W RDG.	MAPLE RIDGE LANES	PAVED PARKING LOT	06/11/84
V 15-1-88	SELKIRK E. OF 227 ST.	MAPLE RIDGE MUNICIPALITY	SEWER	03/26/71
V 23	240 ST. AT 102 AVE	MAPLE RIDGE MUNICIPALITY	6" D.I. WATER MAIN	
V 32-1-88	119 AVE. E. OF 227 ST.	MAPLE RIDGE MUNICIPALITY	6" SANITARY SEWER	09/17/
V 45-1-89 90	224 ST. S. OF 124 AVE	MAPLE RIDGE MUNICIPALITY	STORM DRAIN	12/03/71
V 143-1-91	220 ST. W. OF D.T. ROAD	MAPLE RIDGE MUNICIPALITY	STORM SEWER, CURB & GUTTER	11/05/73
V 169-1-89	220 ST. S. OF 122 AVE	MAPLE RIDGE MUNICIPALITY	B) CURBS	
V 169-1-89	220 ST. S. OF 122 AVE	MAPLE RIDGE MUNICIPALITY	A) STORM	
V 169-1-89	220 ST. S. OF 122 AVE	MAPLE RIDGE MUNICIPALITY	C) SIDEWALK	
V 169-1-89	220 ST. S. OF 122 AVE	MAPLE RIDGE MUNICIPALITY	D) ROAD	03/19/74
V 188-1-93	210 ST. W. OF WICKLUND	MAPLE RIDGE MUNICIPALITY	B) CURBS	
V 188-1-93	210 ST. W. OF WICKLUND	MAPLE RIDGE MUNICIPALITY	F) 8" WATER MAIN	
V 188-1-93	210 ST. W. OF WICKLUND	MAPLE RIDGE MUNICIPALITY	D) SEWERS	07/19/74
V 188-1-93	210 ST. W. OF WICKLUND	MAPLE RIDGE MUNICIPALITY	A) ROAD	
V 188-1-93	210 ST. W. OF WICKLUND	MAPLE RIDGE MUNICIPALITY	E) 10" SANITARY	07/11/74
V 188-1-93	210 ST. W. OF WICKLUND	MAPLE RIDGE MUNICIPALITY	C) SIDEWALK	
V 585-1-85	MCKAY EAST OF FISHERMAN	MAPLE RIDGE MUNICIPALITY	8" WATER MAIN	08/30/78
V3367	256 ST S. OF. 98 AVE M.R.	MAPLE RIDGE MUNICIPALITY	CULVERT CROSSING	09/11/86
V3368	256 ST S. OF. 98 AVE M.R.	MAPLE RIDGE MUNICIPALITY	ROADWORK	09/24/86
V3521-1-92	GLENWOOD SCHOOL N RIDGE	MAPLE RIDGE SCHOOL DIST #42	PARKING LOT, GRAVEL	

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V 71-1-89	CNE SUBDIV., ERIC LANGTON SCHOOL W. OF 227 ST.	MAPLE RIDGE, CORP OF	6" SANITARY SEWER	10/10/72
V 157-1-85	RIVER & MCKAY	MAPLE RIDGE, CORP OF	12" STORM CULVERT	
V 186-1-93 94	208 ST. W. OF D.T. ROAD	MAPLE RIDGE, CORP OF	8" SANITARY	09/25/74
V 620-1-88	SELKIRK & 227 ST.	MAPLE RIDGE, CORP OF	21" STORM SEWER	01/27/76
V 700	MCKAY E. OF FISHERMAN	MAPLE RIDGE, CORP OF	HYDRANT	10/02/78
V 701	MCKAY E. OF FISHERMAN	MAPLE RIDGE, CORP OF	WATER SERVICE XINGS	10/10/78
V2908	DEWDNEY TRUNK W OF 272 ST.	MAPLE RIDGE, CORP OF	STORM SEWER	03/21/84
V3150	RIVER RD	MAPLE RIDGE, CORP OF	STORM DRAINS	04/15/86
V3151	23552 RIVER RD (L-805)	MAPLE RIDGE, CORP OF	STORM DRAINS	06/03/85
V3152	240TH ST & RIVER RD	MAPLE RIDGE, CORP OF	STORM DRAINS	04/15/86
V3153	23398 FISHERMANS RD	MAPLE RIDGE, CORP OF	STORM DRAINS	02/28/86
V1012-1-86	RIVER RD & KANAKA CREEK	MAPLE RIDGE, CORP OF - DAYTON AND KNIGHT	SEWER XING 12" MTP 1350 MM	09/22/79
V1013-1-86	RIVER RD AND KANAKA CREEK	MAPLE RIDGE, CORP OF - DAYTON AND KNIGHT	ACCESS ROAD 12" MTP	09/22/79
V3485-1-89	12138 EDGE ST. MAPLE RIDGE	MAPLE RIDGE-PITT MEADOWS SCHOOL DISTRICT	LOT GRADING	07/29/87
V3629-1-89	12139 EDGE ST NR	MAPLE RIDGE-PITT MEADOWS SCHOOL DISTRICT	BROAD JUMP PIT	06/06/88
V 640-1-76	LEEDER AVE	MARATHON REAL. C/O AESL	24" STORM SEWER	01/26/78
V 641-1-76	LEEDER AVE. EXT.	MARATHON REAL. C/O AESL	8" WATER	02/21/78
V 642-1-76	LEEDER AVE. EXT.	MARATHON REAL. C/O AESL	STREET LIGHTING	
V 643-1-76	LEEDER AVE. EXT.	MARATHON REAL. C/O AESL	CURBS	
V 644-1-76	LEEDER AVE. EXT.	MARATHON REAL. C/O AESL	ROAD	
V 645-1-76	LEEDER AVE. EXT.	MARATHON REAL. C/O AESL	SIDEWALKS	
V 646-1-76	LEEDER AVE. EXT.	MARATHON REAL. C/O AESL	RAMP CROSSING	
V 823-1-76	MAYFAIR INDUSTRIAL PARK BRAID & LEEDER	MARATHON REAL. C/O JECKWAY LANDSCAPING	42" IRRIGATION CROSSINGS-PVC	03/30/79
V 824-1-76	MAYFAIR INDUSTRIAL PARK BRAID & LEEDER	MARATHON REAL. C/O JECKWAY LANDSCAPING	42" IRRIGATION CROSSINGS-PVC	03/30/79
V 825-1-76	MAYFAIR INDUSTRIAL PARK BRAID & LEEDER	MARATHON REAL. C/O JECKWAY LANDSCAPING		03/30/79
V 826-1-76	MAYFAIR INDUSTRIAL PARK BRAID & LEEDER	MARATHON REAL. C/O JECKWAY LANDSCAPING		03/30/79
V 606-1-76	MAYFAIR IND. PARK, BRAID ST.	MARATHON REAL. DWGS BY AESL	ROAD	
V 607-1-76	MAYFAIR IND. PARK, BRAID ST.	MARATHON REAL. DWGS BY AESL	CONCRETE CURBS	
V 608-1-76	MAYFAIR IND. PARK, BRAID ST.	MARATHON REAL. DWGS BY AESL	CONCRETE SIDEWALK	
V 609-1-76	MAYFAIR IND. PARK, BRAID ST.	MARATHON REAL. DWGS BY AESL	24" STORM SEWER (CONCRETE)	01/12/78
V 610-1-76	MAYFAIR IND. PARK, BRAID ST.	MARATHON REAL. DWGS BY AESL	18" SANITARY SEWER (AC)	12/14/77
V 611-1-76	MAYFAIR IND. PARK, BRAID ST.	MARATHON REAL. DWGS BY AESL	24" WATER (STEEL)	02/27/78
V 612-1-76	MAYFAIR IND. PARK, BRAID ST.	MARATHON REAL. DWGS BY AESL	11/4" ST. LT. DUCT N. SIDE (PVC)	
V 613-1-76	MAYFAIR IND. PARK, BRAID ST.	MARATHON REAL. DWGS BY AESL	11/4" ST. LT. DUCT S. SIDE (PVC)	
V 282-1-8	A & B E. OF 240 ST., S. OF 52 AVE	MARKAN ENTERPRISES	ROAD CONSTRUCTION	10/10/75

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V 395-1-72	BETWEEN LOTS 3 & 4 WESTMINSTER MASSOT NURSERIES HWY, RICHMOND		A) WATER	11/ /76
V 395-1-72	BETWEEN LOTS 3 & 4 WESTMINSTER MASSOT NURSERIES HWY, RICHMOND		B) ROAD	11/ /76
V 396-1-72	BETWEEN LOTS 5 & 6 WESTMINSTER MASSOT NURSERIES HWY, RICHMOND		ROAD	11/ /76
V1133	GLADWIN N OF PEARDONVIL	MATSQUI	42" STORM SEWER XING	07/21/80
V1319.1.3	GLADWIN R, S OF KING SEE V1331	MATSQUI	6" WTR MAIN 30"	11/12/80
V1320.1.3	GLADWIN R, S OF KING SEE V1331	MATSQUI	6" WTR MAIN 42"	11/12/80
V1321.1.3	KING RD W OF GLADWIN SEE V1331	MATSQUI	6" WTR MAIN 30"	11/12/80
V1322.1.3	KING RD W OF GLADWIN SEE V1331	MATSQUI	6" WTR MAIN 42"	11/12/80
V1331	KING RD. W OF GLADWIN SEE V1319-V1322	MATSQUI	6" WTR 12"	
V1530	GLADWIN R S OF BEVAN	MATSQUI	ROADWORK 12"	08/11/81
V1531	GLADWIN R S OF BEVAN LOT 47	MATSQUI	8" STORM SEWER 12"	08/11/81
V1532	GLADWIN R S OF BEVAN LOT 512	MATSQUI	8" STORM SEWER 12"	08/11/81
V1533	GLADWIN R S OF BEVAN LOT 2	MATSQUI	8" STORM SEWER 12"	08/11/81
V1550.1.5	FR. HWY E OF BRADNER	MATSQUI	10" WATERMAIN 30"	11/17/81
V1551.1.5	FR. HWY E OF BRADNER	MATSQUI	10" WATERMAIN 42"	11/17/81
V1623	MACLURE & GLADWIN	MATSQUI	WATER 6"	
V1721	GLADWIN & S FRASER WAY	MATSQUI	TRAFFIC SIGNAL 8"	03/10/82
V1760.1.4	MT. LEHMAN TO QUEENS	MATSQUI	STORM SEWER 30"	05/05/83
V1774.1.4	QUEEN ST & MARSHALL	MATSQUI	WATERMAIN 42"	08/10/82
V1775.1.4	QUEEN ST & MARSHALL	MATSQUI	WATERMAIN 30	08/10/82
V1785.1.4	MT. LEHMAN TO QUEEN	MATSQUI	STORM SEWER 42"	05/05/83
V1858	GLADWIN & MCCLURE (S)	MATSQUI	CATCH BASIN LEAD	07/27/82
V1859	GLADWIN S OF CAPILANO	MATSQUI	CATCH BASIN LEAD	09/13/82
V1860	GLADWIN N OF CAPILANO	MATSQUI	CATCH BASIN LEAD	
V1862	SOUTH SIDE MCCLURE	MATSQUI	ST. LIGHT	08/03/82
V1863	NORTH SIDE MCCLURE	MATSQUI	ST. LIGHT	08/03/82
V1864	GLADWIN & 500 N OF NELSON	MATSQUI	ROADWORK	08/03/82
V1865	GLADWIN N OF NELSON	MATSQUI	ROADWORK	08/03/82
V1898	GLADWIN RD	MATSQUI	ROADWORK	12/09/82
V1899	GLADWIN RD	MATSQUI	STORM SEWER	11/09/82
V1900	GLADWIN RD	MATSQUI	STORM SEWER	11/09/82
V1901	GLADWIN RD	MATSQUI	STORM SEWER	11/09/82
V1902	GLADWIN RD	MATSQUI	WATER SERVICE	11/09/82
V 748-1-4	SIMPSON RD. EXTENSION	MATSQUI DISTRICT	24" SANITARY SEWER (30" T/L)	04/10/79
V 749-1-4	EAST OF ROSS RD.	MATSQUI DISTRICT	24" SANITARY SEWER (42" T/L)	04/10/79
V 959-1-5	ROSS RD. S OF SUNVALLEY	MATSQUI DISTRICT	ROADWORK XING 42" MTP	
V 960-1-5	ROSS RD. S OF SUNVALLEY	MATSQUI DISTRICT	ROADWORK XING 30" MTP	
V 961-1-5	SUNVALLEY CR. W OF ROSS ROAD	MATSQUI DISTRICT	ROADWORK XING 42" MTP	
V 962-1-5	SUNVALLEY CR. W OF ROSS ROAD	MATSQUI DISTRICT	ROADWORK XING 30" MTP	
V 963-1-5	DUNCAN AVENUE W OF ROSS RD	MATSQUI DISTRICT	ROADWORK XING 42" MTP	
V 964-1-5	DUNCAN AVENUE W OF ROSS RD	MATSQUI DISTRICT	ROADWORK XING 30" MTP	
V2055	DOWNES RD, E OF GLADWIN	MATSQUI DISTRICT	REPLACE 36" CONCRETE CULVERT	08/17/83
V3234-1-4	MT LEHMAN RD	MATSQUI DISTRICT	30" WATER LINE	12/12/85

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V3235-1-4	N OF MARSHALL RD.	MATSQUI DISTRICT	42" WATER LINE	12/12/85
V3341	GLADWIN RD - GATEFIELD TO DOWNES	MATSQUI DISTRICT	STORM SEWER	09/12/86
V3564	EMERSON & PEARDONVILLE	MATSQUI DISTRICT	TRAFFIC SIGNAL DUCT	03/09/88
V 91-1-5	29500 BLK. SUNVALLEY CR.	MATSQUI MUNICIPALITY	DRIVEWAY & WATER SERVICE	
V 650	GLADWIN S. OF S. FRASER WAY	MATSQUI MUNICIPALITY	SANITARY SEWER	02/28/78
V3203-1-6	BRADNER ROAD	MATSQUI MUNICIPALITY	30" WATERMAIN	09/18/85
V3204-1-6	BRADNER ROAD	MATSQUI MUNICIPALITY	42" WATERMAIN	09/18/85
V3434-1-3	MARSHALL RD. DIVERSION	MATSQUI MUNICIPALITY	WATERMAIN 30"	10/07/87
V3435-1-3	MARSHALL RD. DIVERSION	MATSQUI MUNICIPALITY	WATERMAIN 42"	10/07/87
V 108-1-4	PEARDONVILLE JUST N. OF MARSHALL, MATSQUI	MATSQUI, CORP OF	8" DUCT IRON WATER MAIN	07/13/73
V 213-1-4	TOWNLINE S. OF MARSHALL	MATSQUI, CORP OF	16" WATER MAIN	11/15/74
V 541	400' S. OF PEARDONVILLE & EMERSON	MATSQUI, CORP OF	STORM SEWER	10/05/77
V 543	INTERSECTION OF PEARDONVILLE & EMERSON RDS.	MATSQUI, CORP OF	STORM SEWER	09/28/
V 599	EMERSON S. OF PEARDONVILLE	MATSQUI, CORP OF	12" STORM SEWER SERVICE	
V 765-1-4	ROSS RD.S. OF SUN VALLEY	MATSQUI, CORP OF	30"	11/08/78
V 766-1-4	ROSS RD.S. OF SUN VALLEY	MATSQUI, CORP OF	42"	11/08/78
V 767-1-4	SUN VALLEY W. OF ROSS	MATSQUI, CORP OF	30"	11/16/78
V 768-1-4	SUN VALLEY W. OF ROSS	MATSQUI, CORP OF	42"	11/16/78
V 769-1-4	DUNCAN AVE. W. OF ROSS	MATSQUI, CORP OF	30"	03/13/79
V 770-1-4	DUNCAN AVE. W. OF ROSS	MATSQUI, CORP OF	42"	03/13/79
V 861-1-5	29460 DUNCAN AVE. MATSQUI	MATSQUI, CORP OF	SAN. SEWER OVER 30" MTP	
V 862-1-5	29460 DUNCAN AVE. MATSQUI	MATSQUI, CORP OF	SAN. SEWER OVER 42" MTP	
V 863-1-5	29472 DUNCAN AVE. MATSQUI	MATSQUI, CORP OF	SAN. SEWER OVER 30" MTP	07/16/79
V 864-1-5	29472 DUNCAN AVE. MATSQUI	MATSQUI, CORP OF	SAN. SEWER OVER 42" MTP	07/16/79
V 865-1-5	29555 SUNVALLEY CR. MATSQUI	MATSQUI, CORP OF	SAN. SEWER OVER 30" MTP	07/12/79
V 866-1-5	29555 SUNVALLEY CR. MATSQUI	MATSQUI, CORP OF	SAN. SEWER OVER 42" MTP	07/12/79
V 899-1-5	DUNCAN AVE W. OF ROSS, MATSQ.	MATSQUI, CORP OF	8" WATERMAIN XING 30"	06/07/79
V 900-1-5	DUNCAN AVE W. OF ROSS, MATSQ.	MATSQUI, CORP OF	8" WATERMAIN XING 42"	06/07/79
V 939	SEC PEARDONVILLE & EMERSON MATSQUI	MATSQUI, CORP OF	ST. SEWER XING-12" TP	08/07/79
V 940	PEARDONVILLE BETWEEN EMERSON AND GLADWIN	MATSQUI, CORP OF	ST SEWER XING 12" TP	08/07/79
V 941	PEARDONVILLE & EMERSON	MATSQUI, CORP OF	ROAD RECONSTRUCTION	
V2943	HIGHLAND AVE & GLADWIN RD	MATSQUI, CORP OF	WATERMAIN XING	07/19/84
V2965		MATSQUI, CORP OF	U/G DUCT	08/09/84
V2966	INTERSECTION GLADWIN & ROSSLAND	MATSQUI, CORP OF	U/G DUCT	08/09/84
V2969	ON GLADWIN AT GATEFIELD	MATSQUI, CORP OF	200MM STORM SEWER	10/10/84
V2970	ON GLADWIN AT HARWOOD	MATSQUI, CORP OF	200MM S. SEWER	10/01/84
V2971	ON GLADWIN S OF HARWOOD	MATSQUI, CORP OF	200MM S. SEWER	10/01/84
V2972	ON GLADWIN AT HIGHLAND	MATSQUI, CORP OF	200MM S. SEWER	10/30/84
V1732	HOPCOTT & R.R.	MATSUSHITA, DAN	FENCE & SHRUBS	
V2031-1-21	17914 - 96 AVE SURREY	MCCAIB	4" BIG O"	-

BC HYDRO AND POWER AUTHORITY
FRASER VALLEY GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V1207.1.5	3144 BRADNER RD.	MCDONALD, L	6" DRAIN TILE 30" MTP	07/29/81
V1208.1.5	3144 BRADNER RD.	MCDONALD, L	6" DRAIN TILE 42" MTP	07/29/81
V1368.1.17	212B ST S OF 96 AVE	MCELHANNEY SURV & ENG.	ST. LIGHT	
V 26 (A)	12 AVE. W. OF 56 ST.	MCELHANNEY SURV & ENG.	STREET LIGHTING	
V 26 (B)	12 AVE. NWC 56 ST.	MCELHANNEY SURV & ENG.	STREET LIGHTING	
V 26 (C)	12 AVE. NEC 56 ST.	MCELHANNEY SURV & ENG.	STREET LIGHTING	
V 26 (D)	12 AVE. E. OF 56 ST.	MCELHANNEY SURV & ENG.	STREET LIGHTING	
V 41	56 ST. AT 18 AVE.	MCELHANNEY SURV & ENG.	SANITARY SEWER	
V 79-1-7	W. OF 272, N. OF 40 AVE	MCELHANNEY SURV & ENG.	ELECTRICAL CABLE	12/18/72
V1200	152 ST & 64 AVE	MCELHANNEY SURV & ENG.	250 MM WATER 8: TP	09/23/80
V1201	152 ST & 62A AVE	MCELHANNEY SURV & ENG.	250 MM WATER 8: TP	09/23/80
V1202	152 ST & 60 AVE	MCELHANNEY SURV & ENG.	250 MM WATER 8: TP	
V1203	152 ST & 60 AVE	MCELHANNEY SURV & ENG.	ASPHALT WIDENING	
V1288.1.17	210 ST. S OF 96 AVE	MCELHANNEY SURV & ENG.	STORM 30"	10/01/80
V1289.1.17	210 ST. S OF 96 AVE	MCELHANNEY SURV & ENG.	SANITARY 30"	10/01/80
V1290.1.17	210 ST. S OF 96 AVE	MCELHANNEY SURV & ENG.	ROAD & DITCHES 30"	
V1291.1.50	140 ST S OF 104 AVE	MCELHANNEY SURV & ENG.	ROADWORK 23"	
V1292.1.50	140 ST S OF 104 AVE	MCELHANNEY SURV & ENG.	SIDEWALK 24"	10/03/80
V1293.1.50	140 ST S OF 104 AVE	MCELHANNEY SURV & ENG.	DRIVEWAY 24"	10/03/80
V1294.1.50	140 ST S OF 104 AVE	MCELHANNEY SURV & ENG.	REMOVAL OF CULVERTS	10/03/80
V1367.1.17	212B ST S OF 96 AVE	MCELHANNEY SURV & ENG.	WATERMAIN	03/24/81
V1369.1.17	212B ST S OF 96 AVE	MCELHANNEY SURV & ENG.	ROADWORK	02/25/81
V1370.1.17	212B ST S OF 96 AVE	MCELHANNEY SURV & ENG.	SIDEWALK	06/24/81
V1375.1.17	212B S S OF 96 AVE	MCELHANNEY SURV & ENG.	ST. LIGHT	04/21/81
V1376.1.17	212B S S OF 96 AVE	MCELHANNEY SURV & ENG.	SEWER	03/06/81
V1377.1.17	212B S S OF 96 AVE	MCELHANNEY SURV & ENG.	SEWER	03/06/81
V1378.1.17	212B S S OF 96 AVE	MCELHANNEY SURV & ENG.	WALKWAY	06/24/81
V1397.1.17	210 ST S OF 96 AVE	MCELHANNEY SURV & ENG.	WATERMAIN 30"	
V1439.1.17	210 ST & 96 AVE	MCELHANNEY SURV & ENG.	WATER 30"	09/29/83
V1440.1.17	210 ST & 96 AVE	MCELHANNEY SURV & ENG.	SEWER 30"	09/27/83
V1441.1.17	210 ST & 96 AVE	MCELHANNEY SURV & ENG.	SEWER 30"	09/28/83
V1512.1.17	210 ST & 96 AVE	MCELHANNEY SURV & ENG.	CONC SLBS 30"	09/27/83
V1513.1.17	210 ST & 96 AVE	MCELHANNEY SURV & ENG.	STREET LIGHTING 30"	09/30/83
V1514.1.17	210 ST & 96 AVE	MCELHANNEY SURV & ENG.	LOT GRADING 30"	10/03/83
V1515.1.17	210 ST & 96 AVE	MCELHANNEY SURV & ENG.	ROAD 30"	10/03/83
V1562.1.17	209A & 95A AVE	MCELHANNEY SURV & ENG.	GRADING 30"	
V1567	208 ST E 42 AVE	MCELHANNEY SURV & ENG.	WATER 8"	11/02/81
V1848.1.41	132 ST & 88TH AVE	MCELHANNEY SURV & ENG.	ROAD IMPROVEMENT	10/26/82
V1849.1.41	132 ST & 88TH AVE	MCELHANNEY SURV & ENG.	RELOCATE CATCH BASIN	11/18/82
V2018-1-67	68 AVE 140 TO 144 ST	MCELHANNEY SURV & ENG.	DRIVEWAYS	10/25/83
V2019	68 AVE 140 TO 144 ST	MCELHANNEY SURV & ENG.	WATER SERVICES	10/25/83
V2020	68 AVE 140 TO 144 ST	MCELHANNEY SURV & ENG.	SAN SEWERS SERVICES	10/25/83
V2021	68 AVE 140 TO 144 ST	MCELHANNEY SURV & ENG.	WATER MAIN	10/28/83
V2022	68 AVE 140 TO 144 ST	MCELHANNEY SURV & ENG.	STORM SEWER	10/28/83
V2023	68 AVE 140 TO 144 ST	MCELHANNEY SURV & ENG.	SANITARY SEWER	10/21/83
V3175	14129-68 TH AVE	MCELHANNEY SURV & ENG.	200MM STORM SEWER	07/29/
V3286	68 AVE - 140 ST TO 144 ST	MCELHANNEY SURV & ENG.	STORM SEWER	09/03/86

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FRASER VALLEY GAS DIVISION
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FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V3287	68 AVE. - 140 ST TO 144 ST	MCELHANNEY SURV & ENG.	STORM SEWER	09/09/86
V3288	68 AVE - 140 ST TO 144 ST	MCELHANNEY SURV & ENG.	STORM SEWER	09/09/86
V3289	68 AVE - 140 ST TO 144 ST	MCELHANNEY SURV & ENG.	STORM SEWER	09/09/86
V3290	68 AVE - 140 ST TO 144 ST	MCELHANNEY SURV & ENG.	STORM SEWER	
V3383-1-17	213 ST S OF 96	MCELHANNEY SURV & ENG.	ROADWORK	01/04/88
V3384-1-17	213 ST S OF 96	MCELHANNEY SURV & ENG.	STREET LIGHTING	
V3385-1-17	210 ST S OF 96	MCELHANNEY SURV & ENG.	ROADWORK	04/01/88
V3386-1-17	210 ST S OF 96	MCELHANNEY SURV & ENG.	STREET LIGHTING	11/17/86
V3431-1-54	NORTHWEST OF SNOWDON PLACE	MCELHANNEY SURV & ENG.	DRAINAGE SWALE	
V3445	152 ST & #10 HWY	MCELHANNEY SURV & ENG.	200MM O PVC W/NC	03/17/87
V3474-1-40	88 & 140 ST.	MCELHANNEY SURV & ENG.	300MM WATER	08/18/87
V3475-1-40	88 & 140 ST.	MCELHANNEY SURV & ENG.	300MM STORM	08/11/87
V3477-1-40	88 & 140 ST.	MCELHANNEY SURV & ENG.	ROAD	09/01/87
V3478-1-40	88 & 140 ST.	MCELHANNEY SURV & ENG.	150MM SANITARY	11/08/87
V3479-1-40	88 & 140TH ST.	MCELHANNEY SURV & ENG.	250MM STORM.	08/11/87
V3480-1-40	88 & 140TH ST.	MCELHANNEY SURV & ENG.	150MM WATER	08/10/87
V3481-1-40	88 & 140TH ST.	MCELHANNEY SURV & ENG.	ROAD	09/01/87
V3482-1-40	88 & 140TH ST.	MCELHANNEY SURV & ENG.	STREET LIGHTING	09/09/87
V3483-1-40	88 & 140TH ST.	MCELHANNEY SURV & ENG.	LOT GRADING.	08/20/87
V3510	88TH AVE 140TH	MCELHANNEY SURV & ENG.	STORM SEWER	07/27/87
V3511	88TH AVE 142ND ST	MCELHANNEY SURV & ENG.	SANITARY SEWER	07/27/87
V3513-1-40	88 AVE & 140 ST	MCELHANNEY SURV & ENG.	SANITARY 200MM	08/13/87
V3575-1-23	161 ST, S OF 96 AVE	MCELHANNEY SURV & ENG.	ROAD (WITH SLABS)	
V3576-1-23	161 ST, S OF 96 AVE	MCELHANNEY SURV & ENG.	STORM SEWER	
V3577-1-23	161 ST, S OF 96 AVE	MCELHANNEY SURV & ENG.	SANITARY	
V3578-1-23	161 ST, S OF 96 AVE	MCELHANNEY SURV & ENG.	WATER	
V3579-1-23	161 ST, S OF 96 AVE	MCELHANNEY SURV & ENG.	ST. LIGHTING	
V3632-1-18	204 ST - 94B AVE	MCELHANNEY SURV & ENG.	RD WIDENING	06/22/88
V3633-1-18	204 ST - 94B AVE	MCELHANNEY SURV & ENG.	STREET LIGHTING	06/22/88
V3649	60 AVE BTW 180 ST & 192 ST	MCELHANNEY SURV & ENG.	RD WORK	
V3650	168 ST BTW 64 & 68	MCELHANNEY SURV & ENG.	RD WORK	
V3651	80 AVE BTW 120 & 122	MCELHANNEY SURV & ENG.	RD WORK	
V 311-1-40	S. OF 88 & E. OF KING GEORGE	MCELHANNEY SURV. & ENG.	10" STORM SEWER & ROAD WORKS	
V 504-1-73	S. OF RICHMOND GATE STN	METRO GAS CROSSING	20" & 24" MTP WITH 20" T.P.	08/16/
V 89-1-38 39	86 AVE. E. OF 150 ST.	MILLER ENGINEERING	SANITARY SEWER	01/24/73
V1112	GLOVER R. & #10	MINISTER OF TRANSPORT & HIGHWAYS	2 CULVERT INST	04/21/80
V1185	GLOVER RD & LANGLEY BYP	MINISTER OF TRANSPORT & HIGHWAYS	2" RPVC	07/03/80
V1186	GLOVER RD & LANGLEY BYP	MINISTER OF TRANSPORT & HIGHWAYS	2" RPVC	07/03/80
V1187	GLOVER RD & LANGLEY BYP	MINISTER OF TRANSPORT & HIGHWAYS	2" RPVC	07/03/80
V1188	GLOVER RD & LANGLEY BYP	MINISTER OF TRANSPORT & HIGHWAYS	2" RPVC	07/03/80
V1337.1.02	W OF 104 S OF RIVER	MINISTER OF TRANSPORT & HIGHWAYS	TEMP BRIDGE 24"	10/27/80

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V1816-1.76	LOUGHEED & COLONY FARM	MINISTER OF TRANSPORT & HIGHWAYS	ROADWORK 20 MTP	08/25/82
V1955	272 ST & FRASER HWY	MINISTER OF TRANSPORT & HIGHWAYS	SIGNAL LIGHTS	
V2013-1-77	CAPE HORN RD. COQ.	MINISTER OF TRANSPORT & HIGHWAYS	ROAD WIDENING	08/11/83
V2014-1-77	CAPE HORN RD. COQ.	MINISTER OF TRANSPORT & HIGHWAYS	8" SAN. SEWER	08/11/83
V2904-1-103	LOUGHEED HWY & COMO LAKE RD.	MINISTER OF TRANSPORT & HIGHWAYS	DUCT 12"	04/28/87
V3053-1-60A	E OF BNR R/R DELTA	MINISTER OF TRANSPORT & HIGHWAYS	TEST HOLES	
V3054-1-56B	109B ST & BROOKE RD. DELTA	MINISTER OF TRANSPORT & HIGHWAYS	TEST HOLES	
V3055-1-56B	W OF SHEPHERD WAY, DELTA	MINISTER OF TRANSPORT & HIGHWAYS	TEST HOLES	
V3135-1-60A	ANNACIS HWY BRIDGE SITE, DELTA	MINISTER OF TRANSPORT & HIGHWAYS	BRIDGE STRUCTURE 36" (BRIDGE BRANCH)	01/ /85
V3136-1-60A	ANNACIS HWY BRIDGE SITE, DELTA	MINISTER OF TRANSPORT & HIGHWAYS	BRIDGE STRUCTURE 24" (BRIDGE BRANCH)	01/ /85
V3137-1-60A	ANNACIS HWY BRIDGE SITE, DELTA	MINISTER OF TRANSPORT & HIGHWAYS	4-3" RPVC DUCTS 36" (BRIDGE BRANCH)	01/ /85
V3138-1-60A	ANNACIS HWY BRIDGE SITE, DELTA	MINISTER OF TRANSPORT & HIGHWAYS	4-3" RPVC DUCTS 24" (BRIDGE BRANCH)	01/ /85
V3207-1-62	W OF DELTA STN.	MINISTER OF TRANSPORT & HIGHWAYS	24" DITCH	09/04/85
V3208-1-62	W OF DELTA STN.	MINISTER OF TRANSPORT & HIGHWAYS	36" DITCH	09/04/85
V3216-1-60	N OF 84 AVE DELTA	MINISTER OF TRANSPORT & HIGHWAYS	88 AVE CONNECTER HWY	09/30/85
V3217-1-60	N OF 84 AVE DELTA	MINISTER OF TRANSPORT & HIGHWAYS	88 AVE CONNECTER HWY	09/30/85
V3218-1-60A	EAST OF 3N RAILWAY DELTA	MINISTER OF TRANSPORT & HIGHWAYS	88 AVE CONNECTER HWY	09/30/85
V3219-1-60A	EAST OF 3N RAILWAY DELTA	MINISTER OF TRANSPORT & HIGHWAYS	88 AVE CONNECTER HWY	09/30/85
V3221-1-98	N. HILL BYPASS W OF TRENTON GATE	MINISTER OF TRANSPORT & HIGHWAYS	FILL & PV'T	10/24/85
V3232-1-76	HWYS #1 TO UNITED CONNECTION RD	MINISTER OF TRANSPORT & HIGHWAYS	ROADWAY DITCHES	01/08/86
V3233-1-76	HWYS #1 TO UNITED CONNECTION RD	MINISTER OF TRANSPORT & HIGHWAYS	SETTLEMENT PLATES	01/08/86
V3243-1-71	R/W W OF NELSON GATE	MINISTER OF TRANSPORT & HIGHWAYS	TEMP EQUIP X-ING	04/28/87
V3244-1-71	R/W W OF NELSON GATE	MINISTER OF TRANSPORT & HIGHWAYS	TEMP EQUIP X-ING	04/28/87
V3246-1-56B	BROOKE RD S OF 88 AVE HWY CON, DEL	MINISTER OF TRANSPORT & HIGHWAYS	450 PVC STM XING 36MP	05/08/86

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V3247-1-60	84 AVE CONNECTOR DELTA	MINISTER OF TRANSPORT & HIGHWAYS	375 PVC STM XING 24HP	06/09/86
V3248-1-60	84 AVE CONNECTOR DELTA	MINISTER OF TRANSPORT & HIGHWAYS	375 PVC STM XING 36HP	06/09/86
V3249-1-62	RIVER ROAD CONNECTOR WEST OF DELTA VAWESTA	MINISTER OF TRANSPORT & HIGHWAYS	ROADWAY XING 24"	
V3250-1-62	RIVER ROAD CONNECTOR WEST OF DELTA VAWESTA	MINISTER OF TRANSPORT & HIGHWAYS	ROADWAY XING 36	
V3251-1-62	RIVER ROAD CONNECTOR WEST OF DELTA VAWESTA	MINISTER OF TRANSPORT & HIGHWAYS	300 STM XING 24	
V3252-1-67	RIVER ROAD CONNECTOR WEST OF DELTA VAWESTA	MINISTER OF TRANSPORT & HIGHWAYS	300 STM XING 35	
V3253-1-62	RIVER ROAD CONNECTOR WEST OF DELTA VAWESTA	MINISTER OF TRANSPORT & HIGHWAYS	50MM RPVC XING 24	02/25/86
V3254-1-62	RIVER ROAD CONNECTOR WEST OF DELTA VAWESTA	MINISTER OF TRANSPORT & HIGHWAYS	50MM RPVC XING 36	02/25/86
V3255-1-62	RIVER ROAD CONNECTOR WEST OF DELTA VAWESTA	MINISTER OF TRANSPORT & HIGHWAYS	300MM H2O XING 24	06/02/85
V3256-1-62	RIVER ROAD CONNECTOR WEST OF DELTA VAWESTA	MINISTER OF TRANSPORT & HIGHWAYS	300MM H2O XING 36	06/02/86
V3293-1-76	HWY #1 & E OF CAPE HORN. COQ	MINISTER OF TRANSPORT & HIGHWAYS	STREET LIGHTING	03/10/86
V3331-1-00	L'NEED HWY HANEY	MINISTER OF TRANSPORT & HIGHWAYS	27" STM	01/12/87
V3333-1-88	L'NEED HWY HANEY	MINISTER OF TRANSPORT & HIGHWAYS	11/2" RPVC S.LTG	01/12/87
V3334-1-88	L'NEED HWY HANEY	MINISTER OF TRANSPORT & HIGHWAYS	11/2" RPVC S.LTG	01/12/87
V3336-1-88	L'NEED HWY HANEY	MINISTER OF TRANSPORT & HIGHWAYS	12" STM	10/14/86
V3381-1-72	NO. 8 RD, RICHMOND	MINISTER OF TRANSPORT & HIGHWAYS	20" ROAD-UPGRADE	09/30/86
V3382-1-72	NO. 8 RD, RICHMOND	MINISTER OF TRANSPORT & HIGHWAYS	24" ROAD-UPGRADE	09/30/86
V3415-1-60A	W OF BNR IN N. DELTA	MINISTER OF TRANSPORT & HIGHWAYS	STORM CULVERT 24" 86"	11/20/86
V3416-1-60A	W OF NORDEL HWY N. DELTA	MINISTER OF TRANSPORT & HIGHWAYS	DRAIN SWALE 24 & 36	11/20/86
V3440-1-76	NORDEL WAY 112-116 ST DELTA	MINISTER OF TRANSPORT & HIGHWAYS	N. HILL-HWY 1 & DITCHES WEST OF RAMP	
V3563-1-44	OLD YALE RD SURREY	MINISTER OF TRANSPORT & HIGHWAYS	CULVERT	01/24/88
V3044-1-60A	ANACIS HWY X-ING 36 MTP	MINISTER OF TRANSPORT & HWYS DILLINGHAM	EQUIP X-ING/PILE DRIV.	03/20/85
V3045-1-60A	ANACIS HWY X-ING 24 MTP	MINISTER OF TRANSPORT & HWYS DILLINGHAM	EQUIP X-ING/PILE DRIV.	03/20/85
V1093	6TH AVE. & CEDAR	MISSION	12" WATER MAIN 8"TP	08/18/80

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V1094	7TH AVE. & CEDAR	MISSION	12" WATER MAIN 8" TP	08/18/80
V1098	CEDAR ST. & 1ST AVE.	MISSION	6" WATER 8" TP	
V1132	CEDAR ST. & LOUGHEED	MISSION	DITCH 8" TP	
V1190	LONDON AVE E OF BEA	MISSION	12" CULVERT 6: TP	
V1279	4TH AVE & CEDAR ST.	MISSION	WATERMAIN 8"	11/27/80
V1282	32810 - 6 AVE	MISSION	WATER SERV 8"	09/08/80
V1283	32818 - 6 AVE	MISSION	WATER SERV 8"	09/08/80
V1284	32828 - 6 AVE	MISSION	WATER SERV 8"	09/08/80
V1285	32846 - 6 AVE	MISSION	WATER SERV 8"	09/08/80
V1286	32854 - 6 AVE	MISSION	WATER SERV 8"	09/08/80
V1287	32864 - 6 AVE	MISSION	WATER SERV 8"	09/08/80
V1335	7 AVE & CEDAR ST	MISSION	RD RECONN 8"	06/25/82
V1404	CEDAR & LOUGHEED	MISSION	SAN SEWER 8"	03/09/81
V1408	CEDAR ST. & LANE N OF 1ST	MISSION	SAN SEWER 8"	03/25/81
V1414	6 AVE W OF ALDER	MISSION	SEWER 8"	03/09/81
V1696	BEATTY DRIVE	MISSION	CULVERT TP	
V1697	CEDAR & 7TH AVE	MISSION	STORM DRAIN TP	04/16/82
V1720	7TH AND E. CEDAR	MISSION	TRAFFIC SIGNAL 8"	06/07/82
V1724	7 AVE & CEDAR	MISSION	TRAFFIC SIGNAL 8 TP	06/07/82
V1733	BEATTY AVE	MISSION	SAN SEWER	05/13/82
V1734	BEATTY AVE	MISSION	WATER	03/23/82
V1735	BEATTY AVE	MISSION	DRIVEWAY	05/13/82
V1736	BEATTY AVE	MISSION	DRIVEWAY	05/13/82
V1770	HAYWARD & ANDERSON	MISSION	CULVERT TP	10/20/82
V1841	7 AVE & CEDAR ST.	MISSION	CURBS & RAMP TP	08/26/82
V2010	CEDAR N OF 7 AVE	MISSION	ROADWORK	09/08/83
V2011	CEDAR N OF 7 AVE	MISSION	CURBS & GUTTERS	08/05/83
V1057	CEDAR VALLEY N OF 7 AVE	MISSION DISTRICT	8" WATER 8" TRUNK	02/13/80
V1058	CEDAR VALLEY N OF 7 AVE	MISSION DISTRICT	18" WATER 8" TRUNK	02/13/80
V3048	CEDAR ST. NTH OF LOUGHEED	MISSION DISTRICT	SANITARY SEWER	
V3073	COMMERCIAL S. OF LONDON AVE	MISSION DISTRICT	WATERMAIN	03/19/85
V3340	CEDAR ST BTW 1ST & 2ND	MISSION DISTRICT	WATER SERVICE	08/26/86
V3404-1-35	7947-187A STN. SURREY	MITCHUK, MR.	SPRINKLER SYSTEM	06/01/88
V3441-1-51	13926-100 AVE SURREY	MOHAMMED, H	GRAVEL DRIVEWAY	
V3442-1-51	13926-100 AVE SURREY	MOHAMMED, H	WATER	07/27/87
V3443-1-51	13926-100 AVE SURREY	MOHAMMED, H	SANITARY	07/27/87
V 265-1-39(A&B	146 ST. S. OF 88 AVE ROAD D W.	NPT ENGINEERING	STREET LIGHTING	06/18/75
V3201-1-29	8205 GLOVER RD.	MUFFORD, J	DRAINAGE PIPE	08/06/85
V 811-1-65	VANTAGE WAY - 7930 TILBURY AREA	M. MITCHELL LUMBER CO.	TEMPORARY ROAD CROSSING	
V 27-1-24 25	152 ST. S. OF 98TH AVE.	N.D. LEA & ASSOCIATES	STORM SEWER	
V1811	BOUNDARY BAY AIRPORT	N.D. LEA & ASSOCIATES	CULVRT 8	05/28/82
V1812	BOUNDARY BAY AIRPORT	N.D. LEA & ASSOCIATES	DRIVEWAY 8	05/28/82
V1224.1.66	76 ST N OF VANTAGE WAY	MAIRN, D	DRIVEWAY 12"	-

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V1225.1.66	76 ST N OF VANTAGE WAY	MAIRN, D	10" CON ST SEW 12"	12/18/80
V1226.1.66	76 ST N OF VANTAGE WAY	MAIRN, D	6" WATER MAIN 12"	12/18/80
V1227.1.65	N OF VANTAGE WAY OF 76 300' E	MAIRN, D	8" CON ST SEW 24"	
V1228.1.65	N OF VANTAGE WAY OF 76 300' E	MAIRN, D	6" WATER MAIN 24"	
V1229.1.65	N OF VANTAGE WAY 600' E OF 76	MAIRN, D	8" CON ST SEW 24"	
V1230.1.65	N OF VANTAGE WAY 600' E OF 76	MAIRN, D	4" SAN SEW 24"	
V1231.1.65	N OF VANTAGE WAY 300' E OF 76	MAIRN, D	DRIVEWAY 24"	
V1232.1.65	N OF VANTAGE WAY 600' E OF 76	MAIRN, D	DRIVEWAY 24"	
V 281-1-77	FT. OF AUSTIN RD. - COQ.	MAROD CONSTRUCTION	TEMPORARY ROAD CROSSING	
V 460-1-14	89B AVE BETWEEN TRATTLE & GAY STS., FORT LANGLEY	NEILSON, MRS.S.E. C/O THOMSON SURVEYS	ROAD	
V 461-1-14	89B AVE BETWEEN TRATTLE & GAY STS., FORT LANGLEY	NEILSON, MRS.S.E. C/O THOMSON SURVEYS	CURB	
V 462-1-14	89B AVE BETWEEN TRATTLE & GAY STS., FORT LANGLEY	NEILSON, MRS.S.E. C/O THOMSON SURVEYS	SIDEWALK	
V 463-1-14	89B AVE BETWEEN TRATTLE & GAY STS., FORT LANGLEY	NEILSON, MRS.S.E. C/O THOMSON SURVEYS	DITCH	
V 464-1-14	89B AVE BETWEEN TRATTLE & GAY STS., FORT LANGLEY	NEILSON, MRS.S.E. C/O THOMSON SURVEYS	WATER	09/14/77
V2944-1-9	E OF 232, S OF 62 AVE	NEUMAN, E	TEMP XING 12"	06/29/84
V2945-1-9	E OF 232, S OF 62 AVE	NEUMAN, E	TEMP. XING 30"	06/29/84
V1115.1.65	7583 VANTAGE PL.	NEVILLE WITT	2" COPPER WATER SER.	04/14/80
V1757.1.65	7830 VANTAGE WAY	NEVILLE WITT	EASEMENT	07/13/82
V1778.1.65	9530 VANTAGE	NEVILLE WITT	CROSSING 36"	07/13/82
V1800.1.65	7830 VANTAGE WAY	NEVILLE WITT	4" SAN SEWER 24	
V1801.1.65	7830 VANTAGE WAY	NEVILLE WITT	4" SAN SEWER 36	
V1802.1.65	7830 VANTAGE WAY	NEVILLE WITT	3/4 COPPER 24	
V1803.1.65	7830 VANTAGE WAY	NEVILLE WITT	3/4 COPPER 36	
V1804.1.65	7830 VANTAGE WAY	NEVILLE WITT	8" STORM SEWER 24	
V1805.1.65	7830 VANTAGE WAY	NEVILLE WITT	8" STORM SEWER 36	
V3166-1-56B	110A ST N OF 86 AVE	NICKEL BROS	MOVING HOUSE	
V 981-1-3	32716 KING ROAD, MATSQUI	NICKEL, W	DRIVEWAY 30"	09/26/79
V 982-1-3	32716 KING ROAD, MATSQUI	NICKEL, W	DRIVEWAY 42"	09/26/79
V 412-1-20	18750 96 AVE.	MORBURN MANAGEMENT. PETERBILT TRUCKS	A-OH ELEC CABLE B-ROAD C+D=1" ELECTRICAL	
V3405-1-19	9552-198 ST. LANGLEY	MORCO	PAVEMENT	04/24/87
V3647-1-97	KENNEDY RD	NORTH WEST RUBBER MATS	GRAVEL PARKING	
V3041-1-23	96 AVE. E OF 184 ST.	NORTHSIDE REFRIGERATION	FILL	04/28/87
V 83-1-59 (A)	110 ST. N. OF 84 AVE	NOVEL CONST.	ROAD	
V 83-1-59 (B)	110 ST. N. OF 84 AVE	NOVEL CONST.	STORM SEWER	
V 83-1-59 (C)	110 ST. N. OF 84 AVE	NOVEL CONST.	WATER MAIN	
V 263-1-42	W. OF 131 ST., N. OF 90 AVE	NU LAND REALTY	SEWER MAIN - WATER SERVICE	10/03/75
V 18-1-86	S. OF RIVER RD. - S. OF 236TH	MUBORD INDUSTRIES	2 PRIVATE ROAD XINGS	
V1835.1.30	206 ST S OF 86 AVE	O'BRIEN, LARRY	3/4" PVC WATER 18 MTP	
V3272-1-18	20554-95A AVE.	O'NEILL, J	LANDSCAPING 30"	06/02/86
V1837.1.65	RIVER RD * 76 AVE	OBALLA ALPI	PAVING 24 MTP	11/10/82
V1838.1.65	RIVER RD * 76 AVE	OBALLA ALPI	PAVING 36 MTP	11/10/82

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FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V3498-1-94	NWC 1208 AVE & 207A ST N. RIDGE	PACIFIC BUILDERS	11' WIDE ASPHALT DRIVEWAY	07/15/87
V3499-1-94	NWC 1208 AVE & 207A ST N. RIDGE	PACIFIC BUILDERS	11' WIDE ASPHALT DRIVEWAY	07/15/87
V3500-1-94	NWC 1208 AVE & 207A ST N. RIDGE	PACIFIC BUILDERS	11' WIDE ASPHALT DRIVEWAY	07/15/87
V 267-1-93	212 ST. S. OF WICKLUND	PACIFIC COAST PROPERTIES	6" WATER (ADD'1 TO V233)	
V 716	1521-56 ST.	PARK & DJWA ENG	4" SANITARY SEWER	
V 717	1521-56 ST.	PARK & DJWA ENG	6" STORM SEWER	
V1223.1.65	VANTAGE WAY E OF 76	PATRICK, D H	ROAD XING 24"	07/09/80
V1392.1.65	LT 43 VANTAGE WAY	PATRICK, D H	WATER 24"	
V1393.1.65	LT 43 VANTAGE WAY	PATRICK, D H	SAN SEWER 24"	07/15/81
V1394.1.65	LT 43 VANTAGE WAY	PATRICK, D H	STORM SEWER 24"	07/15/81
V1062-1-64	7990 VANTAGE WAY	PERMASTEEL ENGINEERING	ROADWAY	01/16/80
V1063-1-64	7990 VANTAGE WAY	PERMASTEEL ENGINEERING	ROADWAY	01/16/80
V1064-1-64	7990 VANTAGE WAY	PERMASTEEL ENGINEERING	SAN SEWER	
V1065-1-64	7990 VANTAGE WAY	PERMASTEEL ENGINEERING	WATER	
V1066-1-64	7990 VANTAGE WAY	PERMASTEEL ENGINEERING	STORM SEWER	
V1539.1.65	7880 VANTAGE WAY	PERMASTEEL ENGINEERING	WATER 24"	01/19/82
V1540.1.65	7880 VANTAGE WAY	PERMASTEEL ENGINEERING	DRIVEWAY 24"	11/24/81
V1541.1.65	7880 VANTAGE WAY	PERMASTEEL ENGINEERING	DRIVEWAY 24"	11/24/81
V1542.1.65	7880 VANTAGE WAY	PERMASTEEL ENGINEERING	SAN SEWER 24"	01/04/82
V1543.1.65	7880 VANTAGE WAY	PERMASTEEL ENGINEERING	PARKING LOT	
V 398	9565 HARVIE RD.	PETERBILT TRUCK SALES LTD.	2 10" A.C. SEWER LINES	10/08/76
V3501-1-19	194A ST. S OF 96 AVE	PETERSEN, F	TEMPXING.	08/05/87
V 140-1-39 40	88 & 144 ST.	PETOMAR DEV. PERMITS ISS. TO NPT ENG	A) LANE CONSTRUCTION	10/31/74
V 140-1-39 40	88 & 144 ST.	PETOMAR DEV. PERMITS ISS. TO NPT ENG	B) STORM SEWER	
V 141-1-39 40	88 & 144 ST. (L/E)	PETOMAR DEV. PERMITS ISS. TO NPT ENG	D) 8" SANITARY SEWER	10/09/74
V 141-1-39 40	88 & 144 ST. (L/E)	PETOMAR DEV. PERMITS ISS. TO NPT ENG	A) ROAD	
V 141-1-39 40	88 & 144 ST. (L/E)	PETOMAR DEV. PERMITS ISS. TO NPT ENG	C) 8" D.I. WATER	10/29/74
V 141-1-39 40	88 & 144 ST. (L/E)	PETOMAR DEV. PERMITS ISS. TO NPT ENG	E) 12" STORM	
V 141-1-39 40	88 & 144 ST. (L/E)	PETOMAR DEV. PERMITS ISS. TO NPT ENG	B) SIDEWALK	
V 142-1-39 40	146 ST. S. OF 88 AVE	PETOMAR DEV. PERMITS ISS. TO NPT ENG	E) 12" STORM	
V 142-1-39 40	146 ST. S. OF 88 AVE	PETOMAR DEV. PERMITS ISS. TO NPT ENG	C) 8" D.I. WATER	
V 142-1-39 40	146 ST. S. OF 88 AVE	PETOMAR DEV. PERMITS ISS. TO NPT ENG	B) SIDEWALK	
V 142-1-39 40	146 ST. S. OF 88 AVE	PETOMAR DEV. PERMITS ISS. TO NPT ENG	A) ROAD	

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V 142-1-39 40	146 ST. S. OF 88 AVE	PETOMAR DEV. PERMITS ISS. TO MPT ENG	D) 8" SANITARY	
V1101.1.95	LOUGHEED HWY. 1500 E HARRIS RD.	PHOENIX ENGINEERING	STORM SEWER 12" TP	09/25/80
V1466.1.103	COMO LAKE U LOUGHEED	PHOENIX ENGINEERING	WATER 12"	09/25/81
V1467.1.103	COMO LAKE U LOUGHEED	PHOENIX ENGINEERING	WATER 12"	08/11/81
V1528	WILTSHIRE & BRUNETTE	PHOENIX ENGINEERING	STORM SEWER 12"	
V1529	WILTSHIRE & BRUNETTE	PHOENIX ENGINEERING	SANITARY 12"	
V1563.1.100	1300 BLK KINGSWAY	PHOENIX ENGINEERING	WATER 12"	12/15/81
V1554.1.100	1300 BLK KINGSWAY	PHOENIX ENGINEERING	SEWER 12"	12/09/81
V1565.1.100	1300 BLK KINGSWAY	PHOENIX ENGINEERING	SEWER 12"	11/20/81
V1566.1.100	1300 BLK KINGSWAY	PHOENIX ENGINEERING	SEWER 12"	11/16/81
V1569.1.100	1300 BLK KINGSWAY	PHOENIX ENGINEERING	WATER 12"	12/09/81
V1582.1.100	1300 BLK KINGSWAY	PHOENIX ENGINEERING	WATER 12"	12/01/81
V1768.1.1	COMO LAKE & LOUGHEED	PHOENIX ENGINEERING	RD XING "A"	05/12/82
V1780.1.103	COMO LAKE & LOUGHEED	PHOENIX ENGINEERING	RD XING	05/12/82
V1781.1.103	COMO LAKE & LOUGHEED	PHOENIX ENGINEERING	RD XING	05/12/82
V3453-1-100	1835 KINGSWAY.	PIPE & PILING SUPPLIES	STORM CULVERT	
V3552-1-95	E OF HARRIS RD & LOUGHEED	PITT MEADOWS DISTRICT	STORM SEWER	12/02/87
V3602-1-98	KINGSWAY AVE, P COQ	PITT RIVER TIMBER	11/4" H2O SERV	
V 20-1-90	123 AVE E. OF 221 ST.	PLEASANT PACIFIC PROP.	2 DRIVEWAY XINGS, 4" SANITARY & 6" SANIT	
V1881-1-47	14311 115 AVE	POLLACK, ED	WATER	09/01/82
V1074-1-02	WILSON & SHAUGHNESSY PT COQ	PORT COQUITLAM	WATERMAIN 12" MTP	02/19/80
V1666.1.102	2229 WILSON	PORT COQUITLAM	WATER SERVICE 12"	01/20/82
V1667.1.102	2247 WILSON	PORT COQUITLAM	WATER SERVICE 12"	
V2024-1-101	KINGSWAY & WILSON, PORT COQ.	PORT COQUITLAM	ROADWORK	09/07/83
V2025-1-101	KINGSWAY & WILSON, PORT COQ.	PORT COQUITLAM	STORM SEWER	
V 42-1-100	KINGSWAY W. OF LANGAN	PORT COQUITLAM, CITY OF	WATER SERVICE	
V 167-1-100101	LOT 16 (2ND E. OF TYNER) KINGSWAY ST. - PT. COQ.	PORT COQUITLAM, CITY OF	6" WATER	02/25/74
V 172	BURY ST. AT WILSON AVE	PORT COQUITLAM, CITY OF	WATER MAINS	
V 217-1-100	1161 KINGSWAY	PORT COQUITLAM, CITY OF	WATER SERVICE	10/17/74
V 242-1-102	MARPOLE & WILSON	PORT COQUITLAM, CITY OF	24" WATER	05/15/75
V 568-1-101	WILSON & KINGSWAY	PORT COQUITLAM, CITY OF	STORM SEWER	
V1893-1-102	WILSON & SHAUGHNESSY	PORT MOODY, CITY OF	ROAD UPGRADING	11/01/82
V1894-1-102	WILSON & SHAUGHNESSY	PORT MOODY, CITY OF	CATCH BASIN LEAD	09/06/82
V1895-1-102	WILSON & SHAUGHNESSY	PORT MOODY, CITY OF	PVC DUCT	09/06/82
V1896-1-102	WILSON & SHAUGHNESSY	PORT MOODY, CITY OF	PVC DUCT	09/06/82
V2016-1-81	MERIDIAN RD, EAST OF EAST RD	PORT MOODY, CITY OF	ROAD	09/14/83
V2940-1-39A	BETWEEN 146 & 148 ST. S OF 88 AVE.	PROGRESSIVE CONTR.	FILL	04/28/87
V 485-1-3	MATSQUI INSTITUTE-KING ROAD	PUBLIC WORKS CANADA	FENCE RELOCATION	
V3378-1-2	MATSQUI INSTITUTION	PUBLIC WORKS CANADA	TEMP. RD. XING	01/05/88
V3379-1-2	MATSQUI INSTITUTION	PUBLIC WORKS CANADA	TEMP. RD. XING	01/05/88
V 833	400' S. OF 8A AVE 56 ST. BTWN 6 & 8 AVENUES	QUADRANT DEVELOPMENT	STREET LIGHTING DUCT	

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V 834	56 ST. AT STN. 1850' N. OF 6 AVE., DELTA	QUADRANT DEVELOPMENT	STREET LIGHTING DUCT	
V 835	56 ST. AT STN. 2100' N. OF 6 AVE., DELTA	QUADRANT DEVELOPMENT	STREET LIGHTING DUCT	
V 836	56 ST. AT STN. 2300' N. OF 6 AVE., DELTA	QUADRANT DEVELOPMENT	STREET LIGHTING DUCT	
V 837	56 ST. AT STN. 2600' N. OF 6 AVE., DELTA	QUADRANT DEVELOPMENT	STREET LIGHTING DUCT	
V 838	56 ST. AT MPL 8 AVE.	QUADRANT DEVELOPMENT	STREET LIGHTING DUCT	
V 21-1-86	KANAKA CREEK W. OF 232 ST. & LOUGHEED	R.G. WALKER & CO. LTD	SEWER MAIN	
V 965-1-38	85A AVE & 150A ST SURREY	R.W. TRIFFO ENG	ROADWORK XING 18" MTP	05/02/80
V 976-1-38	84A AVE & 150A STREET	R.W. TRIFFO ENG	12" STORM XING 18" MTP	
V 977-1-38	84A AVENUE & 150A STREET	R.W. TRIFFO ENG	GRADEWORK XING 18" MTP	02/08/80
V 827-750	208 ST. AT 50 AVE	R.W. TRIFFO ENG	ROAD	
V 828-750	208 ST. AT 50 AVE	R.W. TRIFFO ENG	STORM SEWER	03/21/79
V 829-750	208 ST. AT 50 AVE	R.W. TRIFFO ENG	WATER	03/20/79
V 838	208 ST. & 51A AVE	R.W. TRIFFO ENG	SANITARY SEWER	03/29/79
V 839	208 ST. & 51A AVE	R.W. TRIFFO ENG	STORM SEWER	04/23/79
V 868	208 ST & 51A AVENUE	R.W. TRIFFO ENG	STORM SEWER OVER 8" TP	04/23/79
V 966	85A AVE & 150A ST SURREY	R.W. TRIFFO ENG	8" SAN SEWER XING 18 MTP	02/06/80
V 967	85A AVE & 150A ST SURREY	R.W. TRIFFO ENG	10" STORM DRAIN XING 18"	02/06/80
V 968	85A AVE & 150A ST SURREY	R.W. TRIFFO ENG	CURBS XING 18" MTP	05/09/80
V 969	85A AVE & 150A ST SURREY	R.W. TRIFFO ENG	ST LIGHT XING 18" MTP	
V 970	84A & 150 A STREET SURREY	R.W. TRIFFO ENG	8" WATER XING 18" MTP	
V 971	84A & 150 A STREET SURREY	R.W. TRIFFO ENG	ST. LIGHT XING 18" MTP	
V 972	84A & 150 A STREET SURREY	R.W. TRIFFO ENG	10" SAN SEWER XING 18" MTP	02/15/80
V 973	84A & 150 A STREET SURREY	R.W. TRIFFO ENG	SIDEWALK XING 18" MTP	05/14/80
V 974	84A & 150 A STREET SURREY	R.W. TRIFFO ENG	ROADWORK XING 18" MTP	12/03/79
V 975-1-38	84A AVE & 150A STREET	R.W. TRIFFO ENG	CURBS XING 18" MTP	05/14/80
V1014-1-38	152 ST & 84 AVE SURREY	R.W. TRIFFO ENG	CATCH BASIN	02/08/80
V1073-1-38	85A & 150A STREET	R.W. TRIFFO ENG	SIDEWALK 18" MTP	05/09/80
V1155.1.17	96TH AVE.E OF 210 ST.	R.W. TRIFFO ENG	STORM SEWER XING 30"	09/12/80
V1156.1.17	96TH AVE.E OF 210 ST.	R.W. TRIFFO ENG	SAN SEWER XING 30" MTP	09/12/80
V1157.1.17	96TH AVE.E OF 210 ST.	R.W. TRIFFO ENG	WATER SERV XING 30" MTP	09/16/80
V1299.1.47	CURRIE DRIVE	R.W. TRIFFO ENG	ROAD & CURB 24"	
V1300.1.47	CURRIE DRIVE	R.W. TRIFFO ENG	WATER 24"	10/30/80
V1301.1.47	CURRIE DRIVE	R.W. TRIFFO ENG	ST. LIGHT 24"	10/30/80
V1910	152-22 AVE	R.W. TRIFFO ENG	SAN SEWER	11/23/82
V2104	68 & 137A	R.W. TRIFFO ENG	SAN. SEWER	02/ /85
V2105	68 & 137A	R.W. TRIFFO ENG	SAN. SEWER	02/ /85
V2893	68TH & 142 ST	R.W. TRIFFO ENG	SANITARY SEWER	02/27/84
V2895	68TH & 142 ST.	R.W. TRIFFO ENG	WATER SERVICE	03/12/84
V2948	18TH AVE & 152ND ST	R.W. TRIFFO ENG	WATERMAIN XING	10/17/84
V3439	68 AVE & 140TH ST.	R.W. TRIFFO ENG	SANITARY SEWER	03/05/87
V1475.1.26	156 ST E OF 96 AVE	RANMALA & ASSOC	SLABS 30"	02/15/81
V1476.1.26	156 ST E OF 96 AVE	RANMALA & ASSOC	ROAD 30"	06/12/81

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V1477.1.26	156 ST E OF 96 AVE	RANNALA & ASSOC	WATER 30"	06/30/81
V1478.1.26	156 ST E OF 96 AVE	RANNALA & ASSOC	SAN SEWER 30"	06/16/81
V1479.1.52	156 ST E OF 96 AVE	RANNALA & ASSOC	STORM SEWER 24"	06/15/81
V1480.1.26	156 ST E OF 96 AVE	RANNALA & ASSOC	SAN SEWER 30"	06/25/81
V1481.1.26	156 ST E OF 96 AVE	RANNALA & ASSOC	STORM SEWER 30"	06/25/81
V1482.1.26	156 ST E OF 96 AVE	RANNALA & ASSOC	WATER 30"	06/25/81
V1485.1.52	156 ST E OF 96 AVE	RANNALA & ASSOC	SWALE 24"	08/04/81
V1486.1.26	156 ST E OF 96 AVE	RANNALA & ASSOC	SWALE 30"	08/04/81
V1487.1.52	156 ST E OF 96 AVE	RANNALA & ASSOC	GRADING 24"	08/04/81
V1488.1.26	156 ST E OF 96 AVE	RANNALA & ASSOC	GRADING 30"	08/04/81
V2046-1-23	96TH AVE. E. OF 161 STR.	RANNALA & ASSOC	STORM SEWER	12/02/83
V2047-1-23	96TH AVE. E. OF 161 STR.	RANNALA & ASSOC	FILL	12/22/83
V3112	24TH AVE W OF 152 ST	RANNALA & ASSOC	SANITARY SEWER	05/08/85
V3113	24TH AVE W OF 152 ST	RANNALA & ASSOC		05/08/85
V3114	24TH AVE W OF 152 ST	RANNALA & ASSOC		05/08/85
V3210-1-95	PARK RD & LOUGHEED HWY	RANNALA & ASSOC	8" SEWER	09/24/85
V3211-1-95	PARK RD & LOUGHEED HWY	RANNALA & ASSOC	3-3" U/G DUCTS	09/25/85
V 850-1-100	1675 KINGSWAY, PORT COQUITLAM	RECORD CHEMICAL CO.	ACCESS ROAD	
V 851-1-100	1675 KINGSWAY, PORT COQUITLAM	RECORD CHEMICAL CO.	8" WATER	07/10/79
V 852-1-100	1675 KINGSWAY, PORT COQUITLAM	RECORD CHEMICAL CO.	STORM SEWER	07/24/79
V 853-1-100	1675 KINGSWAY, PORT COQUITLAM	RECORD CHEMICAL CO.	SANITARY SEWER	
V2923-1-100	1745 KINGSWAY AVE.	RECORD CHEMICAL CO. ORV'S PLUMBING	SAN. SEWER.	07/24/84
V 55-1-3	MARSHALL RD. DIVERSION S. OF MARSHALL RD.	REDDEKOPP, H	2" WATER MAIN	
V3330-1-65	7830 VANTAGE WAY	REGENCY IND.	6" WATER - 24"	08/12/86
V3332-1-65	7830 VANTAGE WAY	REGENCY IND.	6" WATER - 36"	
V3594-1-76	LOT 1, N OF TAPPEN AVE	REGENT (HARDY BBT)	PARKING AREA	
V2075	AIRPORT & 72 - DELTA	REID CROWTHER	WATER	12/13/83
V2076	AIRPORT & 72 - DELTA (SUPERCEDES V1879 & 1880)	REID CROWTHER	WATER	12/13/83
V2095	GLADWIN RD, SOUTH OF SOUTH FRASER WAY	REID CROWTHER (SEVEN OAKS)	DRIVEWAY - 2099	02/28/84
V2096	GLADWIN RD, SOUTH OF SOUTH FRASER WAY	REID CROWTHER (SEVEN OAKS)	REMOVE CONDUIT/WIRING - 2095	02/28/84
V2097	GLADWIN RD, SOUTH OF SOUTH FRASER WAY	REID CROWTHER (SEVEN OAKS)	CONDUIT & TRAFFIC ISLAND - 2096	02/28/84
V2098	GLADWIN RD, SOUTH OF SOUTH FRASER WAY	REID CROWTHER (SEVEN OAKS)	CATCH BASIN - 2097	02/28/84
V2099	GLADWIN RD, SOUTH OF SOUTH FRASER WAY	REID CROWTHER (SEVEN OAKS)	DUCTS - 2098	02/28/84
V3077	SE CORNER OF 152 ST. & 18 AVE	RESCON CONSTRUCTION & B.C. TEL ROADWAY		05/01/85
V3078	SE CORNER OF 152 ST. & 18 AVE	RESCON CONSTRUCTION & B.C. TEL DUCT (BC HYDRO)		05/01/85
V3079	SE CORNER OF 152 ST. & 18 AVE	RESCON CONSTRUCTION & B.C. TEL DUCT (BC TEL)		05/01/85
V1087.7.75	RIVER ROAD RICH.	RICHMOND	WATER MAIN 24" N.T.P	
V1088.1.75	RIVER ROAD RICH.	RICHMOND	WATER MAIN 20" MTP	
V 661-1-72	U/N RD. BTWN #7 RD. & KARTNER RD. S. OF WESTMINSTER HWY(24")	RICHMOND, CORP OF	1" WATER MAIN	06/15/78

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V 662-1-72	AS ABOVE XING 20"	RICHMOND, CORP OF	1" WATER MAIN	06/15/78
V3413-1-71	NELSON GATE STN. RICHMOND	RICHMOND, TOWNSHIP OF	600MM STORM SEWER 20"	07/12/87
V3414-1-71	NELSON GATE STN. RICHMOND	RICHMOND, TOWNSHIP OF	600MM STORM SEWER 24"	07/12/87
V 56-1-5 (B)	EASEMENT - S. OF DUNCAN, W. OF ROSS	RIDGETOP BUILDERS LTD.	12" PLASTIC SUMP	06/27/72
V 56-1-5 (A)	EASEMENT - S. OF DUNCAN, W. OF ROSS	RIDGETOP BUILDERS LTD.	18" CULVERT	06/27/72
V 209-1-100	1835 KINGSWAY - PORT COQ.	ROBERTSON BUILDING SYSTEMS	A & B - 2 12" DRAINAGE PIPES	11/05/74
V 407-1-100	KINGSWAY W. OF MCLEAN	ROBERTSON BUILDING SYSTEMS		
V3524-1-93	21012 - 121 AVE MAPLE RIDGE	ROOKE, R	DRIVEWAY/PATIO	
V3426-1-50	10213-140 ST.	ROTO ROOTER	STORM DRAIN	12/10/86
V3363-1-94	W OF 208 ST, W OF DEWDNEY TRUNK	SABLE HOMES	TEMP EQUIP CROSSING	
V2942-1-43	9971 - 127B ST. SURREY	SAUDER, C	LANDSCAPING	07/13/84
V 405-1-98	KINGSWAY W. OF TRENTON	SCEPTRE DREDGING	TEMP RD XING	11/09/76
V1445.1.62	W OF 104 ST S RIVER RD	SCEPTRE DREDGING	DREDGE PIPELINE 24"	05/12/81
V1492.1.62	W 104 S OF RIVER	SCEPTRE DREDGING	DREDGE PIPELINE	
V2907-1-28	6062-16 ST, LANGLEY	SCHROEDER, M	SEWER 18"	06/25/84
V 192-1-42	13101 - 92 AVENUE	SCHUMACHER, J	REGRADE LOT (DOTC NOT INVOLVED)	
V 275-1-42	13101 - 92 AVENUE	SCHUMACHER, J	SPRINKLER SYSTEM	
V3189-1-26	13922-94 AVE	SEKHON, MR.	LANDSCAPING	08/08/85
V3644-1-23	164 ST & 95 AVE	SENEX DEV.	TEMP. EQUIP CROSSING	
V 942	GLADWIN & BROADWAY 7TH DAY ADVENTIST CHURCH	SEVENTH DAY ADVENTIST CHURCH		
V1679.1.50	103A & 140 ST	SEWARD ENGINEERING	ROADWORK 24 MTP	
V1680.1.50	103A & 140 ST	SEWARD ENGINEERING	SIDEWALKS 24"	
V1682.1.50	103A & 150	SEWARD ENGINEERING	SLABS 24"	
V 13-1-9	W. OF 56 AVE - E. OF 232 ST.	SHAMROCK GOLF CLUB	WATER LINE	01/26/71
V1406.1.39A	14557 KINGSTON PL.	SHERMAN, JOHN	FENCE 18"	07/10/81
V3028-1-55	12643 - 89 AVE	SINKOVITS, V	24" 1" WATER SERVICE	
V3029-1-55	12643 - 89 AVE	SINKOVITS, V	36" 1" WATER SERVICE	
V3030-1-55	12649 - 89 AVE	SINKOVITS, V	24" 1" WATER SERVICE	08/25/86
V3031-1-55	12649 - 89 AVE	SINKOVITS, V	36" 1" WATER SERVICE	08/25/86
V3032-1-55	12649 - 89 AVE	SINKOVITS, V	24" DRIVEWAY	
V3033-1-55	12649 - 89 AVE	SINKOVITS, V	36" DRIVEWAY	
V3432-1-55	12649-89 AVE.	SINKOVITS, V	PAVED DRIVEWAY 24"	
V3433-1-55	12649-89 AVE.	SINKOVITS, V	PAVED DRIVEWAY 36"	
V 88-1-57	WALKWAY W. OF 120 ST. AT 85A AVENUE	SINER CONST. C/O BAXTER & RANNALA	PAVED WALKWAY	
V1832	72 ST AND AIRPORT	SMITH, PAUL	ROAD TP	10/27/82
V1839	BOUNDARY BAY AIRPORT	SMITH, PAUL	SEWER TP	10/27/82
V1940-1-2	MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	ROAD 36"	
V1941-1-2	MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	ROAD 36"	
V1942-1-2	MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	ROAD 42"	
V1943-1-2	MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	ROAD 42"	
V3036-1-2	33344 KING ROAD. MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	1/2" DIA. CABLE - 30"	03/26/87

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V3037-1-2	33344 KING ROAD. MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	1/2" DIA. CABLE - 42"	02/26/87
V3163-1-2	33344 KING ROAD. MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	U/G DUCT 42" (COAST CONSTRUCTION)	06/14/85
V3164-1-2	33344 KING ROAD. MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	U/G DUCT 30" (COAST CONSTRUCTION)	06/14/85
V3607-1-2	33344 KING RD. MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	42" PAVEMENT	
V3608-1-2	33344 KING RD. MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	30" PAVEMENT	
V 544-1-66	TILBURY PARK	SONORA CONSTRUCTION	TEMPORARY RAMP CONSTRUCTION	09/03/
V1011-1-20	18750 - 96 AVE (PETERBILT TRUCKS)	SOUTHWEST CONT LTD	2" PL WATER SER 30" MTP	09/04/79
V 792-1-65	LOT 37-TILBURY IND. PARK	SOUTHWEST ENTERPRISES LTD	4" SANITARY SEWER	11/01/78
V 793-1-65	LOT 37-TILBURY IND. PARK	SOUTHWEST ENTERPRISES LTD	6" WATER SERVICE	11/01/78
V1561	134 & 92	SPRINGBROOK	CONCRETE CURBS 24"	11/26/81
V 5	100 AVE W. OF 140 ST.	STANLEY ASSOC.	SEWER	06/16/71
V 6	102 AVE. W. OF 140 ST.	STANLEY ASSOC.	SEWER	06/16/71
V 7	KINDERSLEY W. OF COVENTRY	STANLEY ASSOC.	SEWER	09/16/71
V 224-1-59	111A N. OF 84 AVE	STANLEY ASSOC. (QUADRANT DEV.)		
V2941-1-57	8468 - 117B ST. DELTA	STENDAL, W C	4" PERFORATED DRAIN	
V2968-1-76	78 GOLDEN DR COQ.	STILL CREEK	PAVING	08/24/84
V 236-1-41	88 & 130 STREET	STRONG, LAMB & NELSON	A) ROAD	07/25/
V 236-1-41	88 & 130 STREET	STRONG, LAMB & NELSON	B) CURB	09/19/
V 236-1-41	88 & 130 STREET	STRONG, LAMB & NELSON	D) SANITARY	08/08/
V 236-1-41	88 & 130 STREET	STRONG, LAMB & NELSON	E) WATER	08/22/
V 236-1-41	88 & 130 STREET	STRONG, LAMB & NELSON	C) S/W	
V 237-1-41	W. OF EDINBURGH ON EASEMENT	STRONG, LAMB & NELSON	10" SANITARY	08/05/75
V 238-1-41	EASEMENT E. OF PEEBLES W. OF 88	STRONG, LAMB & NELSON	24" STORM	08/15/75
V 272-1-95	LOUGHEED HWY E. OF BONSON	STRONG, LAMB & NELSON	36" STORM SEWER	
V 309-1-41	TULSY CR. S. OF 87B AVE	STRONG, LAMB & NELSON	A-D ROADS & 6" WATER	04/ /77
V 338-1-42	S. OF 96, BALLOCH DR.	SUR DEL	F) WATER	
V 338-1-42	S. OF 96, BALLOCH DR.	SUR DEL	D) STORM	
V 338-1-42	S. OF 96, BALLOCH DR.	SUR DEL	B) CURBS	
V 338-1-42	S. OF 96, BALLOCH DR.	SUR DEL	C) S/W	
V 338-1-42	S. OF 96, BALLOCH DR.	SUR DEL	A) ROAD	
V 338-1-42	S. OF 96, BALLOCH DR.	SUR DEL	E) SANITARY	
V 339-1-42	95 AVE W. OF 132	SUR DEL	F) WATER	
V 339-1-42	95 AVE W. OF 132	SUR DEL	D) STORM	
V 339-1-42	95 AVE W. OF 132	SUR DEL	B) CURB	
V 339-1-42	95 AVE W. OF 132	SUR DEL	E) SANITARY	
V 339-1-42	95 AVE W. OF 132	SUR DEL	C) SIDEWALK	
V 339-1-42	95 AVE W. OF 132	SUR DEL	A) ROAD	
V 178-1-48	100A AVE E OF 140A ST	SURREY	DITCH	
V1097	152 ST. & 54A AVE.	SURREY	25 MM WATER 8" TP	03/21/80
V1134.1.25	151A ST. S OF 95A AVE	SURREY	450 MM STORM SEWER X	08/05/80

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V1160	68TH AVE & 148 ST.	SURREY	WATER MAIN 6" TP	02/02/80
V1233	40 AVE W OFF 168 ST	SURREY	CULVERT 175#11/4TP	10/01/80
V1234	40 AVE - 18400 BL	SURREY	CULVERT 175#11/4TP	10/01/80
V1318	152 ST S BET 22 & 24	SURREY	WTR SERV 2"	05/20/81
V1332.1.49	E OF 140 ST	SURREY	FILL 24"	11/12/80
V1333.1.40	140 ST S OF 88 AVE	SURREY	PARKING LOT 18"	11/17/80
V1382	152 ST & 64TH AVE	SURREY	SAN SEWER 8"	
V1385	15115 - 68 AVE	SURREY	WATER SERVICE 6"	
V1398	24 AVE 152 ST	SURREY	2" PUC DUCTS 8"	03/16/81
V1399	24 AVE 152 ST	SURREY	2" PUC DUCTS 8"	03/16/81
V1400	24 AVE 152 ST	SURREY	2" PUC DUCTS 8"	03/16/81
V1401	24 AVE 152 ST	SURREY	2" PUC DUCTS 8"	03/17/81
V1402	24 AVE 152 ST	SURREY	2" PUC DUCTS 8"	03/17/81
V1403	24 AVE 152 ST	SURREY	2" PUC DUCTS 8"	03/17/81
V1493	152 ST & 56TH AVE	SURREY	WATER SEWER 8"	07/15/81
V1524	6754 - 152 ST	SURREY	WATER SERV. 12"	08/13/81
V1570	3692 - 152 ST	SURREY	WATER 8"	
V1583	68 AVE & WES OF K. G. H.	SURREY	WATER 6"	10/09/81
V1584	68 AVE & WES OF K. G. H.	SURREY	WATER 6"	10/09/81
V1585	68 AVE & WES OF K. G. H.	SURREY	WATER 6"	10/09/81
V1702	152 ST. S. OF 68TH	SURREY	WATER 19MM TP	
V1709	24 AVE & 152 ST	SURREY	STORM SEWER TP	
V1717	24TH AVE. W OF 152 ST.	SURREY	SEWER 8"	02/17/82
V1718	24TH AVE. W OF 152 ST.	SURREY	SEWER 8"	02/17/82
V1719	24TH AVE. W OF 152 ST.	SURREY	SEWER 8"	02/17/82
V1786	152 ST. & 54A AVE	SURREY	WATERMAIN TP	04/28/82
V1787	152 ST & 56 AVE	SURREY	WATERMAIN TP	04/30/82
V1788	152 ST. & 57 AVE	SURREY	WATERMAIN TP	04/24/82
V1789	152 ST. W OF 57 AVE	SURREY	WATERMAIN TP	04/30/82
V1790	152 ST. AND 68TH AVE.	SURREY	WATERMAIN TP	04/29/82
V1791	152 ST AND 72 AVE	SURREY	WATERMAIN TP	04/28/82
V1813	64TH AVE & 152 ST	SURREY	WATERMAIN TP	05/26/82
V1818	68 AVE & 140 ST	SURREY	WATERMAIN 6 TP	08/25/82
V1819	68 AVE & 142 ST	SURREY	WATERMAIN 6 TP	
V1820	68 AVE & 147 ST	SURREY	WATERMAIN 6 TP	07/20/82
V1821	68 AVE & 148 ST	SURREY	WATERMAIN 6 TP	07/12/82
V1822	68 AVE & 150 ST	SURREY	WATERMAIN 6 TP	07/12/82
V1869	68 AVE & 142 ST	SURREY	WATER TP	08/26/82
V1870	68 AVE & 142 ST	SURREY	WATER TP	08/26/82
V1871	68 AVE & HYLAND	SURREY	WATER TP	08/23/82
V1916	7858-152 ST	SURREY	WATER SERVICE	12/01/82
V1919	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1920	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1921	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1922	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1923	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1924	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83

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V1925	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1926	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1927	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1928	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1929	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/25/83
V1930	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/25/83
V1931	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/25/83
V1932	152 ST 32 AVE TO 36 AVE	SURREY	ROADWORK	08/30/83
V1954	152 ST S OF 64 AVE	SURREY	WATER	04/12/83
V1961-1-50	102 AVE. WEST OF 140TH STR.	SURREY	ROADWORK	08/17/83
V1962-1-50	102 AVE. WEST OF 140TH STR.	SURREY	STREET LIGHTING	08/17/83
V1963-1-50	102 AVE. WEST OF 140TH STR.	SURREY	STORM SEWER	08/17/83
V1964-1-55	126 STR. SOUTH OF 89 AVE	SURREY	PAVING	09/09/83
V1965-1-55	126 STR. SOUTH OF 89 AVE	SURREY	STREET LIGHTING	04/19/83
V1966-1-55	126 STR. SOUTH OF 89 AVE	SURREY	CONC. S/W	09/09/83
V1967-1-55	126 STR. SOUTH OF 89 AVE	SURREY	PAVING	09/09/83
V1968-1-55	126 STR. SOUTH OF 89 AVE	SURREY	STREET LIGHTING	04/19/83
V1969-1-55	126 STR. SOUTH OF 89 AVE	SURREY	CONC. S/W	09/09/83
V1997-1-48	110 AVE @ 140 ST, SURREY	SURREY	100MM SAN SEWER	08/12/83
V2006-1-50	102 AVE @ 140 ST SURREY	SURREY	350MM H2O MAIN	06/10/83
V2066	168 ST 32 AVE - 40TH	SURREY	RD PAVING	
V3558	152ND & 20TH SURREY	SURREY	150MM WATER (FIRE)	01/29/88
V3626	6782 150 ST	SURREY	SANITARY SEWER	
V 103-1-47	CURRIE DR., NORTH SURREY	SURREY DIST. C/O KHAN CUBITT	8" A.C. SEWER	07/26/73
V 115-1-42 (A)	96 AVE E. OF 131 ST.	SURREY DIST. C/O KHAN CUBITT	SANITARY SEWER	08/20/73
V 115-1-42 (B)	131 ST. N. OF 96 AVE	SURREY DIST. C/O KHAN CUBITT	SANITARY SEWER	08/20/73
V 235-1-33	314 ST. S. OF 74 AVE 1175 ST. E. OF 184 ST.	SURREY DISTRICT	DITCHING	05/21/75
V 288	152 ST. & CRAWLEY DR.	SURREY DISTRICT	6" D.I. WATER	09/03/75
V 290-1-51 52	96 AVE BETWEEN 136 & 140 ST.	SURREY DISTRICT	C) SEWER	
V 290-1-51 52	96 AVE BETWEEN 136 & 140 ST.	SURREY DISTRICT	B) CURB	
V 290-1-51 52	96 AVE BETWEEN 136 & 140 ST.	SURREY DISTRICT	A) ROAD RECONSTRUCTION & ST.	
V 363-1-33	E. OF 184 ST., S. OF 74 AVE	SURREY DISTRICT	DITCH	
V 364-1-33	ON 184 ST., S. OF 74 AVE.	SURREY DISTRICT	36" STORM SEWER	
V 380-1-48	PARK DR. E. OF GROSVENOR	SURREY DISTRICT	WATER MAIN	09/14/
V 562-1-42	96 AVE. W. OF 132 ST.	SURREY DISTRICT	SIDEWALK CROSSING	
V 742	CRAWLEY DR. & 152 ST.	SURREY DISTRICT	900MM STORM 36" DRAIN	09/08/78
V 781-1-51	SOUTH SIDE FRASER HWY E. OF 138 ST.	SURREY DISTRICT		11/10/79
V 790-1-51	N. SIDE FR. HWY, E. OF 138 ST	SURREY DISTRICT	WATER MAIN	02/15/79
V 849-1-48	PARK DR. BTWN ANTRIM & 141B	SURREY DISTRICT	27" STORM SEWER	03/08/79
V 919-1-21	182 ST S OF 96 AVENUE, SURREY	SURREY DISTRICT	WATERMAIN XING-30"	07/25/79
V 929	68 AVE & 132 ST SURREY	SURREY DISTRICT	WATER MAIN-6" TRUNK MAIN	
V 930	68 AVE & 134 ST SURREY	SURREY DISTRICT	WATER MAIN-6" TRUNK MAIN	07/30/79
V 931	68 AVE & 135 ST SURREY	SURREY DISTRICT	WATER MAIN-6" TRUNK MAIN	
V 937-1-23	162A S. OF 96 AVE. SURREY	SURREY DISTRICT	3/4" PVC WTR LINE-30" (585)	06/27/79
V 984	KING GEO HWY AT 68 AVENUE	SURREY DISTRICT	8" WTR MAIN 6" TP(275)	08/13/79

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V2036-1-47	MILROSE, E OF COVENTRY RD.	SURREY DISTRICT	WATER MAIN	05/28/84
V2071-1-51	96 AVE & 138 ST. SURREY	SURREY DISTRICT	SIDEWALK, CURB, GUTTER	09/15/83
V2072-1-51	96 AVE & 138 ST. SURREY	SURREY DISTRICT	STREET LIGHTING	09/15/83
V2076A-1-55	89 AVE, E OF 126, SURREY	SURREY DISTRICT	WATER	12/22/83
V2076-1-55	89 AVE, E OF 126, SURREY	SURREY DISTRICT	WATER	12/22/83
V2093-1-38	84 AVE. BTN. 150 & 152 ST.	SURREY DISTRICT	WATER 18"	03/29/84
V2894-1-38	84 AVE W OF 151 ST.	SURREY DISTRICT	STORM SEWER	03/12/84
V2900-1-40	144 ST. S OF 88 AVE.	SURREY DISTRICT	300MM STORM SEWER	03/02/84
V2901-1-40	144 ST. S OF 88 AVE.	SURREY DISTRICT	ROADWORK	03/02/84
V2902-1-40	144 ST. S OF 88	SURREY DISTRICT	300MM WATER MAIN	04/04/84
V2932	7000 BLK. 152 ST	SURREY DISTRICT	REPLACE CULVERT	04/24/84
V2947-1-40	140 ST, S OF 88 AVE.	SURREY DISTRICT	STORM SEWER 18"	05/28/84
V2985-1-43	123A ST, N OF 99A	SURREY DISTRICT	WATERMAIN	10/10/84
V3035-1-43	124A & 100 AVE.	SURREY DISTRICT	WATERMAIN	09/23/86
V3039-1-24	96 AVE E OF 152 ST.	SURREY DISTRICT	WATERMAIN (EXTENDED TO 86-12-12)	07/10/86
V3040-1-24	96 AVE E OF 152 ST.	SURREY DISTRICT	SANITARY SEWER	02/08/85
V3085	152 ST. STH OF 24 AVE	SURREY DISTRICT	STREET LIGHT CONDUIT	04/28/87
V3090	152 ST. @ 26 AVE	SURREY DISTRICT	STREET LIGHTING	04/28/87
V3161-1-47	14200 BLK. CURRIE DRIVE	SURREY DISTRICT	FRENCH DRAIN	07/29/
V3165	18TH AVE EAST OF 152 ST	SURREY DISTRICT	STORM SEWER	04/28/87
V3236	68 AVE & 149TH ST	SURREY DISTRICT	SANITARY SEWER XING	05/22/86
V3237	68 AVE & 149TH ST	SURREY DISTRICT	SANITARY SEWER XING	05/13/86
V3238R	68 AVE & 149TH ST	SURREY DISTRICT	SANITARY SEWER XING	05/22/86
V3239-1-53	136 & 92 AVE.	SURREY DISTRICT	SANITARY SEWER	06/11/86
V3257-1-44	OLD YALE RD & SPAN RD	SURREY DISTRICT	WATER 100MM	04/28/86
V3258-1-44	OLD YALE RD & SPAN RD	SURREY DISTRICT	SANITARY 100MM	04/28/86
V3350	68 AVE 144 ST	SURREY DISTRICT	STORM SEWER	08/06/86
V3380-1-32	72 AVE W OF 192 ST.	SURREY DISTRICT	SIDEWALK	01/06/88
V3406-1-53	92 AVE, W OF KING GEO. HWY	SURREY DISTRICT	300MM O WATERMAIN	02/17/87
V3444-1-56	8564-123RD ST SURREY	SURREY DISTRICT	100MM SAN SEWER	04/14/87
V3448-1-43	100 AVE. W OF 123 A ST.	SURREY DISTRICT	300MM WATERMAIN	03/31/87
V3456	6100 BLK 152 ST	SURREY DISTRICT	200MM P.V.C. CATCH BASIN LEAD	08/20/87
V3467	152 ST BTW 20 AVE & 24 AVE	SURREY DISTRICT	WATERMAIN	
V3503	68 AVE BTW 149 & 152	SURREY DISTRICT	SANITARY SEWER	
V3507-1-44	SCOTT ROAD	SURREY DISTRICT	SANITARY SEWERS	
V3514	40 AVE @ 180 ST SURREY	SURREY DISTRICT	900MM STORM SEWER	08/24/87
V3525	68 AVE 138 ST	SURREY DISTRICT	SANITARY SEWER	
V3620	152 ST KING GEO HWY	SURREY DISTRICT	WATER MAIN	
V3648	24 AVE BTW 148 & 152	SURREY DISTRICT	RD WORK & STORM SEW	
V 652-1-19	195 ST. & 95 AVE., SURREY	SURREY DISTRICT (CMC ENG.)	12" SANITARY SEWER	08/16/78
V 653-1-19	195 ST. & 95 AVE, SURREY	SURREY DISTRICT (CMC ENG.)	42" STORM SEWER	08/16/78
V 586-1-55	126 ST. & 89 AVE	SURREY DISTRICT (MCELHANNNEY SURVEY)	STORM SEWER	
V3110-1-35	7700 - 168 STREET	SURREY GOLF COURSE	DITCH & CULVERT	
V3111-1-35	7700 - 168 STREET	SURREY GOLF COURSE	DITCH	
V3183-1-35	7700-168 ST. SURREY	SURREY GOLF COURSE	SPRINKLER SYSTEM	07/04/85

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V3184-1-35	7700-168 ST. SURREY	SURREY GOLF COURSE	6" CULVERT	07/04/85
V 52-1-42	104 AVE E. OF 140 ST.	SURREY MUNICIPALITY	SANITARY SEWER	04/24/72
V 138-1-39 40	144 ST. S. OF 88 AVE	SURREY MUNICIPALITY	STORM SEWER	10/23/73
V 178-1-48	110A E. OF 140A ST.	SURREY MUNICIPALITY	DITCH RELOCATIONS	
V 410-1-48	XING 108 W. OF 141 ST.	SURREY MUNICIPALITY	STORM SEWER	
V 896-1-55	128 ST. N. OF 88 AVE, SURREY	SURREY MUNICIPALITY	SIDEWALK 24" MTP (585)	08/04/79
V3185-1-23	168 STREET & 96	SURREY MUNICIPALITY	SIDEWALK	
V3186-1-38	84 AVE, E OF 150	SURREY MUNICIPALITY	SIDEWALK	
V3187-1-39A	148 ST & 88 AVE	SURREY MUNICIPALITY	SIDEWALK	07/07/85
V3377-1-43	E OF 130, N OF 98A AVE.	SURREY MUNICIPALITY	DRAINAGE.	10/03/86
V3596-1-42	131 ST N OF 96 AVE	SURREY MUNICIPALITY	ROADWORK	
V3597-1-42	131 ST N OF 96 AVE	SURREY MUNICIPALITY	200MM WATER	
V3598-1-42	131 ST N OF 96 AVE	SURREY MUNICIPALITY	WATER SERVICE	
V3599-1-42	131 ST N OF 96 AVE	SURREY MUNICIPALITY	STREET LIGHTING	
V 147-1-47	MELROSE S.E. OF GROSVENOR	SURREY MUNICIPALITY C/O MCELHANNNEY	6" WATER MAIN	03/07/74
V 150	24 AVE E. OF 152 ST.	SURREY MUNICIPALITY C/O WEB ENG.	SANITARY SEWER	
V 59-1-35	E. OF 168 ST. S. OF FR. HWY	SURREY SERPENTINE PUBLIC GOLF COURSE	18" DRAINAGE CULVERT	08/08/72
V 1	98A - 130 - 132 ST.	SURREY, CORP OF	WATER MAIN	
V 8-1-43	128 ST. - 99 - 100 AVE.	SURREY, CORP OF	SEWER	08/17/71
V 9-1-43	129A ST. - 99 - 100 AVE.	SURREY, CORP OF	SEWER	08/27/71
V 10-1-35 36	164 ST. S. OF 80 AVE	SURREY, CORP OF	12" CULVERT	
V 14-1-46	KING ST. E. OF MCBRIDE	SURREY, CORP OF	12" D.I. WATER MAIN	
V 40-1-44	102 AVE. E. OF 122 ST.	SURREY, CORP OF	WATER MAIN	10/01/71
V 43-1-25	148 ST. S. OF 96 AVE	SURREY, CORP OF	WATER MAIN	12/01/71
V 44-1-40	144 ST. & 88 AVE	SURREY, CORP OF	SANITARY SEWER	02/25/72
V 49-1-55	126A N. OF 89	SURREY, CORP OF	SEWER	02/25/72
V 57-1-47	LORNE CIRCUS & MCBRIDE	SURREY, CORP OF	6" WATER MAIN	07/12/72
V 61-1-47 48	GROSVENOR TO KINDERSLEY - COVENTRY	SURREY, CORP OF	WATER MAIN	07/20/72
V 152-1-50 51	100 AVE. W. OF 140 ST.	SURREY, CORP OF	WATER MAIN	05/10/74
V 176-1-43 44	100 AVE & N. OF 101 AVE W. OF 123A ST.	SURREY, CORP OF	8" SANITARY SEWER	07/05/74
V 194-1-24 23	160 ST. S. OF 96 AVE.,	SURREY, CORP OF	CHANGE DITCH ELEVATION	06/25/74
V 199-1-28	94 AVE & 140 ST.	SURREY, CORP OF	18" WATER	07/12/74
V 200-1-41	132 ST. S. OF 88 AVE	SURREY, CORP OF	18" STORM SEWER	08/14/74
V 201-1-41	132 ST. & 88 AVE	SURREY, CORP OF	FENCE & WORK AREA	
V 203-1-47	GLADSTONE W. OF COVENTRY	SURREY, CORP OF	12" STORM & ROAD	08/07/74
V 205-1-48	110A AVE. BTWN 140A ST. AND 141B ST.	SURREY, CORP OF	6" WATER	08/19/74
V 218-1-55	128 ST. S. OF 92 AVE	SURREY, CORP OF	18" WATER	10/09/74
V 221	168 ST. N. OF 61 AVE	SURREY, CORP OF	CULVERT REPLACEMENT	
V 250-1-44	100A AVE. W. OF 123A ST.	SURREY, CORP OF	6" WATER MAIN	08/13/
V 260-1-33	188 ST. N. OF 72 AVE	SURREY, CORP OF	DITCH CROSSING	06/05/75
V 449-1-19	195 ST. S. OF 96 AVE	SURREY, CORP OF	12" WATER MAIN	11/05/78

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V 450-1-19	192 ST. S. OF 96 AVE	SURREY, CORP OF	12" WATER MAIN	09/19/
V 630	24 AVE. W. OF 152 ST., SURREY	SURREY, CORP OF	18" WATER	
V 631	24 AVE. E. OF 152 ST., SURREY	SURREY, CORP OF	18" WATER	01/25/78
V 639	GORSVENOR RD. & LORNE CIRCUS	SURREY, CORP OF	6" WATER	06/29/78
V 860-1-26	140 ST. S. OF 96 AVE	SURREY, CORP OF	STORM SEWER	05/09/79
V 488-1-20	192 ST. S. OF 96 AVE.	SURREY, CORP OF, C/O CMC ENG	10" SANITARY SEWER	11/09/77
V 649-1-19	192 ST. S. OF 96 AVE., SRY	SURREY, CORP OF, C/O CMC ENG	21" STORM SEWER	06/23/78
V 671-1-19	195 ST. S. OF 96 AVE.	SURREY, CORP OF, C/O CMC ENG	ROAD	
V 672-1-19	195 ST. S. OF 96 AVE.	SURREY, CORP OF, C/O CMC ENG	CURBS	
V 673-1-19	195 ST. S. OF 96 AVE.	SURREY, CORP OF, C/O CMC ENG	STREET LIGHTING	11/09/78
V 542-1-48	108 AVE BETWEEN 140 & 141 ST.	SURREY, CORP OF, C/O MCELHANEY	S/W CONSTRUCTION SURV. & ENG.	10/21/77
V 204	88 AND 130 ST., SURREY	SURREY, CORP OF, C/O STRONG, LAMB & NELSON	ROAD, SEWER & WATER	
V 487	96 AVE. W. OF 132 ST.	SURREY, CORP OF, C/O W.C. & T	18" STORM SEWER	
V 80 (D)	136 & 134 STS. - 92 AVE	SURREY, CORP OF, C/O WEB ENG		03/16/73
V 80 (A)	136 & 134 STS. - 92 AVE	SURREY, CORP OF, C/O WEB ENG		03/16/73
V 80 (C)	136 & 134 STS. - 92 AVE	SURREY, CORP OF, C/O WEB ENG		03/16/73
V 80 (E)	136 & 134 STS. - 92 AVE	SURREY, CORP OF, C/O WEB ENG		03/16/73
V 80 (B)	136 & 134 STS. - 92 AVE	SURREY, CORP OF, C/O WEB ENG		03/16/73
V1005-1-9	E OF 232 ST W OF 56 AVE (LOT4)	TALL TIMBERS GOLF CLUB	24" CULVERT XING 30"	
V1006-1-9	E OF 232 ST W OF 56 AVE (LOT4)	TALL TIMBERS GOLF CLUB	24" CULVERT XING 12"	
V1007-1-9	E OF 232 ST W OF 56 AVE (LOT4)	TALL TIMBERS GOLF CLUB	24" CULVERT XING 30"	
V1008-1-9	E OF 232 ST W OF 56 AVE (LOT4)	TALL TIMBERS GOLF CLUB	24" CULVERT XING 12"	
V1009-1-9	E OF 232 ST W OF 56 AVE LOT 6	TALL TIMBERS GOLF CLUB	24" CULVERT XING 30"	
V1010-1-9	E OF 232 ST W OF 56 AVE	TALL TIMBERS GOLF CLUB	24" CULVERT XING 12"	
V1507.1.8A	23523 - 56 AVE	TALL TIMBERS GOLF CLUB	24" 42"	
V 385-1-99	KINGSWAY (12") PT. COQ.	TAMM ENGINEERING	TEMPORARY ROAD CROSSINGS	
V 392	1300 BLK. 56 ST.	TARQUIN INV. (CAMERON SURV. & ENG.)	15" SEWER	08/30/
V1415.1.32	72 AVE & 191 ST	TGK DEVELOPMENT	SEWER 18"	07/15/81
V1417.1.32	72 AVE & 191 ST	TGK DEVELOPMENT	VILL 18"	
V1538.1.32	72 AVE & 191 ST	TGK DEVELOPMENT	STREET LIGHT 18"	07/22/81
V1847	GLADWIN N OF MCCLURE	TGK DEVELOPMENT	SAN SEWER	04/12/84
V1855	GLADWIN & MCCLURE (X REF V1847)	TGK DEVELOPMENT	WATER SERVICE	04/12/84
V1856	GLADWIN & MCCLURE (X REF V1847)	TGK DEVELOPMENT	DRIVEWAY	04/12/84
V2075-1-1	SUMAS WAY, S. OF VYE	TGK DEVELOPMENT	WATER	12/13/83
V2075A-1-1	SUMAS WAY, S. OF VYE	TGK DEVELOPMENT	WATER	12/13/83
V2922-1-17	214A ST. S OF 96. AVE.	TGK DEVELOPMENT	WALKWAY & FENCE	07/13/84
V3076	GLADWIN RD NTH OF NELSON RD.	TGK DEVELOPMENT	WATER MAIN	06/ /85
V1555.1.31	68 & 197A ST	THOMSEN JEN	ROAD XING 18"	
V1556.1.31	68 & 197A ST	THOMSEN JEN	WATERMAIN 18"	10/14/81
V1396.1.23	182A ST S OF 96 AVE	THOMSON JEN	WATERMAIN 30"	07/30/81
V1423.1.18	205A ST & 205B ST S OF 96TH	THOMSON JEN	GRADING	08/19/81
V1424.1.18	205A ST & 205B ST S OF 96TH	THOMSON JEN	TEMP EQUIP XING	-

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V1571.1.31	68 AVE & 197A ST	THOMSON JEN	CONCRETE SLABS 18"	10/14/81
V1589.1.31	68 AVE E OF 197A ST	THOMSON JEN	DITCH 6"	
V 314-1-43	128 ST. & 100 AVE	THOMSON SURVEYS C/O KER PRIESTMAN	4" DRAIN TILE	
V 660	208 ST. & 52 A AVE., LANG.	THOMSON, STREIT	WATER MAIN	04/25/78
V1081-1-8	488 AVE., E. OF 246A ST.	THOMSON, STREIT	ROADWAY 30" MTP	02/12/80
V1082-1-8	488 AVE., E. OF 246A ST.	THOMSON, STREIT	ROADWAY 42" M.T.P.	02/12/80
V1083-1-8	488 AVE., E. OF 246A ST.	THOMSON, STREIT	DITCH C/S 30" M.T.P.	02/12/80
V1084-1-8	488 AVE., E. OF 246A ST.	THOMSON, STREIT	DITCH C/S 42" M.T.P.	02/12/80
V1085-1-8	488 AVE., E. OF 246A ST.	THOMSON, STREIT	DITCH W/S 30" M.T.P.	02/12/80
V1086-1.8	488 AVE., E. OF 246A ST.	THOMSON, STREIT	DITCH W/S 42" T.I.P	02/12/80
V1363.1.18	96 AVE E OF 204 ST	THOMSON, STREIT	GRADING 30"	07/13/81
V 484	208 ST. S. OF DOUGLAS CR.	THOMSON, STREIT & JENSEN	6" WATER MAIN	06/23/
V 535	47 AVE & 208 ST.	THOMSON, STREIT & JENSEN	6" WATER MAIN	08/03/77
V 581-1-14	89B AVE.	THOMSON, STREIT & JENSEN	STREET LIGHTING ACROSS 12"	
V 582-1-14	89B AVE.	THOMSON, STREIT & JENSEN	STREET LIGHTING ACROSS 30"	
V 22-1-3	31560 MARSHALL ROAD	TOEWS, A	U/G ELECTRICAL CABLE	
V 445-1-103	COMO LAKE ROAD AT SHARP ST.	TOMASIC ENGINEERING	8" SANITARY	04/07/77
V 446-1-103	COMO LAKE ROAD AT SHARP ST.	TOMASIC ENGINEERING	24" STORM	04/07/
V 28-1-47	14251 GLADSTONE	TRARUP, H	PLASTIC PUMP LINE	
V3285-1-98	M. HILL BYPASS & TRENTON P.C	UMA ENGINEERING	800MM WATER PIPELINE	03/09/87
V1793.1.103	COMO LAKE & LOUGHEED	UNDERWOOD	SEWER 12 MTP	
V1794.1.103	COMO LAKE & LOUGHEED	UNDERWOOD	WATER 12 MTP	
V1795.1.103	COMO LAKE & LOUGHEED	UNDERWOOD	ROAD 12 MTP	
V1002	280 ST S OF 96 AVE M R	UNDERWOOD MCLELLAN 1977	ROAD RECONSTRUCTION	
V1003	280 ST S OF 96 AVE M R	UNDERWOOD MCLELLAN 1977	CONCRETE STORM SEWER	
V1004	280 ST S OF 96 AVE M R	UNDERWOOD MCLELLAN 1977	CONCRETE STORM SEWER	
V2048-1-59	8488-109 B STR. DELTA	UNITY CONSTRUCTION	STORM SEWER	09/23/83
V2049-1-59	8488-109 B STR. DELTA	UNITY CONSTRUCTION	SAN. SEWER	09/23/83
V2050-1-59	8488-109 B STR. DELTA	UNITY CONSTRUCTION	WATER	09/23/83
V 952-1-27	22996 - 56 AVENUE LANGLEY	VALLEY FARM DRAINAGE-WHONNOCK	4" BIG "O" DRAIN TILE CROSSING OF 18" MTP	
V 953-1-27	22996 - 56 AVENUE LANGLEY	VALLEY FARM DRAINAGE-WHONNOCK	4" BIG "O" DRAIN TILE CROSSING OF 18" MTP	
V 954-1-27	22996 - 56 AVENUE LANGLEY	VALLEY FARM DRAINAGE-WHONNOCK	4" BIG "O" DRAIN TILE CROSSING OF 18" MTP	
V 955-1-27	22996 - 56 AVENUE LANGLEY	VALLEY FARM DRAINAGE-WHONNOCK	4" BIG "O" DRAIN TILE CROSSING OF 18" MTP	
V 956-1-27	22996 - 56 AVENUE, LANGLEY	VALLEY FARM DRAINAGE-WHONNOCK	4" BIG "O" DRAIN TILE CROSSING OF 18" MTP	
V 957-1-27	22996 - 56 AVENUE, LANGLEY	VALLEY FARM DRAINAGE-WHONNOCK	4" BIG "O" DRAIN TILE CROSSING OF 18" MTP	
V 958-1-27	22996 - 56 AVENUE, LANGLEY	VALLEY FARM DRAINAGE-WHONNOCK	4" BIG "O" DRAIN TILE CROSSING OF 18" MTP	
V 785-1-76	LOT 23 MAYFAIR IND. PARK N. OF VAN BOURNE MANAGEMENT LEEDER AVENUE		LAND FILL	09/13/78
V 334-1-57	123 ST. & 85A AVE	VAN BOURNE MANAGEMENT (APLIN & 10" WATER MAIN MARTIN		03/04/76

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V2015-1-31	6846 - 197B ST LANGLEY	VAN WERKHUERN	4" DRAIN (BIG "O")	09/14/83
V 132-1-68	BENSON ROAD, DELTA	VANCOUVER CITY LANDFILL SITE-DELTA	2 DRAINAGE DITCHES	10/09/73
V1104.1.99	KINGSWAY & MARY HILL	VANCOUVER REGIONAL DISTRICT	SEWER	05/28/80
V1936-1-67	3750'/1143M W OF BENSON GATE DELTA	VANCOUVER REGIONAL DISTRICT	TEMP PIPELINE CROSS	12/02/82
V3071-1-46	N OF 116A ST. W OF 144A AVE	VANCOUVER REGIONAL DISTRICT	SEWER 12" MTP	04/02/85
V3581-1-55	89 AVE E OF 126 ST	VANCOUVER REGIONAL DISTRICT	42" WATER	06/06/88
V3582-1-55	89 AVE E OF 126 ST	VANCOUVER REGIONAL DISTRICT	42" WATER	06/06/88
V3583-1-54	S OF ROEBUCK STN.	VANCOUVER REGIONAL DISTRICT	42" WATER	
V3584-1-54	E OF ROEBUCK STN - 132 ST	VANCOUVER REGIONAL DISTRICT	42" WATER	
V3585-1-52	S OF NICHOL STN.	VANCOUVER REGIONAL DISTRICT	42" WATER	
V3592-1-54	S OF ROEBUCK STN	VANCOUVER REGIONAL DISTRICT	TEMP XING 18"	
V3593-1-52	S OF NICHOL STN	VANCOUVER REGIONAL DISTRICT	TEMP XING 24"	
V 48-1-79	S. OF D.R. RD-W. OF BOND, COQ	VANCOUVER SEWER & DRAINAGE	SEWER	09/22/72
V 60-1-44	S. OF 103, E. OF 122	VANCOUVER SEWER & DRAINAGE	SEWER INTERCEPTOR	
V 101-1-46	E. OF PORT MANN POWER STN.	VANCOUVER SEWER & DRAINAGE	INTERCEPTOR SEWER	11/27/73
V 102-1-46	E. OF PORT MANN POWER STN.	VANCOUVER SEWER & DRAINAGE	SEWER	
V 187-1-62	BURLINGTON NORTHER R.R. S. OF 80 AVE, E. OF 104 ST.	VANCOUVER SEWER & DRAINAGE		07/19/74
V 220-1-100	KINGSWAY & MCLEAN	VANCOUVER SEWER & DRAINAGE	18" TRUNK SERVICE	06/23/75
V 366-1-77	S. OF 80 AVE., W. OF 155 ST.	VANCOUVER SEWER & DRAINAGE	8" SEWER	
V 367-1-34 35	S. OF FR. HWY., E. OF 168 ST.	VANCOUVER SEWER & DRAINAGE	48" SEWER	
V 378-1-23	184ST. S. OF 96	VANCOUVER SEWER & DRAINAGE	SANITARY SEWER	12/18/76
V 379	152 ST. N. OF 72	VANCOUVER SEWER & DRAINAGE	SANITARY SEWER	09/17/
V 534-1-103	COMO LAKE RD & LOUGHEED HWY	VANCOUVER SEWER & DRAINAGE	18" SANITARY SEWER	11/01/77
V1075-1-99	KINGSWAY W OF PROPOSED HWY	VANCOUVER SEWER & DRAINAGE	SAN SEWER 12" MTP	
V1120.1.99	KINGSWAY AVE @ ACCESS	VANCOUVER SEWER & DRAINAGE	600V EL SER TO PUMP ST	11/24/80
V1336.1.99	N OF KINGSWAY W OF HWY	VANCOUVER SEWER & DRAINAGE	11/2" STR SERV. 12"	
V 33	168 ST. AT 56 AVE.	VANCOUVER WATER DISTRICT	TRUNK SEWER	11/10/71
V 133-1-55 (A)	126 ST. AT 89 AVE	VANCOUVER WATER DISTRICT	12" D.I. WATER	09/25/73
V 133-1-55 (B)	88 AVE & 124 ST.	VANCOUVER WATER DISTRICT	12" D.I. WATER	09/25/73
V 134-1-25	152 ST. S. OF 96 AVE	VANCOUVER WATER DISTRICT	12" D.I. WATER	11/02/73
V 158-1-76		VANCOUVER WATER DISTRICT		
V 271	168 ST. & 64 AVE	VANCOUVER WATER DISTRICT	WATER MAIN	
V 304-1-34 35	FR. HWY E. OF 168 ST.	VANCOUVER WATER DISTRICT		
V 308-1-25	148ST. S. OF 96 AVE.	VANCOUVER WATER DISTRICT	36" STEEL WATER MAIN	12/11/75
V 310-1-50	104 AVE E. OF 140 ST.	VANCOUVER WATER DISTRICT	12" WATER MAIN	04/14/76
V 326-1-34 35	R/W E. OF 168 ST. & FR. HWY	VANCOUVER WATER DISTRICT	HOG FUEL ROAD	
V 327-1-25	148 ST. S. OF 96 AVE	VANCOUVER WATER DISTRICT	HOG FUEL ROAD	
V 341-1-31 32	192 ST. S. OF 72 AVE	VANCOUVER WATER DISTRICT	WATER MAIN	04/06/76
V 342-1-31 32	W. OF 192, S. OF 72	VANCOUVER WATER DISTRICT	B) WATER MAIN	
V 342-1-31 32	W. OF 192, S. OF 72	VANCOUVER WATER DISTRICT	A) RD XING	
V 342-1-32	W OF 192 ST S OF 72 AVE	VANCOUVER WATER DISTRICT	ROADWORK	
V 358	24 AVE E. OF 144 ST.	VANCOUVER WATER DISTRICT	30" WATER	
V 370-1-56 57	8500 BLK. 120TH ST.	VANCOUVER WATER DISTRICT	WATER MAIN	06/15/
V 393	168 ST. S. OF 78 AVE	VANCOUVER WATER DISTRICT	48" SEWER	11/26/

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V 399-1-80	EAGLE RIDGE DEV. R/W N. OF BARNET	VANCOUVER WATER DISTRICT	26" WATER MAIN	01/07/77
V 418-1-23	164 ST. S. OF 96 AVE.	VANCOUVER WATER DISTRICT	22" WATER	
V 532-1-88	D.T. RD. E. OF 227 ST.	VANCOUVER WATER DISTRICT	30" WATER	08/24/77
V 844-1-70	TILBURY ISLAND	VANCOUVER WATER DISTRICT	48" WATER MAIN (20")	
V 845-1-70	TILBURY ISLAND	VANCOUVER WATER DISTRICT	48" WATER MAIN (24")	
V 943-1-69	HOPCOTT RD & CPR R/W	VANCOUVER WATER DISTRICT	WATER MAIN - 8" MTP	09/28/79
V 944-1-70	BCHPA R/W & DYKE	VANCOUVER WATER DISTRICT	WATER MAIN - 24" MTP	
V 945-1-70	BCHPA R/W & DYKE	VANCOUVER WATER DISTRICT	WATER MAIN - 20" MTP	
V 946-1-70	BCHPA R/W & CNR	VANCOUVER WATER DISTRICT	WATER MAIN - 24" MTP	11/09/79
V 947-1-70	BCHPA R/W & CNR	VANCOUVER WATER DISTRICT	WATER MAIN - 20" MTP	11/09/79
V 983-1-69	HOPCOTT ROAD & CPR R/W	VANCOUVER WATER DISTRICT	WATERMAIN 12" MTP	09/28/79
V1015-305-4	HOPCOTT RD AND CNR R/W	VANCOUVER WATER DISTRICT	36" WTR MAIN 6" HT (225)	
V1113.1.77	HICKEY N. OF MATHEWSON	VANCOUVER WATER DISTRICT	48" WATER	05/07/80
V1121.1.77	HICKEY RD N OF MATHEWS	VANCOUVER WATER DISTRICT	TEMP. EG. XING 20" MTP	04/14/80
V1177.1.77	CAPE HORN RESERVOIR	VANCOUVER WATER DISTRICT	TEMP RD. XING	
V 780-1-66	BENSEN RD. N. OF LADNER TRUNK	VANCOUVER, CITY OF	DRAINAGE DITCH	
V 949-1-68	BENSON RD. N. OF #499 FR HWY	VANCOUVER, CITY OF	12" FORCE MAIN 12" MTP	
V2056-1-68	VANCOUVER CITY LANDFILL, DELTA	VANCOUVER, CITY OF	ROAD	04/09/84
V2057-1-68	VANCOUVER CITY LANDFILL, DELTA	VANCOUVER, CITY OF	CONCR. DUCT	02/23/84
V2058-1-68	VANCOUVER CITY LANDFILL, DELTA	VANCOUVER, CITY OF	LANDSCAPING	05/04/84
V2955-1-68	LANDFILL SITE ENT OFF BENSON RD, DELTA	VANCOUVER, CITY OF	1" PVC H2O SPRINKLER	
V2956-1-68	LANDFILL SITE ENT OFF BENSON RD, DELTA	VANCOUVER, CITY OF	1" PVC H2O SPRINKLER	
V3403-1-68	VANC LANDFILL - DELTA	VANCOUVER, CITY OF	SPRINKLER SYSTEM	10/11/86
V1909-1-26	9460-140 ST SURREY	VARIETY CLUB TREATMENT CENTER	PAVED FOOTPATH	11/07/82
V 39 (F)	CROSSING SULLIVAN PLACE	VECTOR ENGINEERING	10" STORM SEWER	01/21/71
V 39 (C)	E. OF 108 - S. OF SULLIVAN	VECTOR ENGINEERING	8" SANITARY SEWER	12/30/71
V 39 (G)	CROSSING SULLIVAN PLACE	VECTOR ENGINEERING	8" SANITARY SEWER	01/21/71
V 39 (D)	E. OF 108 - S. OF SULLIVAN	VECTOR ENGINEERING	6" STORM CONNECTION	12/30/71
V 39 (B)	108 ST. S. OF 85A AVE	VECTOR ENGINEERING	10" STORM SEWER	01/19/72
V 39 (A)	108 ST. S. OF 85A AVE	VECTOR ENGINEERING	6" DUCTILE WATER MAIN	01/19/72
V 39 (H)	CROSSING BROOKE ROAD	VECTOR ENGINEERING	10" STORM SEWER	02/16/72
V 39 (E)	CROSSING SULLIVAN PLACE	VECTOR ENGINEERING	6" DUCTILE WATER MAIN	02/ /72
V1280	6 AVE & ALDER ST.	VECTOR ENGINEERING	SEWER 8"	09/22/80
V1303.1.88	22712 D.T. RD.	VECTOR ENGINEERING	PARKING LOT XREF V1334	12/30/80
V1454.1.95	LOUGHEED & ANDERSON	VECTOR ENGINEERING	SEWER 12"	07/20/81
V1455.1.95	LOUGHEED & ANDERSON	VECTOR ENGINEERING	FILL 12"	07/20/81
V2987	168 ST BTW 56 AVE & 64 AVE STN 2 + 13	VECTOR ENGINEERING	CATCH BASIN	
V2988	168 ST BTW 56 AVE & 64 AVE STN 3 + 00	VECTOR ENGINEERING	CATCH BASIN	
V2989	168 ST BTW 56 AVE & 64 AVE STN 3 + 96	VECTOR ENGINEERING	CATCH BASIN	
V2990	168 ST BTW 56 AVE & 64 AVE STN 4 + 80	VECTOR ENGINEERING	CATCH BASIN	

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V2991	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 8 + 78		CATCH BASIN	
V2992	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 9 + 80		CATCH BASIN	
V2993	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 10 + 50		CATCH BASIN	
V2994	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 11 + 11.5		CATCH BASIN	
V2995	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 11 + 90		CATCH BASIN	
V2996	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 12 + 70		CATCH BASIN	
V2997	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 13 + 97.5		CATCH BASIN	
V2998	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 16 + 00		CATCH BASIN	
V2999	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 5 + 60		CULVERT 300MM	
V3000	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 8 + 61.937		CULVERT 375MM	
V3001	168 ST BTW 56 AVE & 64 AVE	VECTOR ENGINEERING	ROADWORK	
V3002	168 ST 57A	VECTOR ENGINEERING	ROADWORK	
V3003	168 ST 61 AVE	VECTOR ENGINEERING	ROADWORK	
V3004	63 AVE & 168 ST	VECTOR ENGINEERING	ROAD WORK	
V3005	168 ST & 61 AVE	VECTOR ENGINEERING	DITCHING	
V3024	168 ST @ 60 AVE	VECTOR ENGINEERING	ROAD WORK	02/28/85
V3360-1-92	LAITY & 121 ST. GLENWOOD PARK.	VECTOR ENGINEERING	WALKWAY	07/28/87
V3361-1-92	LAITY & 121ST (GLENWOOD PARK)	VECTOR ENGINEERING	GRADING	
V 122-1-44	10734 - 120 ST., SURREY	VEREMA, H	PLACING FILL OVER 18"	
V 122-1-44	10734 - 120TH STREET	VEREMA, H	FILL	
V 856-1-8	24427 - 50 AVENUE	W. REDEKOP	11/2" PL. WATER SERVICE - 30"	
V 857-1-8	24427 - 50 AVENUE	W. REDEKOP	11/2" PL. WATER SERVICE - 42"	
V 614-721	208 ST. & 56 AVE.	W.C. & T.	12" SEWER	
V1044-1-31	68 AVE & 200 ST., LANGLEY	W.C. & T.	750 MM STORM SEWER	08/07/80
V1072	272 ST S OF 40 AVENUE	W.C. & T.	SEWER	
V3195-1-20	S OF 96 AVE, W OF HARVEY RD.	W.K. INDUSTRIES	FILL	09/27/85
V3196-1-20	S OF 96 AVE, W OF HARVEY RD.	W.K. INDUSTRIES	STORM SEWER	09/27/85
V 113-1-89	W. OF 227 ST., N. OF BROWN RD.	WALENCO ENGINEERING	8" A.C. SAN. SEWER	
V 576-1-93	211 ST. & 121 AVE. MAPLE RIDGE	WALENCO ENGINEERING	ROAD	
V 577-1-93	211 ST. & 121 AVE. MAPLE RIDGE	WALENCO ENGINEERING	CURB	
V 578-1-93	211 ST. & 121 AVE. MAPLE RIDGE	WALENCO ENGINEERING	SIDEWALK	
V 579-1-93	211 ST. & 121 AVE. MAPLE RIDGE	WALENCO ENGINEERING	6" 420 PLASTIC REVISION 1	12/07/77
V3130-1-91	DOVER ST, N OF DEWDNEY TR	WALENCO ENGINEERING	200DIA PVC SANITARY	09/19/85
V3131-1-91	DOVER ST, N OF DEWDNEY TR	WALENCO ENGINEERING	WALKWAY	09/19/85
V3132-1-91	DOVER ST, N OF DEWDNEY TR	WALENCO ENGINEERING	PAVED DRIVEWAY	09/19/85
V3133-1-91	DOVER ST, N OF DEWDNEY TR	WALENCO ENGINEERING	20MM WATER SERVICE	09/19/85
V3134-1-91	DOVER ST, N OF DEWDNEY TR	WALENCO ENGINEERING	U/G DUCT-HYDRO & TEL	11/20/85

BC HYDRO AND POWER AUTHORITY
FRASER VALLEY GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V3200-1-91	DOVER ST N DEWDNEY TK RD	WALENCO ENGINEERING	250 PVC STM	09/19/85
V3259-1-87	BURNETTE ST N. NANEN BYPASS MAPLE RIDGE	WALENCO ENGINEERING	200MM SAN	03/10/86
V3291-1-87	S OF FISCHER ST N. RIDGE	WALENCO ENGINEERING	PARKING LOT, FILL	11/19/87
V3621	CEDAR AND 6TH	WALENCO ENGINEERING	STORM DRAIN	
V3202-1-18	20714-96 AVENUE	WALNUT GROVE HOUSING CO-OP	PAVING	03/26/87
V 268-1-85	23397 FISHERMAN	WESTERN DRUM RECYCLERS	1 1/4" GAS H/L	06/25/75
V 789-1-63	96 ST. S. OF RIVER RD.	WESTERN PEAT C/O CBA ENG.		
V1953-1-56A	8703-120TH STR. DELTA	WHITE SPOT	U/G POWER LINE	
V3025-1-84	9269 GLOVER RD.	WHONNOCK INDUSTRIES	STORM SEWER	02/07/85
V 166-1-11	72 AVE. E. OF 232 ST.	WILLIS CUNLIFFE	8" WATER	
V1080	GLOVER RD. & MUFFORD	WILLIS CUNLIFFE	SEWER 8" T.P.	04/28/80
V1236.1.43	128 & 100 AVE E/S	WILLIS CUNLIFFE	SIDEWALK 18" MTP	10/10/80
V1237.1.43	128 & 100 AVE W/S	WILLIS CUNLIFFE	SIDEWALK 18" MTP	10/10/80
V1275.1.31	S OF 68 AVE W OF 200	WILLIS CUNLIFFE	SAN SEWER 18"	01/12/81
V1276.1.31	S OF 68 AVE W OF 200	WILLIS CUNLIFFE	STORM SEWER 18"	01/12/81
V1277.1.31	S OF 68 AVE W OF 200	WILLIS CUNLIFFE	TEMP RD. 18"	12/ /80
V1278.1.31	S OF 68 AVE W OF 200	WILLIS CUNLIFFE	FILL 18"	12/ /80
V1323.1.17	213 ST S OF 96 AVE	WILLIS CUNLIFFE	STORM SEWER 30"	06/02/81
V1324.1.17	213 ST S OF 96 AVE	WILLIS CUNLIFFE	SAN SEWER 30"	06/02/81
V1325.1.17	213 ST S OF 96 AVE	WILLIS CUNLIFFE	WATER 30"	06/02/81
V1326.1.17	213 ST S OF 96 AVE	WILLIS CUNLIFFE	ROADWORK 30"	06/02/81
V1359.1.13	68 AVE W OF 200 ST	WILLIS CUNLIFFE	DITCHES 18"	06/05/81
V1360.1.31	68 AVE W OF 200 ST	WILLIS CUNLIFFE	WATER SERV 18"	
V1361.1.31	68 AVE W OF 200 ST	WILLIS CUNLIFFE	ROADWORK 18"	
V1362.1.31	68 AVE W OF 200 ST	WILLIS CUNLIFFE	SIDEWALK 18"	
V1451.1.17	210 ST S OF 96 AVE	WILLIS CUNLIFFE	WATERMAIN 30"	07/14/81
V1534.1.17	208 & 96	WILLIS CUNLIFFE	WATER 30"	09/25/81
V1535.1.17	208 & 96	WILLIS CUNLIFFE	STORM 30"	
V1536.1.17	208 & 96	WILLIS CUNLIFFE	SANITARY 30"	
V1976	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1977	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1978	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1979	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1980	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1981	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1982	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1983	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1984	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1985	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1986	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1987	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1988	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1989	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1990	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1991	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1992	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	

BC HYDRO AND POWER AUTHORITY
FRASER VALLEY GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V1993	LOUGHEED HWY	WILLIS CUNLIFFE	ELEC CONDUIT	
V1994	LOUGHEED HWY	WILLIS CUNLIFFE	ELEC CONDUIT	
V2084-1-51	100 AVE W OF 140 ST.	WILLIS CUNLIFFE	SIDEWALK	02/03/87
V 305-1-77	HICKEY RD N OF MATHENSON	WILLIS CUNLIFFE & TAIT	ROADWORK	
V 305-1-77	RD "B" @ HICKEY ST. - COQ.	WILLIS CUNLIFFE & TAIT	ROAD CONSTRUCTION	
V 357	RD. "A", COMO LAKE SPURAWAY & MARINER	WILLIS CUNLIFFE & TAIT	ROAD	
V 373-1-19	198 ST. S. OF 96 AVE	WILLIS CUNLIFFE & TAIT	STREET LIGHTING	
V 420 (A-D)	11A AVE & 52 ST.	WILLIS CUNLIFFE & TAIT	ROAD, CURB, SIDEWALK, SEWER	
V 502-1-54	132 ST. N. OF 90 AVE.	WILLIS CUNLIFFE & TAIT	ROAD CONSTRUCTION	
V 503-1-54	132 ST. N. OF 90 AVE.	WILLIS CUNLIFFE & TAIT	12" STORM SEWER	08/22/77
V 572-1-42	96 AVE. AND 132 STREET	WILLIS CUNLIFFE & TAIT	SIDEWALK CONSTRUCTION	09/22/77
V3021	51 ST & 10A AVE	WILLIS CUNLIFFE & TAIT	STORM SEWER X-ING	10/25/84
V3022	51 ST & 10A AVE	WILLIS CUNLIFFE & TAIT	SANITARY SEWER XING	10/24/84
V3043	51 ST & 10A AVE	WILLIS CUNLIFFE & TAIT	WATERMAIN XING	12/03/84
V3653-1-41	8717 - 132 ST	WIRE ROPE INDUSTRIES	PAVING	
V3086-1-65	7583 VANTAGE PLACE	WOLF/COATES	DRIVEWAY - 24"	04/11/85
V3087-1-65	7583 VANTAGE PLACE	WOLF/COATES	DRIVEWAY - 36"	04/11/85
V3086-1-65	7583 VANTAGE PLACE	WOLF/COATES	FENCE - 24"	04/11/85
V3089-1-65	7583 VANTAGE PLACE	WOLF/COATES	FENCE-36"	04/11/85
V3526-1-96	18540 - LOUGHEED HWY	WOODALL, R	1" PVC WATER SERVICE	09/11/87
V 306-1-44	12257/59 - 101 AVE	WOODWEST DEVELOPMENT	DRIVEWAY, WATER SERVICE, POWER LINE	
V3180-1-568	8698 SHEPARD WAY, DELTA	WOODWEST DEVELOPMENT MR.M.WOOD	HOUSE MOVING	
V 164-1-89	227 ST. & 121 AVE	YAMAUCHI, JOE	8" STORM	
V1189.1.31	19335 70 AVE.	ZABEL, MR.	18" TOPSOIL ADDITION 18"	06/08/81
V1238.1.31	19395 - 70 AVE.	ZACHARIAS, S	LANDFILL 18" NTP	
V1034-1-76	MAYFAIR INDUSTRIAL PARK COQ	ZENITH TRANSPORT	PAVED DRIVEWAY	12/12/79
V1036-1-76	MAYFAIR INDUSTRIAL PARL-COQ	ZENITH TRANSPORT	PAVED DRIVEWAY	
V3181	16685-63 AVE	ZIELINSKI, L	WATER SERVICE	04/28/87
V3182	16745-63 AVE	ZIELINSKI, L	WATER SERVICE	04/28/87
V 98-1-72	WESTMINSTER AVE - RICHMOND	ZYLMANS, W	15" CULVERT	

CONTRACTS

1. Lease dated January 27, 1983 between Gabriel Estates Ltd. and B.C. Hydro
2. All rights, benefits and agreements with respect to deficiencies as described in Disclosure Schedule 7
3. All crossing authorizations with third parties as described in Amended Disclosure Schedule 15.
4. Private Spur Rail Crossings:
 - (a) MacMillan Bloedel Limited
 - (b) Labatt Breweries of B.C. Ltd.
 - (c) Canron Ltd.
 - (d) New Westminster Industrial Park Ltd.

WPD-H/MG

DISCLOSURE SCHEDULE 6
[Mainland Gas]

CROSSING PERMISSIONS

As described in Part G of Disclosure Schedule 8.

WPD-H/MG(Hydro)

DISCLOSURE SCHEDULE 7
[Mainland Gas]

PAGE 1 - WORK IN HAND

DEFICIENCIES

<u>Legal Description</u>	<u>Project Or Location</u>	<u>Hydro Properties File Number</u>	<u>Rights Sought</u>	<u>Comments</u>
Lot 6, S $\frac{1}{2}$ Block 8, SE $\frac{1}{4}$, Sec. 32, Tp. 2, Plan 14741	Nichol Roebuck	449-1000.0(2)-26 and 2069 BCE	SRW for transmission pipeline	Wacker is the owner.
Lot 13, DL 135 Gp. 2, Plan 45616	Tilbury-LNG Plant Transmission Line	8553 BCH	Water Line SRW	B. C. Forest Products Ltd., rights for water line with gas RW to be acquired.
Vancouver Airport		411-1002.0(X165)	Distribution Gas Easement	Renewal of 10 year agreement \$1.00 per year.
Bed of Fraser River		BCH 601	Underwater Easement Fraser River	Lease renewal for 20 years \$152.00 per year. North Fraser River Harbour Commission.
Seymour Creek Indian Reserve		89 BF	Permit	Lands and rights exchange. Indian Band is prepared to recommend grant of permit as part of package whereby BC conveys fee to certain lands in exchange for right over gaps in major electrical transmission line Rv.
Lot 73-77 Section 25, Twp. 2 NWD Plan 70951	Langleys	4979 BCH	SPV for transmission pipeline	Registrar has transferred registration numbers over those and adjacent lots.
Lot 1 District Lot 118 Group 1 Plan 58624 NWD	Burnaby near Lochburn	2373 Lease	Lease for office purposes	Filjean Holdings Ltd. (Draft lease prepared by Hydro).
Lot 7, save and except the Northerly 200 feet thereof, being measured at right angles to the Northerly boundary of the said Lot 7, Lot 8, Lot 9, save and except the Northerly 500 feet thereof, being measured at right angles to the Northerly boundary of the said Lot 9, Lot 10, Lot 11, Lot 12, Lot 13, save and except the Northerly 300 feet thereof, being measured at right angles to the Northerly boundary of the said Lot 13, and	Delta	414-1000.0(9)-22	SRW for transmission pipeline	Elson, NE is the owner. Pending registration numbers have been received. Substantially complete.

DISCLOSURE SCHEDULE 7
(MAINLAND GAS)
DEFICIENCIES

<u>Legal Description</u>	<u>Project Or Location</u>	<u>Hydro Properties File Number</u>	<u>Rights Sought</u>	<u>Comments</u>
Lot 15, all of Lot 440, Group 2, Plan 11235, N.D. Lot A, Lot B, Lot C, Lot D, Lot E, Lot G and Lot I, District Lot 440, Group 2, N.W.D. as shown on a Reference Plan dated June 29, 1974 prepared by Allen H. Hiley, B.C.L.S. (Plan No. 77835)	Delta	414-1000.0(9)-22	SRW for transmission pipeline	Elsom, ND is the owner. Pending registration numbers have been received. Substantially complete.
Lot 6, except: part divided by Plan 3770, Lot 14 and Lot 16, District Lot 440, Group 2, N.D. Plan 11235, Parcel 27, (Ref. Plan 6200) of Parcel L, District Lot 440, Group 2, N.W.D., except: Firstly: Part subdivided by Plan 39748, Secondly: Part subdivided by Plan 37154, Thirdly: Part shown in Parcel L (Ref. Plan 37154), Fourthly: Part subdivided by Plan 37201, Lot H, District Lot 440, Group 2, N.W.D. as shown on a Reference Plan dated June 29, 1974 prepared by Allen H. Hiley, B.C.L.S. (Plan No. 77835)	Delta	414-1000.0(9)-23	SRW for transmission pipeline	Delson Estates Limited. Pending registration numbers have been received. Substantially complete.
Lot 112, District Lot 440, Group 2, N.W.D. Plan 39233		414-1000.0(9)-21A		White Chapel Estates Ltd. Pending registration numbers have been received. Substantially complete.
	Hope	401-1002.0(X27)		Rights presently unacquired - recent instructions - no unusual problems expected).
	North Vancouver (City)	405-1002.0(X46)		"
	Vancouver	406-1002.0(X30)		"
	Vancouver	406-1002.0(X31)		"
	Vancouver	406-1002.0(X34)-1		"

DISCLOSURE SCHEDULE 7
(MAINLAND GAS)
DEFICIENCIES

<u>Legal Description</u>	<u>Project Or Location</u>	<u>Hydro Properties File Number</u>	<u>Rights Sought</u>	<u>Comments</u>
	Vancouver	406-1002.0(X34)-2		Rights presently unacquired (recent instructions - no unusual problems expected).
	Vancouver	406-1002.0(X34)-3		"
	Vancouver	406-1002.0(X34)-4		"
	North Vancouver (Mun.)	407-1002.0(X179)		"
	North Vancouver (Mun.)	407-1002.0(174)-1		"
	West Vancouver	410-1002.0(X47)		"
	West Vancouver	410-1002.0(X96)		"
	Richmond	411-1002.0(X232)		"
	Richmond	411-1002.0(X254)		"
	Richmond	411-1002.0(X255)		"
	Richmond	411-1002.0(X256)		"
	Richmond	411-1002.0(X257)		"
	Richmond	411-1002.0(X258)		"
	Richmond	411-1002.0(X261)		"
	Richmond	411-1002.0(X263)		"
	Richmond	411-1002.0(X269)		"
	Richmond	411-1002.0(3)		"
	Richmond	411-1002.0(3)-1		"
	Richmond	411-1002.0(3)-5		"
	Richmond	411-1002.0(3)-6B		"
	Delta	412-1002.0(X124)		"

DISCLOSURE SCHEDULE 7
(MAINLAND GAS)
DEFICIENCIES

<u>Legal Description</u>	<u>Project Or Location</u>	<u>Hydro Properties File Number</u>	<u>Rights Sought</u>	<u>Comments</u>
	Delta	412-1002.0(X125)		Rights presently unacquired (recent instructions - no unusual problems expected).
	Delta	412-1002.0(X126)		"
	Delta	412-1002.0(X127)		"
	Delta	412-1002.0(X130)		"
	Delta	412-1002.0(79)-68		"
	Delta	412-1002.0(79)-87		"
	Surrey	414-1002.0(X237)		"
	Surrey	414-1002.0(X248)		"
	Surrey	414-1002.0(X260)		"
	Surrey	414-1002.0(X263)		"
	Surrey	414-1002.0(1)		"
	Surrey	414-1002.0(195)-2		"
	Surrey	414-1002.0(263)		"
	Pitt Meadows	415-1002.0(X18)		"
	Pitt Meadows	415-1002.0(X26)		"
	Burnaby	465-1002.0(X84)		"
	Burnaby	465-1002.0(X85)		"
	Port Moody	466-1002.0(X49)		"
	Langley	467-1002.0(X106)		"
	Langley	467-1002.0(X113)		"
	Langley	467-1002.0(X116)		"

DISCLOSURE SCHEDULE 7
(MAINLAND GAS)
DEFICIENCIES

<u>Legal Description</u>	<u>Project Or Location</u>	<u>Hydro Properties File Number</u>	<u>Rights Sought</u>	<u>Comments</u>
	Langley	467-1002.0(X119)		Rights presently unacquired (recent instructions - no unusual problems expected).
	Langley	467-1002.0(107)-1		"
	Langley	467-1002.0(X73)		"
	Maple Ridge	468-1002.0(X76)		"
	Maple Ridge	468-1002.0(X79)		"
	Maple Ridge	468-1002.0(X80)		"
	Matsqui	470-1002.0(X100)		"
	Matsqui	470-1002.0(X101)		"
	Abbotsford	472-1002.0(X53)		"
	Abbotsford	472-1002.0(X62)		"
	Abbotsford	472-1002.0(X75)		"
	Abbotsford	472-1002.0(X76)		"
	Abbotsford	472-1002.0(63)-1		"
	Abbotsford	472-1002.0(63)-2		"
	Abbotsford	472-1002.0(74)-4		"
	Abbotsford	472-1002.0(74)-5		"
	Chilliwack	474-1002.0(X108)		"
	Chilliwack	474-1002.0(X109)		"
	Chilliwack	474-1002.0(76)-1		"
	Chilliwack	474-1002.0(76)-3		"

negotiations with land owners and others directed to ensuring that land use or activities carried on within of way corridors are consistent with existing Hydro safety and engineering standards.

**DISCLOSURE SCHEDULE 7
(MAINLAND GAS)
DEFICIENCIES**

T II - DEFICIENCIES CAUSED BY OR DISCOVERED IN THE COURSE OF PRIVATIZATION

<u>Legal Description</u>	<u>Project Or Location</u>	<u>Properties File Number</u>	<u>Rights Sought</u>	<u>Comments</u>
Lot 161, SW¼ Section 32, Plan 2, Plan 48838, NWD	Livingstone-Roeback, Lanark Place, Surrey	467-1000.0(12)326 and 1605 BCE and 1711 BCE	SRW for transmission pipeline	Charge 211786C appears to be missing, being checked at LTO. (This charge may be for ancillary rights only)
Section 34 BAN RSW, Plan 1	Tilbury-Fraser, north of Westminster Hwy, west of No. 7 Rd, Richmond	412-1000.0(18)32 and 3105 BCE	SRW for transmission pipeline	RW charge 289700C incorrectly registered against W½ of Section 34, no charge against E½
Portion of Frac. Section 1 BSN R2W (Ref. Plan 773), Plan with Fee Deposited 2 35E, NWD	Port Mann-Coquitlam, south bank of Fraser River, Surrey	424-1000.0(3)3	SRW for transmission pipeline	Lot appears to be a rail right of way (south bank of Fraser River, Port Mann). No right of way registered, but may be covered by rail crossing permit.
Part (Explanatory Plan 846) of Section 16 BSN R1E, except Plan 2416, NWD	Haney-Coquitlam west bank of Pitt River, Port Coquitlam	468-1000.0(5)157	SRW or permit	Pitt River Dyke. No right of way registered.
Lot 5, SW¼ Section 3, Plan 11, Plan 49085, NWD	Huntingdon-Livingstone, west of 244th St., Municipality of Langley	472-1002.0(4)201 and 1348 BCE	SRW for distribution pipeline	Two charges should be registered, 202083C for transmission line and ancillary rights and 202883C for ancillary rights only. Only the latter is registered.
That part of Lot 3 of Section 17, Plan 16, Plan 5800, lying to the south of Plan 21337, NWD	Huntingdon-Livingstone, south of freeway, east of Clearbrook Rd., Municipality of Matsqui	472-1002.0(4)56 and 1476 BCE	SRW for distribution pipeline	Right of way charge was lost when the property was resumed by Ministry of Highways, by gazette
DL 153	Cassic Ave., North of Central Blvd. to Kingsborough, Bby.	465-1600.0(X23)	SRW or permit	Road closure, Gas distribution
Parcel Identifier 5-314-325 Lot 4, Lot 4, District Lot 2, Gp. 2 NWD, Plan 41701	Patullo Gate Station	BCE 3576	Access Easement	More practical access required over adjoining properties. Unmanned Gate Station
			R5339	LTO to investigate cancelled SRW. Suspect charge dropped in error
			493136C	LTO to investigate wrong charge number. Suspect transposition of numbers

<u>Description</u>	<u>Project Or Location</u>	<u>Properties File Number</u>	<u>Rights Sought</u>	<u>Comments</u>
			300729C	Current search required to confirm grantee is B. C. Hyatt
			211786C	Charge dropped in error, to be added to title AA95010E

DISCLOSURE SCHEDULE 7
(MAINLAND GAS)
DEFICIENCIES

T 111 - STATUTORY RIGHT OF WAY PLANS

<u>Legal Description</u>	<u>Project Or Location</u>	<u>Properties File Number</u>	<u>Comments</u>
Lot 57, NW $\frac{1}{4}$, Sec. 35, Tp. 2, Plan 60468, NWD	Fort Langley-Nichol, south of 96th Ave., in the vicinity of 154th St., Surrey	467-1000.0(9)220 3690 BCE 4067 BCE 4025 BCH	RW Plan affects lots by approximately 40 cm.; charges 302616C, 315275C, and 325489C are missing. Expect no relevance to works.
Lot 6 of Lot 4, Block P, NW $\frac{1}{4}$, Sec. 33, E.L., R2W, Plan 14954, NWD	Roebuck-Pattullo, on 129A St. north of 99th Ave., Surrey	414-1000.0(12) (see also 1293 BCE)	No right of way was ever acquired on this lot. RW Plan affects lot by approximately 2.6 cm. Expect no relevance to works.
Lot 317, NW $\frac{1}{4}$, Sec. 33, BSN, R2W, Plan 56146, NWD	Roebuck-Pattullo, on 129A St. north of 99th Ave., Surrey	414-1000.0(12) (see also 1293 BCE)	No right of way was ever acquired on this lot. RW Plan affects lot by approximately 15 cm. Expect no relevance to works.
Lot 35, SE $\frac{1}{4}$, Sec. 22, Tp. 13, Plan 20725, NWD	Huntingdon-Livingstone on Sun Valley Cresc., Municipality of Matsqui	472-1002.0(4) and 1324 BCE	No right of way was ever acquired on this lot. RW Plan affects lot by approximately 20 cm. Expect no relevance to works.
Lot 1 of the NE $\frac{1}{4}$ of the Sec. 16, Tp. 8, Plan 10156, NWD	Livingstone-Roebuck, west side of 192nd St., Surrey	467-1000.0(12)85 (see also 1777 BCE)	No right of way was ever acquired on this lot. RW Plan affects lot by approximately 40 cm. Expect no relevance to works.

DISCLOSURE SCHEDULE 7
(MAINLAND GAS)
DEFICIENCIES

IV - CROWN PROVINCIAL AND PROVINCIAL CROWN CORPORATIONS

<u>Legal Description</u>	<u>Project Or Location</u>	<u>Properties File Number</u>	<u>Rights Sought</u>	<u>Comments</u>
Lot 62, DL 437, Cp. 2, Plan 33920, NWD	Roebuck-Tilbury Gas Transmission Line: Annacis Island	414-1000.0(9)18A	SRW	Ministry of Highways to acquire rights from owner for Hydro as part of Annacis Island Bridge Project (Alex Fraser)
Lot 5, DL 437, Cp. 2, Plan 1180, NWD	Delta Gate Station and adjacent RW for Roebuck-Tilbury	414-1000.0(9)16	Fee and SRW	Transfer of title to station from Highways to Hydro in progress
Portion of Block A except: firstly part subdivided by Plan 72702, secondly part subdivided by Plan 1593, thirdly part subdivided by Plan 72701 Sec. 15, Tp. 39, R. 10, Plan 71962		487-1001.0(1)	Fee	Westwood Gate Station: acquisition from B.C.E.C., completion expected by 15 July
UCL being the bed of Keatsie Slough, NWD	Haney-Coquitlam, south side of Lougheed Highway, Pitt Meadows	(see WP38, WP39, WP40)	SRW	Unsurveyed Crown Land, being the bed of Keatsie Slough, NWD. No right of way was acquired over this Crown land (old matter, no action expected to be taken)
UCL being the bed of Coquitlam River, NWD	Haney-Coquitlam, west end of Bury St., Port Coquitlam	468-1000.0(5)188 WP22	SRW	Unsurveyed Crown Land, being the bed of the Coquitlam River, NWD. No electric or gas right of way was acquired over this Crown land

DISCLOSURE SCHEDULE 7
[Mainland Gas]

DEFICIENCIES

PART V - GENERAL

- (a) Deficiencies arising out of closure of roads on which there are gas works, particulars of which are unknown to Hydro;
- (b) Minor trespasses not otherwise described where Hydro has not obtained rights from third parties for installation of gas works;
- (c) There is no municipal operating agreement with the Corporation of the District of Richmond;
- (d) There may be deficiencies in the registration of interests in lands arising out of or resulting from errors in the appropriate Land Title Office.
- (e) There may be some crossings of third party works which do not have the necessary regulatory approvals;
- (f) Berms in the Nordel Way extension may exceed the permitted height;
- (g) Some meters may not meet current standards;
- (h) There may be circumstances where necessary permits under the Indian Act (Canada) have not been obtained with respect to services provided on lands within the jurisdiction of the Indian Act (Canada).
- (i) There may be third party trespasses or encroachments on lands owned, leased or otherwise held by Hydro.
- (j) There may be instances where there is a lack of compliance with current safety and engineering standards.

AMENDED

DISCLOSURE SCHEDULE 8
[Mainland Gas]
COMPUTER SOFTWARE

NOTE

B.C. Hydro commits to make copies of software used in the following systems available to Gas; except where a system utilizes proprietary software as a component of the overall system Gas will need to acquire their own license/permission to utilize that proprietary software.

1.0 CORPORATE SYSTEMS

1. Accounts Payable (HP3000)

- File Maintenance and Housekeeping
- Financial Information Act (Public Bodies)
- Invoice Entry, Update and Correction
- Invoice Voucher Cheques
- Interfaces to/from the IBM
- Master File Listings
- Menu Utilities
- Monthly Reports
- Oneshot Programs
- Payment Control Account
- Payment Requisitions
- Posting to Data Base
- Reimbursements (Travel Advances)
- Repeat Payment Authority
- Utilities
- Vendor Update

2. Business Management Systems

- Common Tables Facility
- Data Control Facility
- Executive Reporting
- Journal Voucher Capture System
- KPI Reporting
- Planning System
- Productivity Reporting System
- Report Delivery System (uses a number of proprietary software packages)
- Responsibility Reporting System
- Volume Capture System

3. Bank Reconciliation

4. Centrex
5. Computer Cross-charge (uses MICS)
6. Corporate Financial Model
7. Service Systems:
 - Field Service Order System
 - Gas Dispatch System
 - Gas Meter System
 - Industrial Classification Analysis
8. Residential and Commercial Energy Management (Energy Use)
 - Advisory Packages
 - Building Energy Audit System
 - Electric Plus Monitoring
 - Weather Data Maintenance
9. Goods and Services Received System
10. Materials Management System
 - Requirements Planning
 - Bill of Material System
 - Distribution Material Reservation System
 - Stock Reservation System
 - Inventory Management System
 - Material Handling (Warehouse Operating System)
 - Material Accounting
 - Material Accounting System
 - District Stores System
 - Catalogue System
 - Procurement
 - Procurement System
 - Equipment Rental System
 - Salvage and Disposal
11. Organizational Data Management System
12. Pay/Personnel
 - Addressograph System
 - Labour Relations Application
 - Library Periodicals System
 - Manpower Planning Application
 - Pay Data Management I
 - Pay Data Management II

- Pay System
 - Salary Time Input
 - Time Processing
 - Gross Pay
 - Pay Calculation
 - Interims
 - Post Pay
 - Output Records
- Pension Payments
- Pensioners/Payroll #3 System
- Personal Accident System
- Personnel System
- Salary Budgets Application

13. Plant Systems

- Annual Plant
- Fixed Asset Depreciation (uses Coopers/Lybrand 'Depreciation' package)
- Fixed Asset Reporting
- Plant Assessment and Taxation
- Plant Commitment
- Plant Expenditure
- Plant Inventory Reporting
- Plant Trial Balance

14. Properties

15. Public Bodies Act

16. Rates and Costs

17. Receivable Costing System

18. Salary Time System

19. Stock Usage System

20. Sundry Accounts Receivable System

21. Vehicle Usage System

22. Vehicle Management System

- Boom Vehicle Testing
- Trucking and Rental
- Vehicles (General Use)
- Vehicle Cost Distribution
- Vehicle Credit Cards
- Vehicle Fleetmaster

- Vehicle Gas and Oil
- Vehicle History
- Vehicle Inquiry
- Vehicle Lifetime
- Vehicle Mileage
- Vehicle Operating
- Vehicle Shop Repair

23. Wage Time System

24. Work Management Systems

- Non-stock Items
- Compatible Units
- Work Requesting
- Design
- Scheduling (crew build function)
- WRACS

2.0 GAS OPERATIONS' SYSTEMS

1. Distribution

- Costing Pilot (JCS)
- Gas Dispatch System (also listed under Customer Billing)
- Gas Work Standards
- Industrial Meter System
- MAINS (Intergraph PDP)
- PE Pipe System
- SRIS (Intergraph PDP)
- WORCS

2. Supply

- Customer Characteristics
- Forecasting
- Gas Meter System (also listed under Customer Billing)
- Historical Data
- Load Control - SCADA (Sentrol PDP 11/84)
- Marketing - Industrial Customers (IEMDS)
- Marketing - NOV
- Marketing Studies
- Nominations
- Peak Shaving
- Special Projects
- Weather

3. Engineering Design

- Integrated Systems Analysis Procedure
- Load Gather
- Network Analysis

4. Engineering Technical Services

- Foreign Utility Damage Reports
- Machine Shop Inventory (WANG Alliance)
- System Damage Reports

5. Other

- Drawing File Index (WANG Alliance)
- Library System (PC-XT)
- Word Processing
 - WPS (WANG Alliance)
 - DW4 (PC-XT)

3.0 SYSTEM SOFTWARE

- 1. Intergraph - Intergraph

AMENDED
DISCLOSURE SCHEDULE 8
[Mainland Gas]

DELAYED ASSETS

PART J - RIGHTS OF WAY

COMMON RIGHTS OF WAY (New Westminster)

Charge Numbers

1. 245384
2. 267973
3. 253027
4. 294080
5. S39577
6. W158732
7. 340744C

GAS RIGHTS OF WAY (Kamloops)

Charge Numbers

1. F4349
2. X78578
3. X78533
4. X137176

GAS RIGHTS OF WAY (New Westminster)

Charge Numbers

1. W101148
2. T41465
3. P120199
4. 202085
5. 202376
6. 205756
7. 229433
8. 229434
9. 237106
10. 302468
11. 310955
12. 356332
13. 356331
14. H71189
15. T58037
16. H26092

WPD-H/MG

AMENDED
DISCLOSURE SCHEDULE 8
[Mainland Gas]

DELAYED ASSETS

PART J - RIGHTS OF WAY (Cont'd)

GAS RIGHTS OF WAY (Vancouver)

Charge Numbers

1. GB13559

PART K - SUBSEQUENT ASSETS

RIGHTS OF WAY (New Westminster)

Charge Numbers

1. AB80980
2. AB80979
3. AB81036
4. AB81037
5. AB80983
6. AB80981
7. AB81479
8. AB129269
9. AB148867
10. AB135605
11. AB129441
12. AB129443
13. AB139748
14. AB126861
15. AB45795
16. AB108906
17. AB148868
18. AB163985

RIGHTS OF WAY (Vancouver)

Charge Numbers

1. GB61698
2. GB61699
3. GB76501
4. GB76503

DISCLOSURE SCHEDULE 8
(MAINLAND GAS)

DELAYED ASSETS

PART A - CENTRAL PARK CORRIDOR LICENCE

1. Central Park Corridor Licence

PART B - FRASER VALLEY RAIL CORRIDOR LICENCE

1. Fraser Valley Rail Corridor Licence

AMENDED
DISCLOSURE SCHEDULE 8
(MAINLAND GAS)
DELAYED ASSETS

PART C - GRANTED RIGHT OF WAY AGREEMENTS (ORDINARY)

<u>LEGAL DESCRIPTION</u>	<u>RIGHT OF WAY AREA</u>
1. Parcel Identifier: 007-436-173 Parcel "One" (Explanatory Plan 14652) Lot "A" Lot 12 South East Quarter Section 12 Township 2 New Westminster District Plan 1752 ID# 2932	The 162.7 sq. metre portion shown on Dwg 414-S7-C240 done by B. C. Forster, BCLS, on 30 June 1988
2. Parcel "J" (Reference Plan 15816) of Lot Two Hundred and Fifty-six (256) Group One (1) New Westminster District ID# 2402	The 0.4295 ha portion shown on Dwg 466-S7-D23 done by B. C. Forster, BCLS, on 4 July 1988
3. Lot Two Hundred and Nineteen (219) Group One (1) EXCEPT FIRSTLY: Part thereof on Reference Plan 4373 and SECONDLY: Lot One (1) Plan Eighteen Thousand Two Hundred and Seventy-nine (18279) thereof, New Westminster District ID# 2400	The 1.077 ha portion shown on Dwg 466-S7-D23 done by B. C. Forster, BCLS, on 4 July 1988
4. Parcel "D" (Reference Plan 12597) of Legal Subdivisions Eleven (11) and Fourteen (14) of Section Twenty-five (25) Township Three (3) Range Twenty-nine (29) West of the Sixth Meridian New Westminster District ID# 3688	The 501.5 sq. metre portion shown on Dwg 475A-S7-B1 done by B. C. Forster, BCLS, on 28 June 1988
5. Parcel Identifier: 000-913-600 Parcel "B" (Reference Plan 438) Section 16, Block 6, North Range 1 East New Westminster District ID# 2671	Blanket Right of Way over entire parcel for gas pipeline

LEGAL DESCRIPTION

RIGHT OF WAY AREA

-
- | | |
|--|--|
| 6. Parcel Identifier: 008-510-202
Lot Thirty-nine (39), Section Thirty (30),
Township Two (2), New Westminster District,
Plan 38495

ID# 2838 | Rights and works
restricted to Plan
(Note: If works are
within road allowance,
no SRW will be granted) |
|--|--|
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- | | |
|--|--|
| 7. Parcel Identifier: 008-510-229
Lot Forty-one (41), Section Thirty (30),
Township Two (2), New Westminster District,
Plan 38495

ID# 2840 | Rights and works
restricted to Plan
(Note: If works are
within road allowance,
no SRW will be granted) |
|--|--|
-
- | | |
|---|---|
| 8. Parcel Identifier: 004-493-214
Parcel "G" (Reference Plan 2096) District Lot 2
Group 2 Except: Firstly: Lot 3 District Lot 2
Group 2 Plan 2620, Secondly: Part shown on Plan 5719
Thirdly: Parcel "D" (Reference Plan 9662)
Fourthly: Part shown on Plan 22159
Fifthly: Part subdivided by Plan 41701,
New Westminster District

ID# 3078 | Survey required for
50 foot wide Right of
Way parallel to NE
property boundary |
|---|---|
-
- | | |
|---|---|
| 9. That portion of "Seymour Creek Indian Reserve
Number 2" included in Explanatory Plan 5296,
Group One (1), New Westminster District

ID# 1202 | Individual blanket
electric and gas
distribution over
whole parcel |
|---|---|
-
- | | |
|--|--|
| 10. Part (0.0320 hectares) of Lot Four Hundred
Ninety-seven (497), District Lot Four Hundred Forty
(440) Group Two (2), Plan 33134 shown outlined black
on Statutory Right of Way Plan 59631, New Westminster
District

ID# 2223 | Blanket gas Trans-
mission Line Right of
Way over whole parcel |
|--|--|
-
- | | |
|--|--|
| 11. Part (0.0320 hectares) of Lot Four Hundred Ninety-eight
(498), District Lot Four Hundred Forty (440), Group
Two (2), Plan 33134 shown outlined black on Statutory
Right of Way Plan 59631, New Westminster District

ID# 2225 | Blanket gas Trans-
mission Line Right of
Way over whole parcel |
|--|--|
-

<u>LEGAL DESCRIPTION</u>	<u>RIGHT OF WAY AREA</u>
12. Part (0.0321 hectares) of Lot Four Hundred Ninety-nine (499), District Lot Four Hundred Forty (440), Group Two (2), Plan 33134 shown outlined black on Statutory Right of Way Plan 59631, New Westminster District ID# 2227	Blanket gas Transmission Line Right of Way over whole parcel
13. Part (0.0322 hectares) of Lot Five Hundred (500), District Lot Four Hundred Forty (440), Group Two (2), Plan 33134 shown outlined black on Statutory Right of Way Plan 59631, New Westminster District ID# 2229	Blanket gas Transmission Line Right of Way over whole parcel
14. Lot Two (2) of part of Lot Four Hundred Forty (440), Group Two (2), Plan 7430, New Westminster District ID# 2284	That portion of the land within the heavy outline on Plan 59014
15. Parcel Identifier: 006-569-536 Lot Seven (7), Section Fifteen (15), Block Five (5) North, Range Five (5) West, New Westminster District, Plan 30940 ID# 2286	Blanket gas Transmission Line over whole parcel
16. Parcel Identifier: 003-576-825 Parcel "Twenty-five" ("25"), Section Seventeen (17), Block Six (6) North, Range One (1) East, New Westminster District, Reference Plan 65281 ID# 2330	Blanket gas Transmission Line over whole parcel
17. Part of Parcel One (1) (Reference Plan 5122) of Block "C" of District Lot Three Hundred Seventy-eight (378) Group One (1), Plan 3466 as shown on Right of Way Plan 46046, New Westminster District ID# 2334	Blanket gas Transmission Line Right of Way - rights restricted to works as constructed

LEGAL DESCRIPTION

RIGHT OF WAY AREA

- | | |
|---|---|
| 18. Parcel Identifier: 000-884-791
Lot Eighteen (18) Except:
Firstly: Part dedicated road on Plan 49119
Secondly: Part dedicated road on Plan 49602
Thirdly: Part dedicated road on Plan 50644
Fourthly: Part dedicated road on Plan 58045
Fifthly: Part within heavy black outline on
highway statutory right of way,
Plan 62990
District Lot Four Hundred Sixty-three (463),
Group One (1), New Westminster District,
Plan 10150

ID# 2385 | Blanket gas Trans-
mission Line Right of
Way over whole parcel |
| <hr/> | |
| 19. Parcel Identifier: 008-883-874
Lot Forty-two (42), District Lot Two Hundred
Thirty-eight (238), Group One (1),
New Westminster District, Plan 26539

ID# 2392 | Blanket gas Trans-
mission Line Right of
Way over whole parcel |
| <hr/> | |
| 20. Parcel Identifier: 008-883-882
Lot Forty-three (43), District Lot Two Hundred
Thirty-eight (238), Group One (1),
New Westminster District, Plan 26539

ID# 2394 | Blanket gas Trans-
mission Line Right of
Way over whole parcel |
| <hr/> | |
| 21. Lot "B" Block Six (6) of District Lot Two Hundred
Thirty-eight (238), Group One (1), Plan 2270,
New Westminster District

ID# 2395 | Blanket gas Trans-
mission Line Right of
Way - rights restricted
to works as constructed |
| <hr/> | |
| 22. Parcel Identifier: 009-258-485
Lot D Except: Part dedicated road on Plan 65477;
District Lot One Hundred Thirteen (113), Group One (1),
New Westminster District, Plan 22650

ID# 2418 | Blanket gas Trans-
mission Line Right of
Way - rights restricted
to works as constructed |

LEGAL DESCRIPTION

RIGHT OF WAY AREA

23. That portion of Section Thirteen (13), Township West of Township Thirty-nine (39) as shown outlined red on Plan 23961, New Westminster District

ID# 2427

Blanket gas Transmission Line Right of Way - rights restricted to works as constructed

24. Parts of Blocks Twelve (12) and Thirteen (13) of Section Seventeen (17), Block Six (6) North, Range One (1) East as shown marked Western Canada Power Company's right of way on Map Two Thousand Four Hundred and Sixteen (2416), in the District of New Westminster.

ID# 2516, 2518

Blanket Gas Transmission Line Right of Way over whole parcel

25. Two portions (Twenty-seven One Hundredths (0.27) of an acre more or less and Six One Hundredths (0.06) of an acre more or less respectively) of Lot Five (5) of Section Seventeen (17) Block Six (6) North, Range One (1) East, Map One Thousand and Thirty-three (1033)

Except those portions taken for Highway as shown on Plan 62344

All of the above portions being shown and outlined red on Sketch Six Thousand Nine Hundred and Fifty (6950), in the District of New Westminster.

ID# 2523

Blanket Gas Transmission Line Right of Way over whole parcel

26. Part (One Decimal Five Hundred Eighty-three (1.583) acres more or less) of Lot Sixteen (16)

Part (Four Hundred and Fifty-one One Thousandths (0.451) of an acre more or less) of Lot Fifteen (15)

Part (Four Hundred and Fifty-one One Thousandths (0.451) of an acre more or less) of Lot Fourteen (14)

Part (Seven One Hundredths (0.07) of an acre more or less of Lot Thirteen (13) of Lot Four Hundred and Sixty-three (463) of Group One (1), Map Eight Hundred and Ninety-seven "A" (897A)

Blanket Gas Transmission Line Right of Way over whole parcel

LEGAL DESCRIPTIONRIGHT OF WAY AREA

All of the above portions being shown outlined in red on Sketch Six Thousand Nine Hundred and Fifty (6950) in the District of New Westminster

ID# 2530, 2532, 2533, 2534

27. FIRSTLY Part (One decimal Eleven (1.11) acres more or less) of Lot Two Hundred Forty-six (246), Group One (1) as shown coloured red on Sketch Nine Hundred Sixty-two (962)
SECONDLY Part (One and One One Hundredths (1.01) acres more or less) of Lot Two Hundred Twenty-three (223), Group One (1) as shown coloured red on Sketch Three Hundred and Eleven (311) in the District of New Westminster.

Blanket Gas Transmission Line Right of Way over whole parcel

ID# 2684, 2686

28. Part (Two decimal Fifty-four (2.54) acres more or less) of a Twenty-two decimal Thirty-five (22.35) acre portion of Section Sixteen (16), Block Six (6) North, Range One (1) East as shown outlined in red on Sketch Six Thousand Five Hundred and Five (6505), in the District of New Westminster

Blanket gas Transmission Line Right of Way - rights restricted to works as constructed

ID# 2692

29. Parcel Identifier: 007-029-195
Lot Three Hundred (300), Section Thirty-one (31), Township Two (2), New Westminster District, Plan 43702

Blanket gas Transmission Line Right of Way - rights restricted to works as constructed

ID# 2845

30. Parcel Identifier: 009-995-846
Lot Seven (7), Section Twenty-one (21), Township Eight (8), New Westminster District Plan 14742

Blanket gas Transmission Line Right of Way over whole parcel

ID# 2861

LEGAL DESCRIPTIONRIGHT OF WAY AREA

- | | |
|--|---|
| 31. Parcel Identifier: 010-246-983
Lot Five (5), Section Thirty-two (32),
Township Two (2), New Westminster
District, Plan 17071

ID# 2892 | Blanket gas Trans-
mission Line Right of
Way - rights restricted
to works as constructed |
| 32. Parcel Identifier: 010-247-009
Lot Six (6), Section Thirty-two (32),
Township Two (2), New Westminster
District, Plan 17071

ID# 2894 | Blanket gas Trans-
mission Line Right of
Way - rights restricted
to works as constructed |
| 33. Parcel Identifier: 010-247-025
Lot 7 Section 32 Township 2 New Westminster
District Plan 17071

ID# 2895 | Blanket gas Trans-
mission Line Right of
Way - rights restricted
to works as constructed |
| 34. Parcel Identifier: 010-247-033
Lot Eight (8), Section Thirty-two (32),
Township Two (2), New Westminster
District, Plan 17071

ID# 2896 | Blanket gas Trans-
mission Line Right of
Way - rights restricted
to works as constructed |
| 35. Parcel Identifier: 010-247-050
Lot Nine (9), Section Thirty-two (32),
Township Two (2), New Westminster
District, Plan 17071

ID# 2897 | Blanket gas Trans-
mission Line Right of
Way - rights restricted
to works as constructed |
| 36. Parcel Identifier: 010-345-809
Lot 8 Section 33 Township 2 New Westminster
District Plan 18029

ID# 2957 | Blanket gas Trans-
mission Line Right of
Way - rights restricted
to works as constructed |

LEGAL DESCRIPTIONRIGHT OF WAY AREA

-
37. Parcel Identifier: 004-493-095
Parcel "A" (Reference Plan 4050) of the
East Half District Lot Two (2), Group
Two (2), Except part on Plan 5719,
New Westminster District

ID# 3076
-
38. Parcel One (1) (Reference Plan 15786)
of Parcel "K" of Lot Seventy-nine (79),
Group Two (2), New Westminster District

ID# 3365
-
39. Parcel Identifier: 002-015-145
Parcel "D" (Plan with fee deposited
25298E) District Lot Two Hundred
Twenty-four (224), Group One (1)
Except: Firstly: Part subdivided
by Plan 23676 and Secondly: Part
dedicated road on Plan 70140,
New Westminster District

ID# 10274
-
40. Lot 20 Block 3 of District Lots 3
and 4 Group 2 Plan 886 New Westminster District

ID# 3109
-
41. Parcel Identifier: 009-057-692
Parcel "J" (Statutory Right of Way Plan 22159)
Section 30 Block 5 North Range 2, New
Westminster District

ID# 2972
-
42. Parcel Identifier: 009-057-625
Parcel "C" (Statutory Right of Way Plan 22159)
Section 30 Township 2, New Westminster District

ID# 2980
-

LEGAL DESCRIPTION

RIGHT OF WAY AREA

43. Parcel Identifier: 009-058-524
Parcel "D" (Statutory Right of Way Plan 22161)
District Lots 21 and 22 Group 2 Except:
Parcel "A" (Bylaw Plan 65402), New Westminster
District

ID# 3379
-
44. Parcel Identifier: 009-058-575
Parcel "F" (Statutory Right of Way Plan 22161)
Section 21 Township 11, New Westminster District

ID# 3385
-
45. Parcel Identifier: 009-061-398
Parcel "A" (Statutory Right of Way Plan 22164)
Section 2 Township 16 Except:
Parcel "H" (Statutory Right of Way Plan 22164),
New Westminster District

ID# 3447
-
46. Parcel Identifier: 009-061-541
Parcel "C" (Statutory Right of Way Plan 22164)
Section 1 Township 16, New Westminster District.

ID# 3451
-

47. Parcel Identifier: 003-469-280

That portion of the remainder of Lot 527 Section 20, Township 17, N.W.D. District Plan 64400, 6 meters perpendicularly distant from the south boundary of such remainder extending from the subdivided portion as described in Amended Disclosure Schedule 8, Part E, p. 5, Item 3.

DISCLOSURE SCHEDULE 8
(MAINLAND GAS)
DELAYED ASSETS

PART D - LEASES

<u>LEGAL DESCRIPTION</u>	<u>LEASE AREA</u>
1. Parcel "D" (Reference Plan 8836) of Lot Two Hundred and Sixty-seven (267) Group Two (2) New Westminster District ID# 3756	Part 669 sq. metres more or less as shown on attached drawing.
2. Parcel One (1) (Reference Plan 4734) of Seymour Creek Indian Reserve No. 2 Group One (1) New Westminster District ID# 1150	Part 590 sq. meters more or less as shown on attached drawing.
3. Parcel Identifier: 009-135-146 Lot 1 Block E District Lot 264 Plan 11164 ID# 1293	Part 1031 sq. metres more or as less as shown on attached drawing.
4. Lots Ten (10), Eleven (11) and Twelve (12) EXCEPT the west Seven (7) feet, of each of said lots, now road, Blocks Two (2), Three (3) and Four (4), District Lot Six Hundred and Sixty-six (666), Group One (1), N.W.D. Plan 2711 ID# 1546, 1548, 1549	Part 1005 sq. metres more or less as shown on attached drawing.
5. Block 625 (Explanatory Plan 854), except part included in Reference Plan 7721 District Lot 526 ID# 1591	Part 1860 sq. metres more or less as shown on attached drawing.

LEGAL DESCRIPTION

LEASE AREA

6. The Southerly Three Hundred (300) feet
(Explanatory Plan 14428) of the Westerly
Half of Lot Nine (9) of Section Nine (9)
Block Four (4) North Range Six (6)
West Plan Three Hundred and Two (302)
New Westminster District

Part 1130 sq. metres
more or less as shown on
attached drawing.

ID# 2253

7. Those applicable portions of:

- (a) Parcel Identifier: 001-828-991
That Portion District Lot 118 Group 1 shown marked
Vancouver, Fraser Valley and Southern Railway on
Plan 3067 Except:
Firstly: Part on Reference Plan 60956 and
Secondly: Part Lying within Statutory Right of Way
Plan 69655

Lease over area shown on
attached sketch to be
granted for pipe storage.
Market rates with six
months notice by Hydro
to terminate will apply.

ID# 10469

- (b) BLOCK "L" of Lot One Hundred and Eighteen (118)
Group One (1) Plan Three Thousand and Sixty-seven
(3067) SAVE AND EXCEPT Part shown on Plan
Four Thousand Nine Hundred and Fifty-seven
(4957) AND SAVE AND EXCEPT Parcel One (1)
(Explanatory Plan 12331) New Westminster District

ID# 2031

- (c) Parcel Two (2) (Explanatory Plan 10699) of
BLOCK "K" of Lot One Hundred and Eighteen (118)
Group One (1) Plan Three Thousand and Sixty-seven
(3067) New Westminster District

ID# 2029

- (d) Parcel Identifier: 001-719-572
BLOCK "K" Except:
Firstly: Part shown outlined Red on Plan 4957 and
Secondly: Part lying within Statutory Right of Way
Plan 69655, District Lot 118 Group 1 New Westminster
District Plan 3067

ID# 2027

LEGAL DESCRIPTION

LEASE AREA

(e) Parcel Identifier: 009-743-341
Lot "C" District Lot 117 Group 1 New Westminster
District Plan 12844

ID# 2024

(f) Parcel Identifier: 010-344-632
BLOCK "J" District Lot 117 Group 1 New Westminster
District Plan 18036

ID# 2022

FORD ST.



LOT 8

PLAN

1377

LOT 9

FORD ST. TEAM TRACK

PARCEL "D" (REF. PLAN 8836)
LOT 267
GROUP 2

LOT "D"

PRIVATIZATION
OF GAS OPERATIONS
PARCELS LEASED
TO GAS-ID 3756

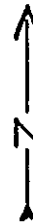
BCH+PA RAILWAY R/W

24.38 ±

SARDIS
MUSTER
STATION

668.9 SQ. M
(APPROX.)

27.43 ±



KEITH

ROAD

ACCESS ROAD

24.5

WALTERS
GAS
MUSTER
STATION

24.3

AREA:

590.5 SQ. M ±

PARCEL 1 (REF. PLAN 4734)
SEYMOUR CREEK INDIAN
RESERVE N° 2

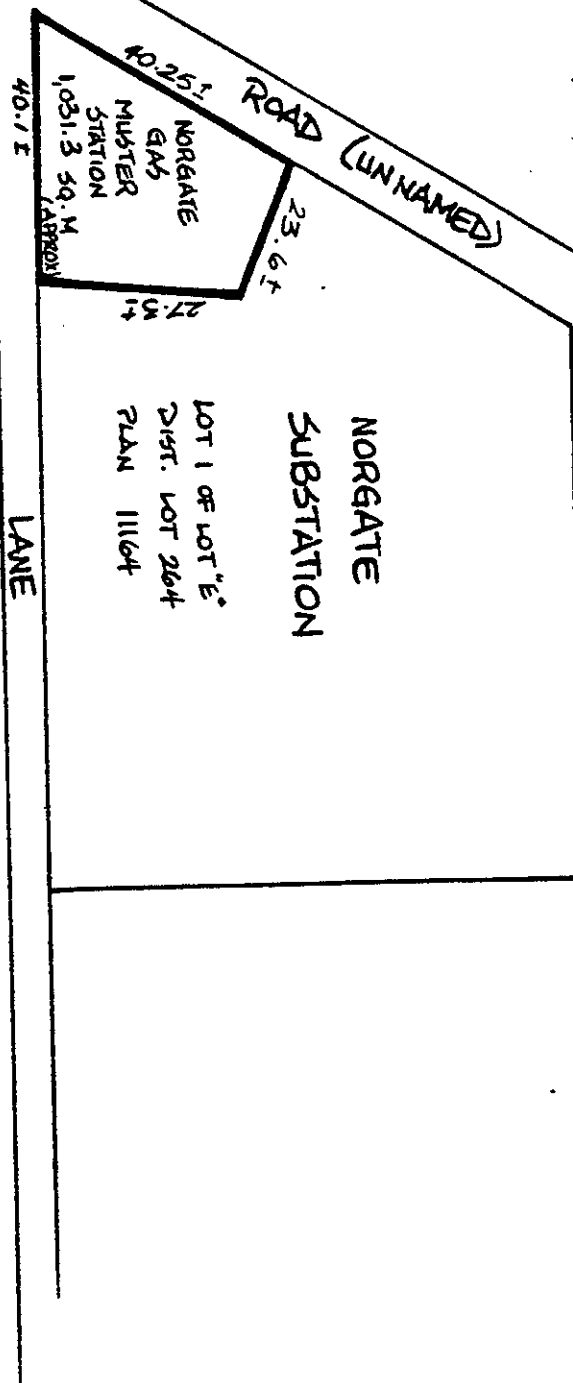
WALTERS

SUBSTATION

UPPER
LEVEL
HIGHWAY

PRIVATIZATION OF GAS OPERATIONS
PARCELS LEASED TO GAS.
- ID 1150

0 25 50
METRES



PRIVATIZATION OF GAS OPERATIONS
PARCELS LEASED TO GAS.
- ID 1293
SCALE 1:1000 (APPROX.)

LOT 10, 11 & 12
BLOCKS 2, 3 & 4
DIST. LOT 666
GP 1
PLAN 2711

FRASER ST.

31.77

31.64

FRASER STREET

GAS

MUSTER STATION
1,005 SQ. M ±



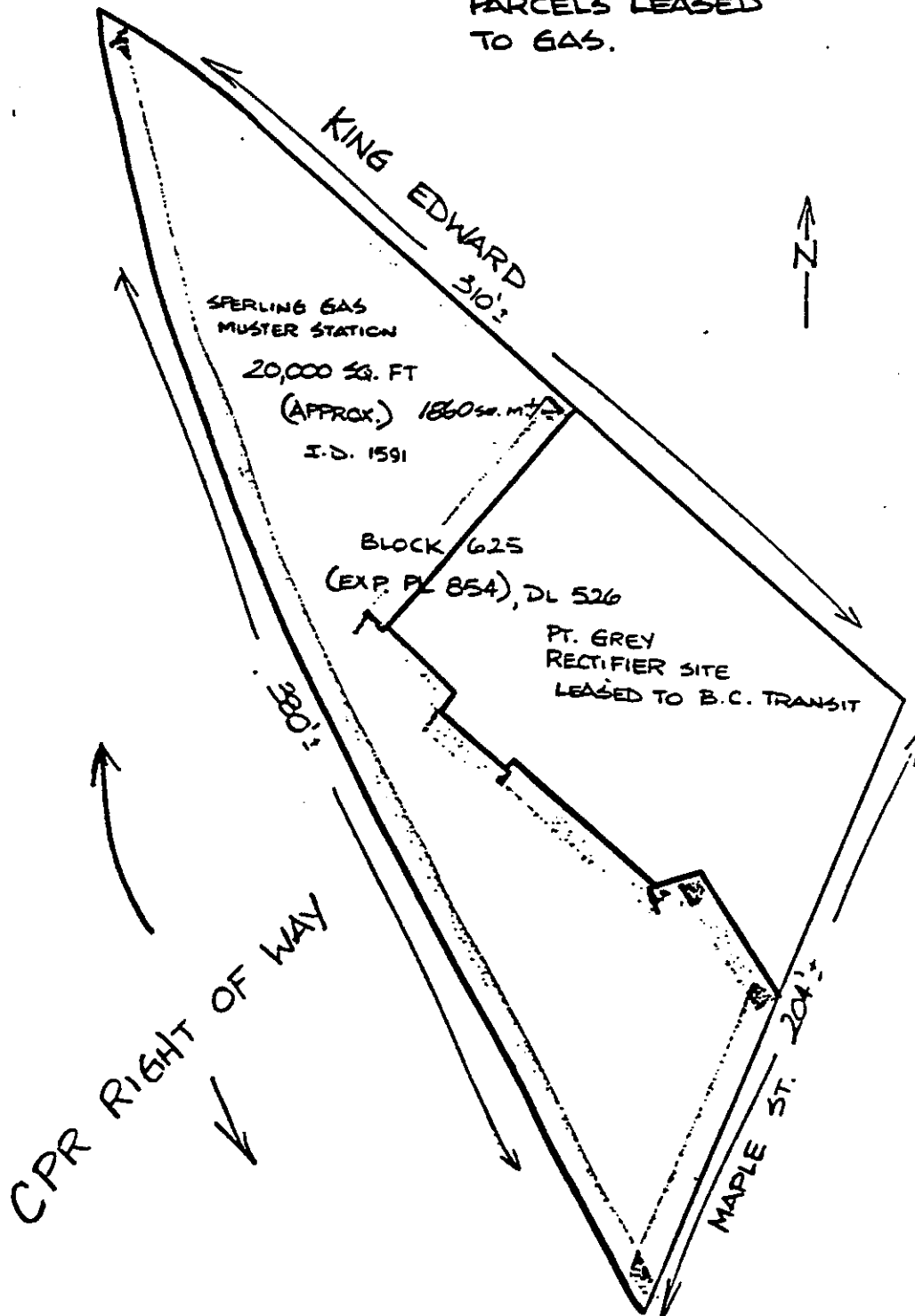
PRIVATIZATION
OF GAS
OPERATIONS
PARCELS
LEASED TO GAS.
- ID 1546

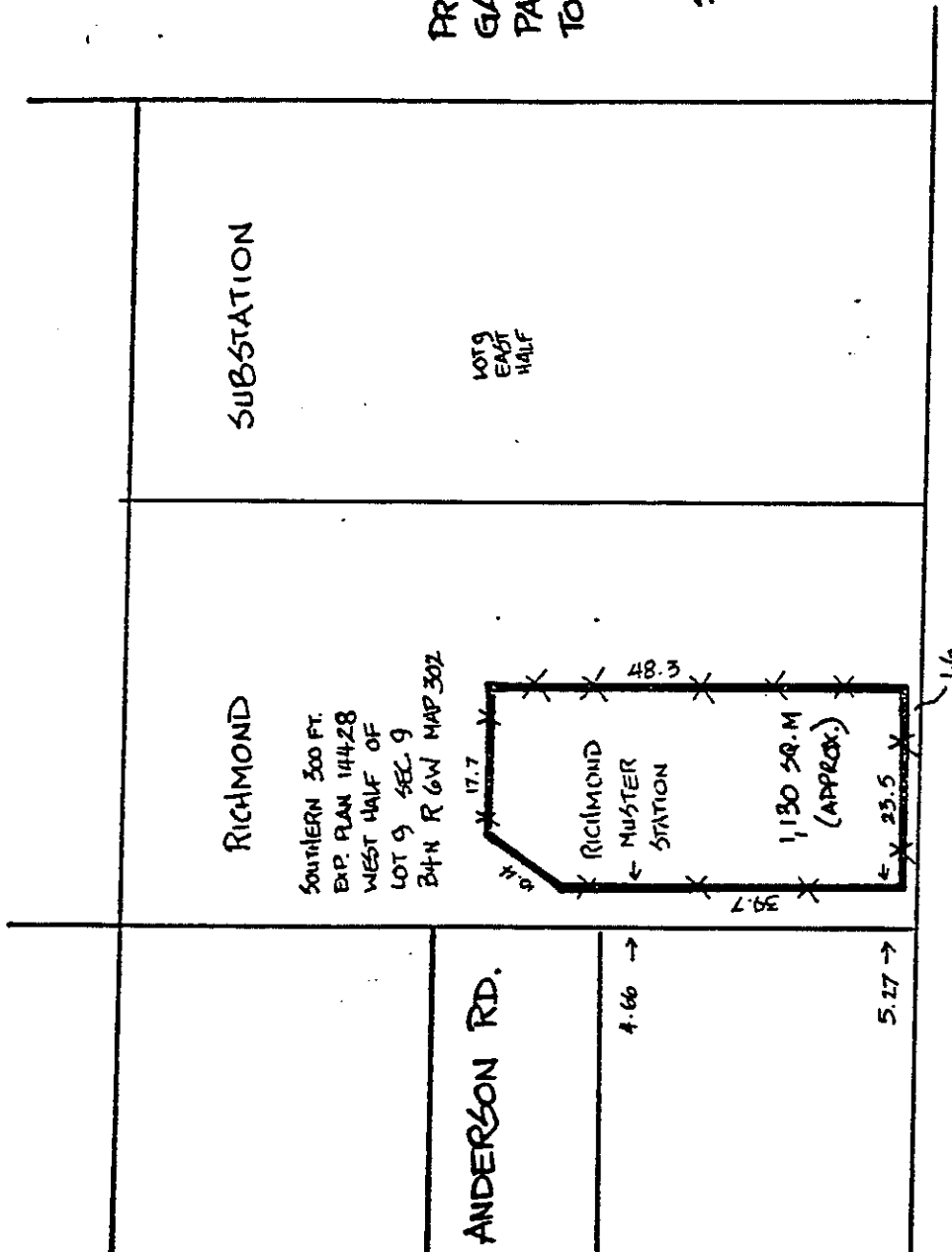
SCALE 1:1000
(APPROX.)

41^{ST.} AVE. E.

PRNATIZATION OF
GAS OPERATIONS
PARCELS LEASED
TO GAS.

ARBUTUS ST.





PRIVATIZATION OF
GAS OPERATIONS
PARCELS LEASED
TO GAS. - ID. 2253

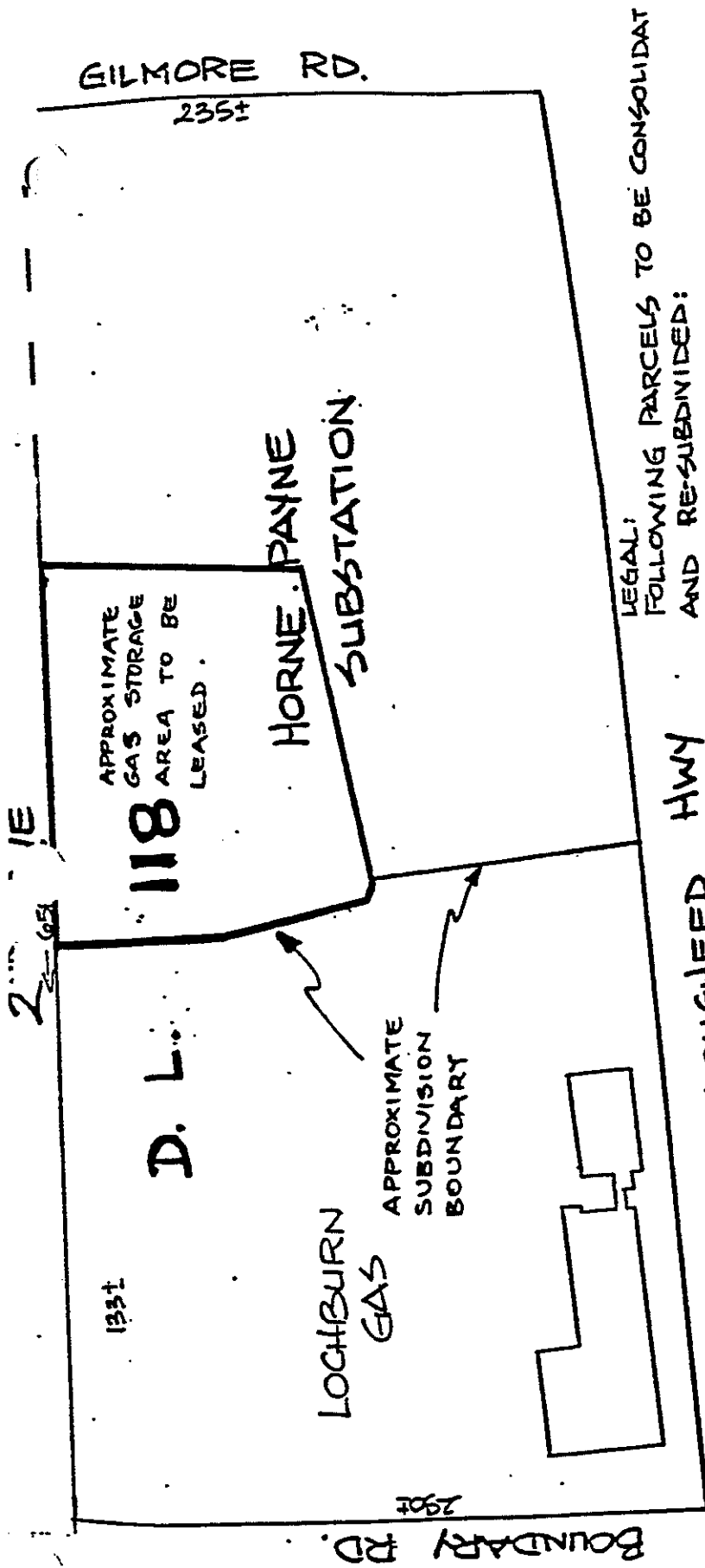
SCALE 1:1000
(APPROX.)

GRANVILLE AVE.

ANDERSON RD.

4.66 →

5.17 →



LEGAL DESCRIPTION

RIGHT OF WAY AREA

- | | |
|--|--|
| 43. Parcel Identifier: 009-058-524
Parcel "D" (Statutory Right of Way Plan 22161)
District Lots 21 and 22 Group 2 Except:
Parcel "A" (Bylaw Plan 65402), New Westminster
District

ID# 3379 | Rights and works
restricted to surveyed
plan |
| <hr/> | |
| 44. Parcel Identifier: 009-058-575
Parcel "F" (Statutory Right of Way Plan 22161)
Section 21 Township 11, New Westminster District

ID# 3385 | Rights and works
restricted to surveyed
plan |
| <hr/> | |
| 45. Parcel Identifier: 009-061-398
Parcel "A" (Statutory Right of Way Plan 22164)
Section 2 Township 16 Except:
Parcel "H" (Statutory Right of Way Plan 22164),
New Westminster District

ID# 3447 | Rights and works
restricted to surveyed
plan |
| <hr/> | |
| 46. Parcel Identifier: 009-061-541
Parcel "C" (Statutory Right of Way Plan 22164)
Section 1 Township 16, New Westminster District.

ID# 3451 | Rights and works
restricted to surveyed
plan |
| <hr/> | |

60

AVENUE

15'

03°

680.271

OCM 5078

2540

28° 03' 28"

PLAN 6342

BAPNT

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28.010

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EXPLANATORY

PLAN

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STREET

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REM A

PLAN 1752

OIP

I, B.C. FORSTER, A BRITISH COLUMBIA LAND SURVEYOR, OF WHITE ROCK, IN BRITISH COLUMBIA, CERTIFY THAT I WAS PRESENT AT AND PERSONALLY SUPERINTENDED THE SURVEY REPRESENTED BY THIS PLAN, AND THAT THE SURVEY AND PLAN ARE CORRECT. THE SURVEY WAS COMPLETED ON THE 30 DAY OF June, 1988

B.C. Forster

B.C.L.S.

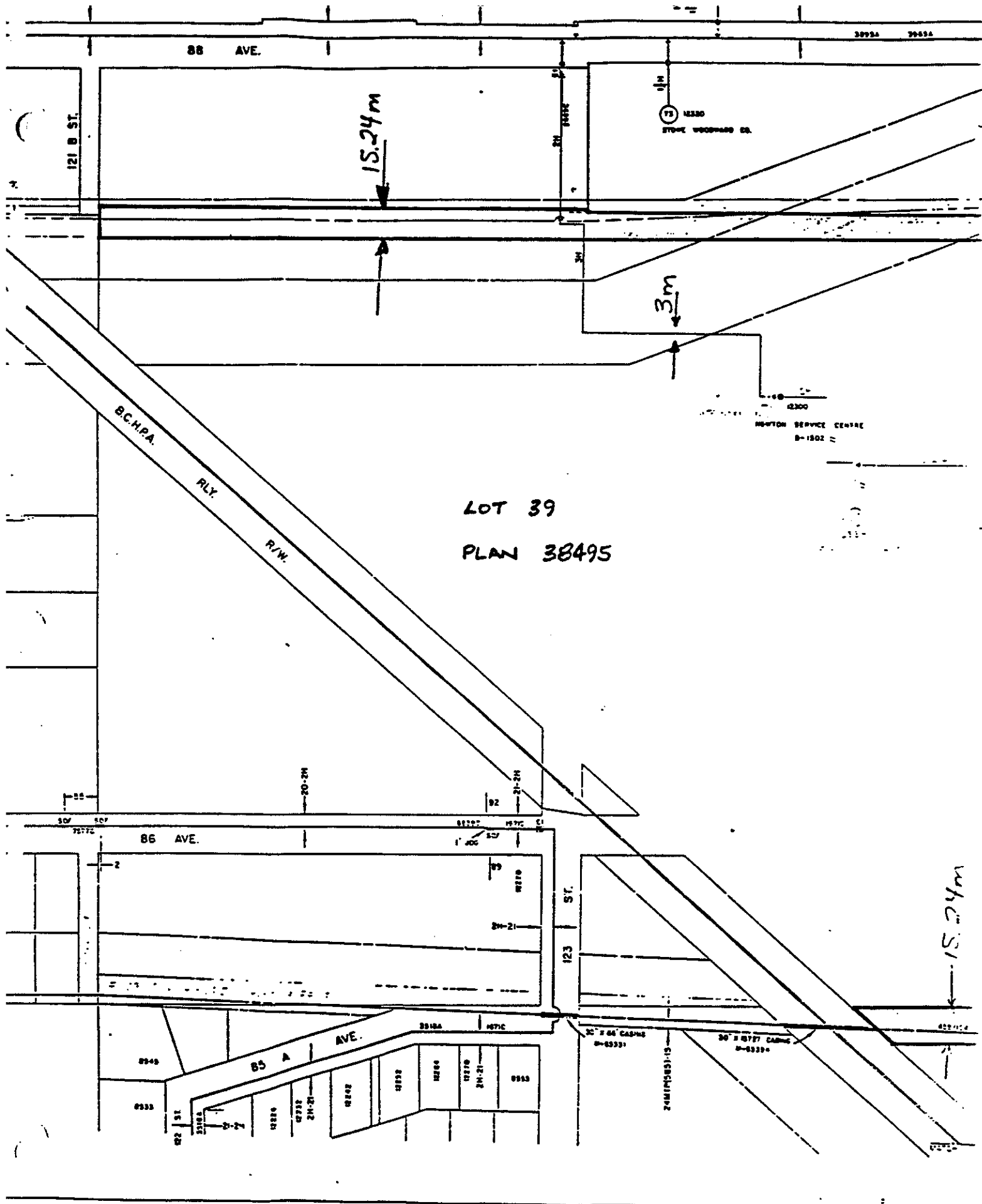
EATER VANCOUVER REGIONAL DISTRICT

2932

File BCE 2001

414-S7-C240

PRIVATE



LOT 39
PLAN 38495

2838



BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY

Fraser Valley Gas

REVISED

To latest date shown on plan

DATE JUNE 1976
BY MAY 1979

E.2-2
REFERENCE DRAWING
SYSTEM MAP - 3011

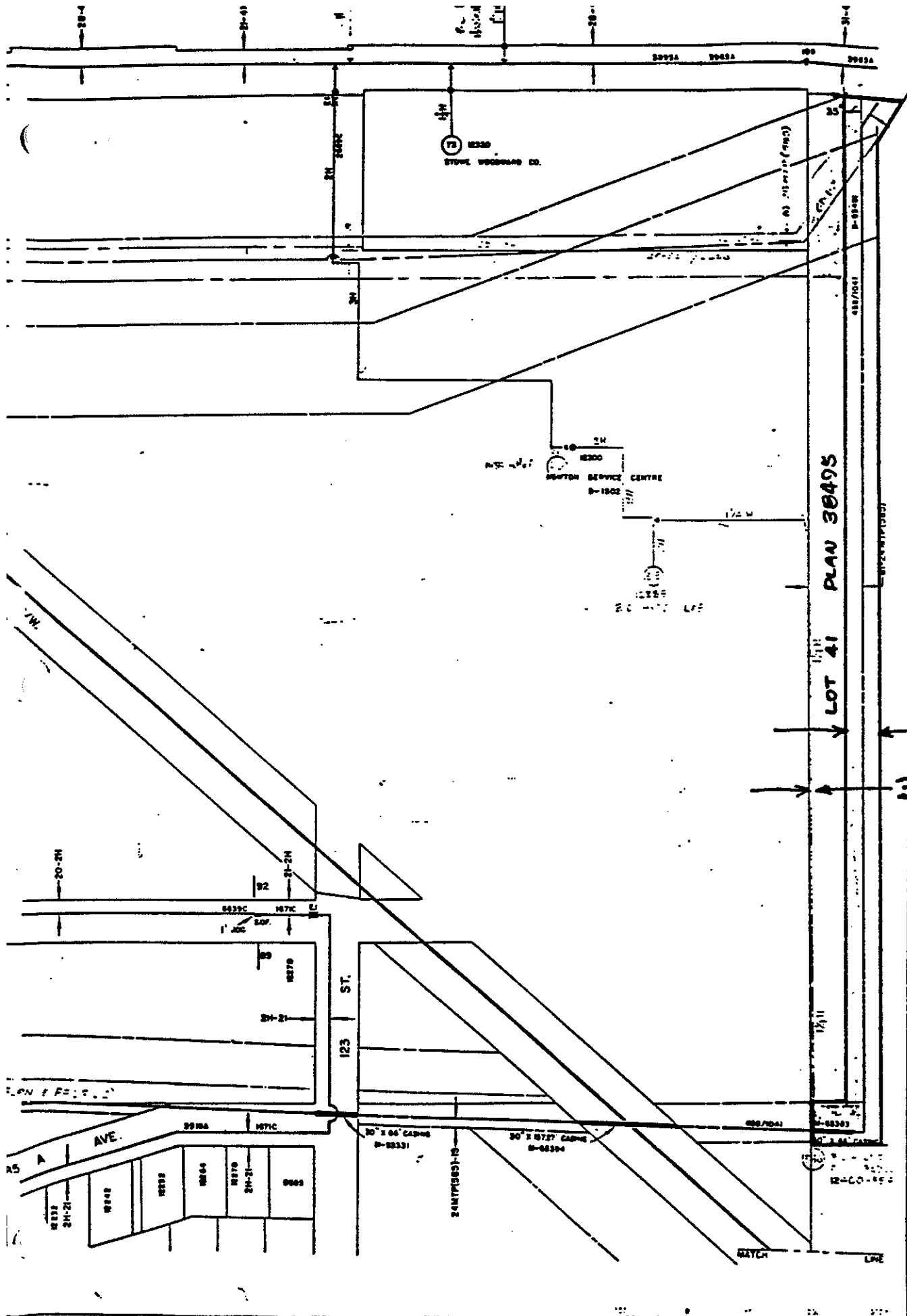
ATTENTION:

All locations shown are for information only and must not be used for the purpose of a pipe location and digging.

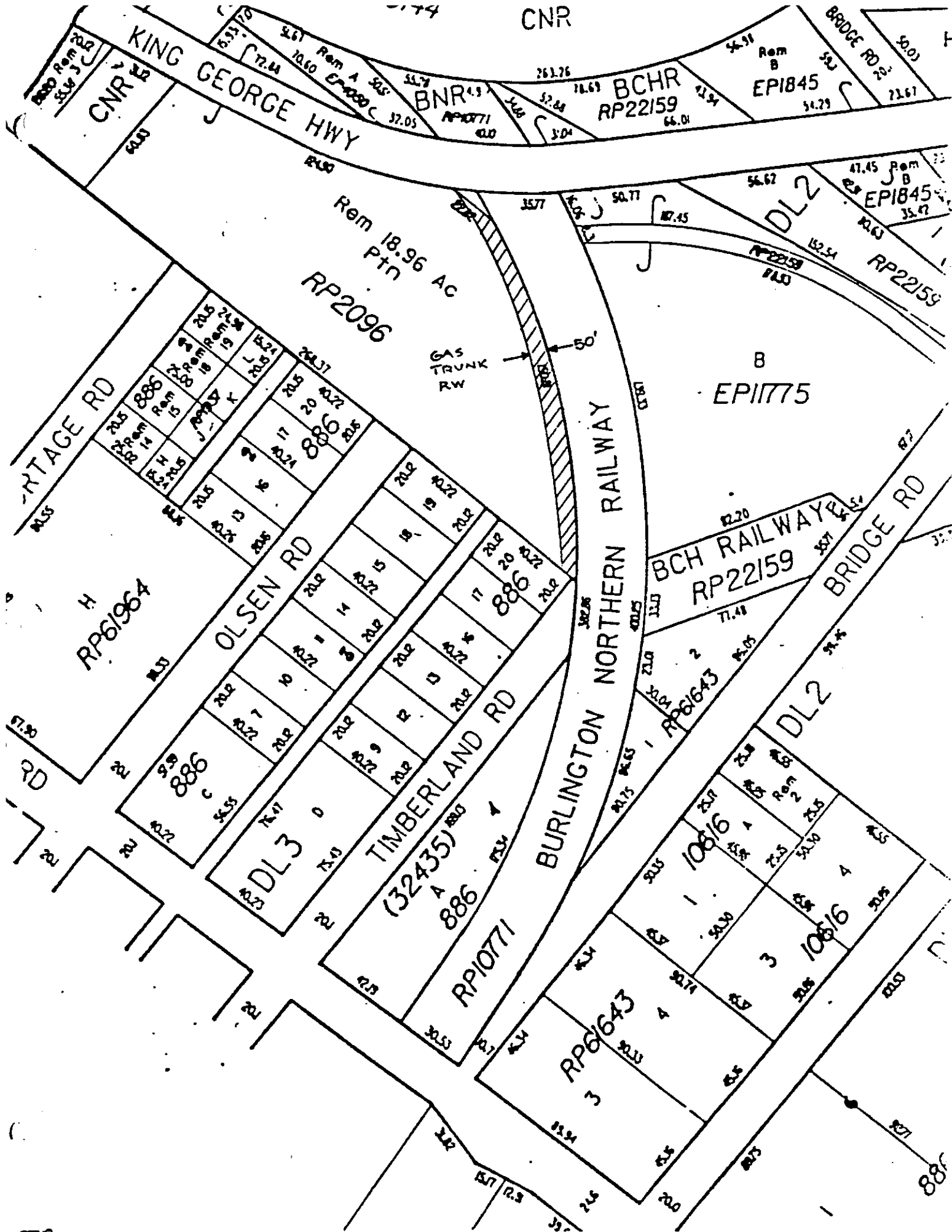
Similarly, we do not accept responsibility for errors or omissions.

SUFREY

346-6	379-5	377
345-2	378-1	376
345-4	379-3	375



#2840



DISCLOSURE SCHEDULE 8
(MAINLAND GAS)
DELAYED ASSETS

PART C - GRANTED RIGHT OF WAY AGREEMENTS (EXPANDED)

<u>LEGAL DESCRIPTION</u>	<u>RIGHT OF WAY AREA</u>
1. That portion of Section Nineteen (19) Township Thirty-nine (39); shown outlined red on Plan Twenty-three Thousand Nine Hundred and Sixty-one (23961) New Westminster District ID# 2425	The 0.1518 ha portion shown on Drawing 466-S7-B20 done by B. C. Forster, BCLS, on 30 June 1988
2. Parcel "J" (Reference Plan 15816) of Lot Two Hundred and Fifty-six (256) Group One (1) New Westminster District ID# 2402	The 0.1082 ha and 390.6 sq. metre portions shown on Dwg 466-S7-B22 done by B. C. Forster, BCLS, on 4 July 1988
3. Lot Two Hundred and Nineteen (219) Group One (2) EXCEPT FIRSTLY: Part thereof on Reference Plan 4373 and SECONDLY: Lot One (1) Plan Eighteen Thousand Two Hundred and Seventy-nine (18279) thereof New Westminster District ID# 2400	The 178.4 sq. metre portion shown on Dwg 466-S7-A21 done by B. C. Forster, BCLS on 4 July 1988
4. Parcel "D" (Reference Plan 12597) of Legal Subdivisions Eleven (11) and Fourteen (14) of Section Twenty-five (25) Township Three (3) Range Twenty-nine (29) West of the Sixth Meridian New Westminster District ID# 3688	The 240 sq. metre portion shown on Dwg 475A-S7-B2 done by B. C. Forster, BCLS on 28 June 1988
5. Parcel Identifier: 007-436-173 Parcel "One" (Explanatory Plan 14652) Lot "A" Lot 12 South East Quarter Section 12 Township 2 New Westminster District Plan 1752 ID# 2932	The 19.80 sq. metre portion shown on Dwg 414-S7-C239 done by B. C. Forster, BCLS on 30 June 1988

6. Parcel Identifier: 000-913-600
Parcel "B" (Reference Plan 438) Section 16
Block 6 North Range 1 East New Westminster District

The 384 sq. metre
portion shown on
Dwg 415-S7-B29 done
by B. C. Forster, BCLS
dated 30 June 1988

ID# 2671

7. Parcel Identifier: 004-493-214
Parcel "G" (Reference Plan 2096) District Lot 2
Group 2, Except: Firstly: Lot 3 District Lot 2
Group 2 Plan 2620, Secondly: Part shown on Plan 5719
Thirdly: Parcel "D" (Reference Plan 9662)
Fourthly: Part shown on Plan 22159
Fifthly: Part subdivided by Plan 41701,
New Westminster District

Rights and works
restricted to surveyed
plan

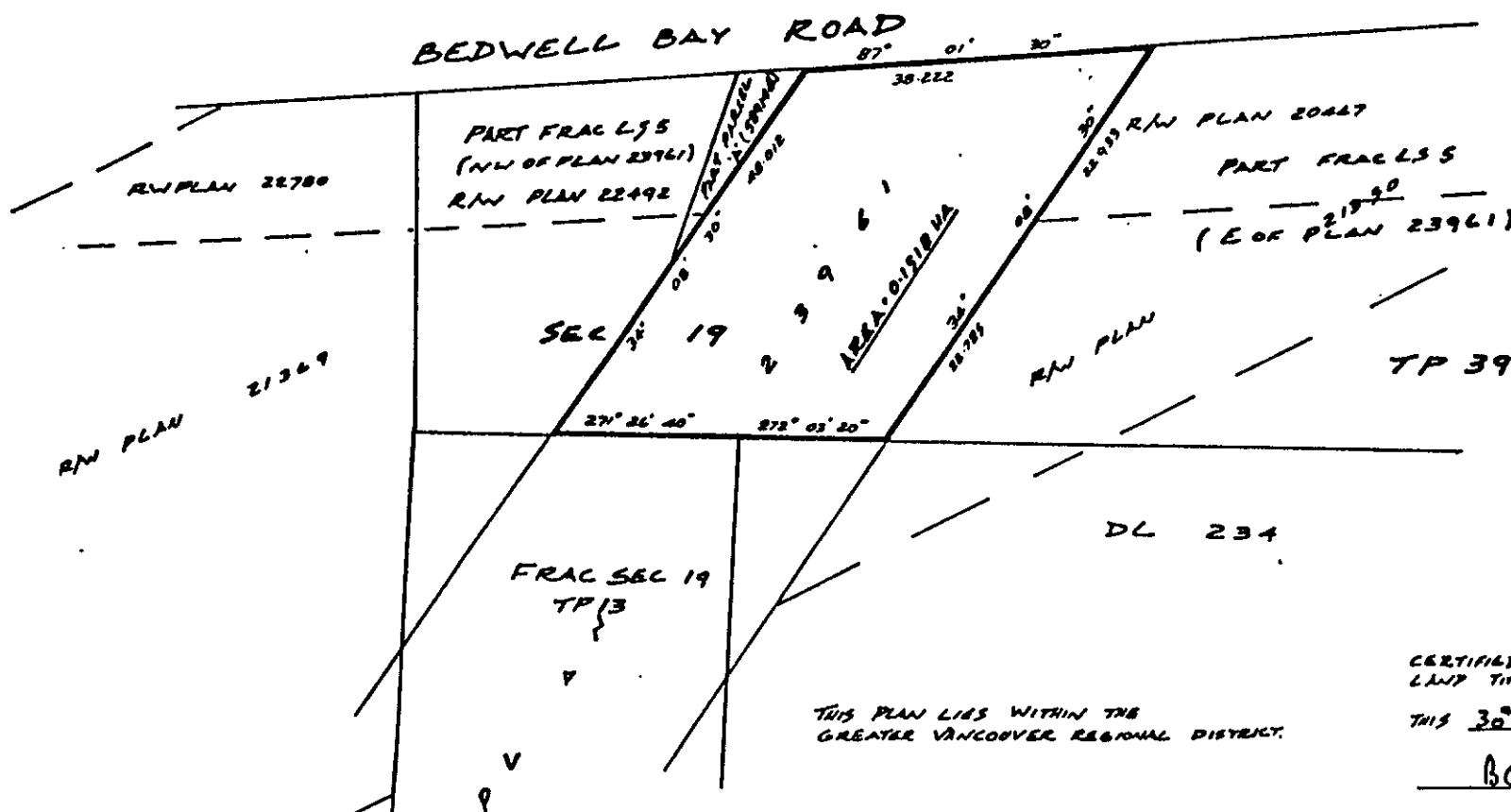
ID# 3078

BEARINGS ARE ASTRONOMICAL, DERIVED FROM PLAN 23961
AREA REQUIRED: 0.1918 HA

THIS DAY OF 1908.

DIG STRAP

DEPOSITED PURSUANT TO SECTION 99(1)(C)
OF THE LAND TITLE ACT



THIS 30th DAY of June 1988.

BC Lorton AC.LS.

88-869 " 2425 PD File: 44-4033

466-S7-B20 Privd

**PLAN OF STATUTORY RIGHT OF WAY
THROUGH PARTS OF PARCEL J. PLAN 15816**

DL 256 GPI NWD

BC GS 926.036

SCALE = 1:500

RIGHT OF WAY REQUIRED FOR PURPOSES OF GAS DISTRIBUTION
DISTANCES ARE IN METRES UNLESS OTHERWISE NOTED

BOOK OF REFERENCE	AREA
DESCRIPTION	
PARCEL J. PLAN 15816 DL 256 GPI NWD	014734

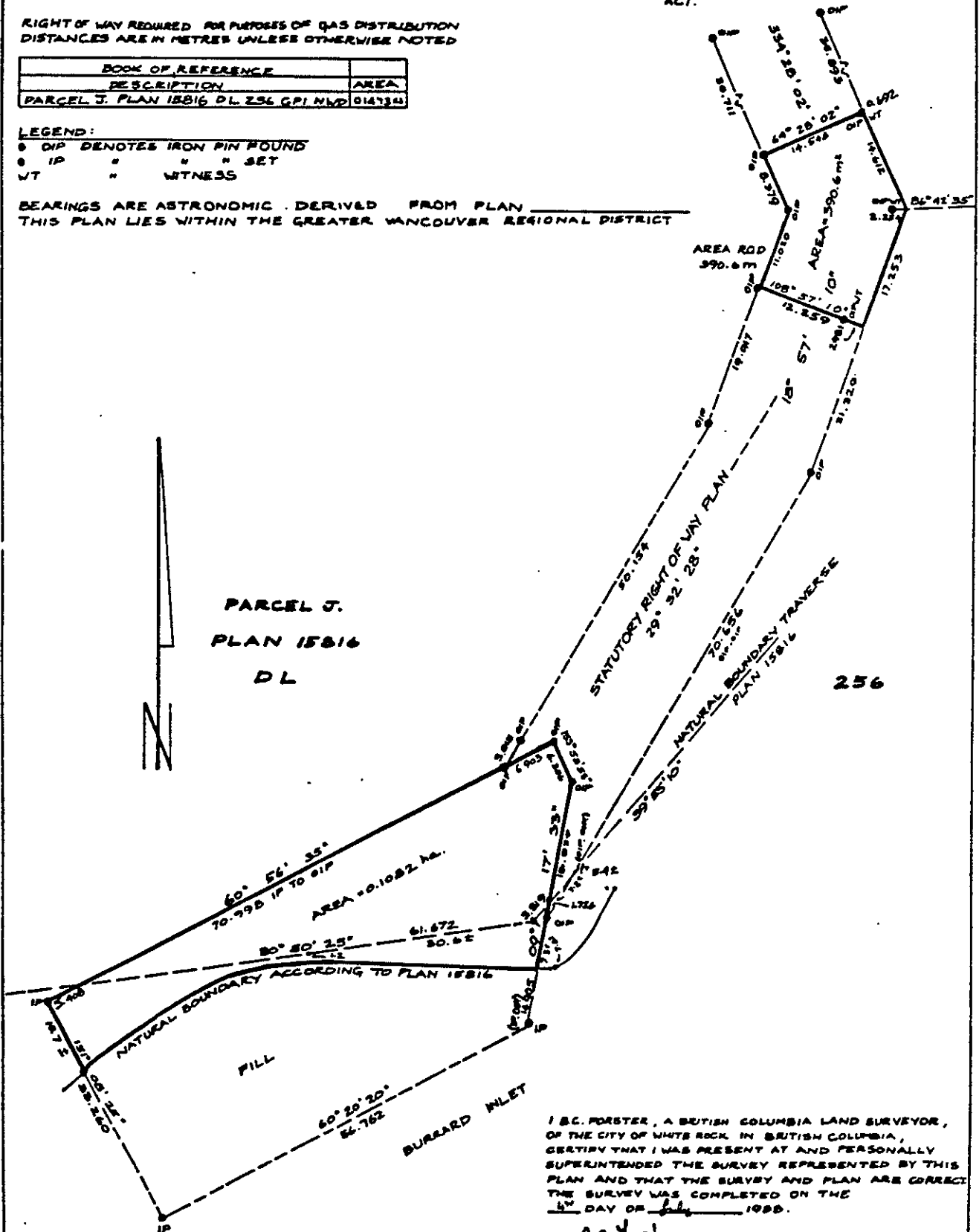
LEGEND:

- DIP DENOTES IRON PIN FOUND
- IP " " " SET
- WT " " WITNESS

BEARINGS ARE ASTRONOMIC. DERIVED FROM PLAN
THIS PLAN LIES WITHIN THE GREATER VANCOUVER REGIONAL DISTRICT

DEPOSITED IN THE LAND TITLE
OFFICE AT NEW WESTMINSTER, B.C.
THIS DAY OF 1988

REGISTRAR.
PURSUANT TO SEC. 113 OF THE LAND TITLE
ACT.



I B.C. FORSTER, A BRITISH COLUMBIA LAND SURVEYOR,
OF THE CITY OF WHITE ROCK IN BRITISH COLUMBIA,
CERTIFY THAT I WAS PRESENT AT AND PERSONALLY
SUPERINTENDED THE SURVEY REPRESENTED BY THIS
PLAN AND THAT THE SURVEY AND PLAN ARE CORRECT
THE SURVEY WAS COMPLETED ON THE
4th DAY OF July 1988.

BC Forster BCIS

PLAN

DEPOSITED IN THE LAND TITLE
OFFICE AT NEW WEST MINSTER
B.C. THIS ____ DAY OF ____
1988

PURSUANT TO SEC. 113 OF THE
LAND TITLE ACT.

DISTANCES ARE IN METRES
UNLESS OTHERWISE NOTED
THIS PLAN LIES WITHIN THE
GREATER VANCOUVER
REGIONAL DISTRICT

LEGEND:

- OIP DENOTES IRON PIN FOUND
- IP " " " SET
- OLP " LEAD PLUG FOUND

I B.C. FORSTER, A BRITISH COLUMBIA LAND SURVEYOR,
OF THE CITY OF WHITE ROCK IN BRITISH COLUMBIA,
CERTIFY THAT I WAS PRESENT AT AND PERSONALLY
SUPERINTENDED THE SURVEY REPRESENTED BY THIS
PLAN AND THAT THE SURVEY AND PLAN ARE CORRECT
THE SURVEY WAS COMPLETED ON THE
4th DAY OF July 1980
B. C. Forster B.C.L.S.

Λ'6-37-A21 Pr

PLAN OF STATUTORY RIGHT OF WAY
THROUGH DL 219 GP. 1 NWD EXCEPT
REFERENCE PLAN 4373 AND PLAN
18279.

BCGS 924.036

SCALE = 1:250

RIGHT OF WAY REQUIRED FOR PURPOSES OF GAS DISTRIBUTION
BEARINGS ARE ASTRONOMIC DERIVED FROM PLAN



SCALE 1/250

NE 1/4 SEC.	13	FRAC TP
W OF	TP	39

B.C. HYDRO + P.A.
T/L R/W PLAN 21369

AREA REQ'D
= 178.4 m²

BOOK OF REFERENCE	
DESCRIPTION	AREA
LOT 219 GPI NWD, (EXCEPT REFERENCE PLAN 4373 AND PLAN 18279.	178.4 m ²

LEGEND:

- OIP DENOTES IRON PIN FOUND
- IP " " " SET
- OLP " LEAD PLUG FOUND

I B.C. FORSTER, A BRITISH COLUMBIA LAND SURVEYOR,
OF THE CITY OF WHITE ROCK IN BRITISH COLUMBIA,
CERTIFY THAT I WAS PRESENT AT AND PERSONALLY
SUPERINTENDED THE SURVEY REPRESENTED BY THIS
PLAN AND THAT THE SURVEY AND PLAN ARE CORRECT
THE SURVEY WAS COMPLETED ON THE
4th DAY OF July 1980
B. C. Forster B.C.L.S.

Λ' 6 - 37 - A 21 Pr

PLAN OF STATUTORY RIGHT OF WAY OVER PART OF
PARCEL 'D' REFERENCE PLAN 12597 OF L.S. 11 & 14
SEC. 25 TP. 3 RANGE 29 W.6M. N.W.D.

B.C.G.S. 92H.022

SCALE 1:500
ALL DISTANCES ARE IN METRES UNLESS NOTED OTHERWISE

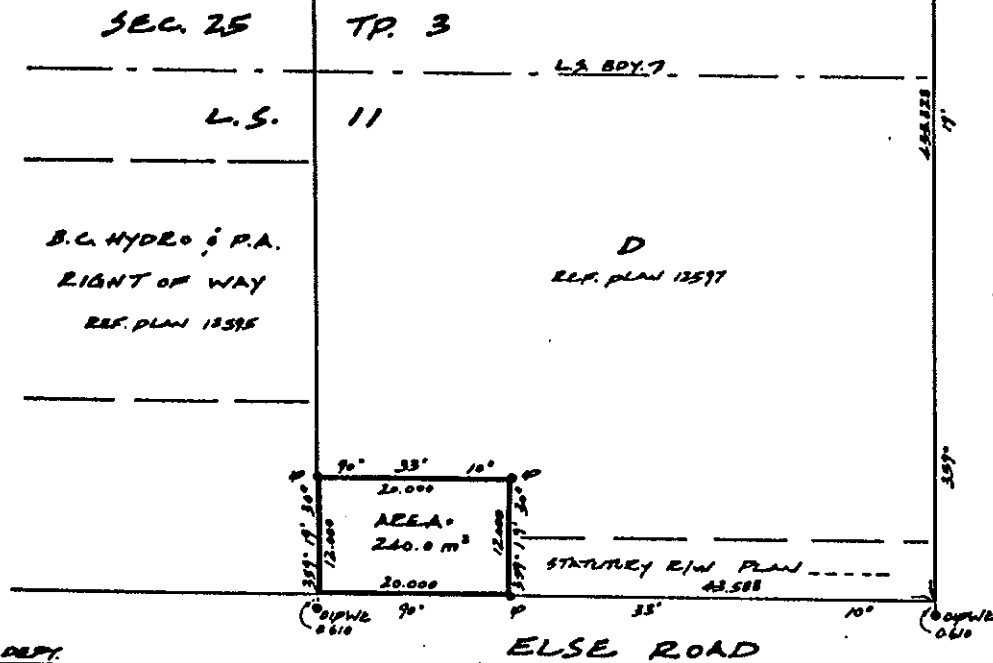
BEARINGS ARE ASTROLOGICAL DERIVED FROM REFERENCE PLAN 12597

LEGEND

- OFF DENOTES PIPE POST FOUND
- IF DENOTES IRON POST FOUND
- IF DENOTES IRON POST SET
- WL DENOTES WITNESS

AREA REQUIRED = 240.0 SQUARE METRES L.S. 14

EN REQUIRED FOR UNDERGROUND
DISTRIBUTION OF NATURAL GAS



SURVEY & PHOTOGRAMMETRY DEPT.
B.C. HYDRO & POWER AUTHORITY
1080 HORNBY STREET
VANCOUVER, B.C.

THIS PLAN LIES WITHIN THE FRASER-CHEAM REGIONAL DISTRICT.

ALLOCATION: 88-869 7688 PROPERTIES DN. FILE: BCE 218

PLAN _____

DEPOSITED IN THE LAND TITLE OFFICE AT
NEW WESTMINSTER, B.C.

THIS _____ DAY OF _____ 1908.

DEPOSITED PURSUANT TO SECTION 113 OF THE
LAND TITLE ACT.

I, B.C. FIRSTER, A BRITISH COLUMBIA LAND
SURVEYOR OF THE CITY OF WHITE ROCK IN BRITISH
COLUMBIA CERTIFY THAT I WAS PRESENT AT
AND PERSONALLY SUPERINTENDED THE SURVEY
REPRESENTED BY THIS PLAN AND THAT THE
SURVEY AND PLAN ARE CORRECT.
THE SURVEY WAS COMPLETED ON THE 28 DAY OF
JUNE 1908.

B. C. Firster

B.C.G.S.

175 A - 57. 52

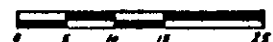
(PRIVATE)

PLAN

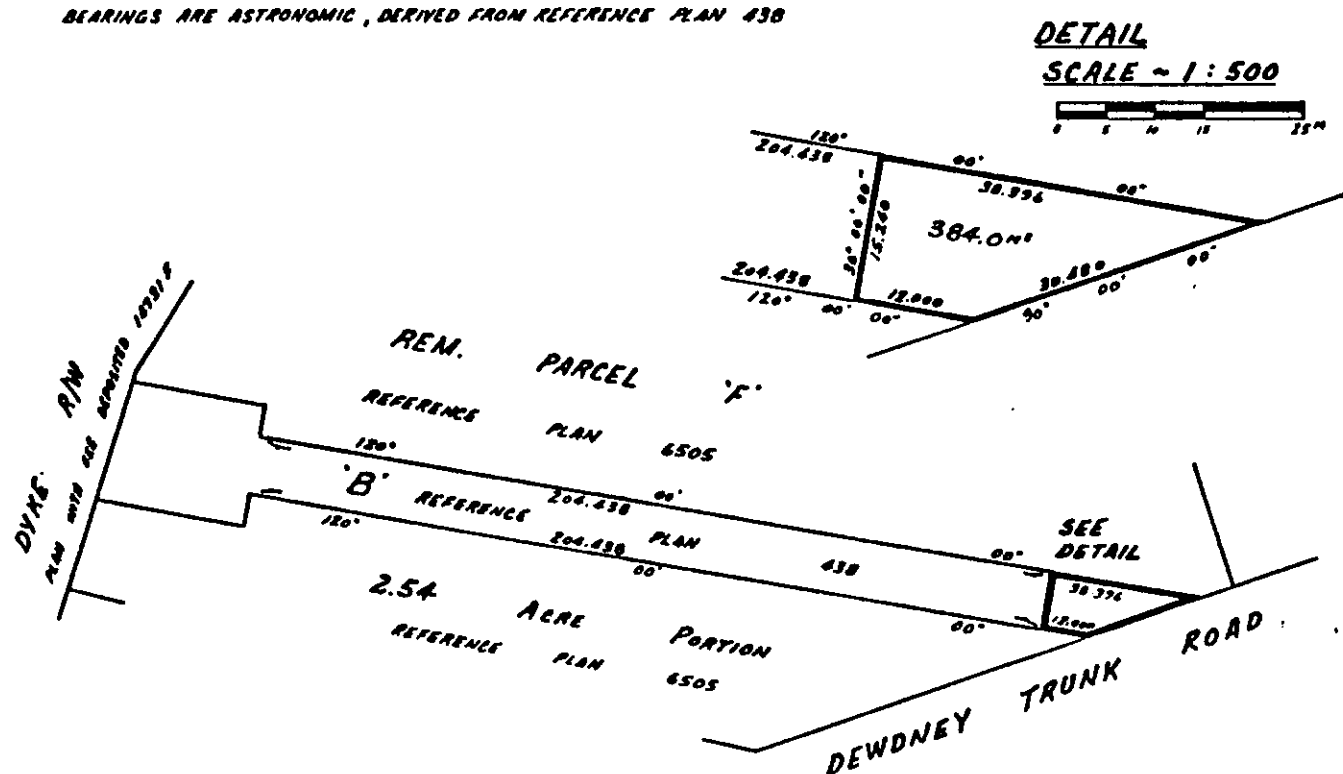
SCALE ~ 1 : 1250



DETAIL
SCALE ~ 1 : 500



DEPOSITED PURSUANT TO SECTION 99 (2) (c)
OF THE LAND TITLE ACT.



CERTIFIED CORRECT ACCORDING TO
LAND TITLE OFFICE RECORDS
THIS 30th DAY OF June 1981

Beizust

ACLS

THIS PLAN LIES WITHIN THE DEMDNEY ALDUETTE REGIONAL DISTRICT

CNR

AREA OF ⁷⁴
EXPANDED R/W

KING GEORGE HWY

BNR

AP-10771

Rem 18.96 Ac
Ptn
RP2096

PORTAGE RD

4
RP61964

OLSEN RD

ND RD

TCAI

3078

DISCLOSURE SCHEDULE 8
(MAINLAND GAS)
DELAYED ASSETS

PART C - GRANTED RIGHT OF WAY AGREEMENTS - EASEMENTS

LEGAL DESCRIPTION

EASEMENT AREA

1. The North Half Lot 5 EXCEPT Part
Subdivided by Plan 40114 South West
Quarter Section 32 Township 2
New Westminster District Plan 3270

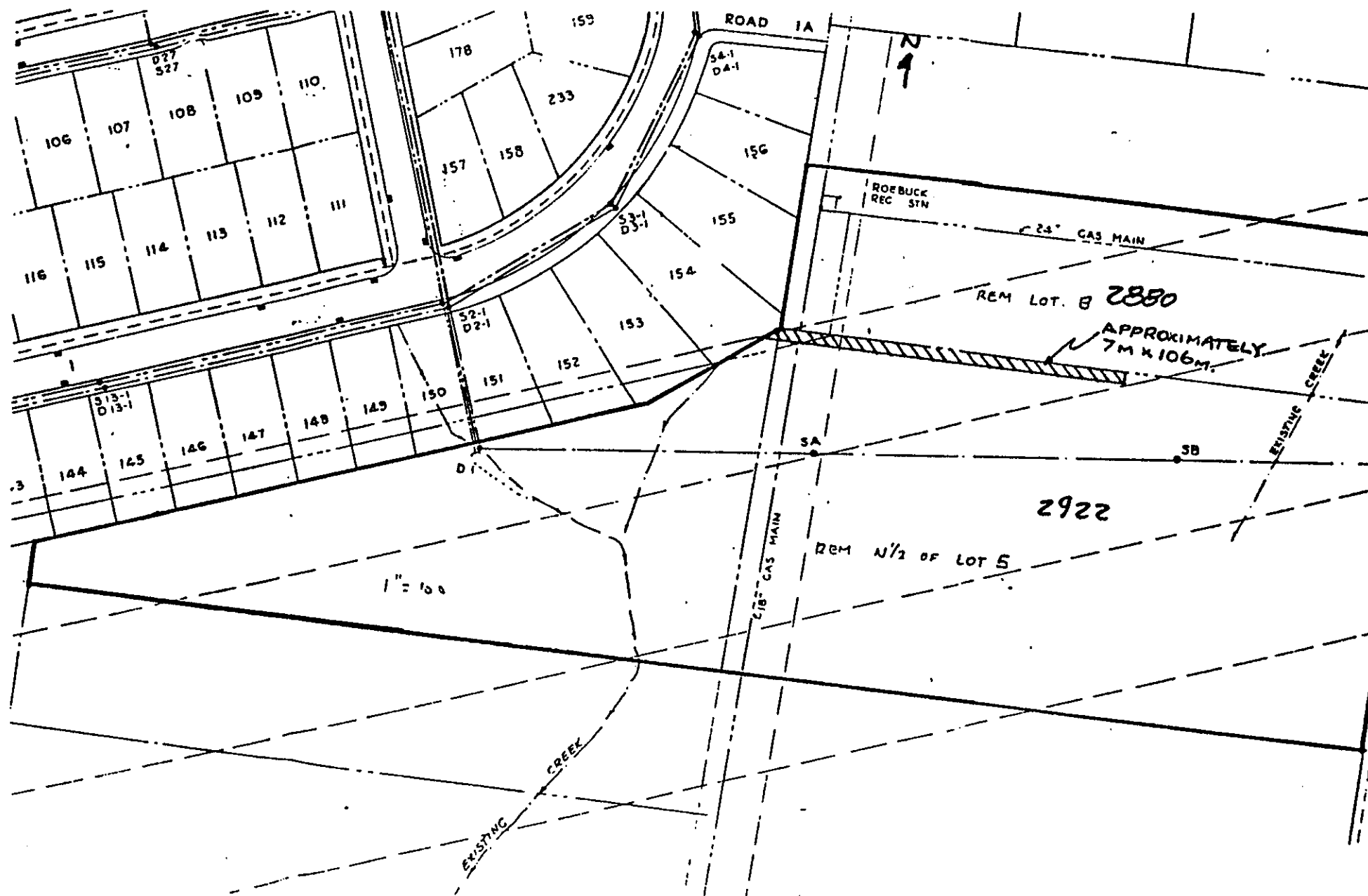
Part 763 sq. metres more
or less as shown on
attached sketch.

ID# 2922

2. Lots Eight (8) and Nine (9) Block Two (2)
of Lot Two Hundred and Sixty-seven (267)
Group Two (2) Plan One Thousand Three Hundred
and Seventy-seven (1377) New Westminster
District.

Access easement appurtenant
to lease area in Part D
item 1.

ID# 3760, 3762



AMENDED
DISCLOSURE SCHEDULE 8
(MAINLAND GAS)
DELAYED ASSETS

PART E - OWNED REAL ESTATE

EXISTING LEGAL PARCEL

APPROXIMATE AREA
TO BE SUBDIVIDED

1. Part (Twenty-two decimal Thirteen (22.13) acres more or less) of Lot One Hundred and Thirty-eight (138) Group Two (2) as shown colored Red on Sketch with Fee deposited 8124F SAVE AND EXCEPT Part (Five Tenths (0.5) of an acre more or less) as shown outlined Red on Sketch 12784
New Westminster District

Survey pending to reflect area shown on attached sketch.

Title No. 309784E ID# 2288

Legal Notation

Zoning Regulations and Plan
Under the Aeronautics Act (Canada)
Filed 11-5-1981 Under No. T 54793
Plan No. 61884

Zoning Regulations and Plan
Under the Aeronautics Act (Canada)
Filed 10-2-1981 Under No. T 17084
Plan No. 61216

Registered Charges

Nature of Charge: CML
Registered Owner of Charge: Canron Limited,
Western Bridge Division
Charge No.: P18514
Date & Time of Registration: 1/3/78, 10:41
Remarks:

Unregistered Charges

Type: Lease
Grantee: R.E. Sherrell
Remarks: None

EXISTING LEGAL PARCEL

APPROXIMATE AREA
TO BE SUBDIVIDED

2. Those applicable portions of:

- (a) Parcel Identifier: 001-828-991
That Portion District Lot 118 Group 1 shown marked
Vancouver, Fraser Valley and Southern Railway on
Plan 3067 Except:
Firstly: Part on Reference Plan 60956 and
Secondly: Part Lying within Statutory Right of Way
Plan 69655

Surveys pending for
consolidation and sub-
division of parcels as
shown on attached
sketch.

Title No: Y88544E ID# 10469

- (b) BLOCK "L" of Lot One Hundred and Eighteen (118)
Group One (1) Plan Three Thousand and Sixty-seven
(3067) SAVE AND EXCEPT Part shown on Plan
Four Thousand Nine Hundred and Fifty-seven
(4957) AND SAVE AND EXCEPT Parcel One (1)
(Explanatory Plan 12331) New Westminster District

Title No: 364583E ID# 2031

Registered Charges

Nature of Charge: RW
Registered Owner of Charge: Greater Vancouver
Sewerage and Drainage District
Charge No.: BY31430
Date & Time of Registration: 25/6/75, 10:11
Remarks: Plan 48459

Unregistered Charges

Type: Lease
Grantee: B.C. Transit
Remarks: Lease of Lot L (or portion)

- (c) Parcel Identifier: 010-879-790
Parcel Two (2) (Explanatory Plan 10699) of
BLOCK "K" of Lot One Hundred and Eighteen (118)
Group One (1) Plan Three Thousand and Sixty-seven
(3067) New Westminster District

Title No: 390375E ID# 2029

EXISTING LEGAL PARCEL

APPROXIMATE AREA
TO BE SUBDIVIDED

Unregistered Charges

Type: Lease
Grantee: B.C. Transit
Remarks: Lease of Parcel 2 (or portion)

- (d) Parcel Identifier: 001-719-572
BLOCK "K" Except:
Firstly: Part shown outlined Red on Plan 4957 and
Secondly: Part lying within Statutory Right of Way
Plan 69655, District Lot 118 Group 1 New Westminster
District Plan 3067

Title No: Y88545E ID# 2027

Registered Charges

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro
Charge No.: Z46322
Date & Time of Registration: 21/03/86, 14:13
Remarks:

Unregistered Charges

- (e) Parcel Identifier: 009-743-341
Lot "C" District Lot 117 Group 1 New Westminster
District Plan 12844

Title No.: 390376E ID# 2024

EXISTING LEGAL PARCEL

APPROXIMATE AREA
TO BE SUBDIVIDED

(f) Parcel Identifier: 010-344-632
BLOCK "J" District Lot 117 Group 1 New Westminster
District Plan 18036

Title No.: 397162E ID# 2022

ALL PARCELS IN THIS ITEM 2 MAY BE SUBJECT TO:

- I. SRW IN FAVOUR OF B. C. HYDRO AND POWER AUTHORITY AS PER ATTACHED SKETCH.
 - II. BLANKET ACCESS EASEMENT IN FAVOUR OF B. C. HYDRO AND POWER AUTHORITY.
-

EXISTING LEGAL PARCEL

APPROXIMATE AREA
TO BE SUBDIVIDED

3. Parcel Identifier: 003-469-280
Lot 527 Section 20 Township 17 New Westminster
District Plan 64420

Survey pending to
reflect area shown on
attached sketch.

Title No.: U46184E ID# 2605

4. Parcel Identifier: 006-314-325
Lot 4 District Lot 2 Group 2 New Westminster
District Plan 41701

Survey pending to reflect
area shown on attached
sketch.

Title No.: H58190E ID# 3074

Legal Notations

Re Para. (E) & (F) Sec. 23(1)
Land Title Act X31201 28.3.84

Re Para. (E) & (F) Sec. 23(1)
Land Title Act AA154557
August 17, 1987

Registered Charges

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: District of Surrey
Charge No.: 50861C
Date & Time of Registration: 13/10/23, 10:20
Remarks: Reference Plan 2096, Inter Alia

Nature of Charge: Easement
Registered Owner of Charge:
Charge No.: H99820
Date & Time of Registration: 29/09/72, 13:30
Remarks: Part (Plan 42423) Appurtenant
to Lot 3, Plan 41701, Except Part on
Plan 41702

THIS PARCEL WILL BE SUBJECT TO A STATUTORY RIGHT OF WAY FOR RAIL
PURPOSES IN FAVOUR OF B. C. HYDRO AND POWER AUTHORITY OR THE
RAIL PURCHASER.

- b -

EXISTING LEGAL PARCEL

APPROXIMATE AREA
TO BE SUBDIVIDED

5. Parcel Identifier: 000-913-651
Parcel "A" (Reference Plan 1068) Section 25
Block 6 North Range 1 East New Westminster
District

The 794.3 sq. metre
portion shown on
drwg 415-S7-C30
done by B. C. Forster,
BCLS, on 29 June 1988.

Title No.: X132805E ID# 2677

Legal Notations

This Certificate of Title May be affected
by the Agricultural Land Commission Act;
See Agricultural Land Reserve Plan No. 14
Deposited July 30th, 1974.

Zoning Regulation and Plan under the
Aeronautics Act (Canada) filed 22.08.1977
under No. N86369 Plan No. 53110.

Re Para. (E) & (F) Sec. 23(1) Land
Title Act, G67588, received 16.08.1971.

Registered Charges

Nature of Charge: Reservation
Registered Owner of Charge:
Charge No.: X128458
Date & Time of Registration:
Remarks: Subject to an unregistered statutory
right of way agreement (See 215944E),
Inter Alia

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro
Charge No.: X130997
Date & Time of Registration: 05/11/84, 14:31
Remarks: Inter Alia

EXISTING LEGAL PARCEL

APPROXIMATE AREA
TO BE SUBDIVIDED

6. Block Nine (9) of Lot Seven Hundred and Fifty-seven (757) Group One (1) Plan Two Thousand Six Hundred and Twenty (2620) Except part subdivided by Plan Fifteen Thousand and Eight (15008)

Part 25 sq. metres more or less as shown on attached sketch.

Title No.: 472181E ID# 1879

Legal Notations

Re Para. (E) & (F) Sec. 23(1) Land
Title Act Y7959 22.1.85

Registered Charges

Nature of Charge: RW
Registered Owner of Charge: Greater Vancouver
Water District
Charge No.: 337393C
Date & Time of Registration: 28/5/63, 12:39
Remarks: Portion outlined red on Plan 25157
except part on Plan 23496

ALL AND SINGULAR those certain parcels or tracts of land and premises more particularly described as follows:

1. Municipality of Surrey
Parcel Identifier 005-369-398
Parcel "A" (Statutory Right of Way Plan 61519), Lot 1072,
District Lot 440, Group 2, New Westminster District,
Plan 40536
2. Municipality of Surrey
Parcel Identifier 010-016-236
Lot 5, Section 33, Block 5 North, Range 2 West, New
Westminster District, Plan 14954
3. Municipality of Delta
Parcel Identifier 003-287-980
Parcel "A" (Reference Plan 70248), Lot 263, Section 19,
Township 13, New Westminster District
4. Municipality of Langley
Parcel Identifier 010-016-236
Lot 5, Section 33, Block 5 North, Range 2 West, New
Westminster District, Plan 14954
5. Municipality of Coquitlam
That Part of Block "A", Except
 Firstly part subdivided by Plan 72702,
 Secondly part subdivided by Plan 72593
 Thirdly part subdivided by Plan 72701
Section 15, Township 39, New Westminster District, Plan
71962, included within the limits of the parcel designated as
Parcel 1 on the Reference Plan sworn by B.C. Forster,
B.C.L.S. on March 7, 1988.

WPD-H/MG

D.L. 138

PART (22.13 ACRES)
SKETCH 8124 F

ARNOTT

SUBSTATION

64th ST (GOUDY RD.)



1:1800 APPROX

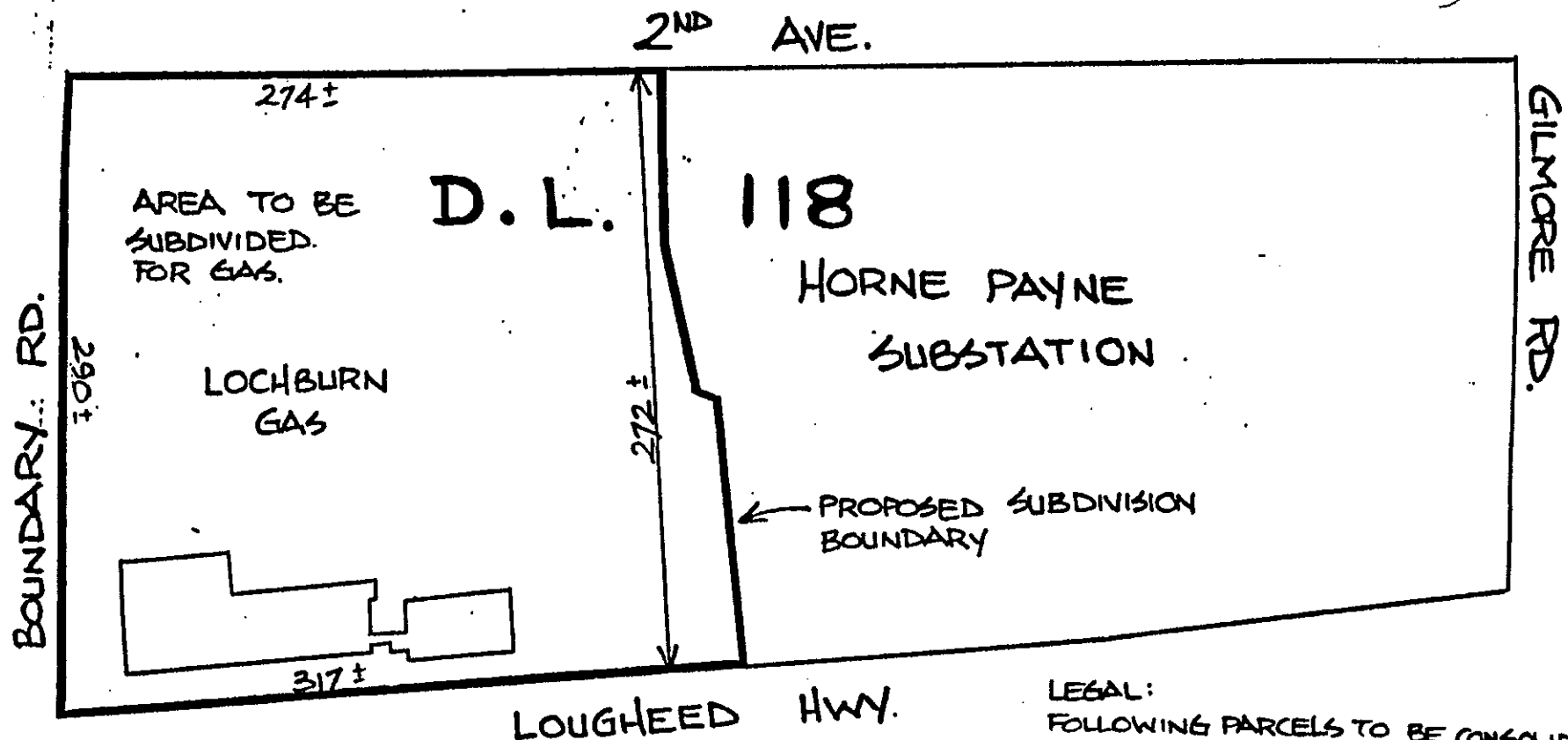
PROPOSED
AREA FOR
SUBDIVISION
FOR GAS

36.57±

30.48±

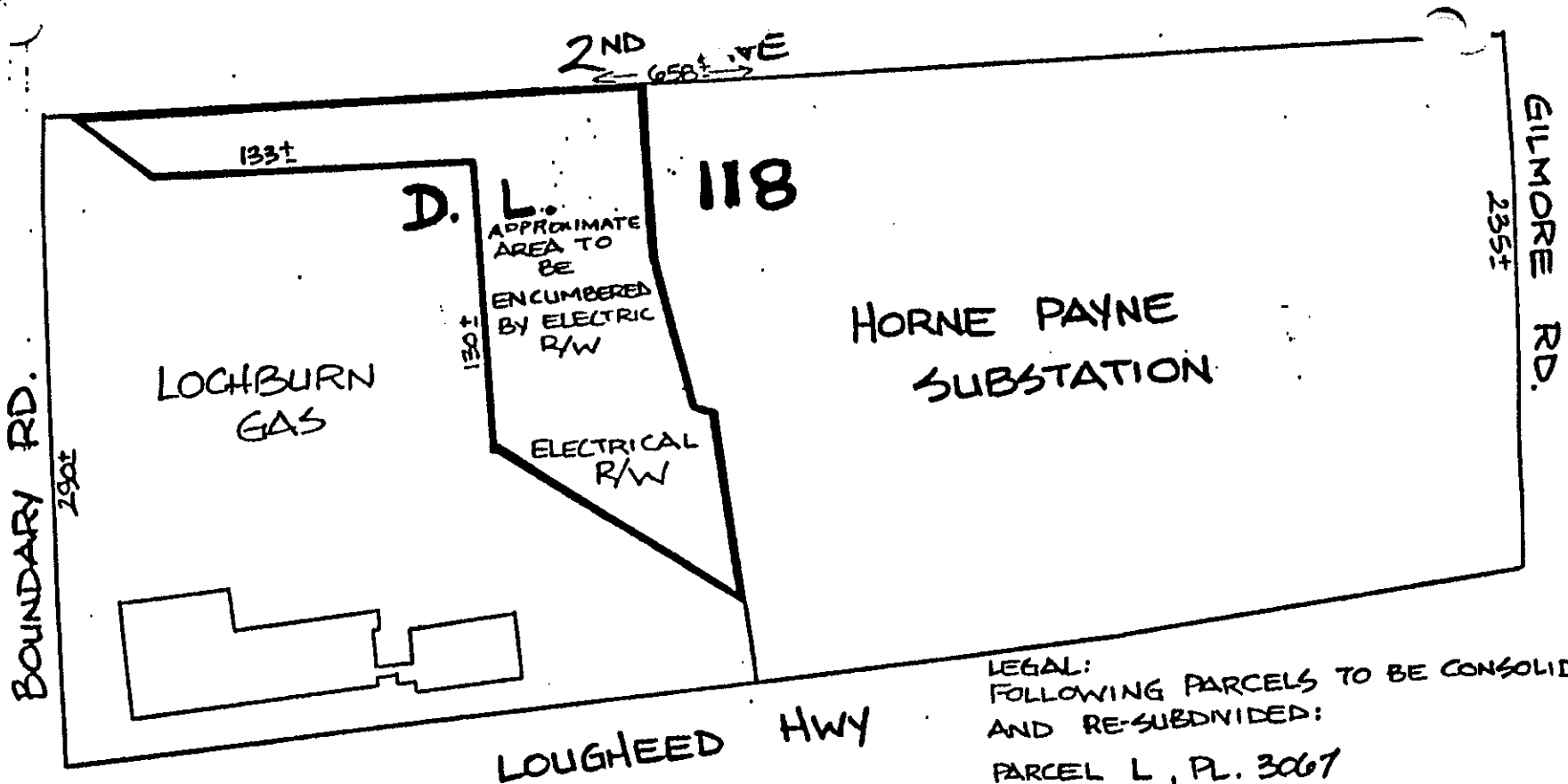
56±

HWY. 10 (LADNER TRUNK RD.)



LEGAL:
 FOLLOWING PARCELS TO BE CONSOLID
 AND RE-SUBDIVIDED:
 PARCEL L, PL. 3067
 PARCEL C, PL. 12844
 PARCEL S, PL. 18036
 PARCEL K, PL. 3067
 PARCEL "2", EX. PL. 10699
 PART MARKED VFVS RAIL PL. 3067

I.D. NOS.
 2022, 2024, 202;
 2029, 2031, 1046



1:3,020 APPROX.

LEGAL:
FOLLOWING PARCELS TO BE CONSOLIDATED
AND RE-SUBDIVIDED:

PARCEL L, PL. 3067
PARCEL C, PL. 12844
PARCEL J, PL. 18036
PARCEL K, PL. 3067
PARCEL "2", EX. PL. 10699
PART MARKED VFVS RAIL PL. 3067

I.D. NOS.
2022, 2024, 20
2029, 2031, 10

N
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524
Plan 62032

517

518

519

520
Plan

521

522
81925

NE 1/4

Rem 1
Plan

SEC 20

Rem 2
8760

TP 17

526
Plan

527
81925

10m±

20m±

CEDAR VALLEY STREET

Original color
re constructed from
film G9.25

7th AVENUE

AREA TO BE
SUBDIVIDED

SE 1/4 SEC 20 TP 17

DETAIL 'A'

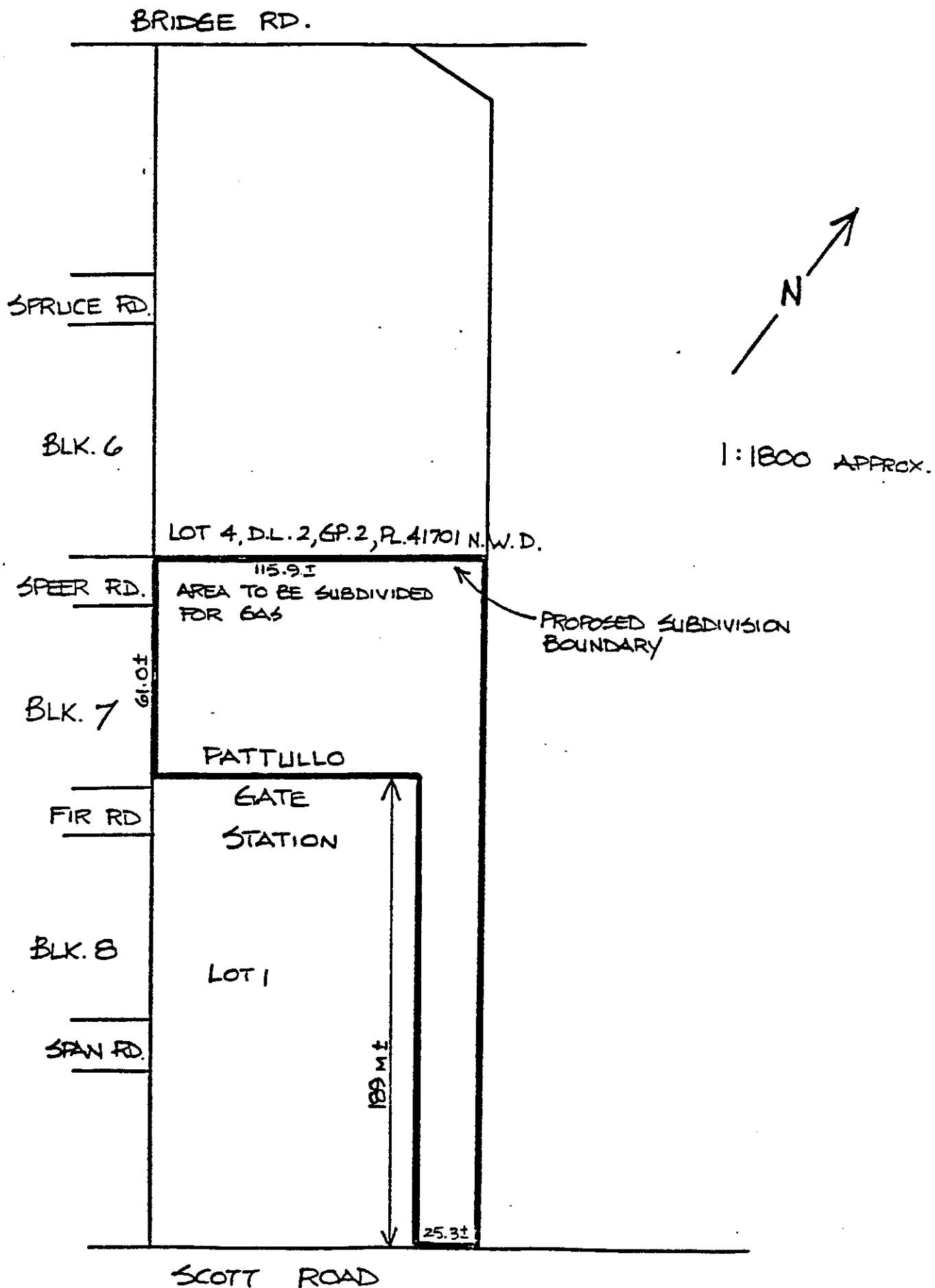
Sue Filing S64974

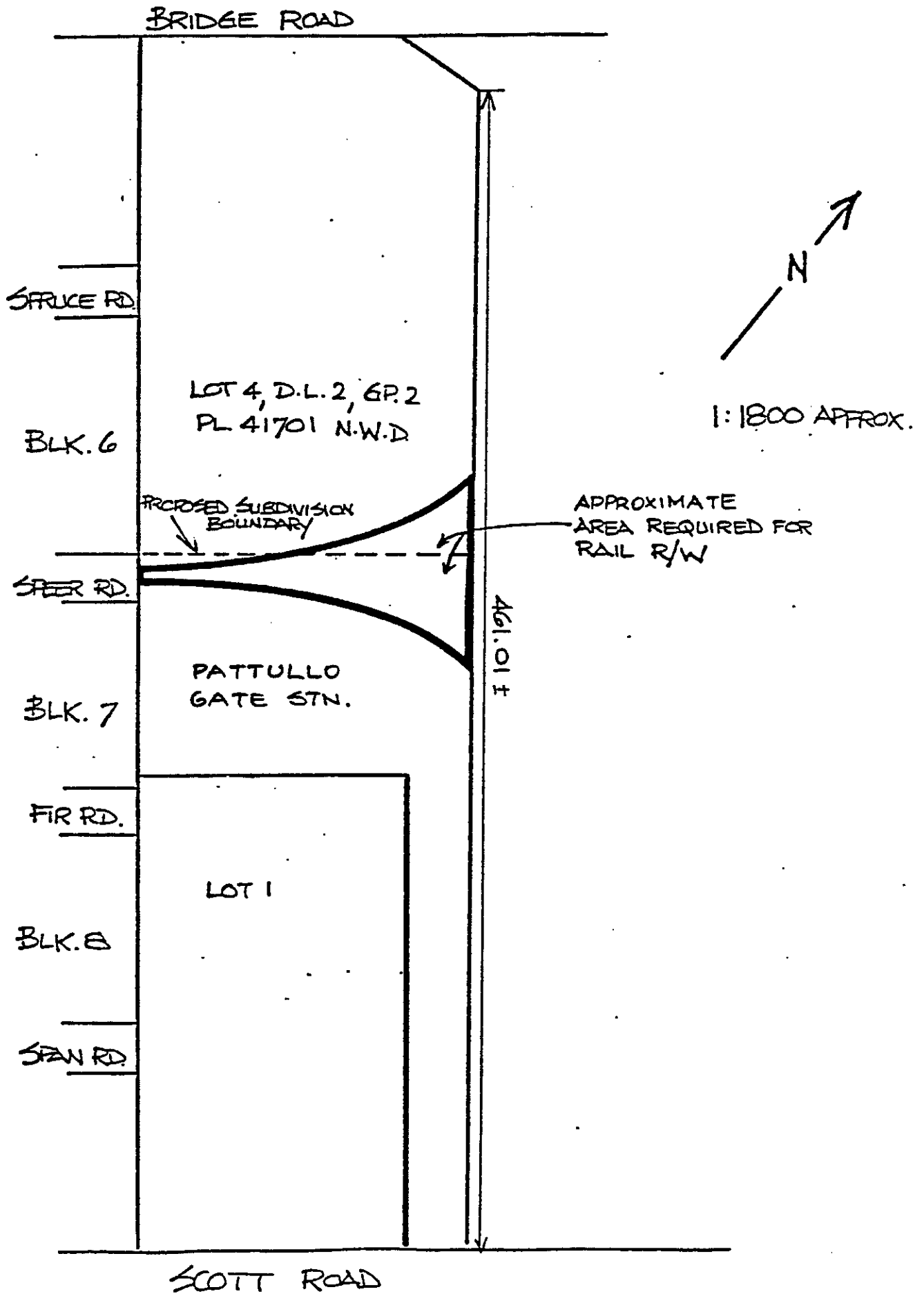
526

527

ROAD

APPROVED
as to form only
[Signature]
Solicitor
B C Hydro and
Power Authority

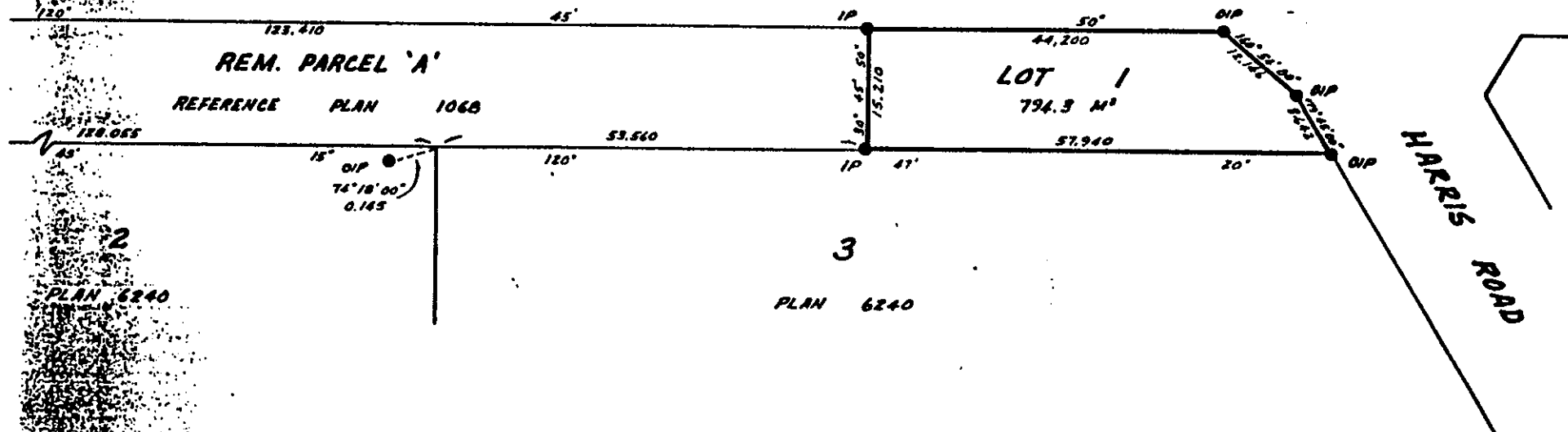




LOUGHEED

HIGHWAY

PLANS 4607 4 43436



BRITISH COLUMBIA HYDRO AND POWER AUTHORITY
by its attorneys in fact (D.F. Number AB 65692)

WITNESS AS TO BOTH SIGNATURES

Name

Address

Occupation

I, B.C. FORSTER, A BRITISH COLUMBIA LAW
SURVEYOR, OF WHITE ROCK, IN BRITISH
COLUMBIA, CERTIFY THAT I WAS PRESENT AND
PERSONALLY SUPERINTENDED THE SURVEY
REPRESENTED BY THIS PLAN, AND THAT THE
SURVEY AND PLAN ARE CORRECT. THE SURVEY
WAS COMPLETED ON THE 29th DAY OF
JUNE, 1988

Bejant

B.C.L.S.

THIS PLAN LIES WITHIN THE DEMDNEY ALOUETTE REGIONAL DISTRICT

ALLOCATION BB-869

PROPERTIES DN. FILE WP 36 #2677

415-57-030

(PRIV.

1

#1270

**AMENDED
DISCLOSURE SCHEDULE 8
[Mainland Gas]**

DELAYED ASSETS

PART F - THIRD PARTY INTERESTS

Bridge Crossing Agreements (Minister of Finance)

1. Ioco Road Bridge
2. Oak Street Bridge
3. Second Narrows Bridge
4. Second Narrows Bridge
5. Patullo Bridge
6. Knight Street Bridge
7. Mission Bridge

General Third Party Interests

All contracts between Hydro and the following third parties with respect to rights given to Hydro to generally enter upon, install, maintain and operate gas distribution lines on lands owned by such third party:

1. Ministry of Indian & Northern Affairs (Federal)
2. Ministry of National Defence (Federal)
3. Ministry of Transport (Federal) *
4. Vancouver Port Corporation
5. Fraser River Harbour Commission
6. North Fraser Harbour Commission
7. Ministry of Forest & Lands (Provincial)
8. B.C. Rail Ltd.
9. Burlington Northern Inc.
10. Canadian National Railway Company
11. Canadian Pacific Limited
12. Greater Vancouver Sewerage and Drainage District

[Mainland Gas]

DELAYED ASSETS

PART G - CROSSING PERMISSIONS

GAS CROSSINGS OF HYDRO RAIL TRACKAGE (FRASER VALLEY AREA)

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GCO/GSO</u>	<u>Map No.</u>	<u>Remarks</u>
B.C.E.R. R/W Chwk. Reg. Stn. to Cheam Ave., Chilliwack	-	Dated 1957 06 19	FV 119	-	42-K-5/ 8/11 42-J-2/ 5/9	Trackage removed N of CN Rail
Cheam Ave., Chilliwack	-	Dated 1957 06 19	FV 119	-	42-K-5	Trackage removed N of CN Rail
Hope Ave., Chilliwack	-	Dated 1957 06 19	FV 94	-	42-K-5	Trackage removed N of CN Rail
Cheam Ave., Chilliwack	-	Dated 1957 06 19	FV 93	-	42-K-5	Trackage removed N of CN Rail
Knight Rd., Chilliwack	-	Dated 1958 11 05	FV 578	3952-A	42-J-11	
Yale Rd. @ Lane S. of Alexander, Chilliwack (Shell Oil Spur)	-	Dated 1958 01 21	FV 368	-	42-K-8	Trackage removed N of CN Rail
Hocking Ave., Chilliwack	-	Dated 1957 11 13	FV 281 FV 332	-	42-K-11	
Vedder Rd., Chilliwack	-	Dated 1957 10 30	FV 291	-	42-I-1	
Spruce Dr., Chilliwack	-	Dated 1957 10 30	FV 291	-	42-I-4	
South Sumas Rd., Chilliwack	59.18	VG5918	FVm 879 B 1064	1298	41-H-1	
Unsworth Rd., Chilliwack	59.31	Dated 1962 06 26	-	1362 (Abandoned)	41-I-11 41-H-2	See GCO 4889-C
Yarrow Central Rd., Chilliwack	55.75 Dist.3	VG5575	FVm 940	Applied 1954 Installed 2321	39-F-3	
Wilson Rd., Chilliwack	Dist.3	-	-	1948	39-F-6	See GCO 122-C
South Sumas Rd., Chilliwack	-	474-2135.4 VG5918 & VG5918A	FVm 1064 FVm 879	69-C 1298	41-H-1	
Lickman Rd., Chilliwack	58.55	VG5855	FVm 1211	1125-C	40-H-6	
Unsworth Rd., Chilliwack	-	474-2101-0 VG5931	B 1559	4889-C	41-I-11 41-H-2	
Wilson Rd., Chilliwack	-	VG5524	-	122-C	39-F-6	
45823 Railway Ave., Chilliwack	-	VG6332	B 1708	-	-	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GC0/CS0</u>	<u>Map No.</u>	<u>Remarks</u>
Keith Wilson Rd., Chilliwack	57.39	VG5739	B 1766	7511-C	40-H-10	
R/W North of Hocking Ave. (Relocation of 10" & for sewer work), Chilliwack	-	VG6250	-	9574-C	42-K-8	Not constructed
Airport Rd., Chilliwack	62.71	VG6271	-	2087-C	42-K-11	
45744 Yale Rd. West n/o Hocking Ave., Chilliwack	-	VG6250	A3-2201	303-Y	42-K-8	
Del Air Rd., Abbotsford	-	Dated 1957 10 24	FV 236	-	32-D-12	Abandoned on FV 598
Del Air Rd., Abbotsford	41.27	VG4073	FV 598	5902-A	32-D-12	Abandoned on GL01024-D
Hazel St., Abbotsford	-	-	FV 22	-	32-E-11	Abandoned, see GC0 2349-C
Vye Rd., Abbotsford	-	Dated 1962 03 30	-	1268	32-C-12	
South of Vye Rd., Abbotsford	-	-	CK 1279	-	33-C-10 32-C-12	
Sumas Way, Abbotsford (N. of 8th Ave.)	-	Dated 1962 03 30	-	1268	33-B-1	
Service to Stores #36, Abbotsford	39.17	VG3917	-	1393	32-E-11	
Pipeline Crossing South of Vye Rd., Abbotsford	-	-	-	-	33-C-10 32-C-12	Transmission 18, 30, 42" MTP
Marshall Rd., Abbotsford	7.63	VG4040	FVm 1053	-	32-D-9	
Cyril St., Abbotsford	-	VG3957	-	189-C	32-D-5/2	
4th Ave., Abbotsford	-	VG4264	FVm 1132	883-C	33-B-4	
Riverside Rd. to Cyril St. South of Sentinel, Abbotsford	-	VG4013	B 1753	7085-C	32-D-6	
1790 Interprovincial Highway, Abbotsford	-	Dated 1981 12 23	A3 2195	9948-C (305) 998-C	-	Not constructed
Hazel St., Abbotsford	-	472-2125.4 VG3927	-	2349-C	32-E-11	
Sumas Way at 1st Ave., Abbotsford	-	VG4284	A3 2133	8945-C	33-B-7	
34501 Vye Rd., Abbotsford	-	VG4188	A3 2226	-	32-C-12	
Lamson Rd., Abbotsford	-	VG4631	A3 2514	825237	35-C-10	Not constructed

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GCO/GSO</u>	<u>Map No.</u>	<u>Remarks</u>
.addeh Rd., Abbotsford	-	VG4581	A3 2519	825498	34-C-12	
39623 Vye Rd., Abbotsford	-	VG4934	A3 2399	14720	37-C-10	
Marion Rd., Abbotsford	-	VG4882	A3 2234	9978-C	36-C-12	
Arnold Rd., Abbotsford	-	VG4827	A3 2235	9978-C	36-C-11	
Townshipline Rd., Matsqui	-	64-5-69	-	2319	31-G-12	Cancelled August 1964 - see GCO 1224-C
Mt. Lehman Rd., Matsqui	-	VG3193	FVm 1009	2469	29-H-8	
Bradner Rd., Matsqui	29.27	VG2927	FVm 1039	-	-	
3013 Turner Rd., Matsqui	38.81	VG3881	-	1073	32-E-8	
Clayburn Rd., Matsqui	37.04 FV Branch	470-2135.4 VG3704	D 1361	2518-C	32-F-2	
33826 Morey Rd., Matsqui	39.07	470-2135.4 VD3907	FVm 1226	-	32-E-11	
Townshipline Rd., Matsqui	35.98	470-2135.2 VG3598	FVm 1224	4589-C	31-G-12	Not constructed
Glenmore Rd., Matsqui	34.37	VG3437	FVm 1225	1224-C	30-G-3	
MacClure Rd., Matsqui	38.56	VG3856	FVm 1346	2078-C	32-E-5	
5067 Turner Rd., Matsqui	-	470-2103.7 V3880	B 1459 R1	-	32-E-5	
Rand Rd., Matsqui	-	467-2101.0 VG2902	B 1573	4938-C	27-G-2	
Burgess Rd., Matsqui	-	VG3232	A3 2471	32099	29-H-9	
Ross Rd., Matsqui	-	VG3085	FVm 1316	1982-C	28-H-12	
Enterprise Ave., Matsqui	3809 FV Branch	414-2101.0 VG3809	-	2858-C	32-E-4	
Turner Rd., Matsqui	-	64-5-67 VG3870	-	2209	32-E-8	
56th Ave. at Baynes Rd., Matsqui	-	VG2837	B 1606	6137-C	27-G-1	
Baynes Rd., Matsqui	-	VG2831	-	825452	27-G-1	
Riverside Rd., Matsqui	40 + 14	-	X 43421 (B.C. Eng.)	32-F-1	-	
Riverside Rd., Matsqui	-	VG3664	B 1656	6081-C	32-F-1	
Industrial Ave., Matsqui	-	VG3832 (Supercedes VG3831)	B 1730	7185-C	26-H-1	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GC0/GS0</u>	<u>Map No.</u>	<u>Remarks</u>
Crush Cres., Langley	-	VG1942	-	PME 708	22-1-10	Abandoned on 6054-C
Howell Reg. Stn., Langley	-	467-2101.0 VG2642	GD 8031	4903-C	-	
64th Ave. @ 264th St., Langley	26.40	467-2102.2 VG2640	B 1566	5042-C	26-H-1	
Pipeline Crossing 232 St., Langley	-	-	N 43443 N 65448	-	23-1-2	Transmission 12" and 30" MTP
Pipeline Crossing Glover Rd., Langley	-	-	P 43858	-	21-H-5	Transmission 18" MTP
New Haven Borstal at 64th Ave. & Glover, Langley	-	467-2101.0 VG1877	D 1526	4401-C	21-H-3	Not constructed
Glover Rd. & R/W to East, Langley	-	467-2135.2 VG2057	-	956-C 1889 1091.0	22-1-3/2	
200th Street (at Logan Ave.), Langley	15.76	474-2135.2	FVm 1213	1074-C	20-H-9	Abandoned - see FV 1390, GC0 2685-C; A1 2067, 9064-C
216th St. & Glover Rd., Langley	19.90	467-2101.0 VG1990	B 1474	3946-C	22-1-8/7	
6591 Glover Rd., Langley	18.98	467-2135.2 VG1898	FVm 1276	-	21-H-3	
Smith Cres., Langley	-	VG1965	B 1546	4736-C	22-1-7	Cancelled
272nd St., Langley	-	467-2101.0 VG2757	B 1555	4739-C	26-H-9	
256th St., Langley	-	VG2528	B 1585	5460-C	25-1-11	
2 Spur Crossings East of 198th St., North of 56th Ave., Langley	-	-	-	5891-C	20-H-12	
Worrel Cres., Langley	-	VG1915	B 1610	6150-C	21-1-12	
Crush Cres., Langley	-	VG1942	A3 2529	6054-C 825768	22-1-10	
Eastleigh to Duncan Way, Langley	-	V(A)G1774	-	6349-C	21-H-11/ 10	Trackage removed - portion of R/W now road allowance
26750 - 62nd Ave., Langley	-	VG2682	A1 2096	8831-C	26-H-5	
200th St., Langley	15.76 17.13	467-2135.4 VG1712 V(A)G1712-A	FVm 1390 A1 2067	2685-C 9064-C	20-H-9	
Fraser Highway, South Side @ Production Way, Langley	-	VG1694	B 1800	8064-C	20-H-9/8	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GCO/GSO</u>	<u>Map No.</u>	<u>Remarks</u>
Tannery Rd., Surrey	1.81	414-2135.4 VG181-G	B 1262	2941-C	13-M-12	
129A St. @ 7700 Blk., Surrey	6.90	414-2103.7 VG690	B 1441	3086-C	14-J-12C	Gas senior to rail crossing
64th Ave., Surrey	9.75	VG975	FVm 1168	624-C	16-H-2	
56th Ave. (19400 Blk.), Surrey	16.25	467-2101.0 V(A)G1625	B 1392	2762-C	20-G-1	
56th Ave. (19400 Blk.), Surrey	-	-	-	3812-A	20-G-1	Gas senior to rail crossing
10619 Timberland (plant), Surrey	1.81	414-2135.4 VG181-F	-	2761-C 2454-C	13-L-3/2	Gas senior to spur track to Weldwood plant
Bridge St., Surrey	-	VG150	-	2275	14-M-7	
140th St., Surrey	-	414-2135.2 VG855	FVm 1070	85-C	15-I-12	
Tannery Rd., Surrey	1.81c	VG181c	-	1979	13-M-12	Abandon see GCO 2941-C
192nd St., Surrey	15.61	VG1561	FVm 1335	2042-C 2248-C 5037-C	20-G-4	
17444 56th Ave., Surrey	-	414-2101-0 VG1330	B 1522	-	18-G-2	
0705 Timberland Rd., Surrey	-	414-2101-0 VG181-J	B 1533	-	13-M-12	
96th Ave., Surrey	-	Dated 1957 10 24	FV 207	4500-C	13-K-3	
120th St., Surrey	3.47 Dist.3	Dated 1958 10 09	FV 537	3777-A	14-L-7	
132nd St., Surrey	-	Dated 1957 08 14	FV 168	-	15-I-1	
99th Ave., Surrey	-	-	FV 537 R1	3960-A	14-L-7	
10897 Timberland Rd., Surrey	-	-	FV 641 R1	7561-A	13-M-12	Abandoned see B 1794
144th St., Surrey	-	Dated 1959 08 13	FV 661	7697-A	16-I-10	
76th Ave. (West), Surrey	7.01 Dist.3	G-3005 Dated 1960 07 06	FV 168 R2	PME 307	15-I-1	
176th St., Surrey	-	Dated 1957 10 30	FV 252	3021-A	18-G-3	
168th St., Surrey	-	Dated 1957 09 11	FV 153	-	18-G-1	
168th St., Surrey	12.44 Dist.3	E-3003	GK 1095 FVCP 2	-	18-G-1	
124th St., Surrey	1.86 Dist.3	G-3001 Dated 1960 02 15	FV 721	468 9091-A	14-M-8	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GCO/GSO</u>	<u>Map No.</u>	<u>Remarks</u>
6th Ave. (East), Surrey	-	Dated 1959 06 23	FV 168 R1	7580-A	15-I-1	
152nd St., Surrey	-	-	B 1591	4886-C	16-H-6/3	
152nd St. & 64th Ave., Surrey (Bose Rd. Reg. Stn.)	-	VL1014	GD 8432 R1	3761-C	16-H-6	
11717 Tannery Rd., Surrey	-	VG181K	B 1580	-	13-M-12	Abandoned see B 1681
11717 Tannery Rd., Surrey	-	VG181R	B 1681	-	13-M-12	
130th St. North of 80th Ave., Surrey	-	VG653 VG653A	-	7167-C (cancelled) 7633-C	14-J-3/ 6/9	Not constructed
Cloverdale Industrial Park, 17400 56th Ave., Surrey	-	VG1320 (Replaces VG1322)	B 1719	7619-C	18-G-2	
17474 56th Ave., Surrey	-	VG1336	B 1742	-	18-G-2	
68th Ave., Surrey	-	VG835	A1 2003 *B 1761	7060-C	15-I-11	*Crossing on Dwg. B 1761 abandoned on completion of crossing on Dwg. A1 2003
54th Ave., Surrey	-	VG1597	B 1774	7698-C (cancelled)	20-G-1	
104th Ave., Surrey	-	VG263	B 1820	8586-C	14-L-2	
156th Ave., Surrey	-	VG1080	A3 2106	8963-C	17-H-7	Not constructed
Comber Way, Surrey	7.58	VG1712 VG758	B 1472	3717-C	15-I-4	
Hyland Rd. at 66th Ave., Surrey	-	Dated 1981 03 16	A3 2123	9324-C	16-H-1	
10909 Timberland Rd., Surrey	-	VG181L	A3 2444	27422	14-M-7	
132nd St., Surrey Kraft Foods Spur	-	414-2103.7 V741	B 1425	3040-C	15-I-1	Gas senior to rail crossing
13221 76th Ave., Surrey	-	-	-	7580-A	15-I-1	Gas senior to rail crossing
Pipeline Crossing, Roebuck/Tilbury Loop, Surrey	5.34 Dist.3	139(3)G Dated 1959 06 15	N 65394	-	14-J-2/1	Transmission -24" MTP
Pipeline Crossing, Roebuck/Tilbury Loop, Surrey	-	-	GD 10363	-	14-K-10	Transmission -36" MTP
Pipeline Crossing, 101A Ave., Surrey	-	-	P 43869	-	14-L-4	Transmission -18" MTP

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GCO/GSO</u>	<u>Map No.</u>	<u>Remarks</u>
Old Yale Rd., Surrey	2.19	414-2135.4 VG219	B 1393	2746-C	14-M-11	
Bridge St./Puttullo Gate Outlet, Surrey	-	-	X 43265	-	14-M-7	Metro gas system
Old Yale Rd. at Timberland, Surrey	-	Dated 1963 03 08	-	2018	14-M-7	
10711 Timberland, Surrey	½" service	-	-	-	13-M-12	
92nd Ave., Delta	-	Dated 1957 10 24	FV 208	-	14-K-4	

PART G - CROSSING PERMISSIONS

GAS MAIN CROSSINGS OF HYDRO RAIL TRACKAGE (METRO AREA)

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
Lakewood Dr crossing 30" trunk 1200 line inside 42" casing				76/84	8-P-12	
Lakewood Dr 3/4" running parallel to ROW				8678C/81	8-P-12	
Walker St - crossing 2H line crossing				644C/71	8-P-12	
Walker St 2H line running parallel to ROW				644C/71	8-P-12	
18" trunk 1200 line crossing ROW at Slocan St.				2358/84	9-0-1	
3H inside 8" casing crossing at Joyce				744C/71	9-0-9	
3/4H crossing between Smith & Kingsway				6947C/78	10-0-10	
6H crossing at Smith				31D/82	10-0-10	
2H crossing at Patterson				800/83	10-N-1	
4H crossing at Kathleen				9456/84	10-N-2	
2H crossing near Telford				169D/83	10-N-5	
2H crossing near Silver				169D/83	10-N-5	
2H crossing at McKay					10-N-5	
2H crossing at Cassie				9456/84	10-N-5	
2H crossing between Dow & Bonsor				3720/83	10-N-6	
2H service crossing west of Dow to serve Metrotown				34268/86	10-N-6	
6H crossing at Jubilee				4728B/65	10-N-9	

- 2 -

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
trunk crossing east of critt				950/83	11-N-7	
2H crossing at MacPherson				1790/83	11-N-7	
3H crossing at Royal Oak				37188/65	11-N-7	
2H crossing at Buller					11-N-11	
2H crossing at Gilley				800504/87	11-N-11	
2H crossing at Conway				R873/55	11-N-11	
2H crossing at Mission				2862C/73	11-N-12	
2H crossing Griffiths				5715A/58	11-N-12	
2H crossing at Salisbury				R583/41	11-N-12	
6T crossing near 18th Ave & 10th St				9982C/83	11-M-3	
2H crossing at Stride				50/84	11-M-3	
2H crossing near 14th Ave & 20th Street				17458/83	12-M-4	
1-1/4H crossing at 16th St					12-N-10	
6T crossing at 20th St					12-M-8	
4H crossing at Third Ave				42318/67	12-M-9	

PART G - CROSSING PERMISSIONS

GAS SERVICE LINE CROSSINGS OF HYDRO RAIL TRACKAGE (METRO AREA)

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
2nd St & BCPHA Railway			GK 29			
Gilmore Ave & BCPHA			GK 49			
Ewen Ave at Lawrence St			GK 119			
16th St between 5th and 7th Ave NW			GK 128			
22nd St and 7th Ave, Bby			GK 129			
BCPHA Rly 600' SE of Kingsway Burnaby			GK 141			
BCPHA Rly Crossing at Hastings Rd Richmond			GK 151			
BCPHA tracks at 3rd Ave & 13th St NW			GK 206			
BCPHA tracks at Columbia Royal Ave NW			GK 208			
BCPHA track at Ewen Ave & Jardine St NW			GK 217			
BCPHA R/W at Greenall Ave South Burnaby			GK 234			
BCPHA tracks at 3rd Ave & 14th St, NW Cross Ref CPR			GK 207			
BCPHA tracks at 637 Ft NPL Ewen Ave on Jardine St in Queensborough			GK 327			
BCPHA tracks at Earles St and Vanness Ave			GK 310			
BCER R/W - Annacis Island			GK 429			
BCPHA R/W on Griffiths Burnaby			GK 2454			
BCPHA R/W - Annacis Island			GK 2449			

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
Water service Jardine St Queensborough			GK 672			
Deresford and Daisy Ave Burnaby			GK 690			
Highway and BCHA Vancouver			GK 697			
Ewen and Furness ME 7245A			GK 795			
BCHA Spur Stanley and Ewen, Queensborough			GK 827			
Ewen & Howes, Queens- borough PLME 8283A			GK 897			
To serve Project No. 1195 Mnacas Island			GK 2445			
4" service crossing to serve Project 1195			GK 2444			
14th & 15th Ave on 20th St, NW			GK 2443			
BCHA Xing at 17th Ave & Arbutus			GK 1280			
1/4" TP service crossing BCHA 220' E of Stanley St on Ewen St, NW			GK 1458		N27	
3/4" service Xing, BCHA R/R at Ewen St & 193' Stanley St, NW			GK 1487	48262	N27	
3/4" TP service crossing BCHA Rly at 225' W of Eraser St, NW			GK 1508	48325	N27	
2" HP gas main Xing under V & LI R/R trestle Riverside Dr, Rmd, Cross Ref V & LI			GK 1537			

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
3" gas main Rly Xing A E of Derwent Way x 177' N N/PL of unnamed road			GK 1566	49004	P27	
1/2" service Xing BCHPA Rly at 681' W W/P1 Patterson Ave Bby			GK 1655	26952	I20	
1/2" service Xing BCHPA Rly at 110' South SWC Blackley on Mercer NW			GK 1734	57384	N27	
1/2" service Xing BCHPA Rly at 276' E NWC Stanley on Ewen, NW			GK 1845	58900	N27	
3/4" service Xing BCHPA R/W x Derwent Way North of Caldew St Annacis Island			GK 1851		P27	
Xing at Mercer & Ewen St Queensborough			GK 1864	61702	N27	
R/R Xing to serve Pacific Elevators Ltd. foot of bury St Vancouver			GK 2396	4530B	10A	
R/R Xing Ewen & Fenton			GK 2554	99935	027	
R/R Xing Ewen & Campbell			GK 2194			
R/R Xing Audley Blvd. & BCHPA R/W			GK 2593			
R/R Xing to serve 302 Ewen New Westminster	1.42		GK 2865	118393	026, 27	
R/R Xing to serve 1032 Ewen New Westminster	1.79		GK 2868	118427	026	
R/R Xing to serve 930 Ewen New Westminster		411-2135.4	GK 2878	118537	026	
R/R Xing 4" main on Front St and 880' E of 6th NW Cross Reference CNR			GK 2892	5098B(sec3)	WA8, L29	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
1/2" Xing 4" main on Front 10' W of Elliott NW			GK 2893	5098B9(sec4)	WA9,L29	
1/2 HP Service to 534 Ewen Ave NW		408-2135	GK 2913	118700	027	
HP main on Milton St Vcr Cross Ref CPR	5.77	PV 5843	GK 2914	5561B	86B	
2 HP main at First Ave & BCHPA R/R Vcr Cross Reference to CPR & V & LI	0.29	PV 4303	GK 2958	X23857		
HP at 16th St and 5th Ave NW Cross Reference V & LI and CN		PV 5877	GK 3042	6233B		
1/2 TP at Ewen Ave at Stanley			GK 3045	93942	N27	
HP Cliveden at BCHPA Annacis Island			GK 3047	5982B	Q27	
8 TP Slocan at BCHPA Vancouver	4.45		GK 3051	6261B	39A	
1/4" service Xing BCHPA Belgrave Way Annacis Way	0.20		GK 3085	94498	P27	
1/4 TP Service Xing BCHPA Sauder Industries NW		411-2135.4	GK 4010	77188	N28	
TP Xing at Fenton St on Salter	33.0	412-2135.4	GK 4026	7015B	027	
1/2" HP Xing BCHPA Furniss at on Ewen NW		411-2135.4	GK 4028	7609B	N28	
1/2 HP Xing BCHPA Stanley on NW			GK 4034	7718B	N27,N28,027	
1-1/4 TP Serv Cartwright at Johnson Reference NHB			GK 4039	86741	22D	
2 HP Xing Watling & Buller			GK 4055	7334B		
1/2 TP Xing BCHPA R/R at Crompton St on Kent Ave South Vancouver			GK 4073	7911B	82C	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
3/4" TP Xing at Johnston on Duncan National Harbour Road			GK 4080	89101		Approved By Letter
3/4" TP Xing at Anderson & Duncan National Harbour Road			GK 4081	88198		
1 1/2" HP service Xing Mercer Duncan		411-2135.4	GK 4101	139911	N27	
3/4" HP service Xing BCHPA R/R at 811 Cundy Annacis Is	0.30	411-2135.4	GK 4239		Q27	
Prop 1-1/4" HP service to 794 Derwent Way, Annacis Is		411-2135.4	GK 4266			
Prop 4" HP Xing BCHPA on Gifford St NW		411-2101.1	GK 4261	177C	026	
Prop 4" TP Xing BCHPA on V & LI CBR R/W at Ash St	0.64	PV-6120	GK 4277	317C	84B	
TP Xing BCHPA on CPR, BCHPA & V & LI R/W at Weather St Vancouver	0.49	PV-6122	GK 4279	317C	84B	
1-1/4" H Serv to 644 Derwent Way Annacis Is Delta		411-2135.4	GK 4296		P27	
4" H Xing BCHPA R/R at Columbia St NW	0.17		GK 4287		447C	WB4
1/2" T service to Whistler equipment on Granville Isl Xing BCHPA on Johnston St			GK 4319		22D	
3/4" H serv to 785 Derwent Way Annacis Island Delta	0.49	412-2101.0	GK 4334		Q27	
2H main Silver & Petersford Burnaby	5.49		GM 4337	929C		
2H Xing at Smith & Kingsway Burnaby	6.28	465-2102.2	GM 4351	1030C		

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1 1" H Xing BCHA at Edmonds & ith St Dist of Bby	1.19	465-2135.4	GK 4379	1420	K25	
1-1/4" H service to 15-711-721-731 Derwent way Xing BCHA R/R	0.51	411-2135.4	GM 4381		P27	
-1/4" H to 350 Columbia St ing BCHA on Front St	0.67		GA 4412		WA9	
2/4" H Xing BCHA R/R t 199'6" S of NWC Larrall & Keefer St Vcr		457-21354	GA 4455	2399		
1/4" H service to .272 Kingsway Xing BCHA R/W at Edmonds St S of Kingsway Burnaby		465-2101	GA 4474		J25	
2 H Xing BCHA R/R at Fwen Ave & Hampton St ueensborough			GA 4696	3224C	026,P26	
1/2 H service Xing PA R.R to serve Belgrave Way Annacis Is			GA 4706		P27	
" H Xing BCHA R/R at Caldew Street & Belgrave Way			GA 4729	4110C	P27	
" H Xing BCHA R/R at 14th Ave on 19th St			GA 4731	3939C	L25	
-1/4 H serv Xing to 610 Derwent Way Annacis Island			GA 4733	51469	P27	
1/2 H serve to 319 Ewen Avenue New West Xing CHA R/R			GA 4756	59759	N27	
6 H main Xing new BCHA R/W spur Boundary Rd Richmond			GA 4796	47175		

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
() serv Xing BCHPA near Smith & Kingsway Burnaby			GA 4808		H20,120	
4 H serv to Tree Is. Steel Co Boundary Rd Richmond			GA 4812		026	
3/4 H main Xing R/W at Smith and Vanness			GA 4822	4960C	H20,120	
1/2 T service Xing spur lines to 927 Derwent way Annacis Island			GA 4863	50947		
H main (prop) Xing BCHPA R/A at Beresford & Cassie			GA 4874	5296C	I21	
T (175) main Xing BCHPA R/R at Annacis Island Parkway & Pembina			GA 4881	5436C		
T (175) Xing BCHPA R/R at Dock Rd and Annacis Island Parkway			GA 4882	5436C	027	
Exist 6 T main Xing BCHPA Spur on 20th Ave & 20th St Burnaby			GA4923		K24	
2 H main Xing BCHPA spur at Gilley and Humble Burnaby			GA 4928	5570C	K24	
5 H main Xing BCHPA on Taylor N of Georgia Viaduct			GA 4974	5615C	7-20	
1 T serv Xing prop. BCHPA Spur to serve 1010 Derwent Way			GB 4984			
Exist. 6 H Xing BCHPA R/R 29th and Kalso			GA 4721	3895C	39B	
2 T serv Xing BCHPA Rly E of Derwent & N of Calden			GA 5075		P27	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
1/4 H main Xing BCHPA Rly on Cliveden Ave, W of Carlisle Annacis Is			GA 5152	7387C	AN2	
1/4 T main Xing BCHPA Rly on Cliveden Ave E of Chester Rd Annacis Island (AN-2)			GA 5192	7957C		
1/4 H main Xing BCHPA Rly on Mercer St 148' of Blackley St NW			GA 5202	8067C	N27	
3/4 H main Xing BCHPA Rly on 23rd St S of 10th Avenue NW			GA 5237	8496C		
2 H main Xing BCHPA Rly on Beresford St E of Miller Ave Burnaby (K-23)			GA 5285	8717C	K23	
3/4 H serv Xing BCHPA Rly to serve 721 Alford Ave Annacis Island			GA 5288		AN3	
1/4 T serv Xing Rly N of Belgrave Way 118' W of BCHPA R/W NW			GA 5436		P27	
1/4 T Xing BCHPA Rly 10th Ave at Meadow Ave Bby			GA 5437	9735C	M24	
1 H main Xing BCHPA Rly on Patterson Ave & Beresford St Burnaby			GB 5463	80D	I20	
1 H main Xing BCHPA Rly on Smith Ave & Kingsway, Burnaby			GB 5464	ID	H20	
20 T main Xing BCHPA Rly E of Daisey Ave on S Beresford St			GA 5472	95D	J23, K23	
2 H main Xing BCHPA Rly E of Dow & Beresford Burnaby			GA 5475	168D	J21	
2 H Xing BCHPA Rly on Sussex Ave Bby			GA 5476	169D	J21, I21	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
Xing BCHPA Rly on McPherson Ave at Beresford St Bby			GA 5478	179D	J23	
3/4 H main Xing BCHPA Rly on 20th St & Stride Ave Burnaby			GA 5480	191D	L25	
5 T main Xing BCHPA Rly 120-1/2' N of 18th Ave & E of 20th St Burnaby			GA 5488	9982C	K24,25	
2 H main Xing BCHPA Rly on London St W of 23rd St NW			GA 5501	283D		
1/2 H service Xing BCHPA Rly to 309 Jardine St NW			GA 5507		026	
3/4 H service Xing BCHPA Rly at 236 Front St			GA 5523		WA9	
4 main Xing BCHPA at Stride & 20th			GB 5544	000050	L25	
2 H main Xing BCHPA R/W at Beresford & Cassie			GA 5565	009456	I21	
2 H main Xing BCHPA R/W at Beresford & Kathleen			GA 5566	009456	10-N-2	
NPS 4AIR (420)/T (700) main Xing BCHPA Rly at Annacis Island Causeway			GA 5638	029925	12-L-9	
2 H Xing BCHPA at 6th & Front, NW			GA 5641	035151	13-M-8	
NPS 1/2 H serv Xing BCHPA Rly to serve 105 E Ewen St NW			GA 5656		12-L-3	
1-1/4" H service Xing BCHPA Rly to serve 102 Ewen St NW			GA 5669		12-L-3	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
/4 H service branch Xing BCHA Rly to serve : 5 A Ewen Avenue NW			GA 5707		12-L-3	

**AMENDED
DISCLOSURE SCHEDULE 8
[Mainland Gas]**

DELAYED ASSETS

PART H - LICENCES

Licences will be granted to the Purchaser for its works located on the lands described in the schedules attached hereto and in Disclosure Schedule 8, Part G except in those instances where:

- (i) the Purchaser will receive the Granted Right of Way Agreements (Part C of Disclosure Schedule 8) in respect of its works;
- (ii) the location of its works is not on lands owned by Hydro in fee simple.

PART I - COMPUTER SOFTWARE

For each of the systems and sub-system components listed below, B.C Hydro commits to provide their complete Documentation Repository, inclusive of but not restricted to all pertinent computer-resident program files and operational data related to the Gas Division, and the System Development and Implementation Documentation produced for each sub-system during the development cycle prescribed under Hydro's standard SPECTRUM METHODOLOGY or such other methodology used, to B.C. Gas Inc.; except where a system utilizes software that is proprietary to other than B.C. Hydro as a component of the overall system B.C. Gas will need to acquire their own licenses/permits to utilize that proprietary software.

[Mainland Gas]

DELAYED ASSETS

LICENCES TO BE GRANTED TO GAS PURCHASER OVER HYDRO FEE OWNED MAIN CORRIDOR
(PERMITTED EXCEPTIONS TO FRASER VALLEY RAIL CORRIDOR LICENCE)

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GCO/GSO</u>	<u>Map No.</u>	<u>Remarks</u>
Knight Rd., Chilliwack	-	Dated 1958 11 05	FV 578	3952-A	42-J-11	
Hocking Ave., Chilliwack	-	Dated 1957 11 13	FV 281 FV 332	-	42-K-11	
Vedder Rd., Chilliwack	-	Dated 1957 10 30	FV 291	-	42-I-1	
Spruce Dr., Chilliwack	-	Dated 1957 10 30	FV 291	-	42-I-4	
South Sumas Rd., Chilliwack	59.18	VG5918	FVm 879 B 1064	1298	41-H-1	
Unsworth Rd., Chilliwack	59.31	Dated 1962 06 26	-	1362 (Abandoned)	41-I-11 41-H-2	See GCO 4889-C
Yarrow Central Rd., Chilliwack	55.75 Dist.3	VG5575	FVm 940	Applied 1954 Installed 2321	39-F-3	
Wilson Rd., Chilliwack	Dist.3	-	-	1948	39-F-6	See GCO 122-C
South Sumas Rd., Chilliwack	-	474-2135.4 VG5918 & VG5918A	FVm 1064 FVm 879	69-C 1298	41-H-1	
Lickman Rd., Chilliwack	58.55	VG5855	FVm 1211	1125-C	40-H-6	
Unsworth Rd., Chilliwack	-	474-2101-0 VG5931	B 1559	4889-C	41-I-11 41-H-2	
Wilson Rd., Chilliwack	-	VG5524	-	122-C	39-F-6	
45823 Railway Ave., Chilliwack	-	VG6332	B 1708	-	42-K-8	
Keith Wilson Rd., Chilliwack	57.39	VG5739	B 1766	7511-C	40-H-10	
R/W North of Hocking Ave. (Relocation of 10" & for sewer work), Chilliwack	-	VG6250	-	9574-C	42-K-8	Not constructed
Airport Rd., Chilliwack	62.71	VG6271	-	2087-C	42-K-11	
45744 Yale Rd. West n/o Hocking Ave., Chilliwack	-	VG6250	A3-2201	303-Y	42-K-8	
Del Air Rd., Abbotsford	-	Dated 1957 10 24	FV 236	-	32-D-12	Abandoned on FV 598
Del Air Rd., Abbotsford	41.27	VG4073	FV 598	5902-A	32-D-12	Abandoned on CL01024-D

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GCO/GSO</u>	<u>Map No.</u>	<u>Remarks</u>
Hazel St., Abbotsford	-	-	FV 22	-	32-E-11	Abandoned, see GCO 2349-C
Vye Rd., Abbotsford	-	Dated 1962 03 30	-	1268	32-C-12	
South of Vye Rd., Abbotsford	-	-	GK 1279	-	33-C-10 32-C-12	
Service to Stores #36, Abbotsford	39.17	VG3917	-	1393	32-E-11	
Marshall Rd., Abbotsford	7.63	VG4040	FV _m 1053	-	32-D-9	
4th Ave., Abbotsford	-	VCA264	FV _m 1132	883-C	33-B-4	
Riverside Rd. to Cyril St. South of Sentinel, Abbotsford	-	VCA013	B 1753	7085-C	32-D-6	
Hazel St., Abbotsford	-	472-2125.4 VG3927	-	2349-C	32-E-11	
Sumas Way at 1st Ave., Abbotsford	-	VG4284	A3 2133	8945-C	33-B-7	
34501 Vye Rd., Abbotsford	-	VG4188	A3 2226	-	32-C-12	
Lamson Rd., Abbotsford	-	VG4631	A3 2514	825237	35-C-10	Not constructed
Fadden Rd., Abbotsford	-	VG4581	A3 2519	825498	34-C-12	
3623 Vye Rd., Abbotsford	-	VG4934	A3 2399	14720	37-C-10	
Marion Rd., Abbotsford	-	VG4882	A3 2234	9978-C	36-C-12	
Arnold Rd., Abbotsford	-	VG4827	A3 2235	9978-C	36-C-11	
Townshipline Rd., Matsqui	-	64-5-69	-	2319	31-G-12	Cancelled August 1964 - see GCO 1224-C
Mt. Lehman Rd., Matsqui	-	VG3193	FV _m 1009	2469	29-H-8	
Bradner Rd., Matsqui	29.27	VG2927	FV _m 1039	-	-	
3013 Turner Rd., Matsqui	38.81	VG3881	-	1073	32-E-8	
Clayburn Rd., Matsqui	37.04 FV Branch	470-2135.4 VG3704	D 1361	2518-C	32-F-2	
33826 Morey Rd., Matsqui	39.07	470-2135.4 VD3907	FV _m 1226	-	32-E-11	
Townshipline Rd., Matsqui	35.98	470-2135.2 VG3598	FV _m 1224	4589-C	31-G-12	Not constructed
Glenmore Rd., Matsqui	34.37	VG3437	FV _m 1225	1224-C	30-G-3	
MacClure Rd., Matsqui	38.56	VG3856	FV _m 1346	2078-C	32-E-5	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GCD/GSO</u>	<u>Map No.</u>	<u>Remarks</u>
3067 Turner Rd., Matsqui	-	470-2103.7 V3880	B 1459 R1	-	32-E-5	
Rand Rd., Matsqui	-	467-2101.0 VG2902	B 1573	4938-C	27-G-2	
Burgess Rd., Matsqui	-	VG3232	A3 2471	32099	29-H-9	
Ross Rd., Matsqui	-	VG3085	FVn 1316	1982-C	28-H-12	
Turner Rd., Matsqui	-	64-5-67 VG3870	-	2209	32-E-8	
56th Ave. at Baynes Rd., Matsqui	-	VG2837	B 1606	6137-C	27-G-1	
Baynes Rd., Matsqui	-	VG2831	-	825452	27-G-1	
Riverside Rd., Matsqui	40 + 14	-	X 43421 (B.C. Eng.)		32-F-1	
Riverside Rd., Matsqui	-	VG3664	B 1656	6081-C	32-F-1	
Industrial Ave., Matsqui	-	VG3832 (Supercedes VG3831)	B 1730	7185-C	26-H-1	
Crush Cres., Langley	-	VG1942	-	PME 708	22-1-10	Abandoned on 6054-C
64th Ave. @ 264th St., Langley	26.40	467-2102.2 VG2640	B 1566	5042-C	26-H-1	
New Haven Borstal at 64th Ave. & Glover, Langley	-	467-2101.0 VG1877	D 1526	4401-C	21-H-3	Not constructed
Glover Rd. & R/W to East, Langley	-	467-2135.2 VG2057	-	956-C 1889 1091.0	22-1-3/2	Linear, culvert
200th Street (at Logan Ave.), Langley	15.76	474-2135.2	FVn 1213	1074-C	20-H-9	Abandoned - see FV 1390, GCO 2685-C; A1 2067, 9064-C
216th St. & Glover Rd., Langley	19.90	467-2101.0 VG1990	B 1474	3946-C	22-1-8/7	
6591 Glover Rd., Langley	18.98	467-2135.2 VG1898	FVn 1276	-	21-H-3	
Smith Cres., Langley	-	VG1965	B 1546	4736-C	22-1-7	Cancelled
272nd St., Langley	-	467-2101.0 VG2757	B 1555	4739-C	26-H-9	
256th St., Langley	-	VG2528	B 1585	5460-C	25-1-11	
Worrel Cres., Langley	-	VG1915	B 1610	6150-C	21-1-12	
Crush Cres., Langley	-	VG1942	A3 2529	6054-C 825768	22-1-10	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GCO/GSO</u>	<u>Map No.</u>	<u>Remarks</u>
26750 - 62nd Ave., Langley	-	VG2682	A1 2096	8831-C	26-H-5	
200th St., Langley	15.76 17.13	467-2135.4 VG1712 V(A)G1712-A	FVm 1390 A1 2067	2685-C 9064-C	20-H-9	
Fraser Highway, South Side @ Production Way, Langley	-	VG1694	B 1800	8064-C	20-H-9/8	
Fraser Highway, North Side @ Production Way., Langley	-	-	-	-	20-H-9	Gas senior to rail crossing
62nd Ave., West of 268th St., Langley	-	VG2682	A3 2500	825334	26-H-5	
6710 - 256th St., Langley	-	VG2581	A3 2361	2698	25-I-12	
11105 Bridge St., Surrey	1.81 FV Branch	414-2135.4 VG181-H	B 1457	-	14-H-7	
152nd St., Surrey	10.15 Dist.3	Dated 1958 09 24	FV 515	3687-A	16-H-6/3	
142nd St., Surrey	8.73 Dist.3	139(3)G	FV 539	3733-A	15-I-12	Not constructed
72nd Ave., Surrey	-	Dated 1957 08 14	FV 166	-	15-I-4	
90th Ave., Surrey	-	Dated 1957 08 14	FV 88	-	14-J-9	
88th Ave., Surrey	-	Dated 1958 03 25	FV 564	3895-A	14-K-10	
120th St., Surrey	-	Dated 1957 08 14	FV 95	-	-	
184th St., Surrey	-	414-2135.4 VG1464	FVm 1078	160-C 738-C	19-G-5	
64th Ave., Surrey	9.75	VG975	FVm 1168	624-C	16-H-2	
56th Ave. (19400 Blk.), Surrey	16.25	467-2101.0 V(A)G1625	B 1392	2762-C	20-G-1	
56th Ave. (19400 Blk.), Surrey	-	-	-	3812-A	20-G-1	Gas senior to rail crossing
140th St., Surrey	-	414-2135.2 VG855	FVm 1070	85-C	15-I-12	
192nd St., Surrey	15.61	VG1561	FVm 1335	2042-C 2248-C 5037-C	20-G-4	
17444 56th Ave., Surrey	-	414-2101-0 VG1330	B 1522	-	18-G-2	
96th Ave., Surrey	-	Dated 1957 10 24	FV 207	4500-C	13-K-3	
120th St., Surrey	3.47 Dist.3	Dated 1958 10 09	FV 537	3777-A	14-L-7	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GCO/GSO</u>	<u>Map No.</u>	<u>Remarks</u>
132nd St., Surrey	-	Dated 1957 08 14	FV 168	-	15-I-1	
99th Ave., Surrey	-	-	FV 537 R1	3960-A	14-L-7	
144th St., Surrey	-	Dated 1959 08 13	FV 661	7697-A	16-I-10	
76th Ave. (West), Surrey	7.01 Dist.3	G-3005 Dated 1960 07 06	FV 168 R2	PME 307	15-I-1	
176th St., Surrey	-	Dated 1957 10 30	FV 252	3021-A	18-G-3	
168th St., Surrey	-	Dated 1957 09 11	FV 153	-	18-G-1	
168th St., Surrey	12.44 Dist.3	E-3003	GK 1095 FVCP 2	-	18-G-1	
124th St., Surrey	1.86 Dist.3	G-3001 Dated 1960 02 15	FV 721	468 9091-A	14-M-8	
76th Ave. (East), Surrey	-	Dated 1959 06 23	FV 168 R1	7580-A	15-I-1	
152nd St., Surrey	-	-	B 1591	4886-C	16-H-6/3	
130th St. North of 80th Ave., Surrey	-	VG653 VG653A	-	7167-C (cancelled) 7633-C	14-J-3/ 6/9	Not constructed
Cloverdale Industrial Park, 17400 56th Ave., Surrey	-	VG1320 (Replaces VG1322)	B 1719	7619-C	18-G-2	
17474 56th Ave., Surrey	-	VG1336	B 1742	-	18-G-2	
68th Ave., Surrey	-	VG835	A1 2003 *B 1761	7060-C	15-I-11	*Crossing on Dwg. B 1761 abandoned on completion of crossing on Dwg. A1 2003
54th Ave., Surrey	-	VG1597	B 1774	7698-C (cancelled)	20-G-1	
104th Ave., Surrey	-	VG263	B 1820	8586-C	14-L-2	
156th Ave., Surrey	-	VG1080	A3 2106	8963-C	17-H-7	Not constructed
Hyland Rd. at 66th Ave., Surrey	-	Dated 1981 03 16	A3 2123	9324-C	16-H-1	
13221 76th Ave., Surrey	-	-	-	7580-A	15-I-1	Gas senior to rail crossing
Old Yale Rd., Surrey	2.19	414-2135.4 VG219	B 1393	2746-C	14-M-11	
92nd Ave., Delta	-	Dated 1957 10 24	FV 208	-	14-K-4	

**[Mainland Gas]
DELAYED ASSETS**

**LICENCES TO BE GRANTED TO GAS PURCHASER OVER HYDRO FEE OWNED MAIN CORRIDOR
(PERMITTED EXCEPTIONS TO CENTRAL PARK CORRIDOR LICENCE)**

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
22nd St & BCHA Railway			GK 29			
16th St between 5th and 6th Ave NW			GK 128			
BCHA Rly 600' SE of Kingsway Burnaby			GK 141			
BCHA tracks at Earles St and Vanness Ave			GK 310			
BCHA R/W on Griffiths S. Burnaby			GK 2454			
Kingsway and BCHA Vancouver			GK 697			
1/2" service Xing BCHA Rly at 681' W W/P1 Patterson Ave Bby			GK 1655	26952	120	
18 TP Slokan at BCHA Vancouver	4.45		GK 3051	6261B	39A	
2H main Silver & Beresford Burnaby	5.49		GM 4337	929C		
6H Xing at Smith & Kingsway Burnaby	6.28	465-2102.2	GM 4351	1030C		
1-1/4" H Xing BCHA R/R at Edmonds & 16th St Dist of Bby	1.19	465-2135.4	GK 4379	1420	K25	
3/4 H serv Xing BCHA near Smith & Kingsway Burnaby			GA 4808		H20,120	
3/4 H main Xing R/W at Smith and Vanness			GA 4822	4960C	H20,120	
2 H main (prop) Xing BCHA R/A at Beresford & Cassie			GA 4874	5296C	I21	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
H main Xing BCHA Spur at Gilley and Rumble Burnaby			GA 4928	5570C	K24	
Exist. 6 H Xing BCHA R/R 29th and Kalso			GA 4721	3895C	39B	
3/4 H main Xing BCHA Rly on 23rd St S of 8th Avenue NW			GA 5237	8496C		
2 H main Xing BCHA Rly on Beresford St E of Buller Ave Burnaby (K-23)			GA 5285	8717C	K23	
2 H main Xing BCHA Rly on Patterson Ave & Beresford St Burnaby			GB 5463	80D	I20	
6 H main Xing BCHA Rly on Smith Ave & Kingsway, Burnaby			GB 5464	ID	H20	
20 T main Xing BCHA Rly E of Daisey Ave S Beresford St			GA 5472	95D	J23, K23	
2 H main Xing BCHA Rly E of Dow & Beresford Burnaby			GA 5475	168D	J21	
2 H Xing BCHA Rly on Sussex Ave Bby			GA 5476	169D	J21, I21	
2 H Xing BCHA Rly on McPherson Ave & Beresford St Bby			GA 5478	179D	J23	
3/4 H main Xing BCHA Rly on 20th St & Stride Ave Burnaby			GA 5480	191D	L25	
6 T main Xing BCHA Rly 120-1/2' N of 18th Ave & E of 20th St Burnaby			GA 5488	9982C	K24, 25	
2 H main Xing BCHA Rly on London St W of 23rd St NW			GA 5501	283D		

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
H main Xing BCHA R/W at Stride & 20th			GB 5544	000050	L25	
2 H main Xing BCHA R/W at Beresford & Cassie			GA 5565	009456	I21	
2 H main Xing BCHA R/W at Beresford & Kathleen			GA 5566	009456	10-N-2	

DELAYED ASSETSLICENCES TO BE GRANTED TO GAS PURCHASER OVER HYDRO FEE OWNED MAIN CORRIDOR
(PERMITTED EXCEPTIONS TO CENTRAL PARK CORRIDOR LICENCE)

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
Lakewood Dr crossing 30" trunk 1200 line inside 42" casing				76/84	8-P-12	
Lakewood Dr 3/4" running parallel to ROW				8678C/81	8-P-12	
Walker St - crossing 2H line crossing				644C/71	8-P-12	
Walker St 2H line running parallel to ROW				644C/71	8-P-12	
18" trunk 1200 line crossing ROW at Slocan St				2358/84	9-0-1	
3H inside 8" casing crossing at Joyce				744C/71	9-0-9	
4H crossing between th & Kingsway				6947C/78	10-0-10	
6H crossing at Smith				31D/82	10-0-10	
2H crossing at Patterson				800/83	10-N-1	
4H crossing at Kathleen				9456/84	10-N-2	
2H crossing near Telford				169D/83	10-N-5	
2H crossing near Silver				169D/83	10-N-5	
2H crossing at McKay					10-N-5	
2H crossing at Cassie				9456/84	10-N-5	
2H crossing between Dow & Bonsor				3720/83	10-N-6	
2H service crossing west of Dow to serve Metrotown				34268/86	10-N-6	
6H crossing at Jubilee				4728B/65	10-N-9	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
crossing at MacPherson				1790/83	11-N-7	
3H crossing at Royal Oak				37188/65	11-N-7	
2H crossing at Buller					11-N-11	
2H crossing at Gilley				800504/87	11-N-11	
2H crossing at Conway				R873/55	11-N-11	
2H crossing at Mission				2862C/73	11-N-12	
2H crossing Griffiths				5715A/58	11-N-12	
2H crossing at Salisbury				R583/41	11-N-12	
6T crossing near 18th Ave & 10th St				9982C/83	11-M-3	
2H crossing at Stride				50/84	11-M-3	
1-1/4H crossing at 16th St					12-N-10	

DISCLOSURE SCHEDULE 9
[Mainland Gas]

EXCLUDED ASSETS

Nil

<u>Account #</u>	<u>Description</u>
OTHER ASSETS	
1	Cash and bank accounts
60	Temporary investments
171	WIP - General work orders
174	Deposits on Sundry Accounts Receivable
176	Work in process - Rec Gas Operations
261	WIP - Manufacturing tax
700	Unallocated charges suspense
740	Undistributed General Work Orders
781	Investment in other companies
1600	Sinking fund assets
1910	Accumulated amortization - CIAC
0070-0089	Funds held by trustees
8	Imprest funds - CNG cylinders
600-641	Intercompany balances
502-519	Investment in subsidiary companies
800-852	Unamortized expenses

AMENDED
DISCLOSURE SCHEDULE 10
(MAINLAND GAS)
EXCLUDED CURRENT ASSETS

<u>Account #</u>	<u>Description</u>
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CURRENT ASSETS

ACCOUNTS RECEIVABLE

105	Employee loans
106	Salary and Wage Advances
108	Employee advances - WCB
109	Employee advances - Income continuance
118	Deferred Electric and Gas accounts receivable
120	Electric and Gas accounts receivable
121	Electric and gas interim billings
123	Sundry accounts receivable
131	Equal pay billings
170	WIP - Other receivables
172	Travel advances
173	Employee air tickets (advances)
177	WIP - Receivable MDOs
415	Commercial/Industrial Gas conversion loans
416	Gas fireplace loans
417	Mobile Home Park - CIA loans
419	Compressed natural gas loans
420	Natural gas vehicles loans
185	Provision for doubtful debts

MATERIALS & SUPPLIES INVENTORY

212	Gasoline stock - vehicles
213	Diesel fuel stock - vehicles
214	Lube oil stock - vehicles
240	General supplies
290	Provision for obsolescence
245	Office Stationery and Supplies
235	NGV Cylinders

PREPAID EXPENSES

763	Service Vehicle Licenses
764	Prepaid Rent
765	Meter Postage on Hand
770	Prepaid insurance

AMENDED

DISCLOSURE SCHEDULE II

(MAINLAND GAS)

EXCLUDED CURRENT LIABILITIES

<u>Account #</u>	<u>Description</u>
CURRENT LIABILITIES - EMPLOYEE RELATED	
1010	Unpaid wages liability
1011	Accrued salaries
1012	Vacation/Overtime bank liability
1013	Quarter day/vacation bank liability
1015	Accrued wages
1028	Outstanding Payroll Cheques Written Off
1030	Accrued overtime salaries
1031	Sick leave bridge/Reduced UI premiums
1043	Gas Irrevocable Short Work Year Leave
1049	CPP - Employer contributions
1050	Current pension - Employer
1051	MSP liability
1052	Workers compensation
1053	EHC liability
1054	Group Insurance Voluntary
1056	Group insurance liability
1057	Pensioner Death benefit
1058	Short work year leave liability
1059	Vacation and reduced work week leave liability
1060	Severance pay
1061	Retirement leave
1062	Enhanced pension liability
1064	CPP - Employee contributions
1065	Income continuance liability
1067	Deferred retirement & termination payments
1070	Sundry pay deductions
1071	Pension - Employee contributions
1072	Canada savings bonds deductions payable
1076	Employee donation deductions
1077	UIC premiums
1078	Employee rent
1080	OTEU dental plan
1081	SPC dental plan
1082	Voluntary additional income continuance
1085	Executive dental plan
1086	IBEW Gas dental plan
1089	Pre retirement leave
1094	Provision for enhanced pension - PSL
1098	Provision for employee comp (ERIP)
1410	Income tax deductions

<u>Account #</u>	<u>Description</u>
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CURRENT LIABILITIES - OTHER

	Warranties payable
121	Electric & Gas Interim Billings (Credit)
131	Equal pay billings (Credit)
174	Deposits on sundry accounts receivable
405	Defd Int - Comm/Ind gas conversions
406	Defd Int - Gas fireplace loans
407	Defd Int - Gas connections
409	Defd Int - Compressed natural gas
1003	Short term borrowing
1108	Refunds payable
1110	Natural gas vehicle coupon liability
1120	CNG Warranty Fund
1150	Accounts payable
1152	Accrued Liabilities
1153	Goods & Services Received Liabilities
1157	Compressed natural gas cylinders
1160	Holdbacks payable
1288	Undistributed Customer pre-payment
1354	Land purchase deposits
1355	Sundry Contractor deposits
1359	Refundable Contributions in Aid
1393	Provision for Accident Costs - Gas
1420	Taxes payable (except property tax)
1430	Regional transit levy
1440	Social services tax
1484	Defd revenues - gas rate stabilization
1485	Market development - natural gas vehicle

LIABILITIES (NON-CURRENT)

	Bonds (& accrued interest)
	Bonds - Sinking fund reserve
1201	Customer security deposits
1206	Interest on security deposits
1291	CIA Control Suspense
1900	Contribution in aid of construction

DISCLOSURE SCHEDULE 12
[Mainland Gas]

GAS DISTRIBUTION SYSTEM

British Columbia Hydro and Power Authority ("B.C. Hydro") Gas Operations means, with respect to Lower Mainland Gas Operations, the business comprising those natural gas operations authorized by certain Municipal Agreements and certain Certificates of Public Convenience (as amended from time to time). Pursuant to the Operating Authorizations, the Utilities Commission Act, and the Public Utilities Act, B.C. Hydro and B.C. Hydro's predecessor companies, were permitted, inter alia, to construct, operate and maintain natural gas transmission, distribution and storage facilities which currently supply natural gas to the public, for compensation, in a geographic area which includes various municipalities.

Liquefied Natural Gas Plant - Tilbury Island including:

- land, Control Building, pump house, Compressor Building, Storage tank and containment dyke,
- Instrument & Control equipment, liquefaction and vaporization equipment, fire protection, detection and security equipment
- Sundry tools and work equipment

Line Break stations on the following bridges:

Oak Street, Burrard Street, Knight Street, 2nd Narrows and Patullo.

Gate Stations including land and measuring and regulating equipment at ten sites as detailed in the Summary of Assets at 31 March 1988.

Measuring & Regulating Equipment on public streets or industrial sites, as detailed in the Summary of Assets at 31 March 1988.

Meters installed at various locations throughout the Lower Mainland Service area, as listed in the Summary of Assets at 31 March 1988.

Land, Buildings at Fraser Valley and Lochburn distribution centers, Sundry muster point locations including furniture, shop, laboratory and work equipment and tools as listed in the Summary of Assets at 31 March 1988.

<u>MAINS</u>	<u>DESCRIPTION/ PIPE SIZE</u>	<u>KILOMETERS</u>
ABBOTSFORD DISTRICT		0.000
ABBOTSFORD DISTRICT	0.50 "	0.240
ABBOTSFORD DISTRICT	0.75 "	23.165
ABBOTSFORD DISTRICT	1 "	0.083
ABBOTSFORD DISTRICT	1.25 "	35.811
ABBOTSFORD DISTRICT	2 "	71.375
ABBOTSFORD DISTRICT	3 "	4.450
ABBOTSFORD DISTRICT	4 "	23.638
ABBOTSFORD DISTRICT	6 "	15.163
ABBOTSFORD DISTRICT	8 "	0.450
ABBOTSFORD DISTRICT	12 "	0.213
Subtotal		176.781
BURNABY DISTRICT - BARNET		0.000
BURNABY DISTRICT - BARNET	0.50 "	1.216
BURNABY DISTRICT - BARNET	0.75 "	67.541
BURNABY DISTRICT - BARNET	1 "	0.785
BURNABY DISTRICT - BARNET	1.25 "	60.718
BURNABY DISTRICT - BARNET	1.50 "	4.425
BURNABY DISTRICT - BARNET	2 "	306.255
BURNABY DISTRICT - BARNET	3 "	27.513
BURNABY DISTRICT - BARNET	4 "	41.784
BURNABY DISTRICT - BARNET	6 "	59.725
BURNABY DISTRICT - BARNET	8 "	3.081
BURNABY DISTRICT - BARNET	10 "	1.041
BURNABY DISTRICT - BARNET	12 "	6.980
BURNABY DISTRICT - BARNET	16 "	0.243
BURNABY DISTRICT - BARNET	20 "	19.711
Subtotal		601.154

<u>MAINS</u>	<u>DESCRIPTION/ PIPE SIZE</u>	<u>KILOMETERS</u>
DISTRICT OF CHILLIWACK		0.000
DISTRICT OF CHILLIWACK	0.50 "	0.407
DISTRICT OF CHILLIWACK	0.75 "	37.460
DISTRICT OF CHILLIWACK	1 "	1.246
DISTRICT OF CHILLIWACK	1.25 "	80.366
DISTRICT OF CHILLIWACK	2 "	176.977
DISTRICT OF CHILLIWACK	3 "	8.271
DISTRICT OF CHILLIWACK	4 "	80.402
DISTRICT OF CHILLIWACK	6 "	4.660
DISTRICT OF CHILLIWACK	8 "	0.983
DISTRICT OF CHILLIWACK	10 "	4.433
Subtotal		395.205
COUITLAM DISTRICT		0.000
COUITLAM DISTRICT	0.50 "	0.528
COUITLAM DISTRICT	0.75 "	56.357
COUITLAM DISTRICT	1.25 "	84.853
COUITLAM DISTRICT	1.50 "	2.358
COUITLAM DISTRICT	2 "	152.051
COUITLAM DISTRICT	3 "	22.253
COUITLAM DISTRICT	4 "	32.151
COUITLAM DISTRICT	6 "	15.439
COUITLAM DISTRICT	8 "	1.463
COUITLAM DISTRICT	10 "	0.009
COUITLAM DISTRICT	12 "	8.823
COUITLAM DISTRICT	20 "	5.574
COUITLAM DISTRICT	24 "	0.043
Subtotal		381.918
DELTA DISTRICT		0.000
DELTA DISTRICT	0.50 "	1.445
DELTA DISTRICT	0.75 "	90.823
DELTA DISTRICT	1 "	5.327
DELTA DISTRICT	1.25 "	149.179
DELTA DISTRICT	1.50 "	2.090
DELTA DISTRICT	2 "	131.523
DELTA DISTRICT	3 "	27.635
DELTA DISTRICT	4 "	52.032
DELTA DISTRICT	6 "	21.155
DELTA DISTRICT	8 "	17.189
DELTA DISTRICT	16 "	0.014
Subtotal		496.512

<u>MAINS</u>	<u>DESCRIPTION/ PIPE SIZE</u>	<u>KILOMETERS</u>
HARRISON HOT SPRINGS VILLGE		0.000
HARRISON HOT SPRINGS VILLGE	0.75 "	3.518
HARRISON HOT SPRINGS VILLGE	1.25 "	4.464
HARRISON HOT SPRINGS VILLGE	2 "	5.169
HARRISON HOT SPRINGS VILLGE	4 "	2.490
Subtotal		15.639
TOWN OF HOPE		0.000
TOWN OF HOPE	0.50 "	0.055
TOWN OF HOPE	0.75 "	3.291
TOWN OF HOPE	1 "	0.376
TOWN OF HOPE	1.25 "	5.948
TOWN OF HOPE	2 "	17.025
TOWN OF HOPE	3 "	0.674
TOWN OF HOPE	4 "	3.409
TOWN OF HOPE	6 "	0.536
Subtotal		31.315
KENT DISTRICT - AGASSIZ		0.000
KENT DISTRICT - AGASSIZ	0.50 "	0.003
KENT DISTRICT - AGASSIZ	0.75 "	1.774
KENT DISTRICT - AGASSIZ	1 "	0.204
KENT DISTRICT - AGASSIZ	1.25 "	7.968
KENT DISTRICT - AGASSIZ	2 "	10.781
KENT DISTRICT - AGASSIZ	4 "	16.654
KENT DISTRICT - AGASSIZ	6 "	0.065
Subtotal		37.449
LANGLEY TOWNSHIP		0.000
LANGLEY TOWNSHIP	0.50 "	0.301
LANGLEY TOWNSHIP	0.75 "	50.841
LANGLEY TOWNSHIP	1 "	0.158
LANGLEY TOWNSHIP	1.25 "	183.458
LANGLEY TOWNSHIP	2 "	311.148
LANGLEY TOWNSHIP	3 "	5.765
LANGLEY TOWNSHIP	4 "	100.670
LANGLEY TOWNSHIP	6 "	31.478
LANGLEY TOWNSHIP	8 "	6.677
Subtotal		690.496

<u>MAINS</u>	<u>DESCRIPTION/ PIPE SIZE</u>	<u>KILOMETERS</u>
MAPLE RIDGE DISTRICT		0.000
MAPLE RIDGE DISTRICT	0.50 "	0.542
MAPLE RIDGE DISTRICT	0.75 "	23.847
MAPLE RIDGE DISTRICT	1 "	1.345
MAPLE RIDGE DISTRICT	1.25 "	101.980
MAPLE RIDGE DISTRICT	1.50 "	0.197
MAPLE RIDGE DISTRICT	2 "	135.517
MAPLE RIDGE DISTRICT	3 "	4.140
MAPLE RIDGE DISTRICT	4 "	37.328
MAPLE RIDGE DISTRICT	6 "	16.082
MAPLE RIDGE DISTRICT	8 "	0.001
MAPLE RIDGE DISTRICT	12 "	1.210
Subtotal		323.189
MATSQUI DISTRICT		0.000
MATSQUI DISTRICT	0.50 "	0.499
MATSQUI DISTRICT	0.75 "	60.181
MATSQUI DISTRICT	1 "	0.821
MATSQUI DISTRICT	1.25 "	105.844
MATSQUI DISTRICT	1.50 "	0.196
MATSQUI DISTRICT	2 "	192.823
MATSQUI DISTRICT	3 "	18.967
MATSQUI DISTRICT	4 "	59.574
MATSQUI DISTRICT	6 "	37.527
MATSQUI DISTRICT	8 "	2.088
MATSQUI DISTRICT	12 "	3.632
Subtotal		482.154
MISSION DISTRICT - HATZIC		0.000
MISSION DISTRICT - HATZIC	0.50 "	0.220
MISSION DISTRICT - HATZIC	0.75 "	22.228
MISSION DISTRICT - HATZIC	1 "	0.517
MISSION DISTRICT - HATZIC	1.25 "	36.165
MISSION DISTRICT - HATZIC	2 "	73.983
MISSION DISTRICT - HATZIC	3 "	1.350
MISSION DISTRICT - HATZIC	4 "	16.977
MISSION DISTRICT - HATZIC	6 "	15.462
MISSION DISTRICT - HATZIC	8 "	4.022
MISSION DISTRICT - HATZIC	12 "	0.002
Subtotal		

<u>MAINS</u>	<u>DESCRIPTION/ PIPE SIZE</u>	<u>KILOMETERS</u>
NEW WESTMINSTER CITY		0.000
NEW WESTMINSTER CITY	0.50 "	0.469
NEW WESTMINSTER CITY	0.75 "	7.696
NEW WESTMINSTER CITY	1 "	2.280
NEW WESTMINSTER CITY	1.25 "	12.738
NEW WESTMINSTER CITY	1.50 "	3.997
NEW WESTMINSTER CITY	2 "	72.161
NEW WESTMINSTER CITY	2.50 "	0.666
NEW WESTMINSTER CITY	3 "	15.991
NEW WESTMINSTER CITY	4 "	23.647
NEW WESTMINSTER CITY	6 "	13.388
NEW WESTMINSTER CITY	8 "	1.111
NEW WESTMINSTER CITY	10 "	0.942
NEW WESTMINSTER CITY	12 "	3.428
NEW WESTMINSTER CITY	20 "	3.428
Subtotal		161.942

NORTH VANCOUVER CITY		0.000
NORTH VANCOUVER CITY	0.50 "	0.477
NORTH VANCOUVER CITY	0.75 "	8.115
NORTH VANCOUVER CITY	1 "	0.494
NORTH VANCOUVER CITY	1.25 "	13.778
NORTH VANCOUVER CITY	1.50 "	2.053
NORTH VANCOUVER CITY	2 "	65.251
NORTH VANCOUVER CITY	3 "	9.058
NORTH VANCOUVER CITY	4 "	8.059
NORTH VANCOUVER CITY	6 "	5.119
NORTH VANCOUVER CITY	8 "	0.879
NORTH VANCOUVER CITY	10 "	0.846
NORTH VANCOUVER CITY	12 "	0.239
NORTH VANCOUVER CITY	16 "	2.215
NORTH VANCOUVER CITY	20 "	0.853
Subtotal		117.446

MAINS

DESCRIPTION/
PIPE SIZE

KILOMETERS

NORTH VANCOUVER DISTRICT		0.000
NORTH VANCOUVER DISTRICT	0.50 "	0.738
NORTH VANCOUVER DISTRICT	0.75 "	52.905
NORTH VANCOUVER DISTRICT	1 "	0.146
NORTH VANCOUVER DISTRICT	1.25 "	47.940
NORTH VANCOUVER DISTRICT	2 "	156.687
NORTH VANCOUVER DISTRICT	3 "	29.275
NORTH VANCOUVER DISTRICT	4 "	19.411
NORTH VANCOUVER DISTRICT	6 "	10.732
NORTH VANCOUVER DISTRICT	8 "	13.376
NORTH VANCOUVER DISTRICT	10 "	5.398
NORTH VANCOUVER DISTRICT	12 "	1.392
NORTH VANCOUVER DISTRICT	16 "	2.323
NORTH VANCOUVER DISTRICT	20 "	4.593
NORTH VANCOUVER DISTRICT	24 "	0.457
NORTH VANCOUVER DISTRICT	30 "	0.030

Subtotal

344.403

PITT MEADOWS DISTRICT		0.000
PITT MEADOWS DISTRICT	0.50 "	0.094
PITT MEADOWS DISTRICT	0.75 "	7.294
PITT MEADOWS DISTRICT	1 "	0.693
PITT MEADOWS DISTRICT	1.25 "	15.163
PITT MEADOWS DISTRICT	2 "	31.462
PITT MEADOWS DISTRICT	3 "	2.955
PITT MEADOWS DISTRICT	4 "	16.486
PITT MEADOWS DISTRICT	6 "	1.416
PITT MEADOWS DISTRICT	8 "	0.022

Subtotal

75.585

PORT COQUITLAM CITY		0.000
PORT COQUITLAM CITY	0.50 "	0.141
PORT COQUITLAM CITY	0.75 "	29.387
PORT COQUITLAM CITY	1.25 "	22.684
PORT COQUITLAM CITY	1.50 "	0.255
PORT COQUITLAM CITY	2 "	59.267
PORT COQUITLAM CITY	3 "	10.582
PORT COQUITLAM CITY	4 "	17.734
PORT COQUITLAM CITY	6 "	7.590
PORT COQUITLAM CITY	12 "	3.743

Subtotal

151.393

<u>MAINS</u>	<u>DESCRIPTION/ PIPE SIZE</u>	<u>KILOMETERS</u>
PORT MOODY CITY		0.000
PORT MOODY CITY	0.50 "	0.042
PORT MOODY CITY	0.75 "	14.078
PORT MOODY CITY	1.25 "	15.923
PORT MOODY CITY	2 "	26.268
PORT MOODY CITY	3 "	5.672
PORT MOODY CITY	4 "	7.529
PORT MOODY CITY	6 "	8.681
Subtotal		78.193
RICHMOND TOWNSHIP-STEVESTON		0.000
RICHMOND TOWNSHIP-STEVESTON	0.50 "	1.922
RICHMOND TOWNSHIP-STEVESTON	0.75 "	57.232
RICHMOND TOWNSHIP-STEVESTON	1.25 "	80.945
RICHMOND TOWNSHIP-STEVESTON	1.50 "	0.132
RICHMOND TOWNSHIP-STEVESTON	2 "	210.481
RICHMOND TOWNSHIP-STEVESTON	3 "	40.987
RICHMOND TOWNSHIP-STEVESTON	4 "	44.214
RICHMOND TOWNSHIP-STEVESTON	6 "	34.776
RICHMOND TOWNSHIP-STEVESTON	8 "	7.890
RICHMOND TOWNSHIP-STEVESTON	10 "	5.133
RICHMOND TOWNSHIP-STEVESTON	12 "	17.689
RICHMOND TOWNSHIP-STEVESTON	16 "	5.022
RICHMOND TOWNSHIP-STEVESTON	20 "	3.060
RICHMOND TOWNSHIP-STEVESTON	24 "	8.421
RICHMOND TOWNSHIP-STEVESTON	30 "	0.020
Subtotal		517.924
SURREY DISTRICT		0.000
SURREY DISTRICT	0.50 "	2.416
SURREY DISTRICT	0.75 "	189.170
SURREY DISTRICT	1 "	5.766
SURREY DISTRICT	1.25 "	294.698
SURREY DISTRICT	2 "	591.017
SURREY DISTRICT	3 "	11.122
SURREY DISTRICT	4 "	121.332
SURREY DISTRICT	6 "	69.417
SURREY DISTRICT	8 "	34.754
SURREY DISTRICT	12 "	4.957
SURREY DISTRICT	20 "	0.552
Subtotal		1325.201

<u>MAINS</u>	<u>DESCRIPTION/ PIPE SIZE</u>	<u>KILOMETERS</u>
VANCOUVER CITY		0.000
VANCOUVER CITY	0.50 "	3.503
VANCOUVER CITY	0.75 "	64.638
VANCOUVER CITY	1 "	2.000
VANCOUVER CITY	1.25 "	100.042
VANCOUVER CITY	1.50 "	7.778
VANCOUVER CITY	2 "	508.933
VANCOUVER CITY	3 "	117.652
VANCOUVER CITY	4 "	293.029
VANCOUVER CITY	6 "	87.789
VANCOUVER CITY	8 "	44.534
VANCOUVER CITY	10 "	21.469
VANCOUVER CITY	12 "	40.525
VANCOUVER CITY	16 "	23.163
VANCOUVER CITY	18 "	1.351
VANCOUVER CITY	20 "	10.814
VANCOUVER CITY	24 "	0.236
VANCOUVER CITY	30 "	11.504
Subtotal		1339.059

WEST VANCOUVER DISTRICT		0.000
WEST VANCOUVER DISTRICT	0.50 "	0.179
WEST VANCOUVER DISTRICT	0.75 "	42.195
WEST VANCOUVER DISTRICT	1.25 "	44.909
WEST VANCOUVER DISTRICT	1.50 "	0.037
WEST VANCOUVER DISTRICT	2 "	106.745
WEST VANCOUVER DISTRICT	3 "	20.352
WEST VANCOUVER DISTRICT	4 "	17.957
WEST VANCOUVER DISTRICT	6 "	14.247
WEST VANCOUVER DISTRICT	8 "	8.751
WEST VANCOUVER DISTRICT	10 "	0.006
WEST VANCOUVER DISTRICT	12 "	7.033
WEST VANCOUVER DISTRICT	16 "	0.548
Subtotal		252.959

<u>MAINS</u>	<u>DESCRIPTION/ PIPE SIZE</u>	<u>KILOMETERS</u>
LANGLEY - CITY		0.000
LANGLEY - CITY	0.50 "	0.143
LANGLEY - CITY	0.75 "	17.137
LANGLEY - CITY	1 "	0.077
LANGLEY - CITY	1.25 "	16.255
LANGLEY - CITY	2 "	33.681
LANGLEY - CITY	3 "	1.491
LANGLEY - CITY	4 "	9.264
LANGLEY - CITY	6 "	2.433
LANGLEY - CITY	8 "	2.598
Subtotal		83.079
WHITE ROCK CITY		0.000
WHITE ROCK CITY	0.50 "	0.163
WHITE ROCK CITY	0.75 "	6.395
WHITE ROCK CITY	1 "	0.100
WHITE ROCK CITY	1.25 "	4.775
WHITE ROCK CITY	2 "	45.977
WHITE ROCK CITY	3 "	1.188
WHITE ROCK CITY	6 "	0.011
WHITE ROCK CITY	8 "	0.011
WHITE ROCK CITY	12 "	0.012
Subtotal		58.632
S.D. 32, FRASER CANYON		0.000
S.D. 32, FRASER CANYON	0.50 "	0.153
S.D. 32, FRASER CANYON	0.75 "	2.994
S.D. 32, FRASER CANYON	1 "	0.780
S.D. 32, FRASER CANYON	1.25 "	7.056
S.D. 32, FRASER CANYON	2 "	7.761
S.D. 32, FRASER CANYON	3 "	0.945
S.D. 32, FRASER CANYON	4 "	1.431
Subtotal		21.120

<u>MAINS</u>	<u>DESCRIPTION/ PIPE SIZE</u>	<u>KILOMETERS</u>
S.D. 33, CHILLIWACK		0.000
S.D. 33, CHILLIWACK	0.50 "	0.362
S.D. 33, CHILLIWACK	0.75 "	0.647
S.D. 33, CHILLIWACK	1.25 "	8.588
S.D. 33, CHILLIWACK	2 "	7.220
S.D. 33, CHILLIWACK	4 "	12.121
Subtotal		28.938
S.D. 34, ABBOTSFORD		0.000
S.D. 34, ABBOTSFORD	0.75 "	0.991
S.D. 34, ABBOTSFORD	1 "	0.634
S.D. 34, ABBOTSFORD	1.25 "	1.754
S.D. 34, ABBOTSFORD	2 "	1.141
Subtotal		4.520
UNIVERSITY ENDOWMENT LANDS		0.000
UNIVERSITY ENDOWMENT LANDS	1 "	0.002
UNIVERSITY ENDOWMENT LANDS	1.25 "	0.563
UNIVERSITY ENDOWMENT LANDS	1.50 "	0.026
UNIVERSITY ENDOWMENT LANDS	2 "	0.429
UNIVERSITY ENDOWMENT LANDS	3 "	0.111
UNIVERSITY ENDOWMENT LANDS	4 "	7.076
UNIVERSITY ENDOWMENT LANDS	6 "	3.846
UNIVERSITY ENDOWMENT LANDS	10 "	2.103
UNIVERSITY ENDOWMENT LANDS	12 "	0.803
Subtotal		14.959
CULTUS LAKE PARK AREA		0.000
CULTUS LAKE PARK AREA	0.50 "	0.035
CULTUS LAKE PARK AREA	0.75 "	3.902
CULTUS LAKE PARK AREA	1 "	0.158
CULTUS LAKE PARK AREA	1.25 "	1.993
CULTUS LAKE PARK AREA	2 "	1.270
CULTUS LAKE PARK AREA	4 "	0.123
Subtotal		7.381

<u>TRANSMISSION LINES</u>	<u>DESCRIPTION/ PIPE/SIZE</u>	<u>KILOMETERS</u>
Tilbury to Benson TRANS PIPELINE	- 12"	5.9 KM 1
Tilbury to Fraser Gate TRANS PIPELINE-FRASER R/NORTH ARM TRANS PIPELINE-RICHMOND TRANS PIPELINE-DELTA TRANS PIPELINE-FRASER R.SOUTH ARM TRANS PIPELINE-RICHMOND FREEWAY	- 20"	.4 KM 1 6.9 KM 2 1.8 KM 3 .7 KM 4 5
Roebuck to Tilbury TRANS PIPELINE TRANS PIPELINE-BURNS BOG AREA TRANS PIPELINE-88TH AVE	- 36"	8.4 KM 1 4.4 KM 2 3
Huntingdon to Balfour TRANS PIPELINE	- 42"	29.8 KM 1
Tilbury to Fraser Gate TRANS PIPELINE-RICHMOND TRANS PIPELINE-FRASER R/NORTH ARM TRANS PIPELINE-DELTA TRANS PIPELINE-FRASER R/SOUTH ARM TRANS PIPELINE-RICHMOND FREEWAY	- 24"	6.9 KM 1 .4 KM 2 1.8 KM 3 .7 KM 4 5
Huntingdon to Pattullo City Gt TRANS PIPELINE -TANNERY ROAD PROJECT -SCOTT ROAD PROJECT	-18"	29.7 KM 1 2 3

<u>TRANSMISSION LINES</u>	<u>DESCRIPTION/ PIPE/SIZE</u>	<u>KILOMETERS</u>
Livingstone-P.Meadows-Coquitl	-12"	22.5 KM 1
TRANS PIPELINE-LIVINGSTONE/PITT MEADOWS		1.6 KM 2
TRANS PIPELINE-MCMILLAN ISLAND CROSSING		9.7 KM 3
TRANS PIPELINE-PITT MEADOWS/COQUITLAM		.4 KM 4
TRANS PIPELINE-PITT R CROSSING		
 Roebuck - Tilbury	 - 24"	 11.2 KM 1
TRANS PIPELINE		2
TRANS PIPELINE-84TH AVE		
 Roebuck Road to Port Mann	 - 24"	 5.5 KM 1
TRANS PIPELINE		
 Huntingdon to Livingstone Rd	 - 30"	 29.1 KM 1
TRANS PIPELINE		
 Coquitlam to Burrard	 - 20"	 12.3 KM 1
TRANS PIPELINE		2
-WESTWOOD GATE STN(BLOCK VALVE INST)		3
-WESTWOOD ROAD PROJECT		
 Livingstone Road to Nichol Rd	 -30"	 27.2 KM 1
TRANS PIPELINE		2
-PROTECTION SLABS AT VARIOUS ROAD CROSSINGS		

<u>TRANSMISSION LINES</u>	<u>DESCRIPTION/ PIPE/SIZE</u>	<u>KILOMETERS</u>
Port Mann to Coquitlam	- 20"	5.2 KM 1
TRANS PIPELINE		.9 KM 2
TRANS PIPELINE-FRASER R CROSSING		3
TRANS PIPELINE-MAYFAIR INDUSTRIAL PARK		4
TRANS PIPELINE-MAYFAIR INDUSTRIAL PARK		5
TRANS PIPELINE-PORT MANN		

<u>SERVICES</u>	<u>NO. OF SERVICES</u>	<u>AV. COST PER SERVICE</u>
ABBOTSFORD DISTRICT	3720	395
BURNABY DISTRICT - BARNET	31368	471
DISTRICT OF CHILLIWACK	11900	312
COQUITLAM DIST'-MAILLARDVLE	18242	493
DELTA DISTRICT	22250	284
HARRISON HOT SPRINGS VILLAG	244	303
HOPE VILLAGE	1145	238
KENT DISTRICT - AGASSIZ	717	422
LANGLEY TOWNSHIP	15059	453
MAPLE RIDGE DISTRICT	10333	370
MATSQUI DISTRICT	12327	385
MISSION DISTRICT	4943	327
NEW WESTMINSTER CITY	7944	433
NORTH VANCOUVER CITY	6007	416
NORTH VANCOUVER DISTRICT	19363	452
PITT MEADOWS DISTRICT	2199	427
PORT COQUITLAM CITY	8018	401
PORT MOODY CITY	3311	412
RICHMOND TOWNSHIP-STEVESTON	25380	421
SURREY DISTRICT	50784	396
VANCOUVER CITY	107275	394
WEST VANCOUVER DISTRICT	10287	535
LANGLEY CITY	3627	312
WHITE ROCK CITY	3767	280
S.D. 32 - HOPE & YALE AREAS	349	457
S.D. 33 - CHILLIWACK	409	806
S.D. 34 - HUNTINGDON	83	497
UNIVERSITY ENDOWMENT LANDS	201	340
CULTUS LAKE PARK AREA	417	297
UNDISTRIBUTED PROGRAM CHRGS	0	
Total	381670	

B.C. HYDRO
STATION EQUIPMENT

	<u>Description</u>	<u>Quantity</u>
	#6. Trenton & Loughheed, P. Coc'	
1.1 1969 (REBUILT IN 1975)		
1.0 STAINER	4" SCHADE - DAVIS 75FCS-30	
1.1 HEATER	NATCO 450,000BTU/HR, 3" CONN, FUEL GAS CNTRL, AUTO RE-IGNITION	
1.1 HEATER BY-PASS REGULATOR	4" GROVE MODEL 80 MP	
1.2 HEATER BY-PASS PILOT REGS	1/2" JORDAN MARK 80 TEMP. REGULATOR	
1.2 HEATER BY-PASS PILOT REGS	CANADIAN METER TYPE "Z" PILOTS	
1.1 MAIN REGS	1 1/2" GROVE MODEL 80 MP	
1.1 MAIN REGS	2" CAN METER AFV CLASS 300	
1.2 MAIN REG. PILOTS	CAN. METER TYPE "Z"	
1.1 MONITOR REGS.	2" GROVE MODEL 80 HP	
1.1 MONITOR REGS.	2" CAN METER AFV CLASS 300	
1.2 MON REG. PILOTS	CAN METER TYPE "Z"	
1.1 RELIEF VALVES	6" CAN. METER AFV CLASS 300	
1.1 RELIEF VALVES	2" CAN. METER AFV CLASS 300	
1.2 RELIEF PILOTS	CAN. METER TYPE "ZSC-150"	
1.1 ORIFICE METERS	6" DANIEL "SIMPLEX"	
1.1 ORIFICE METERS	6" DANIEL "SENIOR"	
1.1 ORIFICE METERS	6" DANIEL "SIMPLEX"	
1.2 FLOW RECORDERS	BARTON 202A 3-PEN	
1.1 ISOLATION VALVES	4" PLUG VALVE - 200 WOG	
1.1 ISOLATION VALVES	3" PLUG VALVE - CLASS 300	
1.1 ISOLATION VALVES	2" PLUG VALVE - 200 WOG	
1.1 ISOLATION VALVES	4" PLUG VALVE - CLASS 300	
1.1 ISOLATION VALVES	6" PLUG VALVE - CLASS 300	
1.1 ISOLATION VALVES	6" PLUG VALVE - 200 WOG	
1.1 ISOLATION VALVES	6" PLUG VALVE - CLASS 150	
1.2 INTERCONNECTING PIPING	4-INCH PIPE (VARIOUS LENGTHS)	
1.2 INTERCONNECTING PIPING	3-INCH PIPE (VARIOUS LENGTHS)	
1.2 INTERCONNECTING PIPING	2-INCH PIPE (VARIOUS LENGTHS)	
1.2 INTERCONNECTING PIPING	8-INCH PIPE (VARIOUS LENGTHS)	
1.2 INTERCONNECTING PIPING	6-INCH PIPE (VARIOUS LENGTHS)	
1.2 LIGHTING SYST'-DESIGN PREPA	RED&NOT INSTALLED	
	NO ELECTR EQPT INSTLD AT THIS TIME	

B.C. HYDRO
STATION EQUIPMENT

<u>Item</u>	<u>Description</u>	<u>Quantity</u>
: #8. Barnet Gate Station		
1.1 1966 & MAJOR ADDN'S IN 1987	150,000 BTU/HR, HYDRO FABRICATED TO GD-7692	
2.0 HEATER	4" CAN. METER AFV CLASS 300	1
3.1 HEATER BY-PASS REGULATOR	2" CANADIAN METER TYPE "Z"	1
4.2 HEATER BY-PASS PILOTS	1/2" JORDEN MARK 80 TEMP. REG.	1
4.2 HEATER BY-PASS PILOTS	3" CANADIAN METER AFV CLASS 300	1
4.1 MAIN REGS.	2" CANADIAN METER AFV CLASS 300	1
1.1 MAIN REGS.	3" GROVE MODEL 80 M.P.	1
1.1 MAIN REGS.	CANADIAN METER TYPE "Z"	1
4.2 MAIN REG. PILOTS	2" CANADIAN METER AFV CLASS 300	2
5.1 MON. REGS.	3" CANADIAN METER AFV CLASS 300	1
1.1 MON. REGS.	4" GOVE MODEL 80 M.P.	1
3.1 MON. REGS.	CANADIAN METER TYPE "Z"	1
5.2 MON. REG. PILOTS	6" GROVE MODEL 80 L.P.	2
3.1 RELIEF VALVES	CANADIAN METER TYPE "ZSC-150"	1
3.2 RELIEF PILOTS	4" DANIEL "SIMPLEX"	1
7.1 ORIFICE METER	BRISTOL 3G500 3-PEN	1
7.2 FLOW RECORDER	BRISTOL 2G500 2-PEN	1
7.3 PRESSURE RECORDER	6" PLUG VALVE CLASS 150	1
8.1 ISOLATION VALVES	3" GATE VALVE CLASS 300	1
3.1 ISOLATION VALVES	8" PLUG VALVE CLASS 150	1
8.1 ISOLATION VALVES	6" PLUG VALVE 200 WOG	1
3.1 ISOLATION VALVES	4" PLUG VALVE CLASS 300	1
1.1 ISOLATION VALVES	6" PLUG VALVE CLASS 300	1
1 ISOLATION VALVES	2" PLUG VALVE CLASS 300	1
8.2 INTERCONNECTING PIPING	2-INCH PIPE (VARIOUS LENGTHS)	1
8.2 INTERCONNECTING PIPING	8-INCH PIPE (VARIOUS LENGTHS)	1
3.2 INTERCONNECTING PIPING	6-INCH PIPE (VARIOUS LENGTHS)	1
8.2 INTERCONNECTING PIPING	4-INCH PIPE (VARIOUS LENGTHS)	1
8.2 INTERCONNECTING PIPING	3-INCH PIPE (VARIOUS LENGTHS)	1
8.2 ELECTRICAL	NO ELECTRICAL OR ELECTRONIC EQP'T INSTALLED	1

B.C. HYDRO
STATION EQUIPMENT

<u>Item</u>	<u>Description</u>	<u>Quantity</u>
: #7, Richmond Gate Station		
0.1 1965 & REBUILT IN '70 & '76	PORTA-TEST B16-4X4-720-2P	
1.1 SEPARATOR	48" DIA. FABRICATED TO BCH GB-9560	
1.2 SETTLING TANK	A.S. LEITCH - 12"DIA., 6"CONN. 750,000BTU/HR	
2.1 HEAT EXCHANGER	1.2 MM BTU/HR, ALLIED SUPER-HOT AA 1800	
2.2 BOILER	PARAMOUNT 11/4" ML 5L3.UPER-HOT AA 1800	
2.3 PUMPS	EXPANSION TANK - 6"DIA X 4' LONG	
2.4 TANKS	HONEYWELL 11/4" V5013A1229 3-WAY	
2.5 TEMP. CONTROL VALVE	FOXBORO 43AP	
2.5 TEMPERATURE CONTROLLER	STANDARD TO BCH 9558	
2.6 FUEL GAS METER SET	12" FISHER 7611-656 B'FLY	
3.1 HEATER(EXCHANGER)BYPASS VLV	FOXBORO 43AP	
3.2 HEATER BY-PASS CONTROLLER	6" CANADIAN METER AFV CLASS 300	
4.1 MAIN REGS.	CANADIAN METER TYPE "Z"	
4.2 MAIN REG. PILOTS	6" JETSTREAM J6-60	
5.1 MONITOR REGS.	FOXBORO 43 APJ6-60	
5.2 MONITOR CONTROLLER	8" GROVE MODEL 80 LP	
6.1 RELIEF VALVE	2" GROVE MODEL 80 LP	
6.1 RELIEF VALVE	CANADIAN METER TYPE "ZSC-150"	
6.2 RELIEF PILOTS	16" DANIEL "SENIOR"	
7.1 ORIFICE METER	BRISTOL 3G500 3-PEN	
7.2 FLOW RECORDER	8" PLUG VALVE 200 WOG	
8.1 ISOLATION VALVES	8" PLUG VALVE CLASS 300	
8.1 ISOLATION VALVES	16" PLUG VALVE CLASS 150	
8.1 ISOLATION VALVES	12" PLUG VALVE CLASS 300	
8.1 ISOLATION VALVES	2" PLUG VALVE CLASS 300	
8.1 ISOLATION VALVES	6" BALL VALVE CLASS 300	
8.1 ISOLATION VALVES	6" PLUG VALVE CLASS 300	
8.2 INTERCONNECTING PIPE	2-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPE	6-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPE	8-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPE	12-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPE	16-INCH PIPE (VARIOUS LENGTHS)	
9.0 POWER GAS SUPPLIES		
0.0 ELECTRICAL SERVICE	100A 120/240 1PH 3W	
	DIST'PNL SQD-Q012MS 12CKT-100A.	
	MISC SWITCHES & RECEPTACLES	
10.1 LIGHTNING	200W INC. VAPOR TIGHT LUMINAIRE	
10.1 LIGHTNING	200W INC. X.P. LUMINAIRE	
10.1 LIGHTNING	400W M.V.FLOODLIGHT - WESTINGHOUSE MRF400	
10.2 LIGHTNING	WATER CIRCULATING PUMP MOTOR (1 HP)	
10.2 LIGHTNING	CATHODIC PROTECTION RECTIFIER	
10.2 LIGHTNING	MANUAL MOTOR STARTER (CUTLER HAMMER)	
10.2 LIGHTNING	BOILER CONTROL PANEL (CUSTOM)	
10.2 LIGHTNING	PRESSURE TELEMETER UNIT	

B.C. HYDRO
STATION EQUIPMENT

<u>Item</u>	<u>Description</u>	<u>Quantity</u>
#5. River Road Gate Station		
D.1 1965, RELOC'D & REBUILT: 1975		
1.1 SCRUBBER	48" BLOW-KNOX TYPE MP	
1.2 SETTLING TANK	FOR 1.1	
2.0 HEATER	BS & B 1,500,000 BTU/HR, 6" CONN, FUEL GAS CNTLS, AUTO RE-IGN.	
3.1 3-WAY HEATER BY-PASS	6" FISHER 7610-Z-7650-656 TANDEM B'FLY	
3.2 HEATER BY-PASS TEMP. CONTRLR	FOXBORO MODEL 43 AP	
3.3 HEATER BY-PASS VALVE P.C.	8" FISHER 7611 BUTTERFLY	
3.4 HEATER BY-PASS PRESS' CNTLR	FISHER WIZARD II	
4.1 MAIN REGS	6" CDN. METER AFV CLASS 300	
4.1 MAIN REGS	11/2" GROVE MODEL 80 M.P. (30% CORES)	2
4.2 MAIN REG. PILOTS	CANADIAN METER TYPE "Z"	
5.1 MONITOR REGS.	2" GROVE MODEL 80 M.P.	
5.1 MONITOR REGS.	6" JETSTREAM J6-60	
5.2 MONITOR PILOTS	CANADIAN METER "Z" (FOR GROVES)	
5.3 MONITOR CONTROLLER	FISHER WIZARD II (FOR JETSTREAM)	
6.1 RELIEF VALVES	8" CDN. METER AFV CLASS 300	
6.1 RELIEF VALVES	8" GROVE MODEL 80 LP	
6.1 RELIEF VALVES	6" GROVE MODEL 80 LP	
6.2 RELIEF PILOTS	CDN. METER TYPE "ZSC-150"	
7.1 ORIFICE METERS	12" DANIEL "SENIOR"	
7.1 ORIFICE METERS	6" DANIEL "SENIOR"	
7.2 FLOW RECORDERS	BARTON 202A 3-PEN	
7.1 ISOLATION VALVES	12" PLUG VALVE - CLASS 300	
7.1 ISOLATION VALVES	8" PLUG VALVE - CLASS 300	
7.1 ISOLATION VALVES	8" PLUG VALVE - CLASS 150	
8.1 ISOLATION VALVES	8" PLUG VALVE - 200 WOG	
8.1 ISOLATION VALVES	6" PLUG VALVE - CLASS 300	
8.1 ISOLATION VALVES	6" PLUG VALVE - CLASS 150	
8.1 ISOLATION VALVES	6" PLUG VALVE - 200 WOG	
8.1 ISOLATION VALVES	3" PLUG VALVE - CLASS 300	
8.1 ISOLATION VALVES	2" PLUG VALVE - CLASS 300	
8.2 INTERCONNECTING PIPE	6-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPE	3-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPE	2-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPE	8-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPE	12-INCH PIPE (VARIOUS LENGTHS)	
9.0 POWER GAS SUPPLIES		
10.0 ELECTRICAL SERVICE	175W M.V. VAPOR TIGHT LUMINAIRE	
10.0 ELECTRICAL SERVICE	400W M.V. FLOODLIGHT-WESTINGHOUSE MRF40C	
10.0 ELECTRICAL SERVICE	100A 120/240 1 PH 3W	
10.0 ELECTRICAL SERVICE	MISC. SWITCHES & RECEPTACLES	
10.0 ELECTRICAL SERVICE	DIST'N PANEL - W.P. FPE #RHBE 10816	
10.0 ELECTRICAL SERVICE	200W X.P. INC. LUMINAIRE	
10.0 ELECTRICAL SERVICE	LIGHTING CONTACTOR-A-B #702L-AOD92	

B.C. HYDRO
STATION EQUIPMENT

Item	Description	Quantity
#1, Pattullo City Gate Station		
1.1 1956 MAJOR MOD'S IN 1980		
1.1 SCRUBBER	48" DIA. BLOW-KNOX TYPE M.P.	
1.2 FILL TANK	FOR 1.1	
1.3 SETTLING TANK	FOR 1.1	
2.0 HEATER	BS&B 2,000,000BTU/HR, 8" CONN'S, FUEL GAS CNTRL'S, AUTO RE-IG	
3.1 3-WAY HEATER BY-PASS	8" FISHER 7610-Z-7650-656 TANDEM B'FLY	
3.2 BY-PASS CONTROLLER	FOXBORO MODEL 43AP TEMP. CONTROLLER	
4.1 MAIN REGS. NTRLLER	4" CANADIAN METER AFV'S CLASS 300	
4.2 MAIN REG. PILOTS	GROVE 824 MOTOR PILOTS	
4.1 MONITOR REGS	4" CDN METER AFV'S CLASS 300	
4.2 MONITOR PILOTS	GROVE 824 MOTOR PILOTS (STN #1)	
5.2 MONITOR PILOTS	CDN METER TYPE "Z" (STN #2)	
5.3 MONITOR CONTROLLER	FOXBORO 43AP-PAZ (STN #1)	
6.1 RELIEF VALVES	8" GROVE MODEL 80 LP	
6.1 RELIEF VALVES	8" CDN METER CLASS 300	
6.1 RELIEF VALVES	6" CDN METER CLASS 300	
6.1 RELIEF VALVES	2" GROVE MODEL 80 LP00	
6.2 RELIEF PILOTS	CDN METER TYPE "ZSC-150"	
7.0 ORIFICE METERS	12" DANIEL "SENIOR"	
7.0 ORIFICE METERS	10" DANIEL "SENIOR"	
8.1 ISOLATION VALVES	2" PLUG VALVE - CLASS 300	
8.1 ISOLATION VALVES	20" PLUG VALVE - 200 WOG	
8.1 ISOLATION VALVES	6" PLUG VALVE - CLASS 300	
8.1 ISOLATION VALVES	8" PLUG VALVE - 200 WOG	
8.1 ISOLATION VALVES	10" PLUG VALVE - CLASS 300	
8.1 ISOLATION VALVES	12" PLUG VALVE - CLASS 300	
8.1 ISOLATION VALVES	8" PLUG VALVE - CLASS 300	
8.1 ISOLATION VALVES	4" PLUG VALVE - CLASS 300	
8.1 ISOLATION VALVES	16" PLUG VALVE - 200 WOG	
8.1 ISOLATION VALVES	2" PLUG VALVE - 200 WOD	
8.1 ISOLATION VALVES	3" PLUG VALVE - 200 WOG	
8.2 INTERCONNECTING PIPING	4-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	6-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	2-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	20-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	12-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	8-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	10-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	16-INCH PIPE (VARIOUS LENGTHS)	
9.0 POWER GAS SUPPLIES		
10.1 SHAFER OPERATOR	ON 20" OUTLET VALVE, SIZE 18 X 0	
10.2 POWER STORAGE	FOR 10.1	
11.0 ELECTRICAL SERV-	800A 120/208V 3PH 4W (MOD'S IN PLANNING STAGE)	
11.1 LIGHTING	250W HPS FLOODLIGHTS-WESTINGHOUSE MRF	
11.1 SECURITY SYSTEM		
11.1 SIZE 1 W.P. MOTOR STARTER	(OLS SUMP PUMP)	
11.1 COMBUST'L GAS DETECTOR -	JW CD800W	
11.1 UPS SYSTEM - 300VA		
11.1 SCADA RTU		
11.1 LINE BREAK CNTRL PANEL		
11.1 W.P. DISTR'N PANEL-12CKT.		

B.C. HYDRO
STATION EQUIPMENT

<u>Item</u>	<u>Description</u>	<u>Quantity</u>
1.1 BASE BOARD ELECT HEATER		
11.1 LIGHTING	MISC SWITCHES & RECEPTACLES	
11.1 LIGHTING	200W INC. LUMINAIRES	
11.1 LIGHTING	200W XP INC. LUMINAIRES	
11.2 ANALOG CABINET		
11.3 INSTRUMENTS	TEMP. TRANSMITTER - FOXDBORO #694AC-AW-G	
11.3 INSTRUMENTS	RTD - FOXDBORO #DB13A-22GW	
11.3 INSTRUMENTS	PRESS. SWITCH - NEODYNE SERIES 160P	
11.3 INSTRUMENTS	CATHODIC PROTECTION RECTIFIER	
11.3 INSTRUMENTS	SUMP PUMP MOTOR (5HP) OLD SUMP	
11.3 INSTRUMENTS	I/P CONVERTOR - FISHER # 546-3	
11.3 INSTRUMENTS	PRESS SWITCH - UNITED ELECTRIC J110	
11.3 INSTRUMENTS	CONTROLLER - FOXDBORO #62HM-4ES-2	
11.3 INSTRUMENTS	PRESS. TRANSMITTER- FOXDBORO #EIIGH-SAD2	
11.3 INSTRUMENTS	D.P. TRANSMITTER - FOXDBORO #E13DM-KAM2	
11.3 INSTRUMENTS	TEMP TRANSMITTER - EMCO # (LINE BREAK)	
11.3 INSTRUMENTS	SUMP PUMP MOTOR (NEW SUMP)	
11.3 INSTRUMENTS	SUMP PUMP CONTROL PANEL (NEW SUMP)	
11.3 INSTRUMENTS	TURBINE METER - EMCO #PA2 (LINE BREAK)	
11.3 INSTRUMENTS	3-PEN RECORDER - FOXDBORO #G430HF-2	
11.3 INSTRUMENTS	PRESS. TRANSMITTER-GOULD #PG-3000 (LINE BREAK)	
11.3 INSTRUMENTS	POWER SUPPLY - FOXBORO #NO140AK	
11.3 INSTRUMENTS	DISTRIBUTION BAORD - FOXDBORO #NO140MA	
11.3 INSTRUMENTS	JACK PANEL - FOXDBORO #G375-4	

B.C. HYDRO
STATION EQUIPMENT

cem.	Description	Quantity
: Huntingdon Station		
0.1 1956 MJR MOD'S: '62, '78 & '84	SUMP PUMP MOTOR (NEW SUMP)	
1.1 MAIN REGS.- STN #1	16" FISHER 7610-480 BUTTERFLIES	
1.2 MAIN REGS.- STN #2	10" FISHER V-25 BALL	
5.1 MONITOR REGS. STN #1	16" GROVE ARCRON	
5.2 MONITOR REGS. STN #2	10" GROVE B5 BALL W/BETTIS ACTUATOR	
1.3 MONITOR CONTROLLERS	FOXBORO 43AP-PAZ	
3.1 RELIEF VALVE	6" GROVE MODEL 80 MP	
6.2 RELIEF PILOT	CDN METER TYPE "ZSC-150"	
1.1 ORIFICE METER	24" DANIEL "SENIOR"	
1.2 INSERTION METER	EFM VL600 (IN 36" OUTLET)	
7.3 FLOW RECORDER	BARTON 202A 3-PEN OUTLET)	
6.1 ISOLATION VALVES	12" PLUG VALVE - CLASS 300	
3.1 ISOLATION VALVES	30X24X30 GATE VALVE - CLASS 300	
6.1 ISOLATION VALVES	14" PLUG VALVE - CLASS 300	
6.1 ISOLATION VALVES	4" PLUG VALVE - CLASS 300	
3.1 ISOLATION VALVES	8" PLUG VALVE - CLASS 300	
3.1 ISOLATION VALVES	10" BALL VALVE - CLASS 400	
8.1 ISOLATION VALVES	6" PLUG VALVE - CLASS 300	
6.1 ISOLATION VALVES	2" PLUG VALVE - CLASS 600	
3.1 ISOLATION VALVES	16" GATE VALVE - CLASS 400	
6.1 ISOLATION VALVES	16" BALL VALVE - CLASS 400	
6.1 ISOLATION VALVES	18" GATE VALVE - CLASS 400	
ISOLATION VALVES	24" GATE VALVE - CLASS 400	
ISOLATION VALVES	24" BALL VALVE - CLASS 300	
8.1 ISOLATION VALVES	36" BALL VALVE - CLASS 300	
8.2 INTERCONNECTING PIPING	30-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	6-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	4-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	2-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	8-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	10-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	12-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	16-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	18-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	24-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	36-INCH PIPE (VARIOUS LENGTHS)	
9.0 POWER GAS SUPPLIES		
0.1 CHECK VALVES	10" CHEXTER CLASS 400	
10.2 VALVE OPERATORS	LEDEEN 50012-8.295 - FOR 36" OUTLET VALVE	
10.2 VALVE OPERATORS	LEDEEN 35012-8.223 - FOR 24" OUTLET VALVE	
1.1 ODORANT FILTERS	3/4" FRAM PCS-144	
1.2 METERING INJ. PUMPS	LAPP PULSAFEEDER, 2.9 GPH, #CPS-IAP	
11.3 TANKS	STORAGE TANKS - 30" DIA X 33' LONG, MOP=75 PSIG	
1.3 TANKS	CALIBRATION BOTTLE - 3" DIA TO GD-13201	
1.3 TANKS	DRY TANKS - 20" DIA TO GD-13067	
1.3 TANKS	ALCOHOL TANK - 16" DIA TO GD-13201	
1.3 TANKS	CALIBRATION BOTTLE3 - 11/4" DIA TO GD-13201	
1.4 ODORANT CONTROL VALVES	1/2" WORCESTER BALL VALVES W/#05-FIB ACTUATORS	
1.5 FLOW METERS	AMERICAN SS LO-FLOW 1/4"	
1.6 ODORANT POWER GAS SUPPLIES		
1.0 ELECTRIC SERVICE -	EMERGENCY GENERATOR - 15KW ONAN 15-OVC	

B.C. HYDRO
STATION EQUIPMENT

Item	Description	Quantity
12.0 ELECTRIC SERVICE -	FUSED DISCONNECTS - 60A FEEDER	3
12.0 ELECTRIC SERVICE -	SURGEPAK - WESTINGHOUSE #744 D094G01	1
12.0 ELECTRIC SERVICE -	TRANSFER SWITCH - KLOCKNER MOELLER #TP2-22/GKP	1
12.0 ELECTRIC SERVICE -	FUSED DISCONNECTS - 100A FEEDER	1
12.0 ELECTRIC SERVICE -	200A 120/240V 1PH SW	1
12.0 ELECTRIC SERVICE -	DISTR'N PANEL - 'D&C' SQ.D Q030MS 30CKT125A	1
12.0 ELECTRIC SERVICE -	DISTR'N PANEL - 'B' SQ.D Q008MS 8CKT100A	1
12.0 ELECTRIC SERVICE -	FUSED DISCONNECTS - 200A SERVICE ENTRANCE	1
12.0 ELECTRIC SERVICE -	DISTR'N PANEL - 'E' SQ.D Q012MS 12CKT100A	1
12.0 ELECTRIC SERVICE -	DISTR'N PANEL - 'A&G' SQ.D Q020MS 20CKT100A	1
12.1 LIGHTING	100W M.V. VAPOR TIGHT LUMINAIRE	1
12.1 LIGHTING	35W L.P.S. VAPOR TIGHT LUMINAIRE	1
12.1 LIGHTING	2 X 100W FLUORESCENT	1
12.1 LIGHTING	200 X.P. INC. LUMINAIRE	1
12.1 LIGHTING	150W INC. VAPORTIGHT LUMINAIRE	1
12.1 LIGHTING	2 X 40W FLUORESCENT	1
12.1 LIGHTING	100W INC. VAPORTIGHT WALL BRACKET LUMINAIRE	1
12.1 LIGHTING	400 M.V. FLOODLIGHTS - WESTINGHOUSE MRF400	1
12.2 BASE BOARD ELECTRIC HEATER		1
12.2 AIR CONDITIONER		1
12.2 COMBUSTIBLE GAS DETECTOR	J/W CD800W	1
12.2 FIRE ALARM SYSTEM	C/W HALON FIRE SUPPRESSION PYROTRONICS	1
12.2 HEATER CONTACTOR		1
12.2 ODORANT & FLOW MONITR CAB'T		1
12.3 ANALOG CABINET		1
12.4 INSTRUMENTS	RTD - FOXBORO DB-13V-226W	1
12.4 INSTRUMENTS	TURBINE METER - EFM #VL-600	1
12.4 INSTRUMENTS	MOISTURE ANALYSER - PANAMETRICS MODEL 700	1
12.4 INSTRUMENTS	P.D. TRANSMITTER - ROSEMOUNT #1151-DP-4E-22ME-CE	1
12.4 INSTRUMENTS	UPS SYSTEM - 1.2 KVA - ROSEMOUNT #1151-DP-4E-22ME-CE	1
12.4 INSTRUMENTS	CURRENT ISOLATOR - FOXBORO G6BC	1
12.4 INSTRUMENTS	MULTIPLIER/DIVIDER - FOXBORO G6DC-2H-4	1
12.4 INSTRUMENTS	FILTER - BARTON M327	1
12.4 INSTRUMENTS	GRAVITOMETER - UGC MODEL 4	1
12.4 INSTRUMENTS	SULPHUR ANALYSER - BARTON M407	1
12.4 INSTRUMENTS	FLOW COMPUTER - EFM #TR12/PT	1
12.4 INSTRUMENTS	FLOW METER - MICRO MOTION	1
12.4 INSTRUMENTS	D.C. MOTOR - RELIANCE	1
12.4 INSTRUMENTS	D.C. MOTOR CONTROLLER - BEEL	1
12.4 INSTRUMENTS	D.C. MOTOR CONTROLLER - RELIANCE	1
12.4 INSTRUMENTS	ODORANT CONTROL SW. PANEL XP.	1
12.4 INSTRUMENTS	ODORANT CONTROL PANEL - (CUSTOM)	1
12.4 INSTRUMENTS	SCADA RTU	1
12.4 INSTRUMENTS	POWER SUPPLY & DIST. BOARD - MODIFIED FOXBORO NO140MA	1
12.4 INSTRUMENTS	JACK PANEL - FOXBORO G3754	1
12.4 INSTRUMENTS	CURRENT ISOLATOR - FOXBORO G6BT	1
12.4 INSTRUMENTS	TEMP. TRANSMITTER - FOXBORO G94A	1
12.4 INSTRUMENTS	PRESS TRANSMITTER - FOXBORO EIIGM-SAD2	1
12.4 INSTRUMENTS	CONTROLLER - FOXBORO G2HAM-4ES-2	1
12.4 INSTRUMENTS	DIFF. PRESS TRANS - FOXBORO E13DM-KAM2	1
12.4 INSTRUMENTS	MANUAL LOADING STN. - FOXBORO G7HTG MPW	1
12.4 INSTRUMENTS	TEMP. INDICATOR - FOXBORO G5HV-ZHT	1

B.C. HYDRO
STATION EQUIPMENT

Description

Quantity

2.4 INSTRUMENTS	BATTERY BOX C/W BATTERIES	
2.4 INSTRUMENTS	CONTROLLER	- FOXBORO G2HAM-5ES-2
4 INSTRUMENTS	SWIRCHING UNIT	- FOXBORO G7HA-E
4 INSTRUMENTS	3-PEN RECORDER	- FOXBORO G430 HF-2
2.4 INSTRUMENTS	PRESS SWITCHES	- UNITED ELECTRIC J11G
4 INSTRUMENTS	E/I CONVERTOR	- FOXBORO G6GC-2V
4 INSTRUMENTS	I/P CONVERTOR	- FISHER 546-3
12.4 INSTRUMENTS	FLARE STACK - BURNER CONTROL (CUSTOM)	
10.0 ELECTRICAL SERVICE	DISTRIBUTION PANEL - SQ-D QOGMS GCKT	
1.0 ELECTRICAL SERVICE	60A 120/208V 1PH 3W (SUBFEED FROM GATE STN SERV')	
20.1 LIGHTING	2 X 40W FLUORESCENT LUMINAIRE	
20.1 LIGHTING	150W INC. LUMINAIRE	
1.2 BASE BOARD ELECT' HEATER		
1.2 MICROWAVE RADIO RACK -	FARNON	
20.2 MULTIPLEX RACK - COLLINS		
20.2 BATTERY CHRGR RACK		
1.2 BATTERY BANK - 24V		
20.2 ANTENNA		
20.2 VHF RADIO SET - B.C. RAIL		
3.2 VHF RADIO SET - GAS DIV.		

B.C. HYDRO
STATION EQUIPMENT

Description

Quantity

#4, Nelson City Gate Station

0.1 1959 (SOME MODIFIC'S SINCE)

1.1 SCRUBBER	36" DIA. PEERLESS MODEL VSC30	
1.2 FILL TANK	FOR 1.1	
1.3 FILL TANK	FOR 1.1	
2.0 HEATER	BS & B 2,000,000 BTU/HR, 6"CONN.FUELGAS CNTLS,AUTO RE-IG	
3.1 3-WAY HEATER BY-PASS	4" FISHER YS - 667, 3-WAY VALVE	
3.2 HEATER BY-PASS TEMP CONTRLR	FOXBORO 43 AP	
4.1 MAIN REGS. TEST STN.	2" FISHER G30	
4.1 MAIN REGS. T.P. STN.	4" CDN. METER AFV CLASS 300	2
4.1 MAIN REGS. T.P. STN.	3" GROVE MODEL 80 MP	
4.1 MAIN REGS. TEST STN.	2" CDN. METER AFV CLASS 300	
4.2 MAIN REG. PILOTS	CDN. METER TYPE "Z"	
5.1 MONITOR REGS. T.P. STN	4" GROVE MODEL 80 MP	
5.1 MONITOR REGS. TEST STATION	2" CDN. METER AFV CLASS 300	
5.2 MONITOR REG. PILOTS	CDN. METER TYPE "Z"	
6.1 RELIEF VALVES	8" GROVE MODEL 80 L.P.	
6.1 RELIEF VALVES	2" GROVE MODEL 80 L.P.	
6.1 RELIEF VALVES	2" CDN. METER AFV CLASS 300	
6.2 RELIEF PILOTS	CDN. METER TYPE "ZSC-150"	
7.1 ORIFICE METER	8" DANIEL "SENIOR"	
7.2 FLOW RECORDER	BARTON 202A 3-PEN	
8.1 ISOLATION VALVES	2" PLUG VALVE - CLASS 300	
8.1 ISOLATION VALVES	2" PLUG VALVE - CLASS 150	
8.1 ISOLATION VALVES	4" PLUG VALVE - CLASS 300	
8.1 ISOLATION VALVES	12" PLUG VALVE - CLASS 150	
8.1 ISOLATION VALVES	3" PLUG VALVE - CLASS 150	
8.1 ISOLATION VALVES	8" PLUG VALVE - CLASS 150	
8.1 ISOLATION VALVES	6" PLUG VALVE - CLASS 300	
8.2 INTERCONNECTING PIPING	12-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	8-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	6-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	4-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	3-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	2-INCH PIPE (VARIOUS LENGTHS)	
10.0 ELECTRICAL SERV	100A - 120/240V 1PH.	
10.0 ELECTRICAL SERV	W.P. DISTR'N PANEL - FPE #RHBE 10816	
10.0 ELECTRICAL SERV	400W M.V. FLOOD LIGHTS WESTINGHOUSE MRF400	
10.0 ELECTRICAL SERV	200W X.P. INC. LUMINAIRE	
10.0 ELECTRICAL SERV	PRESSURE TELEMETER CABINET	

B.C. HYDRO
STATION EQUIPMENT

<u>Item</u>	<u>Description</u>	<u>Quantity</u>
#3, Fraser City Gate Station		
1.1 1980 (MISC MODIF'S SINCE)		
1.1 SCRUBBERS	48" DIA BLOW-KNOX, TYPE MP	
1.2 FILL TANK	FOR 1.1	
1.2 SETTLING TANK	FOR 1.1	
1.0 HEATERS	BS&B 2,000,000 BTU/HR, 8" CONN, FUEL GAS CNTRL, AUTO RE-IGN	
1.0 HEATERS	BS&B 2,000,000 BTU/HR, 8" CONN, FUEL GAS CNTRL, AUTO RE-IGN	
3.1 HEATER BY-PASS VALVES -T.C.	8" FISHER 7610-2-76500656 TANDEM B"FLY	
3.2 HEATER BY-PASS TEMP. CTRLR.	FOXBORO MODEL 43AP	
3.3 HEATER BY-PASS OPERATOR PC.	ERICHSEN #670-4 PISTON, BAILEY PAS	
3.4 HEATER BY-PASS PRESS CNTRLR	FISHER WIZARD I	
4.1 MAIN REGS - STN #1	6" FISHER V25-470	
4.1 MAIN REGS - STN #2	8" X 6" FISHER "EWT"-657	
4.1 MAIN REGS - STN #2	6" FISHER "A" EQUAL PERCENT. -657	
4.2 MAIN REG. SILENCERS	18" DIA. MATRIX APR-6	
4.2 MAIN REG. SILENCERS	16" DIA. REGUFLO	
5.1 MONITOR REGS - STN #1	8" GROVE B-5 BALL /BETTIS OPERATORS	
5.1 MONITOR REGS - STN #2	6" FISHER "A" Q.O. - 657	
5.2 MONITOR CONTROLLERS	FOXBORO 43AP-PAZZN	
6.1 RELIEF VALVES	8" FISHER 282 DIA-GRID	
6.1 RELIEF VALVES	6" FISHER 282 DIA-GRID	
6.2 RELIEF PILOTS	CDN METER "ZSC-150"	
7.0 ORIFICE METER	12" DANIEL "SENIOR"	
7.0 ORIFICE METER	16" DANIEL "SENIOR"	
8.1 ISOLATION VALVES	24" PLUG - 200 WOG	
8.1 ISOLATION VALVES	20" BALL - CLASS 300	
8.1 ISOLATION VALVES	16" PLUG - CLASS 300	
8.1 ISOLATION VALVES	16" BUTTERFLY - 200 WOG	
8.1 ISOLATION VALVES	12" PLUG - CLASS 300	
8.1 ISOLATION VALVES	8" PLUG - CLASS 300	
8.1 ISOLATION VALVES	8" PLUG - 200 WOG	
8.1 ISOLATION VALVES	8" BALL - CLASS 300	
8.1 ISOLATION VALVES	6" PLUG - 200 WOG	
8.2 INTERCONNECTING PIPING	30-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	20-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	16-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	12-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	8-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	6-INCH PIPE (VARIOUS LENGTHS)	
9.0 POWER GAS SUPPLIES		
9.1 SHAFER OPERATOR	ON 16" INLET VALVE (20" LOOP) - 15 X 5.5	
9.2 CHECK VALVE	O/S OF 20-INCH INLET VALVE 24" LOOP)- WHEATLEY CLASS 300	
11.0 ELECTRICAL SERVICE	200A 120/240V 1PH	
	DISTR'N PANEL - 24CKT	
1.0 ELECTRICAL SERVICE	ANALOG PANEL	
1.0 ELECTRICAL SERVICE	SCADA RTV	
1.0 ELECTRICAL SERVICE	UPS SYSTEM - 300VA	
1.0 ELECTRICAL SERVICE	CATHODIC PROTECTION PANEL	
1.0 GAS DETECTOR	JW CD800	
1.0 SECURITY SYSTEM		
1.0 LIGHTING	200W X.P. LUMINAIRE	10
1.3 LIGHTING	400W H.V. FLOOD LIGHT - CROUSE HINDS	5

B.C. HYDRO
STATION EQUIPMENT

Item	Description	Quantity
11.3 LIGHTING	200W LUMINAIRE (INDOOR UNCLASSIFIED)	-
11.4 BASEBOARD HEATER		-
12.0 INSTRUMENTS	P/S - FOXBORO #NO140AK	-
12.0 INSTRUMENTS	DIST BOARD - FOXBORO #NO140MA	-
12.0 INSTRUMENTS	JACK PANEL - FOXBORO #G3754	-
12.0 INSTRUMENTS	3-PEN RECORDER - FOXBORO #G430HF-2	-
12.0 INSTRUMENTS	PRESSURE TRANSMITTER - FOXBORO #EIIGM-SADZ	-
12.0 INSTRUMENTS	PTD - FOXBORO #EI3DM-KAM2	-
12.0 INSTRUMENTS	PRESS. SWITCH - UNITED ELECTRIC	-
12.0 INSTRUMENTS	I/P CONVERTOR - FISHER 546	-
12.0 INSTRUMENTS	CONTROLLER - FOXBORO # GZHM-4ES-Z	-
12.0 INSTRUMENTS	TEMP TRANSMITTER - FOXBORO # G94AT-ZAW-G	-
12.0 INSTRUMENTS	RTD - FOXBORO # DB-13U-22GW	-

B.C. HYDRO
STATION EQUIPMENT

<u>Item</u>	<u>Description</u>	<u>Quantity</u>
#2. Coquitlam City Gate Station		
0.1 1955 MAJOR MOD'S IN 1978		
1.1 SCRUBBER	48" DIA. BLOW-KNOX, TYPE M.P.	
2.2 FILL TANK	FOR 1.1	
1.3 SETTLING TANK	FOR 1.1	
2.1 HEAT EXCHANGER	BROWN FINTUBE S4BEU1709	
2.2 BOILER	ALLIED SUPERHOT #AA-2280	
2.3 PUMPS	PARAMOUNT ML MODEL 2YSL-3	
2.4 TANKS	EXPANSION - 12" DIA. X 5' HIGH - FABRICATED TO ASME	
2.4 TANKS	SURGE - 20" DIA. X 5' HIGH - FABRICATED TO ASME	
2.5 TEMP CONTROL VALVE	3" HONEYWELL #V50-13A-1237	
2.5 TEMP CONTROLLER	HONEYWELL R7352B	
2.6 FUEL GAS METER SET	STANDARD TO BCH GD-7789	
2.1 MAIN REGS.	6" GROVE MODEL 80 M.P.	
2.2 MAIN REG. PILOTS	GROVE 824 MOTOR PILOTS	
5.1 MONITOR REGS.	6" GROVE MODEL 80 M.P.	
2.2 MONITOR REG. PILOTS	CDN. METER TYPE "Z"	
2.1 RELIEF VALVES	8" GROVE MODEL 80 LP	
6.1 RELIEF VALVES	3" GROVE MODEL 80 LP	
6.2 RELIEF PILOTS	CDN. METER TYPE "ZSC-150"	
2.0 ORIFICE METER	8" DANIEL "SENIOR"	
2.0 ORIFICE METER	10" DANIEL "SENIOR"	
7.0 ORIFICE METER	16" DANIEL "SENIOR"	
ISOLATION VALVES	20" PLUG VALVE - 200 WOG	
ISOLATION VALVES	12" PLUG VALVE - CLASS 300	
8.1 ISOLATION VALVES	12" PLUG VALVE - 200 WOG	
8.1 ISOLATION VALVES	10" PLUG VALVE - 200 WOG	
2.1 ISOLATION VALVES	8" PLUG VALVE - CLASS 300	
2.1 ISOLATION VALVES	8" PLUG VALVE - 200 WOG	
8.1 ISOLATION VALVES	6" PLUG VALVE - CLASS 300	
2.1 ISOLATION VALVES	3" PLUG VALVE - CLASS 150	
2.2 INTERCONNECTING PIPING	20-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	16-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	12-INCH PIPE (VARIOUS LENGTHS)	
2.2 INTERCONNECTING PIPING	10-INCH PIPE (VARIOUS LENGTHS)	
2.2 INTERCONNECTING PIPING	8-INCH PIPE (VARIOUS LENGTHS)	
8.2 INTERCONNECTING PIPING	6-INCH PIPE (VARIOUS LENGTHS)	
2.2 INTERCONNECTING PIPING	3-INCH PIPE (VARIOUS LENGTHS)	
2.0 POWER GAS SUPPLIES		
10.0 ELECTRICAL SERVICE -	200A 120/208V 3PH 4W	
10.0 ELECTRICAL SERVICE -	DISTRIBUTION PANELS-100A 120/208V 1PH. 16CKT	
2.0 ELECTRICAL SERVICE -	DISTRIBUTION PANELS-100A 120/208V 3PH. 24CKT	
2.0 ELECTRICAL SERVICE -	FUSED DISCONNECT - 200A 4W S/N	
10.0 ELECTRICAL SERVICE -	FUSED DISCONNECT - 100A 4W S/N	
2.0 ELECTRICAL SERVICE -	MANUAL TRANSFER SWITCH - SQ.D 82342 60A 3P.	
2.0 ELECTRICAL SERVICE -	BOILER CONTROL PANEL	
2.0 ELECTRICAL SERVICE -	WATER CIR. PUMP MOTOR	
2.1 ANALOG CABINET		
2.1 SCADA RTU		
UPS SYSTEM - 300VA		
SECURITY SYSTEM		
GAS DETECTOR - Jw. CD800W		

B.C. HYDRO
STATION EQUIPMENT

Item	Description	Quantity
0.2 LIGHTING	400W M.V. FLOODLIGHT WESTINGHOUSE MRF400	1
0.2 LIGHTING	200W X.P. INCANDESCENT LUMINAIRE	1
0.2 LIGHTING	100W M.V. LIQUID TIGHT LUMINAIRE	1
10.2 UNIT HEATER (FORCED AIR)		
11.0 INSTRUMENTS	P/S - FOXBORO #NO140AK	1
11.0 INSTRUMENTS	DIST'N BOARD - FOXBORO #NO140MA	1
11.0 INSTRUMENTS	JACK PANEL - FOXBORO #G3754	1
11.0 INSTRUMENTS	3-PEN RECORDER - FOXBORO G430-HF-2	1
11.0 INSTRUMENTS	CONTROLLER - FOXBORO G22HM-4ES-2	1
11.0 INSTRUMENTS	PRESS TRANSMITTER - FOXBORO EIIGH-SAD2 (0-200PSIG)	1
11.0 INSTRUMENTS	PDT - FOXBORO EI3DM-KAM2	1
11.0 INSTRUMENTS	I/P CONVERTOR - FISHER 546-3	1
11.0 INSTRUMENTS	TEMP TRANSMITTER - FOXBORO #694AC-2AW-G	1
11.0 INSTRUMENTS	RTD - FOXBORO #DB-13U-226W	1
11.0 INSTRUMENTS	PRESSURE TRANSMITTER - FOXBORO #EIIGH-SAD2 (0-1000PSIG)	1
11.0 INSTRUMENTS	PRESSURE SWS - UNITED ELECTRIC	1

B.C. HYDRO
MEASUREMENT REGISTRATION EQUIPMENT

BECHSFORD DIST

MCDERMOTT
RIVERSIDE

BURNABY/BARNET

INGLETON & DUNDAS
KITCHENER & GILMORE
16TH & 19TH STREET
BOUNDARY & VANNES
AUBREY & ARDEN
BROADWAY & UNDERHILL
16TH & MARY
IMPERIAL & JUBILEE
BOUNDARY & THURSTON
2ND & BOUDARY
SPRINGER & BROADWAY
SPRINGER & EMPIRE
BULLER & GILLEY
MCDONALD & LANE SOUTH OF PENDER

District of Chilliwack

ATCHELITZ
CHILLIWACK
ROSEDALE
YARROW
S.D. 33 - CULTUS LAKE AREA

Codjctian District - Maillardville

CLARKE & ROBINSON
POIRIER & GROVER
HENDERSON & JACKSON
BRUNETTE & SCHOOLHOUSE
COMO LAKE & WESTWOOD
PIPELINE & PINETREE
1435 PIPELINE
PIPELINE & GALLETT
COMO LAKE & WESTWOOD (SD-8745)

Delta District

ALLAN
BENSON
BOUNDERY BAY
SA AVE
ENGLISH BLUFF
GOUDY
HURD ROAD
RAITT ROAD
RICHARDSON
TILBURY

Hope Town

HOPE TOWN

Kent District - Agassiz

AGASSIZ
HARRISON HOT SPRINGS VILLAGE
S.D. 76 HARRISON AREA

Langley Township

ALDERGROVE
ALEXANDER
BRADSHAW #1
BRADSHAW #2
FORT LANGLEY
GRAY
HOWELL ROAD
JACKMAN
LIVINGSTONE ROAD
MCKAY
OTTER ROAD
BROOKSWOOD
GLOVER ROAD

Maple Ridge District

ALBION
HAMMOND
HANEY
KANAKA CREEK

Matsqui District

CLEARBROOK
GLADWIN
KING ROAD #1
KING ROAD #2

Mission District

MISSION
SILVERDALE

New Westminster City

4TH & GILLEY
6TH & CUMBERLAND
1ST & QUEENS
PEMBINA & SALTER
3RD. & QUEENS
PEMBINA & BELGRAVE

North Vancouver City

29TH & JONES
6TH & ST. ANDREWS
KEITH & BROOKSBANK
6TH & MAHON

North Vancouver District

15TH & MCGUIRE
N.E. 2ND NARROWS

Pitt Meadows District

PITT MEADOWS - HARRIS & LOUGHEED

Port Coquitlam City

PORT COQUITLAM CITY

Port Moody City

PORT MOODY CITY

Richmond Township - Steveston

CAMBIE & RIVER RD.
S.E. OAK
NO. 6 & VULCAN

MAPLE & MATTHEWS
37TH & ONTARIO
5TH & PINE
7TH & HEATHER
L/S 35TH & PINE CRES.
45TH & ELM

57TH & MAPLE
37TH & L/W CARTIER
L/S 7TH & BLANCE
24TH & WINDSOR
L/S 8TH & HIGHBURY
L/E CAMBIE KING EDWARD
WINDERMERE & PARKER
ANGUS & MATTHEWS
15TH BALACLAVA
32ND & CROWN
WALL & PENTICTON
L/S 10TH & ST. GEORGE
29TH & SLOCAN
37TH & PINE
MARINE ELLIOTT (GD-12197)
6TH & QUEBEC
PENDER & VERNON

West Vancouver District

22ND & MATHERS
11TH & MATHERS
CAPILANO & MARINE
EAGLE HARBOUR ROAD

Langley City

LANGLEY DISTRICT
LANGLEY

SD 43, Coquitlam

CONSISTING OF FOLLOWING LOCATIONS:
1000 TAP (IMPERIAL OIL)

University Endowment Lands

ACADIA & UNIVERSITY
W. PARKWAY & UNIVERSITY
CHANCELLOR & WESTERN

OAK STREET LINE BREAK STATION
BURRARD STREET LINE BREAK STATION
KNIGHT STREET LINE BREAK STATION
2ND NARROWS BRIDGE LINE STREET STATION
PATTULLO BRIDGE LINE BREAK STATION

No. 6 - Trenton Gate Station

No. 8 Barnet City Gate Station

No. 7 Richmond City Gate Station

No. 5 River Road City Gate Station

No. 1 Pattullo City Gate Station

Huntingdon Station

No. 4 Nelson City Gate Station

No. 3 Fraser City Gate Station

No. 2 Coquitlam City Gate Station

Burrard Thermal Plant

AMENDED

DISCLOSURE SCHEDULE 13

[Mainland Gas]

GAS SUPPLY CONTRACTS

GENERAL SERVICE - TRANSPORTATION

There are 36 General Service - Transportation accounts with customers who have contracted to take firm gas from B.C. Hydro under a Firm Gas Service Agreement. Gas purchased under these agreements may be resold in a compressed state to the general public when such sales are made through a public station fuelling facility. Additional details are described in the Gas Tariff under Act 2206.

The following is a list of the rates effective 15 January 1988.

<u>Bi-Monthly Consumption</u>	<u>Rate</u>
Basic charge	\$9.28
All gigajoules	\$3.72 per gigajoule

**B.C. HYDRO MAINLAND GAS
AGREEMENTS**

INTERRUPTIBLE GAS

B.C. Hydro has a standard contract for Interruptible Gas with 109 customers. These contracts are subject to the terms and conditions contained in the Gas Tariff of the Authority and the rates provided in Rate Schedule 2501. Under some of these contracts the customers must take meter readings and forward them to Hydro, others are read via telemetering. Accounts are billed by Hydro and become overdue seven days after presentation. The contract is effective from the date the gas is originally turned on, or from such later date as Hydro may consent to in writing for a period of one year. Upon expiration of the said period the agreement shall be deemed to be renewed for succeeding periods of one year unless terminated by either party by written notice given not less than thirty days prior to the expiration of the any period.

The following is a list of the rates effective 14 January 1988.

Monthly Consumption -----	Rate ----
First 1500 gigajoules	\$4,029.15
Next 6500 gigajoules	\$2.49 per gigajoule
Next 17000 gigajoules	\$2.26 per gigajoule
All additional gigajoules	\$2.23 per gigajoule

If during a Period of Interruption a customer has failed to comply with the Authority's requirement to cease or curtail the use of gas and the Authority, in its sole discretion, continues to supply gas, the rate for such gas shall be \$18.84 per gigajoule by which the customer's consumption during such period exceeds the amount to which the customer was required to curtail.

The following is a list of the Interruptible customers and the effective dates for their contracts.

Customer -----	Contract Date -----
326630 B.C. Ltd.	23/3/88
Act 1 Uniform Rentals	1/5/86
Airport Terminal	21/8/68
Alcan Rod Terminal	11/12/81
Alumatek Metals	10/12/87
Anglo American Cedar	6/2/69
Aurun Mines Ltd.	26/5/87
B.A. Blacktop	8/4/68
Bayshore Inn	9/3/71
Beach View Service	10/11/82
Belkin Paperboard	30/6/70
Borden Chemicals	11/5/78

B.C. Forest Products	14/3/79
B.C. Forest - Tilbury	6/7/87
B.C.I.T.	18/10/63
B.C. Packers	16/2/78
Burnaby Hospital	28/2/84
BBY Lake Green.(160th)	26/8/83
BBY Lake Green.(80th)	3/10/86
Canada Cup	30/8/74
Canada Harbour Place	17/1/85
Canada Iron	31/7/68
Canadian Airlines	15/11/69
Canadian Autoparts	1/5/86
C.F.B. - Chilliwack	
C.F.B. - Jericho	1/4/74
Canadian Linen	31/8/63
Canadian Occidental	31/8/63
Canadian Potteries	81/8/63
Cantree Plywood	29/12/81
Carling Breweries	29/11/69
Central Heat	20/10/68
Cewe Jack	4/8/66
Chevron Canada	31/8/63
Chilliwack Hospital	18/3/71
Clayburn Industries	30/11/69
Columbia Bit. - Cog.	23/4/74
Columbia Bit. - Rich.	30/5/71
Con-Force Structures	13/6/73
Crown Forest Coast Wood	19/10/73
Crown Forest Industries	31/8/63
Cypress Gardens	
Domtar Const. Materials	4/6/80
Domtar Inc.	20/1/81
Eagle Ridge Hospital	15/5/84
Eburne Sawmills	19/5/76
Electric Reduction	1/5/76
Empress Foods Ltd.	31/8/63
Finning Tractor	19/2/64
Flavelle Cedar	1/6/71
Forssells Greenhouse	30/10/72
Fraser Nurseries	23/9/82
Fraser Nurseries (172nd)	15/12/82
F.V. Foods (Sardis)	1/4/85
F.V.M.P.A. (BBY)	7/10/63
F.V.M.P.A. (Delair)	
F.V. Trout Hatchery	
Harrison Hotel	1/9/87
Hazelmere Greenhouses	
Health Sciences Hosp.	22/2/77
Imperial Oil	15/1/69
Inter-Cont. Packers	
Island Paper	31/8/63
Keefer Laundry	8/5/68
Labatt's Breweries	5/4/71
Lafarge Cement	1/7/72
Langara Gardens	1/7/80
Langley Hospital	3/3/65

Lions Gate Hospital	1/11/82
Lipton Thomas J.	22/2/80
L.M.R.C. Centre	31/8/63
MacMillan Bathurst	1/7/83
Maple Ridge Hospital	26/7/78
Marine Way Industries	4/6/87
Metalex Products	13/4/84
Molson's Breweries	20/2/70
Nalley's Ltd.	1/12/65
Nelson's Laundry	31/8/63
Ocean Construction	1/10/76
Particleboard (MacBlo)	10/2/65
Richmond General	10/3/66
Richmond Plymouth	31/10/64
Riverview Hospital	9/12/71
Royal Columbian Hospital	1/11/72
St. Mary's Hospital	31/8/63
Sawarne Lbr. Co. Ltd.	1/6/85
Scott Paper	31/8/63
Shannon Greenhouses	24/11/86
Shaughnessy Hospital	31/8/63
Simon Fraser Hospital	14/9/65
Sumas Clay Products	3/3/80
Surrey Hospital	19/3/70
Teal Cedar Products	1/8/87
Texada Lime	1/4/72
Tilbury Cement	26/4/78
Titan Steel	20/3/70
Tree Island Industries	7/5/85
Uneeda Wood Products	9/7/87
University of B.C.	31/8/63
Van. City Asphalt	22/2/71
Van. District Sewerage	19/11/68
Van. General Hospital	31/8/63
Westcoast Reduction	20/1/65
Westroc Industries	15/6/85
Winvan Gravel	1/1/72
Woodlands School	11/3/71
Worker's Compensation	16/12/82
Campeau Corporation	
Matsqui Institute	

INTERRUPTIBLE GAS - TRANSPORTATION

On an interruptible basis, for the transportation of gas owned by a Shipper through the Authority's transmission and distribution system from Point of Receipt to Point of Delivery. The Authority may, at any time, for any reason and any length of time, interrupt the receipt of the Shipper's gas at the Point of Receipt. Agreements are for a period of twelve consecutive months. Either Party shall provide 1 months written notice of termination prior to the end of the agreement period. If no notice of termination is received at least 1 month prior to the end of the agreement period, the agreement period is deemed to be extended 12 more consecutive months. Additional details are described in the Gas Tariff under Rate Schedule 2008.

The following is a list of the rates effective 15 January 1988.

Monthly Transportation -----	Rate ----
First 1500 gigajoules or less	\$1,968.65
All additional gigajoules	\$0.78 per gigajoule

If, on any day during a period of interruption, the Shipper's consumption of gas exceeds the amount by which the Shipper was required to curtail, the rate for such gas will be the same rate per gigajoule for each gigajoule by which the Shipper's consumption during such period exceeds the amount to which the Shipper was required to curtail as charged under Rate Schedule 2501 for gas taken during a Period of Interruption.

The following is a list of the Interruptible Gas Transportation contracts, their purpose and relevant dates.

Customer -----	Purpose -----	(C)Contract Date (E)Expiry Date -----
Chatterton Petrochemical Corporation	To provide interruptible gas transportation service for supply of gas to 7927 River Road, Delta.	(C)1/11/87 (E)Annual
B.C. Sugar Refining Co.	To provide interruptible gas transportation service for supply of gas to 123 Rogers Street, Vancouver.	(C)5/3/88 (E)Annual
Petro-Canada Inc.	To provide interruptible gas transportation service for supply of gas to 1155 Glenayre Drive, Port Moody.	(C)12/2/88 (E)Annual
Shell Canada	To provide interruptible gas transportation service for supply of gas to 201 Kensington Avenue, Burnaby.	(C)1/3/88 (E)Annual

SPECIAL INTERRUPTIBLE SALES

The following is a list of the Special Interruptible Sales contracts, their purpose and relevant dates.

Customer -----	Purpose -----	(C)Contract Date (E)Expiry Date -----
Lafarge Cement	Special interruptible gas sales.	(C)1/2/87 (E)31/10/88
Tilbury Cement	Special interruptible gas sales.	(C)1/2/87 (E)31/10/88

SMALL INDUSTRIAL CONTRACTS

There are 409 small industrial customer accounts with customers who have contracted to take firm gas from B.C. Hydro under a Firm Gas Service Agreement. Further details are described in the Gas Tariff under Rate 2209. A list of customers is available.

The following is a list of the rates effective 14 January 1988.

Bi-Monthly Consumption	Rate
-----	----
Basic charge	\$9.28
First 1000 gigajoules	\$4.21 per gigajoule
Next 15000 gigajoules	\$3.72 per gigajoule
Next 34000 gigajoules	\$3.47 per gigajoule
All additional gigajoules	\$3.25 per gigajoule

NONRESIDENTIAL CUSTOMERS

There are 39,460 customers who have contracted to take firm gas from B.C. Hydro at rates 2207 and 2208, 2,816 at rate 2207 and 36,644 at rate 2208. About 5% of these have signed a Firm Gas Service Agreement, and others have signed the standard Application for Service.

The following is a list of the rates effective 14 January 1988.

Bi-Monthly Consumption	Rate
-----	----
Basic charge	\$9.28
First 1000 gigajoules	\$4.21 per gigajoule
Next 15000 gigajoules	\$3.72 per gigajoule
Next 34000 gigajoules	\$3.47 per gigajoule
All additional gigajoules	\$3.25 per gigajoule

SEASONAL GAS CUSTOMERS

There are 48 customers who have contracted to take seasonal gas from B.C. Hydro under a Firm Gas Service Agreement. This service is for industrial or commercial use where gas will be used principally during the off-peak period. Not available for transportation use. The customer is to use the gas only for the purpose or purposes specified in his agreement for service with the Authority and in the equipment specified in such agreement or in any notices of changes or additions to such equipment given from time to time by the customer to the Authority in writing and to which changes or additions the Authority gives consent in writing to the customer. Rates and details are described in the Gas Tariff under rate codes 2601 and 2602.

The following is a list of the rates effective 14 January 1988.

Monthly Consumption -----	Off-Peak Period Rates -----
First 200 gigajoules or less	\$639.96
Next 300 gigajoules	\$3.20 per gigajoule
All additional gigajoules	\$2.78 per gigajoule

Monthly Consumption -----	Peak Period Rates -----
First 5 gigajoules or less	\$4.06 per gigajoule
All additional gigajoules	\$8.35 per gigajoule

The following is a list of the Seasonal Gas customers.

Customer -----

City of Port Coquitlam
Corporation of Burnaby
C.J. Oliver Developments Limited
Matsqui Abbotsford Recreation Commission Pool
Corporation of Burnaby
District of Coquitlam
District of Coquitlam

Surrey Municipality
Board of Parks and Recreation - City of Vancouver
Surrey Municipality Parks and Recreation Holly Pool
Board of Parks and Recreation - City of Vancouver
Billronjo Holdings Ltd.
City of Port Moody Rocky Point Park
City of Langley Swimming Pool
Corporation of Burnaby
Maple Ridge DM
Surrey Municipality
City of New Westminster
Surrey Municipality Parks and Recreation Bear Creek Park

Fraser Cheam Regional District
District of Coquitlam

Richmond Municipality
Matsqui-Abbotsford Recreation Commission
District of Chilliwack Rotary Pool
Surrey Municipality Parks and Recreation Kwahltlen Pool
Board of Parks and Recreation City of Vancouver
Richmond Municipality
Surrey Municipality Parks and Recreation Kennedy Pool
Cultus Lake Waterpark Limited
Corporation of Burnaby
District of Coquitlam
District of Coquitlam
Delta Municipality
Surrey Municipality
Surrey Municipality
Clayburn Industries Limited
Canadian Fishing Company Limited

Dome Greenhouses Limited
John I. Haas Hop Company Canada Limited
John I. Haas Hop Company Canada Limited
Royal City Foods Limited - Delnor Plant
Ocean Fisheries Limited
John I. Haas Hop Company Canada Limited
City of New Westminster (Hume Park)
Surrey Municipality Parks & Recreation - Hjorth Road

GAS SUPPLY CONTRACTS

<u>Contract Date</u>	<u>Description</u>	<u>Expiry Date</u>
Westcoast Transmission Company Limited		
18/2/55	1) First Service Agreement. Gas Purchase for Lower Mainland. Assignable with consent. notice. For non-performance 30 days written notice.	20 years with 5 yr ext to 35 years. Yr by yr after.
3/10/57	2) Second Service Agreement. Gas Purchase for Lower Mainland.	Same as first agreement.
28/10/67	3) Letter Agreement. As amended. Gas Purchase for Lower Mainland.	31/10/91
18/9/87	4) Firm Service Agreement. Firm transportation service for 21 MMcf/d from Aitken Creek. Terminated by written notice.	31/10/88
1/11/87	5) Interruptible Service. Interruptible transportation service for 25 MMcf/d best efforts gas from Aitken Creek.	31/10/88
9/11/83 amended 20/2/84	6) Storage Gas Agreement. Delivery to and redelivery from Jackson Prairie. Terminated on 12 mos. written notice by either party.	30/4/89 and year by year thereafter
Westcoast Transmission Company Limited and Pacific et al		
1/6/77 as amended 2/12/80	1) Westcoast Transmission gas supply agreement for B.C. Hydro Fort Nelson Generating Plant.	31/10/96
Fort Nelson Gas Limited		
1/11/65	1) Gas Sales Agreement. Novation of Gas Sales Agreement to Westcoast	31/10/96

<u>Contract Date</u>	<u>Description</u>	<u>Expiry Date</u>
Unocal Canada Limited		
8/9/87	1) Letter Agreement - Aitken Creek Supply, reservation and storage from Aitken Creek.	31/3/88
Washington Water Power Company		
4/11/82 ammended 2/2/84	1) Release of Jackson Prairie Storage Capacity. Rental of underground storage capacity at Jackson Prairie. Terminated by written notice on anniversary.	30/4/88 Yr by yr thereafter
Dome Petroleum		
29/3/88	1) Alces Gas Purchase Agreement. Best efforts peaking supplies for Lower Mainland. Assignable with consent.	Terminated on 30 days writ- ten notice by either party.
Mobil Oil		
21/12/87	1) Letter agreement. Best efforts peaking supplies for Lower Mainland.	Terminated on 30 days writ- ten notice by either party.
Czar Resources		
21/12/87	1) Letter agreement. Best efforts peaking supplies for Lower Mainland.	Terminated on 30 days writ- ten notice by either party.

Lions Gate Hospital	1/11/82
Lipton Thomas J.	22/2/80
L.M.R.C. Centre	31/8/63
MacMillan Bathurst	1/7/83
Maple Ridge Hospital	26/7/78
Marine Way Industries	4/6/87
Metalex Products	13/4/84
Molson's Breweries	20/2/70
Nalley's Ltd.	1/12/65
Nelson's Laundry	31/8/63
Ocean Construction	1/10/76
Particleboard (MacBlo)	10/2/65
Richmond General	10/3/66
Richmond Plymouth	31/10/64
Riverview Hospital	9/12/71
Royal Columbian Hospital	1/11/72
St. Mary's Hospital	31/8/63
Sawarne Lbr. Co. Ltd.	1/6/85
Scott Paper	31/8/63
Shannon Greenhouses	24/11/86
Shaughnessy Hospital	31/8/63
Simon Fraser Hospital	14/9/65
Sumas Clay Products	3/3/80
Surrey Hospital	19/3/70
Teal Cedar Products	1/8/87
Texada Lime	1/4/72
Tilbury Cement	26/4/78
Titan Steel	20/3/70
Tree Island Industries	7/5/85
Uneeda Wood Products	9/7/87
University of B.C.	31/8/63
Van. City Asphalt	22/2/71
Van. District Sewerage	19/11/68
Van. General Hospital	31/8/63
Westcoast Reduction	20/1/65
Westroc Industries	15/6/85
Winvan Gravel	1/1/72
Woodlands School	11/3/71
Worker's Compensation	16/12/82
Campeau Corporation	
Matsqui Institute	

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-----	-----	-----
Chatterton Petrochemical Corporation	To provide interruptible gas transportation service for supply of gas to 7927 River Road, Delta.	(C)1/11/87 (E)Annual
B.C. Sugar Refining Co.	To provide interruptible gas transportation service for supply of gas to 123 Rogers Street, Vancouver.	(C)5/3/88 (E)Annual
Petro-Canada Inc.	To provide interruptible gas transportation service for supply of gas to 1155 Glenayre Drive, Port Moody.	(C)12/2/88 (E)Annual
Shell Canada	To provide interruptible gas transportation service for supply of gas to 201 Kensington Avenue, Burnaby.	(C)1/3/88 (E)Annual

SPECIAL INTERRUPTIBLE SALES

The following is a list of the Special Interruptible Sales contracts, their purpose and relevant dates.

Customer -----	Purpose -----	(C)Contract Date (E)Expiry Date -----
Lafarge Cement	Special interruptible gas sales.	(C)1/2/87 (E)31/10/88
Tilbury Cement	Special interruptible gas sales.	(C)1/2/87 (E)31/10/88

SMALL INDUSTRIAL CONTRACTS

There are 409 small industrial customer accounts with customers who have contracted to take firm gas from B.C. Hydro under a Firm Gas Service Agreement. Further details are described in the Gas Tariff under Rate 2209. A list of customers is available.

The following is a list of the rates effective 14 January 1988.

Bi-Monthly Consumption	Rate
-----	----
Basic charge	\$9.28
First 1000 gigajoules	\$4.21 per gigajoule
Next 15000 gigajoules	\$3.72 per gigajoule
Next 34000 gigajoules	\$3.47 per gigajoule
All additional gigajoules	\$3.25 per gigajoule

NONRESIDENTIAL CUSTOMERS

There are 39,460 customers who have contracted to take firm gas from B.C. Hydro at rates 2207 and 2208, 2,816 at rate 2207 and 36,644 at rate 2208. About 5% of these have signed a Firm Gas Service Agreement, and others have signed the standard Application for Service.

The following is a list of the rates effective 14 January 1988.

Bi-Monthly Consumption	Rate
-----	----
Basic charge	\$9.28
First 1000 gigajoules	\$4.21 per gigajoule
Next 15000 gigajoules	\$3.72 per gigajoule
Next 34000 gigajoules	\$3.47 per gigajoule
All additional gigajoules	\$3.25 per gigajoule

SEASONAL GAS CUSTOMERS

There are 48 customers who have contracted to take seasonal gas from B.C. Hydro under a Firm Gas Service Agreement. This service is for industrial or commercial use where gas will be used principally during the off-peak period. Not available for transportation use. The customer is to use the gas only for the purpose or purposes specified in his agreement for service with the Authority and in the equipment specified in such agreement or in any notices of changes or additions to such equipment given from time to time by the customer to the Authority in writing and to which changes or additions the Authority gives consent in writing to the customer. Rates and details are described in the Gas Tariff under rate codes 2601 and 2602.

The following is a list of the rates effective 14 January 1988.

Monthly Consumption	Off-Peak Period Rates
First 200 gigajoules or less	\$639.96
Next 300 gigajoules	\$3.20 per gigajoule
All additional gigajoules	\$2.78 per gigajoule

Monthly Consumption	Peak Period Rates
First 5 gigajoules or less	\$4.06 per gigajoule
All additional gigajoules	\$8.35 per gigajoule

The following is a list of the Seasonal Gas customers.

Customer

City of Port Coquitlam
Corporation of Burnaby
C.J. Oliver Developments Limited
Matsqui Abbotsford Recreation Commission Pool
Corporation of Burnaby
District of Coquitlam
District of Coquitlam

Surrey Municipality
Board of Parks and Recreation - City of Vancouver
Surrey Municipality Parks and Recreation Holly Pool
Board of Parks and Recreation - City of Vancouver
Billironjo Holdings Ltd.
City of Port Moody Rocky Point Park
City of Langley Swimming Pool
Corporation of Burnaby
Maple Ridge DM
Surrey Municipality
City of New Westminster
Surrey Municipality Parks and Recreation Bear Creek Park

Fraser Cheam Regional District
District of Coquitlam

Richmond Municipality
Matsqui-Abbotsford Recreation Commission
District of Chilliwack Rotary Pool
Surrey Municipality Parks and Recreation Kwahltlen Pool
Board of Parks and Recreation City of Vancouver
Richmond Municipality
Surrey Municipality Parks and Recreation Kennedy Pool
Cultus Lake Waterpark Limited
Corporation of Burnaby
District of Coquitlam
District of Coquitlam
Delta Municipality
Surrey Municipality
Surrey Municipality
Clayburn Industries Limited
Canadian Fishing Company Limited

Dome Greenhouses Limited
John I. Haas Hop Company Canada Limited
John I. Haas Hop Company Canada Limited
Royal City Foods Limited - Delnor Plant
Ocean Fisheries Limited
John I. Haas Hop Company Canada Limited
City of New Westminster (Hume Park)
Surrey Municipality Parks & Recreation - Hjorth Road

GAS SUPPLY CONTRACTS

<u>Contract Date</u>	<u>Description</u>	<u>Expiry Date</u>
Westcoast Transmission Company Limited		
18/2/55	1) First Service Agreement. Gas Purchase for Lower Mainland. Assignable with consent. notice. For non-performance 30 days written notice.	20 years with 5 yr ext to 35 years. Yr by yr after.
3/10/57	2) Second Service Agreement. Gas Purchase for Lower Mainland.	Same as first agreement.
28/10/67	3) Letter Agreement. As amended. Gas Purchase for Lower Mainland.	31/10/91
18/9/87	4) Firm Service Agreement. Firm transportation service for 21 MMcf/d from Aitken Creek. Terminated by written notice.	31/10/88
1/11/87	5) Interruptible Service. Interruptible transportation service for 25 MMcf/d best efforts gas from Aitken Creek.	31/10/88
9/11/83 amended 20/2/84	6) Storage Gas Agreement. Delivery to and redelivery from Jackson Prairie. Terminated on 12 mos. written notice by either party.	30/4/89 and year by year thereafter
Westcoast Transmission Company Limited and Pacific et al		
1/6/77 as amended 2/12/80	1) Westcoast Transmission gas supply agreement for B.C. Hydro Fort Nelson Generating Plant.	31/10/96
Fort Nelson Gas Limited		
1/11/65	1) Gas Sales Agreement. Novation of Gas Sales Agreement to Westcoast	31/10/96

<u>Contract Date</u>	<u>Description</u>	<u>Expiry Date</u>
Unocal Canada Limited		
8/9/87	1) Letter Agreement - Aitken Creek Supply, reservation and storage from Aitken Creek.	31/3/88
Washington Water Power Company		
4/11/82 ammended 2/2/84	1) Release of Jackson Prairie Storage Capacity. Rental of underground storage capacity at Jackson Prairie. Terminated by written notice on anniversary.	30/4/88 Yr by yr thereafter
Dome Petroleum		
29/3/88	1) Alces Gas Purchase Agreement. Best efforts peaking supplies for Lower Mainland. Assignable with consent.	Terminated on 30 days writ- ten notice by either party.
Mobil Oil		
21/12/87	1) Letter agreement. Best efforts peaking supplies for Lower Mainland.	Terminated on 30 days writ- ten notice by either party.
Czar Resources		
21/12/87	1) Letter agreement. Best efforts peaking supplies for Lower Mainland.	Terminated on 30 days writ- ten notice by either party.

AMENDED
DISCLOSURE SCHEDULE 14
[Mainland Gas]

GAS RIGHTS OF WAY

Vancouver Land Title Office

Charge Numbers

1. A16795
2. A20025
3. C10035
4. C63221
5. C6437
6. C74499
7. C78664
8. D16995
9. D27675
10. D67054
11. E63202
12. G21729
13. G32157
14. G50277
15. G64930
16. G79568
17. H25842
18. J21107
19. J22558
20. J50065

WPD-H/MG

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

VANCOUVER LAND TITLE OFFICE

CHARGE NUMBERS

- 21) J6928
- 22) J8967
- 23) J8968
- 24) K10511
- 25) K12098
- 26) K12345
- 27) K14703
- 28) K14704
- 29) K15386
- 30) K15387
- 31) K16125
- 32) K17832
- 33) K18751
- 34) K19607
- 35) K21437
- 36) K21438
- 37) K22418
- 38) K24827
- 39) K26630
- 40) K27567

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

VANCOUVER LAND TITLE OFFICE

CHARGE NUMBERS

41) K29036

42) K32901

43) K36382

44) K38558

45) K48521

46) K48522

47) K51137

48) K5601

49) K56712

50) K60538

51) K62715

52) K9115

53) K9116

54) K9117

55) K9118

56) L2388

57) L50063

58) L52380

59) L64369

60) M72456

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

VANCOUVER LAND TITLE OFFICE

CHARGE NUMBERS

61) M95604

62) N105507

63) N11232

64) N31730

65) N64262

66) N64263

67) N72111

68) N75241

69) N75242

70) P3624

71) R106028

72) R22343

73) R2835

74) 148007M

75) 14991M

76) 16246M

77) 17014M

78) 241819M

79) 293159M

80) 32237M

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

VANCOUVER LAND TITLE OFFICE

CHARGE NUMBERS

81) 337239M

82) 375434M

83) 376046M

84) 377373M

85) 381110M

86) 392928M

87) 414210M

88) 467016M

89) 488246M

90) 522293M

91) 523186M

92) 526942M

93) 541485M

94) 75228M

95) AA101968

96) AA101969

97) AA10982

98) AA114309

99) AA120527

100) AA150793

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

101) AA153744

102) AA16563

103) AA166849

104) AA178360

105) AA180472

106) AA184839

107) AA193801

108) AA194208

109) AA201849

110) AA202447

111) AA20987

112) AA212328

113) AA212329

114) AA223103

115) AA227910

116) AA236565

117) AA240491

118) AA248753

119) AA41322

120) AA41323

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

121) AA41324
122) AA6034
123) AA88009
124) AA88010
125) AA88123
126) AA8890
127) AB108907
128) AB10904
129) AB17486
130) AB19853
131) AB21163
132) AB21171
133) AB24693
134) AB25647
135) AB34100
136) AB35037
137) AB38576
138) AB43998
139) AB45759
140) AB46849

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS .

141) AB53901

142) AB54975

143) AB5735

144) AB58096

145) AB58097

146) AB6003

147) AB63234

148) AB81417

149) AB81419

150) AB81420

151) AB85135

152) AB8606

153) AB88884

154) A1281

155) A2694

156) A30137

157) A49012

158) BY162606

159) BY187255

160) BY187257

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

161) BY26106

162) BY50109

163) BY56575

164) C23743

165) C3409

166) D25262

167) D25263

168) D25264

169) D75616

170) F14138

171) F14881

172) F28787

173) F4929

174) F49698

175) G100255

176) G11957

177) G38537

178) G38538

179) G38539

180) H105096

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS

GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

181) H26093

182) H53464

183) H72738

184) H76161

185) H83091

186) J114985

187) J129213

188) J13733

189) J149312

190) J155210

191) J17565

192) J19141

193) J65021

194) J69462

195) J70028

196) K128402

197) K24851

198) K40366

199) K7279

200) K77466

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

201) K9694
202) L14799
203) L55433
204) L83740
205) L8567
206) L8569
207) M124427
208) M41404
209) M49390
210) M69294A
211) M70973
212) M77333
213) M83504
214) M95604
215) N114402
216) N58356
217) N75099
218) N92123
219) P100344
220) P103135

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

221) P120200

222) P123981

223) P1398

224) P25248

225) P36023

226) P82839

227) P8300

228) RD111167

229) RD115675

230) RD148570

231) RD148724

232) RD159114

233) RD190661

234) RD205564

235) RD2282

236) RD39801

237) RD39812

238) RD41265

239) RD46045

240) RD46046

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

241) R100738

242) R102566

243) R108679

244) R117442

245) R117443

246) R119865

247) R124822

248) R126263

249) R129948

250) R23546

251) R24425

252) R24426

253) R27202

254) R28234

255) R32815

256) R400739

257) R53976

258) R53977

259) R55913

260) R60645

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

261) R7481

262) R76807

263) R80589

264) R80590

265) R80591

266) R84332

267) R87888

268) R98239

269) S102219

270) S103809

271) S111866

272) S111978

273) S111979

274) S122795

275) S126761

276) S133454

277) S150691

278) S17774

279) S20853

280) S20857

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

281) S27208

282) S28324

283) S29530

284) S29687

285) S29959

286) S29960

287) S32355

288) S33041

289) S33845

290) S33846

291) S33847

292) S33848

293) S36628

294) S36843

295) S37160

296) S37916

297) S40147

298) S41331

299) S41333

300) S41336

DISCLOSURE SCHEDULE 14

MAINLAND GAS

GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

301) S41383

302) S42859

303) S44545

304) S48740

305) S49946

306) S55674

307) S58021

308) S59582

309) S62980

310) S64394

311) S64850

312) S64852

313) S67310

314) S68068

315) S68315

316) S68316

317) S69802

318) S69803

319) S69804

320) S69805

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

321) S71400

322) S77252

323) S789

324) S79615

325) S83780

326) S83781

327) S89275

328) S89445

329) S89446

330) S91732

331) S91735

332) S93599

333) S98091

334) S98677

335) T104598

336) T106959

337) T111613

338) T112481

339) T112482

340) T113618

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

341) T115466

342) T116367

343) T120161

344) T120726

345) T12819

346) T28796

347) T29849

348) T31740

349) T34600

350) T35668

351) T38176

352) T48794

353) T49308

354) T49309

355) T54637

356) T58038

357) T58040

358) T61843

359) T63796

360) T63798

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

361) T72383

362) T73779

363) T78796

364) T80385

365) T86928

366) T88195

367) T88877

368) T9229

369) T92923

370) T94793

371) T96314

372) U101221

373) U111852

374) U128699

375) U128700

376) U1529

377) U1648

378) U17888

379) U17889

380) U20993

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

381) U25543

382) U26553

383) U26554

384) U28196

385) U30105

386) U31365

387) U36712

388) U38148

389) U38551

390) U39309

391) U43852

392) U49994

393) U51129

394) U5633

395) U7993

396) U80084

397) W116216

398) W127443

399) W134171

400) W1465

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

401) W153394

402) W19962

403) W25782

404) W27503

405) W31192

406) W47920

407) W52446

408) W60004A

409) W68310

410) W76972

411) W78987

412) W81519

413) W9600

414) W98710

415) X104695

416) X106241

417) X124675

418) X130101

419) X133725

420) X160804

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

421) X17602

422) X19694

423) X25154

424) X41900

425) X43891

426) X54448

427) X56180

428) X57773

429) X59567

430) X60428

431) X64649

432) X70014

433) X84779

434) X89703

435) Y112239

436) Y140701

437) Y142413

438) Y148798

439) Y155886

440) Y155888

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

441) Y168901
442) Y173710
443) Y175725
444) Y179362
445) Y191821
446) Y34138
447) Y34139
448) Y37767
449) Y39167
450) Y42783
451) Y61548
452) Y75713
453) Y81434
454) Y81435
455) Y9716
456) Z102844
457) Z124961
458) Z129870
459) Z137399
460) Z138786

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

461) Z142018

462) Z160979

463) Z162746

464) Z17103

465) Z171321

466) Z173526

467) Z187559

468) Z189528

469) Z197576

470) Z19806

471) Z201366

472) Z202772

473) Z20589

474) Z212660

475) Z212661

476) Z218002

477) Z218003

478) Z226510

479) Z226511

480) Z227532

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

481) Z229613

482) Z230256

483) Z27977

484) Z3069

485) Z33957

486) Z37559

487) Z40205

488) Z4441

489) Z4944

490) Z5343

491) Z68844

492) Z75081

493) Z77748

494) Z88880

495) Z89291

496) Z92444

497) 199752C

498) 208906C

499) 219549C

500) 220458C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

501) 222586C

502) 222588C

503) 222589C

504) 222913C

505) 229142C

506) 229342C

507) 229540C

508) 230201C

509) 234773C

510) 260266C

511) 269138C

512) 277291C

513) 280895C

514) 286419C

515) 286568C

516) 292019C

517) 293404C

518) 296800C

519) 296956C

520) 297643C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

521) 297644C

522) 298696C

523) 299539C

524) 301072C

525) 301715C

526) 304246C

527) 305264C

528) 305281C

529) 307255C

530) 307539C

531) 308964C

532) 309949C

533) 310445C

534) 310446C

535) 310447C

536) 310448C

537) 310449C

538) 314318C

539) 314319C

540) 315274C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS

GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

541) 320287C

542) 327387C

543) 329319C

544) 333841C

545) 342531C

546) 342532C

547) 344749C

548) 348981C

549) 349814C

550) 350464C

551) 353043C

552) 353401C

553) 356537C

554) 364974C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

- 1) AA13678
- 2) AB6081
- 3) A57079
- 4) A5802
- 5) B27788
- 6) B48374
- 7) C59662
- 8) F11518
- 9) F25335
- 10) F28051
- 11) F44826
- 12) G25634
- 13) G49630
- 14) H11314
- 15) H123876
- 16) H31808
- 17) H71188
- 18) . . .
- 19) H99817
- 20) K34483

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS

GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

21) L38890

22) L55433

23) M119085

24) M81294

25) M81295

26) M87293

27) M87483

28) M87484

29) M93358

30) N124362

31) N13162

32) N21650

33) N22679

34) N27448

35) N47901

36) N59359

37) P110353

38) P110354

39) P115727

40) P123981

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

- 41) P125922
- 42) P125944
- 43) P58992
- 44) RD169118
- 45) R101006
- 46) R112797
- 47) R2101
- 48) R22375
- 49) R3491
- 50) R41975
- 51) R59630A
- 52) R75217
- 53) R9667
- 54) S112031
- 55) S117323
- 56) S122794
- 57) S124872
- 58) S126760
- 59) S126762
- 60) S126763

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

61) S133449

62) S133450

63) S134895

64) S134896

65) S142064

66) S147094

67) T13838

68) T13839

69) T18006

70) T18007

71) T18835

72) T21542

73) T21543

74) T24101

75) T24105

76) T24106

77) T25728

78) T28798

79) T29846

80) T29847

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

- 81) T29848
- 82) T31642
- 83) T31643
- 84) T34556
- 85) T34599
- 86) T38177
- 87) T38179
- 88) T38180
- 89) T41463
- 90) T41464
- 91) T4190
- 92) T44250
- 93) T49310
- 94) T53338
- 95) T59858
- 96) T64967
- 97) T64971
- 98) T64977
- 99) T64979
- 100) T65603

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

101) T70228

102) T7326

103) T7327

104) T78466

105) T89815

106) U129790

107) U129821

108) U67623

109) U89574

110) W120128

111) W133229

112) X22215

113) Y155885

114) Y160611

115) Y29487

116) Y58993

117) Z209302

118) Z209303

119) Z36310

120) 201225C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

121) 201226C
122) 201227C
123) 201228C
124) 201229C
125) 201230C
126) 201231C
127) 201232C
128) 201233C
129) 201234C
130) 201384C
131) 201385C
132) 201386C
133) 201388C
134) 201545C
135) 201547C
136) 201548C
137) 201549C
138) 201550C
139) 201778C
140) 201780C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

141) 201781C

142) 201783C

143) 201784C

144) 201785C

145) 201917C

146) 201918C

147) 201923C

148) 202081C

149) 202082C

150) 202083C

151) 202084C

152) 202086C

153) 202087C

154) 202088C

155) 202089C

156) 202090C

157) 202092C

158) 202093C

159) 202199C

160) 202200C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

161) 202201C

162) 202377C

163) 202378C

164) 202379C

165) 202380C

166) 202381C

167) 202382C

168) 202383C

169) 202650C

170) 202652C

171) 202653C

172) 202882C

173) 202883C

174) 202884C

175) 202885C

176) 202886C

177) 202887C

178) 202888C

179) 202889C

180) 202890C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

181) 202891C

182) 202892C

183) 202893C

184) 202894C

185) 203062C

186) 203063C

187) 203067C

188) 203413C

189) 203414C

190) 204119C

191) 204121C

192) 204122C

193) 204261C

194) 204262C

195) 204309C

196) 204310C

197) 204650C

198) 205224C

199) 205225C

200) 205343C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

- 201) 205344C
- 202) 205755C
- 203) 206101C
- 204) 206231C
- 205) 206232C
- 206) 206233C
- 207) 206234C
- 208) 206235C
- 209) 206544C
- 210) 206770C
- 211) 206771C
- 212) 206978C
- 213) 206979C
- 214) 206980C
- 215) 206981C
- 216) 206982C
- 217) 207215C
- 218) 207216C
- 219) 207217C
- 220) 207218C

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

221) 207219C

222) 207220C

223) 207221C

224) 207222C

225) 207223C

226) 207225C

227) 207226C

228) 207227C

229) 207228C

230) 207229C

231) 207230C

232) 207231C

233) 207232C

234) 207233C

235) 207234C

236) 207808C

237) 207809C

238) 207810C

239) 207813C

240) 207931C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

241) 207932C

242) 208174C

243) 208175C

244) 208176C

245) 208177C

246) 208180C

247) 208182C

248) 208269C

249) 208620C

250) 208621C

251) 208622C

252) 208623C

253) 208624C

254) 208625C

255) 208626C

256) 208627C

257) 208628C

258) 208629C

259) 208630C

260) 208743C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

261) 208766C

262) 208767C

263) 208957C

264) 209044C

265) 209045C

266) 209046C

267) 209047C

268) 209048C

269) 209049C

270) 209208C

271) 209408C

272) 209409C

273) 209410C

274) 209411C

275) 209412C

276) 209664C

277) 209666C

278) 209667C

279) 209668C

280) 209669C

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

281) 209946C

282) 209947C

283) 209948C

284) 209949C

285) 210122C

286) 210123C

287) 210125C

288) 210126C

289) 210127C

290) 210403C

291) 210404C

292) 210787C

293) 210788C

294) 210789C

295) 210790C

296) 210791C

297) 210792C

298) 210793C

299) 210794C

300) 210795C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

301) 210796C

302) 210797C

303) 210798C

304) 210799C

305) 210800C

306) 210801C

307) 210925C

308) 210927C

309) 210928C

310) 210929C

311) 210930C

312) 210931C

313) 210932C

314) 210934C

315) 210935C

316) 210936C

317) 210993C

318) 211014C

319) 211015C

320) 211016C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

321) 211017C

322) 211018C

323) 211019C

324) 211020C

325) 211084C

326) 211085C

327) 211170C

328) 211171C

329) 211172C

330) 211173C

331) 211174C

332) 211577C

333) 211578C

334) 211580C

335) 211684C

336) 211685C

337) 211691C

338) 211784C

339) 211785C

340) 211786C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS

GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

341) 212098C

342) 212099C

343) 212252C

344) 212253C

345) 212469C

346) 212470C

347) 212758C

348) 212897C

349) 212898C

350) 213000C

351) 213143C

352) 213492C

353) 213570C

354) 213571C

355) 213862C

356) 213864C

357) 213865C

358) 213885C

359) 213886C

360) 214049C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

361) 214381C

362) 214382C

363) 215262C

364) 215529C

365) 216547C

366) 216792C

367) 217510C

368) 217663C

369) 217891C

370) 218049C

371) 218218C

372) 218533C

373) 220063C

374) 222020C

375) 222022C

376) 222897C

377) 222898C

378) 222899C

379) 222900C

380) 222901C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

381) 222902C
382) 222903C
383) 222904C
384) 222905C
385) 222906C
386) 222907C
387) 222908C
388) 222909C
389) 222910C
390) 222911C
391) 222912C
392) 222913C
393) 222914C
394) 222915C
395) 222916C
396) 222917C
397) 223196C
398) 225262C
399) 225696C
400) 226306C

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

401) 226307C
402) 226433C
403) 227024C
404) 227025C
405) 227172C
406) 227354C
407) 227520C
408) 228722C
409) 229061C
410) 229340C
411) 229343C
412) 229747C
413) 229748C
414) 229833C
415) 230171C
416) 230172C
417) 230173C
418) 230174C
419) 230200C
420) 230451C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

421) 230575C

422) 231046C

423) 231218C

424) 231219C

425) 231806C

426) 231980C

427) 231982C

428) 231983C

429) 231984C

430) 231985C

431) 231986C

432) 232077C

433) 232078C

434) 232079C

435) 232080C

436) 232081C

437) 232082C

438) 232212C

439) 232213C

440) 232214C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

441) 232215C

442) 232216C

443) 232349C

444) 232350C

445) 232351C

446) 232352C

447) 232353C

448) 232354C

449) 232355C

450) 232356C

451) 232357C

452) 232358C

453) 232359C

454) 232360C

455) 232361C

456) 232508C

457) 232509C

458) 232511C

459) 232512C

460) 232513C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

461) 232514C
462) 232515C
463) 232516C
464) 232686C
465) 232687C
466) 232688C
467) 232689C
468) 232690C
469) 232780C
470) 232783C
471) 232784C
472) 233926C
473) 233927C
474) 233928C
475) 233929C
476) 233932C
477) 234098C
478) 234491C
479) 234492C
480) 234493C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

- 481) 234773C
- 482) 234774C
- 483) 234776C
- 484) 234934C
- 485) 235375C
- 486) 235468C
- 487) 236117C
- 488) 236234C
- 489) 236577C
- 490) 236813C
- 491) 236874C
- 492) 237100C
- 493) 237290C
- 494) 237305C
- 495) 237667C
- 496) 238637C
- 497) 238830C
- 498) 239270C
- 499) 240114C
- 500) 240115C

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

501) 240331C

502) 241027C

503) 241193C

504) 244642C

505) 247081C

506) 247604C

507) 249336C

508) 249971C

509) 249972C

510) 250688C

511) 250691C

512) 250892C

513) 251364C

514) 251538C

515) 251541C

516) 251982C

517) 252325C

518) 252326C

519) 252330C

520) 252570C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

521) 252653C

522) 253097C

523) 253098C

524) 253318C

525) 253405C

526) 253719C

527) 254295C

528) 254297C

529) 254298C

530) 254299C

531) 254300C

532) 254824C

533) 255316C

534) 256310C

535) 257695C

536) 257698C

537) 261045C

538) 263461C

539) 264889C

540) 264891C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14
MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

541) 264892C

542) 264898C

543) 266334C

544) 266335C

545) 266733C

546) 267022C

547) 267023C

548) 267024C

549) 267564C

550) 267976C

551) 268737C

552) 269144C

553) 270210C

554) 270212C

555) 270759C

556) 270760C

557) 270929C

558) 271574C

559) 271575C

560) 271576C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS

GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

561) 271980C

562) 271982C

563) 271983C

564) 271984C

565) 271994C

566) 272095C

567) 272287C

568) 272469C

569) 272470C

570) 272770C

571) 272868C

572) 273516C

573) 273517C

574) 273694C

575) 274450C

576) 274455C

577) 275067C

578) 275071C

579) 275072C

580) 275073C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

581) 275209C

582) 275417C

583) 275605C

584) 275607C

585) 275846C

586) 276261C

587) 277293C

588) 277295C

589) 277667C

590) 278800C

591) 278801C

592) 279055C

593) 279772C

594) 283132C

595) 283133C

596) 283158C

597) 283487C

598) 284070C

599) 284071C

600) 284072C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

601) 284365C

602) 285452C

603) 286419C

604) 286568C

605) 286569C

606) 287144C

607) 289014C

608) 289694C

609) 289695C

610) 289697C

611) 289700C

612) 290187C

613) 290438C

614) 292957C

615) 293868C

616) 296173C

617) 296405C

618) 296518C

619) 297160C

620) 298691C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

621) 298696C

622) 299037C

623) 299665C

624) 299902C

625) 300138C

626) 300139C

627) 300140C

628) 300552C

629) 300553C

630) 300727C

631) 300882C

632) 300883C

633) 301271C

634) 301272C

635) 301273C

636) 301274C

637) 301424C

638) 301716C

639) 301717C

640) 301945C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS

GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

641) 301948C

642) 301949C

643) 301950C

644) 301951C

645) 302465C

646) 302466C

647) 302467C

648) 302616C

649) 302618C

650) 302634C

651) 302707C

652) 302715C

653) 303120C

654) 303244C

655) 303302C

656) 303303C

657) 303304C

658) 303305C

659) 303684C

660) 304033C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

661) 304058C
662) 304246C
663) 304580C
664) 304581C
665) 305347C
666) 305860C
667) 305991C
668) 306178C
669) 306179C
670) 306196C
671) 306346C
672) 306347C
673) 306607C
674) 306610C
675) 307538C
676) 307541C
677) 307742C
678) 307743C
679) 307744C
680) 308374C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

681) 308963C

682) 309533C

683) 309534C

684) 309950C

685) 310174C

686) 310175C

687) 310817C

688) 310818C

689) 310819C

690) 310821C

691) 310954C

692) 311331C

693) 311332C

694) 311333C

695) 311334C

696) 311335C

697) 312061C

698) 312062C

699) 312063C

700) 312336C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

701) 312337C

702) 312801C

703) 313019C

704) 313206C

705) 313208C

706) 313364C

707) 313365C

708) 313441C

709) 313656C

710) 313882C

711) 313999C

712) 314199C

713) 314317C

714) 314469C

715) 314609C

716) 314930C

717) 314954C

718) 315072C

719) 315160C

720) 315275C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

721) 315490C

722) 315681C

723) 315682C

724) 315881C

725) 316292C

726) 316293C

727) 316891C

728) 316892C

729) 317038C

730) 317039C

731) 317575C

732) 317723C

733) 317994C

734) 318223C

735) 318964C

736) 318965C

737) 320892C

738) 323476C

739) 324012C

740) 324015C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

741) 324487C
742) 325489C
743) 330206C
744) 330634C
745) 339219C
746) 339721C
747) 340259C
748) 340745C
749) 344751C
750) 345104C
751) 345745C
752) 345746C
753) 345748C
754) 345850C
755) 345858C
756) 347024C
757) 349284C
758) 349309C
759) 349736C
760) 349997C

DISCLOSURE SCHEDULE 14

DISCLOSURE SCHEDULE 14

MAINLAND GAS
GAS RIGHT OF WAY

NEW WESTMINSTER LAND TITLE OFFICE

CHARGE NUMBERS

761) 350315C

762) 351676C

763) 354430C

764) 360162C

765) 361107C

766) 363796C

767) 366303C

And as described in Part ~~K~~ of Disclosure Schedule 8
DISCLOSURE SCHEDULE 14

AMENDED

DISCLOSURE SCHEDULE 15
[Mainland Gas]

GOVERNMENT LICENCES AND PERMITS

Public Utilities Commission

Certificates of necessity to construct and operate a natural gas system in:

<u>Date</u>	<u>Area</u>
July 29, 1955	(a) The Greater Vancouver area. (i.e. Vancouver, City and District of North Vancouver, Burnaby, New Westminster, Richmond, Fraser Mills, Annacis Island, University Endowment Lands). (b) Laying trunk gas pipe through Sumas, Matsqui, Langley, Surrey from Huntingdon to Vancouver City gate. (c) Construct distribution facilities in Greater Vancouver area. (d) Construct LPG peak shaving facilities.
December 13, 1955	(a) The Fraser Valley area (i.e. Hope, Harrison Hot Springs, Kent, Chilliwack, Mission City, Mission, Maple Ridge, Pitt Meadows, Surrey, Langley, Abbotsford, Matsqui, Sumas).
February 20, 1957	District of West Vancouver
May 27, 1957	Municipality of Delta (other than Annacis Island)
February 11, 1958	24" Mains trunk from Huntingdon to Port Mann 20" Mains trunk from Port Mann to Burrard Thermal (IOCO).
January 13, 1959	Additional 20" Ø mains trunks in Delta, Surrey and Mainland
April 15, 1981	Construction of the 12.8 kilometre Roebuck/Tilbury Loop

B. C. HYDRO & POWER AUTHORITY

MAINLAND GAS SERVICE

GOVERNMENT LICENSES & PERMITS

British Columbia Utilities Commission

<u>Date</u>	<u>Subject of Order</u>
May 1, 1981	Flow through increase in cost of gas due to the Federal Government's Canadian Ownership Charge.
June 30, 1981	Flow through 14¢/gigagoule cost increase due to Federal Government's excise tax change.
August 4, 1981	Flow through 72.8¢/mcf wholesale cost increase.
February 10, 1983	Flow through 18.0¢/gigagoule reduction in Federal excise tax effective February 1, 1983.
February 28, 1983	New tariff rate for Mainland Gas Service incorporating a 3/2% rate increase.
June 8, 1983	Clarifying the requirements for security deposits.
August 5, 1983	Flow through 60¢/mcf increase in wholesale cost of natural gas.
July 20, 1984	Flow through 9¢/mcf increase in wholesale cost of natural gas.
May 30, 1985	Flow through 14.0¢/gigagoule decrease in Canadian Ownership Special Charge. Various rate increases and decreases.
July 25, 1986	Order requiring B. C. Hydro to acquire the natural gas distribution systems in the Breakaway Bays and Crispen Bays Mobile Home Parks for \$100 and to provide service.
November 25, 1986	Interim increase of 14¢/gigagoule for natural gas. Interim increase of 42¢/gigagoule for NGV gas.

<u>Date</u>	<u>Subject of Order</u>
January 15, 1987	Flow through Westcoast Transmission's January 1, 1987 interim increase in tolls.
March 18, 1987	Extend from March 31, 1987 to June 30, 1987 the date for formal application to support the 14¢/gigajoule interim increase.
April 24, 1987	Denied B. C. Hydro's application to establish a Gas Rate Stability Deferral Account. Flow through reduction in Westcoast Transmission's demand charges.
November 1987	Interim increase of 25 Nov 1986 for NGV gas changed to 37¢/gigajoule.
December 21, 1987	Amended tariffs for Canada Cement Lafarge Ltd. and with Tilbury Cement Ltd.
January 1988	Interim increase of November 1987 for NGV gas changed to 20¢/gigajoule.
January 14, 1988	Deals with Westcoast Transmission's tolls.
January 18, 1988	Extends date for hearing on the November 1986 14¢/gigajoule interim increase until July 1, 1988.
March 8, 1988	Tariff amendment and refund to Chatterton Steel.
April 7, 1988	Approval of transportation service rate to B. C. Sugar.
April 14, 1988	Approval of transportation service rate to Shell Canada.
April 14, 1988	Approval of transportation service rate to Chatterton Petrochemical.
April 29, 1988	Flow through \$4 million refund from Westcoast Transmission.

<u>Order Date</u>	<u>Order No.</u>	<u>Particulars</u>
August 5, 1981	G-63-81	Tariff rate schedule approved (interim) subject to public hearing confirmation
December 9, 1981	G-93-81	Corporate rate base and rate of return
January 29, 1982	G-10-82	Flow through of increase in wholesale cost of gas (7.0¢/mcf) and increase of 21¢/gigajoule in federal excise tax
January 21, 1983	G-2-83	Amendments to filed tariff (CNG classification)
June 2, 1983	G-39-83	New tariff providing for returned cheque charge
September 16, 1983	G-71-83	Amendments to filed tariff substituting "gigajoules" for "billing unit"
October 4, 1984	G-58-84	Amendments to Terms and Conditions of Gas Tariff by substituting "gigajoule" for "billing units" and consequential amendments to Gas Tariff Index
October 4, 1984	G-59-84	Amendments to Terms and Conditions of Gas Tariff to comply with <u>Canada Interest Act</u>
July 31, 1985	G-67-85	Flow through of Westcoast Energy demand toll increase
October 21, 1985	G-84-85	Amendments to Gas Tariff in respect of sale of gas for road transportation use
February 6, 1986	G-6-86	Various amendments to Gas Rate Schedules

<u>Order Date</u>	<u>Order No.</u>	<u>Particulars</u>
August 27, 1986	G-55-86	Approval of Hydro and Canada Cement Lafarge seasonal interruptible gas transportation agreements
October 10, 1986	G-64-86	Amendments to Terms and Conditions of Gas Tariff clarifying "billing" and "late payment charges"
February 4, 1987	G-7-87	Amendments to Terms and Conditions of General Tariff clarifying "availability section" applicable to industry operations
April 24, 1987	G-19-87	Amendment to special conditions of Gas Tariff Schedule 2501 authorizing Hydro to conditionally waive alternative fuel burning installation requirement by interruptible gas customers
August 4, 1987	G-45-87	Rejection of interruptible gas sales agreements between Hydro and each of Canada Cement Lafarge Ltd. and Tilbury Cement Ltd.
September 25, 1987	G-58-87	Date extended for hearing of November 1986 14¢ gigajoule interim increase until January 15, 1988
December 2, 1987	G-77-87	Approval of amendments to Gas Tariff Rate Schedules due to increase in wholesale cost of gas
January 13, 1988	G-6-88	Inquiry ordered into Chatterton complaint
February 11, 1988	G-13-88	Approval of amendments to Terms and Conditions of Gas Tariff relating to "application for service"
April 21, 1988	G-44-88	Approval of amendments to Schedule 2502 - Interruptible Service

<u>Order Date</u>	<u>Order No.</u>	<u>Particulars</u>
July 7, 1988	G-66-88	Date extended for hearing of November 1986 14¢/gigajoule interim increase until December 30, 1988
July 15, 1988	G-69-88	Confirming 14¢/gigajoule increase

Westcoast Transmission Co. Ltd. Pipeline Crossing

C.P.B. ORDER	W.T.C. MAIN	P.C.E. MAIN	MAP OR DRAWING
BTC. 92691	30"	4"	PV 603 PV 205
NEB GP. 28-50 NEB RO-GP.-1-61'	30"	2"	1184 PV 761
BTC. BO. 97370	30"	2"	1099 PV 600
BTC. BO. 93581	30"	4"	1097 PV 377
BTC. BO. 93581	30"	4"	1097 PV 377
NEB GP. - 31 - 50	30"	2"	1042 PV 775
BTC. BO. 93224	30"	6"	1042 PV 275
NEB. GP. 34-61	30"	2"	1042
BTC. BO. 93224	30"	4"	1042 PV 275
B.T. 90790	30"	6"	964 PV 21
P. 90791	30"	6"	964 PV 20
GP 24-51	30"	1"	FVM 271-B1 1184
GP 42-54	30"	2"	1027 FVM 875-52
GP 42-54	30"	4"	FVM 994 1059
GP 32-55	30"	2"	FVM 1022
GP 2-56	30"	4"	1027 FVM 1053
GP-31-56	30"	2"	1014 FVM 1054
GP-32-56	30"	2"	1014 FVM 1025
GP-237-57	30"	2"	1025 FVM 1212
GP 201-73	30" & 36"	4"	B 1553
	30" & 36"	2"	B 1557
47-71	30" & 36"	1 1/4"	B1437

Westcoast Transmission Co. Ltd. Pipeline Crossing

	W.T.C.	B.C.P.	MAP OR
	MAIN	MAIN	DRAWING
B. DEDEE			
GP	30" & 36"	6"	B 1569
GP 170-74	30" & 36"	3/4" SERV	(WESTCOAST TRANS. DEC.)
GP-131-80 FILE 1575-W5-1512	30" & 36"	1 1/4" PE	A0-2402
GP-96-86 1575-W5-1564 8-1	30"	1 1/4" PE	A3-2452
	30" & 36"	2" PE	A3-2498
		50.8MM	
GP-136-75 FILE 1575-W5-742	30"	1 1/4"	B 1565 6255-C 1092
GP-31-76 1575-W5-772	30"	2"	B 1553 6176-C
GP-117-77 1575-W5-863	30" & 36"	1 1/4" DIA	D1717
GP-45-79 1575-W5-1000	30" & 36"	3/4"	A1-200" G00 7631-C
	30"	2"	A3-2111 G00 9200-C 925.022.023
CANCELLED 9-3	762MM	1 1/4" PE	A3-2223 1603
	30" 762MM	1 1/4" PE	A3-2401 1061-E-5
	30"	2" PE	
	30" & 36"	1 1/4" PE	

Chevron Canada Ltd. Pipeline Crossing

DRAWING NUMBER	DATE OF AGREEMENT	PERMIT OF CCB
GK 3058	24 OCT 1967	0410
	14 OCT 1969	0411
GK 4165	22 SEPT 1969	
GK 4260	07 MAY 1970	0659
GK 4249	07 MAY 1970	0657
GK 4280	15 OCT 1970	0710
GK 4300	08 FEB 1971	0721
GK 4352	16 AUG 1971	0870
GK 4364	09 JULY 1971	0896
GA 4417	14 JULY 1972	1046
GA 4450	01 AUG 1972	1062
GA 4457	01 DEC 1972	1103
GA 4447	01 DEC 1972	1103
GA 4699	05 SEPT 1973	1230
GA 4701	05 SEPT 1973	1236
GA 4686	26 OCT 1973	1251
GA 4705	21 NOV 1973	1261
GA 4761	11 OCT 1974	1317
GA 4768	11 OCT 1974	1357
GA 4779	30 OCT 1974	1413

Chevron Canada Ltd. Pipeline Crossing

DRAWING NUMBER	DATE OF AGREEMENT	REF-11 OR 111
GA 4870	06 JAN 1976	1610
GA 4877	10 FEB 1976	1641
GA 4903	14 APR 1976	1724
GA 4935	14 MAY 1976	1749
GA 4971	10 SEPT 1976	1801
GA 4972	10 SEPT 1976	1801
GA 5054	30 NOV 1977	1811
GA 5173	11 JAN 1979	
PL 2796	24 AUG 1979	PC 532
GA 5111	04 SEPT 1979	PC 533
GA 5117	14 SEPT 1979	PC 556
GA 5173	05 NOV 1979	PC 591
GA 5185	21 FEB 1980	
GA 5220	09 JUNE 1980	PC 825
GA 5216	09 JULY 1980	PC 839
GA 5212	04 JULY 1980	PC 851
GA 5202	10 FEB 1981	PC 878
GA 5283	02 JAN 1981	PC 1229
GA 5299	11 MAR 1981	PC 891
GA 5307	18 MAR 1981	PC 897
GA 5303	17 MAR 1981	PC 196

Chevron Canada Ltd. Pipeline Crossing

DRAWING
NUMBER DATE OF
 AGREEMENT

PERMIT
OF CROSSING

GA 5352 15 OCT 1981

PC 1-55

GA 5445 14 DEC 1982

PC 1672

GA 5390 02 JULY 1982

PC 1785

GA 5505

PC 21-6

GA 5450 24 JAN 1983

PC 2174

GA 5477 10 MAY 1983

PC 2218

GA 5491 13 JUNE 1983

PC 2238

GA 5492 13 JUNE 1983

PC 2225

GA 5575 05 DEC 1984

PC 2715

GA 5611 08 AUG 1985

PC 2827

GA 5650 30 JULY 1986

PC 3109

GA 5670 07 JAN 1987

PC 309-

GA 5671 12 FEB 1987

PC 3307

GA 5689 14 MAY 1987

PC 3332

Imperial Oil Pipeline Crossing

DRAWING DATE OF
NUMBER AGREEMENT

DEPT
OF CER

GK 4372 18 AUG 1971

GA 4734 05 JULY 1974

GA 5253 26 NOV 1980

PC 581

GA 5282 23 DEC 1980

PC 1185

GE 5272 23 DEC 1980

PC 1184

GD 5344 05 NOV 1981

PC 1187

GA 5517 29 SEPT 1983

PC 2001

GA 5684

Shell Canada Ltd. Oil Pipeline Crossing

DRAWING NUMBER	DATE OF AGREEMENT
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DETAIL OF 15

GK 4278	03 SEPT 1970
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0171

GK 2789	15 JUNE 1966
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GK 2804	07 JULY 1966
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GK 2809	15 AUG 1966
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GK 2820	15 AUG 1966
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GK 2820	16 AUG 1966
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GK 2828	14 NOV 1966
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GK 2890	05 JAN 1967
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GK 3053	11 DEC 1967
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0405

GK 4008	08 APR 1968
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0446

GK 4008	08 JULY 1968
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0461

GK 4078	30 OCT 1969
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0602

GK 4308	19 AUG 1971
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0870

GK 4306	27 SEPT 1971
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0905

GK 4391	15 NOV 1971
---------	-------------

0935

GA 4403	25 JAN 1972
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0961

GA 4407	03 MAR 1972
---------	-------------

0971

GA 4408	03 MAR 1972
---------	-------------

0971

GA 4819	28 MAY 1975
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1525

Shell Canada Ltd. Oil Pipeline Crossing

DRAWING DATE OF
NUMBER AGREEMENT

22-11-77
09-11-77

GA 4866 12 JAN 1976

21-11

GA 4960 09 JULY 1976

19-07

GA 5004 28 MAR 1977

20-03

GA 5003 28 MAR 1977

20-03

GA 5011 21 APR 1977

21-04

GA 5033 24 AUG 1977

22-08

GA 5037 17 JAN 1978

23-01

GA 5103 26 JULY 1978

25-07

GA 5126 21 NOV 1978

PC 14:

GA 5127 23 OCT 1978

PC 16:

GA 5127 30 MAR 1979

PC 35:

GA 5140 23 JULY 1979

PC 48:

GA 5164 23 OCT 1979

PC 57:

GA 5165 23 OCT 1979

PC 57:

GA 5172 06 NOV 1979

PC 59:

GA 5193 15 FEB 1980

PC 69:

GA 5347 02 OCT 1981

PC 116:

GA 5520

PC 165:

GA 5387

PC 177:

GB 5411 17 AUG 1982

PC 211:

GA 5347 03 NOV 1982

PC 215:

GA 5555 30 JULY 1984

PC 234:

GA 5556 30 JULY 1984

PC 234:

GCO 9196B

GA 5428

Shell Canada Ltd. Oil Pipeline Crossing

DRAWING
NUMBER

DATE OF
AGREEMENT

REF-17
OF 11

GA 5572 21 NOV 1984

PC 2304

GA 5591 20 FEB 1985

PC 2463

GA 5596 18 MAR 1985

PC 2474

GA 5602 11 APR 1985

PC 2489

GA 5626 04 NOV 1985

PC 2871

GA 5684 05 MAY 1985

PC 3144

GA 5672 14 JAN 1987

PC 3098

GA 5643 24 APR 1986

PC 3013

GA 5663 22 DEC 1986

PC 3134

GA 5644 22 APR 1986

PC 3012

GA 5696 10 AUG 1987

PC 3358

GA 5702 03 NOV 1987

PC 3401

Gulf Oil Canada Ltd. Pipeline Crossing

GCO NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AGREEMENT COVERS
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Page 1
of 1

GIO 24325	GK 4152	14 JULY 1969	1-1/4" HP SERVICE CROSSING TO SERVE DAWSON HOUSING DEVELOPEMENT, PORT MOODY. NO GOVERNMENT APPROVAL OBTAINED.
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Trans Mountain Enterprises of B.C. Ltd. Jet Fuel Line Crossing

DRAWING NUMBER	DATE OF AGREEMENT	PERMIT OR CEEET.
GA 5316 CK 4324		PC 1413
		PC 695
GY 351	12 FEB 1958	
GA 4694	17 AUG 1973	
EX 676	15 MAY 1969	
DX 674	15 MAY 1969	
CK 4164	11 SEPT 1969	590
CK 4251	18 JUNE 1970	671
CK 4267	24 JUNE 1970	677
CK 4252	05 AUG 1970	695
CK 4294	21 DEC 1970	759
CK 4365	27 SEPT 1971	897
CK4345	27 SEPT 1971	895
CK 4359	02 DEC 1971	952
GA 4399	25 JAN 1972	959
CK 4395	28 MAR 1972	994
GA 4417	15 APR 1972	1005
GA 4413	15 APR 1972	1005
GA 4446	11 JULY 1972	1055

Trans Mountain Enterprises of B.C. Ltd. Jet Fuel Line Crossing

DRAWING NUMBER	DATE OF AGREEMENT	PERMIT OR CERT.
GA 4445	02 NOV 1972	1091
GA 4456	01 DEC 1972	1101
GA 4471	01 FEB 1973	1127
GA 4451	21 FEB 1973	1156
GA 4650	06 JUNE 1973	1193
GA 4679	22 JUNE 1973	1205
GA 4657	26 JUNE 1973	1219
GA 4694	17 AUG 1973	1225
GA 4720	12 FEB 1974	1305
GA 4716	19 FEB 1974	1311
GA 4769	25 OCT 1974	1379
GA 4767	25 OCT 1974	1381
GA 4843	17 SEPT 1975	1552
GA 4560	16 OCT 1975	1595
GA 4507	05 JAN 1976	1607
GA 4596	14 APR 1976	1717
GA 4941	09 JULY 1976	1502
GA 4942	09 JULY 1976	1502
GA 4949	09 JULY 1976	1510
GB 8199	20 DEC 1976	1975
GA 5009	16 MAY 1977	2112
GA 5010	16 MAY 1977	2113

ans Mountain Enterprises of B.C. Ltd. Jet Fuel Line Crossing

DRAWING NUMBER	DATE OF AGREEMENT	PERMIT OR CERT.
GA 5078	23 MAY 1978	2455
GA 5055	30 JUNE 1978	2455
GA 5104	13 SEPT 1978	2612
GA 5115	21 JAN 1979	PC 103
GA 5118	17 OCT 1978	PC 122
GA 5154	04 JUNE 1979	PC 425
GA 5039	19 SEPT 1979	PC 543
GA 5175	06 NOV 1979	PC 594
GA 5178	03 JAN 1980	-
GA 5185	05 FEB 1980	PC 653
GA 5191	01 FEB 1980	PC 654
GA 5190	15 FEB 1980	PC 691
GA 5191	29 JAN 1980	
GA 5157	15 FEB 1980	PC 692
GA 5194	15 FEB 1980	PC 693
GA 5206	27 MAY 1980	PC 800
GA 5217	04 JULY 1980	PC 832
GA 5211	04 JULY 1980	PC 822
CP3-2079	05 JULY 1980	PC 836
GA 5291	26 JAN 1981	PC 875
GA 5294	10 FEB 1981	PC853
GA 5277		PC 915

Trans Mountain Enterprises of B.C. Ltd. Jet Fuel Line Crossing

DRAWING NUMBER	DATE OF AGREEMENT	PERMIT OR CERT.
GA 5243	26 NOV 1950	PC 994
GA 5235	26 NOV 1950	PC 995
GA 5248	20 NOV 1950	PC 1017
GA 5165	20 NOV 1950	PC 1016
GA 5275	05 DEC 1950	PC 1019
GA 5315	21 MAY 1951	PC 1127
GA 5329	10 JULY 1951	PC 1149
GA 5316	13 JULY 1951	PC 1150
GD 5342	14 OCT 1951	PC 1174
GD 5343	14 OCT 1951	PC 1175
GA 5264	11 DEC 1950	PC 1227
GA 5354	31 MAR 1952	PC 1651
GA 5395	19 JULY 1952	PC 1752
GA 5275	21 JAN 1951	PC 1207
GA 5250	12 DEC 1950	PC 1209
GA 5302	23 APR 1951	PC 1404
GA 5375	11 MAR 1952	PC 1624
GA 5375	23 MAR 1952	PC 1640
GA 5453	05 FEB 1952	PC 1674
GA 5412	13 AUG 1952	PC 2109
GA 5395	19 AUG 1952	PC 2117
GA 5414	19 AUG 1952	PC 2115
GA 5419	04 OCT 1952	PC 1666
GA 5461	07 MAR 1953	PC 2190
GA 5493	30 JUNE 1953	PC 2239
GA 5532	30 APR 1954	PC 2323

Trans Mountain Enterprises of E.C. Ltd. Jet Fuel Line Crossing

DRAWING NUMBER	DATE OF AGREEMENT	PERMIT OR CERT.
GA 5553	13 JUNE 1984	PC 2334
GA 5577	25 NOV 1984	PC 2397
GA 5542		PC 2432
GA 5546		PC 2439
GA 5545		PC 2441
GA 5547		PC 2442
GA 5545		PC 2444
GA 5583	15 JAN 1985	PC 2457
GA 5590	20 FEB 1984	PC 2460
GA 5585	20 FEB 1985	PC 2461
GA 5595	15 MAR 1985	PC 2472
GA 5597	22 MAR 1985	PC 2476
GA 5551	13 DEC 1984	PC 2704
GA 5575	13 DEC 1984	PC 2705
GA 5593	13 MAR 1985	PC 2720
GA 5594	15 MAR 1985	PC 2729
GA 5617	16 AUG 1985	PC 2701
GA 5606	14 JUNE 1985	PC 2909
GA 5614	01 NOV 1985	PC 2969
GA 5655	19 SEPT 1986	PC 3056
GA 5654	26 AUG 1986	PC 3122
GA 5667	05 JAN 1987	PC 3090
GA 5665	05 JAN 1987	PC 3091
GA 5656	29 APR 1987	PC 3142
GA 5657	29 APR 1987	PC 3143
GA 5695	11 MAY 1987	PC 3147

Trans Mountain Enterprises of B.C. Ltd. Jet Fuel Line Crossing

DRAWING NUMBER	DATE OF AGREEMENT	PERMIT OR CLET.
GA 5694	13 JULY 1987	PC 3345
GA 5695	19 OCT 1987	PC 3394

20 inch and 24 inch main TFO35
at 3099 - No. 7 Road
Richmond, B.C.

Ans Mountain Pipeline Co. Ltd. Pipeline Crossing

[illegible]

Trans Mountain Pipeline Co. Ltd. Pipeline Crossing

W.E.B. ORDER	OIL MAIN	GAS MAIN	MAP OR DRAWING	P.M.E. G.C.O.
BTC. BO. 97222	24"	6"	1041-B-1 FV 586	7807A
WEB. OP-25-61	24"	2"	1025 FV 813	747
BTC. 93290 WEB	24"	2"	1012-B-5 FV 323	
OP-176-66				
BTC. BO. 93290	24"	2"	1012 FV 323	
BTC. BO. 93290	24"	2"	1012 FV 323	
	24"	6"	964 FV 19 B1	
	24"	20"	950 M-43822	
	24"	36"	950 M-55163	
		42"	Cedarvale Farms, Wharton Road Abbotsford	
	24"	6"	910 P-45422	
	24"	12"	783 M-4344	
BTC. BC. 94511	24"	6" & 4"	439 FV 455	3395A
BTC. BC. 93779	24"	3"	425 FV 383	3106A
C. BO. 92188	24"	2"	425 FV 154	
INDEXED NOW				
WEB OP 80-80				
OP-46-62	24"	2"	1025 FVM 874-B1	1295
1775-T4-136	24"	3"	1025 FVM 936	1919
OP-180-63	24"	2"	1012 FVM 941	2321 1954
1775-T4-223	24"	1 1/4"	1012 FVM 942	2321 1954
OP-176-63	24"	4"	500/513 FVM 946	2038
1775-T4-224				
OP-175-63	24"	2" REMOV	FVM 947	2038
1775-T4-222				
OP-177-63	24"	6"	FVM 947	5700-C
1775-T4-233	24"	2"	1012 FVM 948	241-C
BO-OP-178-63				
1775-T4-234	24"	4"	455 FVM 956	2090
OP-284-74				
OP-103-66				
1775-T4-451				
OP-197-63				
AO-1-OP-197-63				
1775-T4-239	24"	1 1/4" B	FVM 975	2130
BO-OP-16-64				
1775-T4-248	24"	4"	FVM 975	5700-C
OP-283-74	24"	2"	455 FVM 983	2199
OP-69-64				
1775-T4-270	24"	1 1/4"	1012 FVM 996	2321
-121-64				
1775-T4-282				

Trans Mountain Pipeline Co. Ltd. Pipeline Crossing

N.B.B. ORDER

	OIL MAIN	GAS MAIN	MAP OR DRAWING
OP-244-64	24"	4 1/2"	875 FVM 1008
1775-T4-309 7-1			
OP-60-65	24"	1/2"	410 FVM 1027
1775-T4-341			
OP-154-65	24"	3"	842/877 FVM 1038
1775-T4-364			
OP-153-65	24"	2"	1654 FVM 1041-B1
1775-T4-363 7-2			
OP-2-66	24"	1 1/4"	410 FVM 1042
1775-T4-394			
OP-193-65	24"	2"	754 FVM 1045
AO-1-OP-193-65			
1775-T4-399			
OP-262-65	24"	2"	471 FVM 1061
1775-T4-431			
OP-261-65	24"	2"	471 FVM 1062
1775-T4-430			
OP-81-66	24"	2"	725 FVM 1100
1775-T4-448			
2-235-66	24"	2"	409 FVM 1127
5-T4-99 7-3			
142-66	24"	2"	754 FVM 1114
1775-T4-475			
AO-1-OP-127-64	24"	2"	910/912 FVM 997
1775-T4-284 7-4			
OP-55-68	24"	4"	894 FVM 1223
1775-T4-599			
OP-30-69	24"	2"	439 FVM 1290
1775-T4-716			
OP-172-69	24"	2"	486 FVM 1322
1775-T4-759			
OP-34-69	24"	2-3/4" B	439 FVM 1291
1775-T4-717			
OP-204-73	24"	1 1/4"	486 B 1534
1775-T4-1277			
OP-393-73	24"	3/4"	725 B 1545
1775-T4-1302			
OP-118-74	24"	1 1/4"	486 B 1552 B1
1775-T4-1422			
OP-329-73	24"	2T (275)	830-A-6 B 1554
1775-T4-1318			
OP-246-68	24"	2"	1059 FVM 1265
1775-T4-686			
OP-289-68	24"	2"	1665 FVM 1276
75-T4-703			
-1-OP-110-69	24"	2"	875 FVM 1315
1775-T4-752			

Trans Mountain Pipeline Co. Ltd. Pipeline Crossing

N.E.B. ORDER	OIL MAIN	GAS MAIN	MAP OR DRAWING
OP-127-71	24"	1 1/4"	486 B 1422
1775-T4-931			
OP-6-72	24"	1 1/4"	875 B 1462
1775-T4-1069			
AO-1-OP-65-72	24"	1/2"	471 B 1463
1775-T4-1095			
OP-294-72	24"	2"	754 B 1567
1775-T4-1301			
BO-OP-395-67	24"	2"	1025 FVM 1224
OP-396-74			
1775-T4-1476			
OP-139-74	24"	3 1/4"	410 B 1570
1775-T4-1424			
OP-416-75	24"	1/2"	455 B 1622
1775-T4-1708			
OP-186-76	24"	6(275)	916-B1557
1775-T4-1802			
OP-504-76	24"	4"	B 1666 6241-C
1775-T4-1880			
BE-77	24"	2"	B 1709 GCO
T4-1902			6991-C 920-E-6
U-3-81	24"	2"	A32100 8865-C
AO-1-OP-5-81			
1775-T4-2411			
OP-346-77	24"	1 1/4"	B-1727 GCO
G1775-T4-1967			7221-C
OP-179-78	24"	2"	B-1757 GCO
			7461-C
OP-122-79	24"	.75"	A1-2007 GCO
1775-T4-2120			7831-C
	24"	.75"	B1812
OP-317-80	24"	4"	B1812 GCO
1775-T4-2355			8374-C
OP-413-80	24"	2"	B 1833(R2) GCO
1775-T4-2374			8683-C
OP-502-80	24"	4"	A1 2083 GCO
1775-T4-2384			8597-C
REPLACES			
CROSSING FV 206			
BTC 82751			
OP-426-80	24"	1/2"	A32092
1775-T4-2386			
OP-455-80	24"	2"	A32089 GCO
1775-T4-2385			8839-C
183-81	24"	2"	A32125 GCO
T4-2466			9224-C
299-81	24"	1 1/4"	A32144 9603-C
1775-T4-2496			

Trans Mountain Pipeline Co. Ltd. Pipeline Crossing

N.E.B. ORDER

	OIL MAIN	GAS MAIN	MAP OR DRAWING
OP-324-81		2"	A32147 9260-C
OP-383-81	24"	4"	A1-2083(R1)8597 C(R4) CR902.9.4
OP-324-81		50MM	964-B/D A32147
OP-65-82		31.8MM	1632/1633 A3-2203
GP-146-82	762MM	50.8MM	1633 A3-2223
1575-WF1292 GCO			
9984-C			
OP-234-82	610MM	50.8MM	966-B A3-2189
1775-T4-2614			
OP-235-82	610MM	50.8MM	966-B A3-2189
1775-T4-261E			
OP-122-83	610MM	50.8MM	A3-2308 A3-2309
1775-T4-2724			
GCO 94-D			
3/4" -	24"	2" A3/4"	455 B 1571
AO-1-OP-355 2"			
- AO-1-OP-138-			
140-74	24"	2"	1040 B 1572
75-T4-142			
1-OP-351-74	24"	3"	920-A-4 B 1587
OP-324-81		50MM	964-B-D A3-2147
OP-65-82		31.8MM	1632/1633 A3-2203 A3-2223
GP-146-82	610MM	50.8MM	
1775-T4-2724			
OP-122-83	610MM	50.8MM	A1-2344
OP-94-84			
1775-T4-2813	24" 610MM	4"	A3-2256
OP-270-82			
1775-T4-2624	24"	2" PE	A3-2404
OP-211-85			
1775-T4-2929	24"	2" PE	A3-2405
OP-235-85			
1775-T4-2930	24"	1 1/4" PE	A3-2406
OP-234-85			
1775-T4-2931	24"	3" PE	A3-2407
OP-232-85			
1775-T4-2932	24"	1 1/4" PE	A3-2408
OP-235-85			
1775-T4-2932			

12 inch and 30 inch mains L F031

22368 Rawlison Crescent,

Langley, B.C.

30 inch main F0115

9031-192nd Street

Surveys, B.C.

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Disclosure Schedule #15

National Energy Board/Trans Mountain Agreements

NUMBER	DATE OF AGREEMENT
114-60	
186-63	
192-63	
3-64	
9-64	
22-64	
69-64	
150-64	
241-64	14 APR 1965
13-66	03 FEB 1966
26-66	24 FEB 1966
52-66	24 MAR 1966
61-66	14 APR 1966
62-66	14 APR 1966
64-66	21 APR 1966
1-66	09 JUNE 1966
133-66	30 JUNE 1966
151-66	25 AUG 1966
247-66	03 NOV 1966
115-67	24 FEB 1967
166-67	19 MAY 1967
357-67	02 NOV 1967
396-67	05 DEC 1967
111-65	23 MAY 1965
229-65	26 SEPT 1965
236-65	03 OCT 1965
240-65	03 OCT 1965
272-65	07 NOV 1965
297-65	12 DEC 1965
1-69	30 APR 1969

National Energy Board/Trans Mountain Agreements

NUMBER	DATE OF AGREEMENT
101-69	18 JUNY 1969
129-69	24 JULY 1969
160-69	18 SEPT 1969
183-69	02 OCT 1969
192-69	09 OCT 1969
251-69	04 DEC 1969
16-70	12 JAN 1970
43-70	12 MAR 1970
94-70	01 MAY 1970
214-70	20 AUG 1970
306-70	10 DEC 1970
20-71	12 FEB 1971
71	11 MAR 1971
71	14 MAY 1971
95-71	03 JUNE 1971
147-71	05 JULY 1971
225-71	26 AUG 1971
289-71	25 SEPT 1971
333-71	09 DEC 1971
174-72	22 JUNE 1972
332-72	17 OCT 1972
236-73	05 JULY 1973
259-73	12 JULY 1973
302-73	05 OCT 1973
496-73	06 DEC 1973
47-75	20 FEB 1975
16-75	10 JULY 1975

National Energy Board/Trans Mountain Agreements

NUMBER	DATE OF AGREEMENT
337-75	18 SEPT 1975
338-75	18 SEPT 1975
339-75	18 SEPT 1975
340-75	18 SEPT 1975
341-75	18 SEPT 1975
365-75	18 SEPT 1975
476-75	06 NOV 1975
7-76	08 JAN 1976
413-76	14 OCT 1976
17-77	13 JAN 1977
65-77	02 MAR 1977
259-77	19 JULY 1977
73-75	15 MAR 1975
167-75	27 APR 1975
75-75	01 AUG 1975
79	29 MAR 1979
59-79	29 MAR 1979
60-79	29 MAR 1979
61-79	29 MAR 1979
62-79	29 MAR 1979
229-79	23 MAY 1979
454-79	14 NOV 1979
24-50	29 JAN 1950
	12 FEB 1950
256-50	07 AUG 1950
257-80	07 AUG 1950
310-80	14 AUG 1980
331-50	17 SEPT 1950
466-50	05 NOV 1950
535-50	23 DEC 1980
535-50	09 DEC 1950
95-51	26 JUNE 1951

National Energy Board/Trans Mountain Agreements

NUMBER	DATE OF AGREEMENT
266-81	07 AUG 1981
267-81	07 AUG 1981
271-81	30 AUG 1981
275-81	29 AUG 1981
323-81	10 SEPT 1981
380-81	25 OCT 1981
415-81	07 DEC 1981
UX42-8	02 MAR 1981
UX44-3	02 MAR 1981
15-82	01 FEB 1982
27-82	22 JAN 1982
280-82	
342-82	22 OCT 1982
16-83	19 JAN 1983
221-83	29 SEPT 1983
267-84	15 NOV 1984
2-84	21 NOV 1984
-84	05 DEC 1984
-85	21 FEB 1985
UX ?	
363-85	30 OCT 1985
155-87	25 MAY 1987
325-87	10 SEPT 1987

Ministry of Transportation & Highways (Provincial)

All permits issued by the Ministry of Transportation & Highways to construct natural gas works upon highways.

Ministry of Public Works (Federal)

Permit issued by the Ministry of Public Works re 1 1/4" underwater gas line crossing of Eagle Harbour, West Vancouver, British Columbia.

All permits, licences and exemptions issued pursuant to the Navigatable Waters Protection Act in respect of the natural gas works

DISCLOSURE SCHEDULE 16
[Mainland Gas]

GRANTED RIGHT OF WAY AGREEMENTS

As described in Part C of Disclosure Schedule 8.

DISCLOSURE SCHEDULE 17
[Mainland Gas]

LEASES

As described in Part D of Disclosure Schedule 8.

WPD-H/MG

LEASED MACHINERY AND EQUIPMENTMainland GasDisclosure Schedule 18

<u>Supplier</u>	<u>Description</u>	<u>Expiry</u>
CIBC Leasing Ltd.	Phone system \$311,300 Lease to purchase option	30/9/93
Citilease	Mobira 130-130-322M Mobile (Car Phones)	1/6/90
Citibank Leasing Canada Limited	Canon PC70 Reader Printer	31/12/88
Harris/3M Document Products	FAX - 5-EMT1111 Serial No. 115005 115077 115113 115152 115346 2-EMT1112 905015 905095	31/10/89
Xerox Canada Inc.	1) Xerox 7080 Full System (Option to Purchase)	10/7/92
	2) 1824-A1 14.5X Copier	
	3) Xerox 1045 D51015201 (Main Floor)	31/08/89
	4) Xerox 3107 758-703753 (Lower Floor)	31/05/89
	5) Xerox 3100 374-137526 (F.V. Gas)	31/03/89
	6) Xerox 1050 N81899431 (2250 Boundary)	15/08/91
National Pagette Ltd.	64 pagers. \$10,000 year	30/11/89
Xerox Canada Inc.	11 photocopiers (see Schedule A)	1/5/88 (Month to month basis)
Xerox/Memorex/IBM	Computer Equipment (see Schedule B)	

LEASED MACHINERY AND EQUIPMENTMainland GasDisclosure Schedule 18Photocopiers

<u>Serial No.</u>	<u>Model No.</u>	<u>Location</u>
758-706858	Xerox 3107	Support Operations 3777 Lougheed Hwy. Burnaby, B.C.
758-712584	Xerox 3107	East Wing Main Floor - above address
935-738943	Xerox 2600	LNG Plant 7651 Hopcott Road Delta, B.C.
935-741299	Xerox 2600	Gas Operations 3777 Lougheed Hwy.
C3441471	Xerox 1045	Gas Engineering - above address
282-156760	Xerox 4000	Transmission & Distrib. - above address
446-701967	Xerox 3103	Gas Instrument Shop - above address
282-233124	Xerox 4000	Quality Assurance - above address
374-212602	Xerox 3100	16705 Fraser Hwy. Surrey, B.C.
758-713375	Xerox 3107	Distribution 3777 Lougheed Hwy. Burnaby, B.C.
935-742400	Xerox 2600	Store 72 - above address

LEASED MACHINERY AND EQUIPMENT
MAINLAND GAS
DISCLOSURE SCHEDULE 18

<u>LOCATION</u>	<u>TYPE</u>	<u>SUPPLIER</u>	<u>SERIAL NUMBER</u>	<u>MODEL/ FEATURE DESCRIPTION</u>	<u>EXPIRY DATE</u>	<u>REMARKS</u>
Lochburn	0733	TI	0017244	A-L2/C Data Terminal		
Lochburn	2068	Memorex	6803869	Matrix Printer		
Lochburn	2068	Memorex	6807244	Matrix Printer		
Lochburn	2068	Memorex	6808753	Matrix Printer		
Lochburn	2068	Memorex	6811605	Matrix Printer		
Lochburn	2124	Memorex	6840175	Printer		
Lochburn	2068	Memorex	6811607	Matrix Printer		
Lochburn	2178	Memorex	694612	Terminal		
Lochburn	2178	Memorex	699546	Terminal		
Lochburn	2178	Memorex	699571	Terminal		
Lochburn	2180	Memorex	102853	Wide Screen Terminal		
Lochburn	2180	Memorex	102902	Wide Screen Terminal		
Lochburn	2180	Memorex	102925	Wide Screen Terminal		
Lochburn	2180	Memorex	102974	Wide Screen Terminal		
Lochburn	2191	Memorex	155843	Terminal		
Lochburn	2191	Memorex	164984	Terminal		
Lochburn	2191	Memorex	165070	Terminal		
Lochburn	2191	Memorex	164858	Terminal		
Lochburn	2191	Memorex	167064	Terminal		

LEASED MACHINERY AND EQUIPMENT
MAINLAND GAS
DISCLOSURE SCHEDULE 18

<u>LOCATION</u>	<u>TYPE</u>	<u>SUPPLIER</u>	<u>SERIAL NUMBER</u>	<u>MODEL/ FEATURE DESCRIPTION</u>	<u>EXPIRY DATE</u>	<u>REMARKS</u>
Lochburn	2191	Memorex	167046	Terminal		
Lochburn	2191	Memorex	167084	Terminal		
Lochburn	2191	Memorex	167098	Terminal		
Boundary Gas	3274	IBM	23E9879	01R Control Unit		
Lochburn	3274	IBM	23R9797	Control Unit		
Lochburn	3178	IBM	A8267	00 Display Station		
Lochburn	3178	IBM	00BW454	C2Y Display Station		
Lochburn	3178	IBM	00NX763	C3Y Display Station		
Lochburn	3178	IBM	00DZ513	00 Display Station		
Lochburn	3178	IBM	00NR452	00 Display Station		
Lochburn	3178	IBM	00NX744	00 Display Station		
Lochburn	3178	IBM	00NX759	00 Display Station		
Lochburn	3178	IBM	00NX761	00 Display Station		
Lochburn	3178	IBM	00NX765	00 Display Station		
Lochburn	3178	IBM	00NX766	00 Display Station		
Lochburn	3178	IBM	00NX769	00 Display Station		
Lochburn	3178	IBM	00NX771	00 Display Station		
Lochburn	3178	IBM	00R4426	00 Display Station		
Lochburn	3178	IBM	00R4499	00 Display Station		
Lochburn	3178	IBM	00R4510	00 Display Station		
Lochburn	3178	IBM	00UV937	00 Display Station		

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LEASED MACHINERY AND EQUIPMENT
MAINLAND GAS
DISCLOSURE SCHEDULE 18

<u>LOCATION</u>	<u>TYPE</u>	<u>SUPPLIER</u>	<u>SERIAL NUMBER</u>	<u>MODEL/ FEATURE DESCRIPTION</u>	<u>EXPIRY DATE</u>	<u>REMARKS</u>
Lochburn	3178	IBM	00UV947	00 Display Station		
Lochburn	3178	IBM	00VG596	00 Display Station		
Lochburn	3178	IBM	00VG599	00 Display Station		
Lochburn	3178	IBM	00VG601	00 Display Station		
Lochburn	3178	IBM	00VG609	00 Display Station		
Lochburn	3178	IBM	00VG613	00 Display Station		
Lochburn	3178	IBM	00VG616	00 Display Station		
Lochburn	3178	IBM	00VG617	00 Display Station		
Lochburn	3178	IBM	00VG618	00 Display Station		
Lochburn	3178	IBM	00VG667	00 Display Station		
Lochburn	3178	IBM	00VG672	00 Display Station		
Lochburn	3178	IBM	00VG681	00 Display Station		
Lochburn	3191	IBM	00C7709	00 Display Station		
Lochburn	3178	IBM	00TY727	C3Y Display Station		
Lochburn	3178	IBM	00TY729	C3Y Display Station		
Lochburn	3178	IBM	00TY730	C3Y Display Station		
Lochburn	3178	IBM	00TY736	C3Y Display Station		
Lochburn	3178	IBM	00TZ927	C3Y Display Station		
Lochburn	3178	IBM	00UF940	C3Y Display Station		
Lochburn	3178	IBM	00UF952	C3Y Display Station		
Lochburn	3178	IBM	00VG597	C3Y Display Station		

LEASED MACHINERY AND EQUIPMENT
MAINLAND GAS
DISCLOSURE SCHEDULE 18

<u>LOCATION</u>	<u>TYPE</u>	<u>SUPPLIER</u>	<u>SERIAL NUMBER</u>	<u>MODEL/ FEATURE DESCRIPTION</u>	<u>EXPIRY DATE</u>	<u>REMARKS</u>
Lochburn	3178	IBM	00VG670	C3Y Display Station		
Lochburn	3279	IBM	00CND44	G2Y Colour Terminal		
Lochburn	2180	IBM	00N6141	10Y Wide Screen Terminal		
Lochburn	2180	IBM	00P2839	10Y Wide Screen Terminal		
Lochburn	2180	IBM	00P4915	10Y Wide Screen Terminal		
Lochburn	3191	IBM	0015448	SE02 Display Station		
Lochburn	3191	IBM	0015486	SE02 Display Station		
Lochburn	3191	IBM	0050301	SE02 Display Station		
Lochburn	3191	IBM	0067347	SE02 Display Station		
Lochburn	3191	IBM	0083992	SE02 Display Station		
Lochburn	3191	IBM	0083997	SE02 Display Station		
Lochburn	3191	IBM	0084020	SE02 Display Station		
Lochburn	3191	IBM	0084059	SE02 Display Station		
Lochburn	3191	IBM	0086352	SE02 Display Station		
Lochburn	3191	IBM	0086379	SE02 Display Station		
Lochburn	3191	IBM	0087728	SE02 Display Station		
Lochburn	3191	IBM	0097074	SE02 Display Station		
Lochburn	3191	IBM	0097088	SE02 Display Station		
Lochburn	3191	IBM	0097101	SE02 Display Station		
Lochburn	3191	IBM	0097114	SE02 Display Station		
Lochburn	3191	IBM	0097933	SE02 Display Station		

LEASED MACHINERY AND EQUIPMENT
MAINLAND GAS
DISCLOSURE SCHEDULE 18

<u>LOCATION</u>	<u>TYPE</u>	<u>SUPPLIER</u>	<u>SERIAL NUMBER</u>	<u>MODEL/ FEATURE DESCRIPTION</u>	<u>EXPIRY DATE</u>	<u>REMARKS</u>
Boundary Gas	3191	IBM	0098078	SE02 Display Station		
Lochburn	3191	IBM	00AVK08	SE02 Display Station		
Lochburn	3191	IBM	00C6668	SE02 Display Station		
Lochburn	3191	IBM	00C6672	SE02 Display Station		
Lochburn	3191	IBM	00C6694	SE02 Display Station		
Lochburn	3191	IBM	00C7638	SE02 Display Station		
Lochburn	3191	IBM	00C7695	SE02 Display Station		
Boundary Gas	3191	IBM	00C7709	SE02 Display Station		
Lochburn	3191	IBM	00C7736	SE02 Display Station		
Lochburn	3191	IBM	00EBP44	SE02 Display Station		
Lochburn	3191	IBM	00F3228	SE02 Display Station		
Lochburn	3191	IBM	00F3267	SE02 Display Station		
Lochburn	3191	IBM	00G4332	SE02 Display Station		
Lochburn	3191	IBM	00L1779	Display Station		
Lochburn	3191	IBM	00L1808	Display Station		
Lochburn	3191	IBM	00P0795	Display Station		
Lochburn	3191	IBM	00R0763	Display Station		
Lochburn	3191	IBM	00R0956	Display Station		
Boundary Gas	3191	IBM	00R1004	Display Station		
Boundary Gas	3191	IBM	00R0448	Display Station		
Lochburn	3191	IBM	00R0890	Display Station		

LEASED MACHINERY AND EQUIPMENT
MAINLAND GAS
DISCLOSURE SCHEDULE 18

<u>LOCATION</u>	<u>TYPE</u>	<u>SUPPLIER</u>	<u>SERIAL NUMBER</u>	<u>MODEL/ FEATURE DESCRIPTION</u>	<u>EXPIRY DATE</u>	<u>REMARKS</u>
Boundary Gas	3191	IBM	00R0894	Display Station		
Lochburn	3191	IBM	00R0447	Display Station		
Lochburn	3191	IBM	00R0889	Display Station		
Lochburn	3191	IBM	00R0896	Display Station		
Lochburn	3191	IBM	00R0923	Display Station		
Lochburn	3191	IBM	00R0934	Display Station		
Lochburn	3191	IBM	00R0945	Display Station		
Lochburn	3191	IBM	00R1446	Display Station		
Lochburn	3191	IBM	00R0964	00 Display Station		
Lochburn	3268	IBM	11070	00 Printer		
Lochburn	3268	IBM	21418	00 Printer		
Lochburn	3274	IBM	23F2842	00 Control Unit		
Lochburn	3274	IBM	23A4405	C61 Control Unit		
Lochburn	3274	IBM	00Y7102	C61 Control Unit		
Lochburn	3279	IBM	22127	00 Printer - Colour Graphics		
Lochburn	3820	IBM	5612034	001 Printer		Lease buy-out
Lochburn	4045CP	Xerox	V51-417648	50 Laser Printer		
Lochburn	4045CP	Xerox	V51-432097	50 Laser Printer		
Boundary Gas	4045	Xerox	V51-434878	50 Laser Printer		
Lochburn	4045	Xerox	V51-435133	50 Laser Printer		
Lochburn	4045	Xerox	V51-438268	50 Laser Printer		

LEASED MACHINERY AND EQUIPMENTMAINLAND GASDISCLOSURE SCHEDULE 18COMPUTER EQUIPMENT -

<u>LOCATION</u>	<u>TYPE</u>	<u>SUPPLIER</u>	<u>SERIAL NUMBER</u>	<u>MODEL/ FEATURE DESCRIPTION</u>	<u>EXPIRY DATE</u>	<u>REMARKS</u>
Fraser Valley Gas	2178	MMX	685533	Terminal		
Fraser Valley Gas	2178	MMX	699376	Terminal		
Fraser Valley Gas	2291	MMX	164979	Terminal		
Fraser Valley Gas	3178	IBM	00DY809	Display Station		
Fraser Valley Gas	3191	IBM	0086361	Display Station		
Fraser Valley Gas	3191	IBM	0097789	Display Station		
Fraser Valley Gas	3180	IBM	00N3046	Wide Screen Terminal		
Fraser Valley Gas	5272	IBM	00E3741	P/C Colour Display		Lease buy-out
Fraser Valley Gas	5272	IBM	00E3783	P/C Colour Display		Lease buy-out
Fraser Valley Gas	2291	MMX	167022	Terminal		
Fraser Valley Gas	3191	IBM	0098099	Display Station		
Fraser Valley Gas	3178	IBM	00UV990	Display Station		
Fraser Valley Gas	3278	IBM	0032103	Display Station		
Fraser Valley Gas	3278	IBM	005V729	Display Station		
Fraser Valley Gas	3278	IBM	82A8287	Display Station		
Fraser Valley Gas	3278	IBM	82A8733	Display Station		
Fraser Valley Gas	3278	IBM	82A8326	Display Station		
Fraser Valley Gas	3178	IBM	00CE707	Display Station		

LEASED MACHINERY AND EQUIPMENT
MAINLAND GAS
DISCLOSURE SCHEDULE 18

<u>LOCATION</u>	<u>TYPE</u>	<u>SUPPLIER</u>	<u>SERIAL NUMBER</u>	<u>MODEL/ FEATURE DESCRIPTION</u>	<u>EXPIRY DATE</u>	<u>REMARKS</u>
Fraser Valley Gas	3274	IBM	00X0323	Control Unit		
Fraser Valley Gas	3191	IBM	00F3143	Display Station		
Fraser Valley Gas	3191	IBM	0086402	Display Station		
Fraser Valley Gas	3191	IBM	0087593	Display Station		
Fraser Valley Gas	3191	IBM	0097090	Display Station		
Fraser Valley Gas	3191	IBM	0097117	Display Station		
Fraser Valley Gas	3191	IBM	0097614	Display Station		
Fraser Valley Gas	3278	IBM	82A8707	Display Station		
Fraser Valley Gas	3191	IBM	0097697	Display Station		
Fraser Valley Gas	3191	IBM	0086395	Display Station		
Fraser Valley Gas	3191	IBM	0086403	Display Station		
Fraser Valley Gas	3191	IBM	0086364	Display Station		
Fraser Valley Gas	3191	IBM	0086354	Display Station		
Fraser Valley Gas	3191	IBM	0086390	Display Station		
Fraser Valley Gas	2068	MMX	6810743	Matrix Printer		
Fraser Valley Gas	2124	MMX	6827508	Printer		
Fraser Valley Gas	3268	IBM	0011068	CICS Printer		
Fraser Valley Gas	3268	IBM	0014346	CICS Printer		
Fraser Valley Gas	2068	MMX	6807267	Matrix Printer		
Fraser Valley Gas	3274	IBM	0099072	Control Unit		
Fraser Valley Gas	3178	IBM	00CK276	Display Station.		
Fraser Valley Gas	3278	IBM	0088U72	Display Station		

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LEASED MACHINERY AND EQUIPMENT
MAINLAND GAS
DISCLOSURE SCHEDULE 18

<u>LOCATION</u>	<u>TYPE</u>	<u>SUPPLIER</u>	<u>SERIAL NUMBER</u>	<u>MODEL/ FEATURE DESCRIPTION</u>	<u>EXPIRY DATE</u>	<u>REMARKS</u>
Fraser Valley Gas	3278	IBM	0032109	Display Station		
Fraser Valley Gas	3278	IBM	00A4265	Display Station		
Fraser Valley Gas	3178	IBM	00DZ509	Display Station		
Fraser Valley Gas	3278	IBM	0032100	Display Station		
Fraser Valley Gas	3191	IBM	00K2640	Display Station		
Fraser Valley Gas	2178	MMX	699380	Terminal		
Fraser Valley Gas	3178	IBM	00DZ512	Display Station		

DISCLOSURE SCHEDULE 19
[Mainland Gas]

LICENCES

As described in Part H of Disclosure Schedule 8.

DISCLOSURE SCHEDULE 20
[Mainland Gas]

LOGO

The corporate logo of B.C. Hydro and Power Authority means the stylized H with an extended horizontal bar across the centre. This logo is usually surrounded by a circle, but is sometimes used alone.

This logo is also included as a component of other designs; e.g. the gas "flame" logo, the stylized light bulb used in the corporate "Idea" program, etc.

AMENDED
DISCLOSURE SCHEDULE 21
[Mainland Gas]
METERS

METERS.W

BC HYDRO
GAS - MAINLAND
JULY 15, 1988
METERS

ACCOUNT DISTRICT	NO OF METERS	AVE COST PER METER
265201 ABBOTSFORD DISTRICT	4304	212
265202 BURNABY DISTRICT - BARNET	35417	235
265204 DISTRICT OF CHILLIWACK	12986	186
265205 COQUITLAM DISTRICT	19623	269
265206 DELTA DISTRICT	23347	171
265207 HARRISON HOT SPRINGS VILLGE	254	1,204
265208 HOPE TOWN	1239	171
265209 KENT DISTRICT - AGASSIZ	750	230
265210 LANGLEY TOWNSHIP	15577	194
265212 MAPLE RIDGE DISTRICT	11073	194
265213 MATSQUI DISTRICT	13443	230
265215 MISSION DISTRICT - HATZIC	5267	240
265216 NEW WESTMINSTER CITY	7887	183
265217 NORTH VANCOUVER CITY	6905	226
265218 NORTH VANCOUVER DISTRICT	20660	268
265219 PITT MEADOWS DISTRICT	2323	231
265220 PORT COQUITLAM CITY	8957	281
265221 PORT MOODY CITY	4497	233
265222 RICHMOND TOWNSHIP-STEVESTON	29915	255
265225 SURREY DISTRICT	54973	189
265226 VANCOUVER CITY	96886	182
265227 WEST VANCOUVER DISTRICT	10580	294
265230 LANGLEY CITY	4479	275
265233 WHITE ROCK CITY	4034	172
265245 S.D. 32 FRASER CANYON	457	185
265246 S.D. 33 CHILLIWACK	374	161
265247 S.D. 34 ABBOTSFORD	86	193
265256 UNIVERSITY ENDOWMENT LANDS	562	83
265257 CULTUS LAKE PARK AREA	367	234
265280 UNDISTRIBUTED PROGRAM CHGRS		
METER SHOP (FOR REPAIR)	2500	
METER SHOP (SEALED)	1150	
METRO FIELD STOCK (EST'D)	1500	
VFG FIELD STOCK (EST'D)	3200	

405572

NOTE:

*** - THIS SCHEDULE DOES NOT INCLUDE ANY METERS LOCATED AT STORE #72.
THESE METERS WILL BE ACQUIRED AS PART OF THE ASSUMED CURRENT
ASSETS (DISCLOSURE SCHEDULE #1)

AMENDED

BC HYDRO AND POWER AUTHORITY
MAINLAND GAS
AGREEMENTS AND CONTRACTS
DISCLOSURE SCHEDULE 22

DATE OF AGREEMENT	OTHER PARTY	PURPOSE OR CONTENTS	EXPIRY DATE
** AGREEMENTS - MUNICIPAL OPERATING			
Jan 25 1957	ABBOTSFORD - The Village of	Use of streets for natural gas pipes	
Apr 19 1926	BURNABY - The District of	Use of streets for natural gas pipes	
June 01 1957	CHILLIWACK - The City of	Use of streets for natural gas pipes	
Oct 01 1957	CHILLIWACK - The Township of	Use of streets for natural gas pipes	
Apr 10 1961	CHILLIWACK - The Township of	Use of streets for natural gas pipes	
Jan 07 1957	COQUITLAM - The District of	Use of streets for natural gas pipes	
Sept 16 1957	DELTA - The Corporation of	Use of streets for natural gas pipes	
* Nov 24 1958	DELTA - The Corporation of	Use of streets for natural gas pipes	
June 11 1957	FRASER MILLS - The District of	Use of streets for natural gas pipes	
June 06 1957	HARRISON HOT SPRINGS - The Village of	Use of streets for natural gas pipes	
Mar 14 1957	HOPE - The Village of	Use of streets for natural gas pipes	
Feb 11 1957	KENT - The District of	Use of streets for natural gas pipes	
Apr 15 1957	LANGLEY - The City of	Use of streets for natural gas pipes	
Feb 07 1955	LANGLEY - The Township of	Use of streets for natural gas pipes (Trunk line)	
Mar 25 1957	LANGLEY - The Township of	Use of streets for natural gas pipes	
Apr 05 1957	MAPLE RIDGE - The District of	Use of streets for natural gas pipes	
Nov 27 1956	WATSQUI - The District of	Use of streets for natural gas pipes	
**Dec 21 1955	WATSQUI - The District of	Use of streets for natural gas pipes (Trunk line)	
Mar 27 1957	MISSION - The District of	Use of streets for natural gas pipes	
Mar 26 1957	MISSION CITY - The Village of	Use of streets for natural gas pipes	
Apr 27 1927	NEW WESTMINSTER - The City of	Use of streets for natural gas pipes	
Sept 26 1929	NORTH VANCOUVER - The City of	Use of streets for natural gas pipes	
Sept 26 1929	NORTH VANCOUVER - The District of	Use of streets for natural gas pipes	
May 11 1957	PITT MEADOWS - The District of	Use of streets for natural gas pipes	
Nov 27 1956	PORT COQUITLAM - The City of	Use of streets for natural gas pipes	
Nov 27 1956	PORT MOODY - The City of	Use of streets for natural gas pipes	
Nov 27 1956	SUMAS - The District of	Use of streets for natural gas pipes	
**Jan 13 1955	SUMAS - The District of	Use of streets for natural gas pipes (Trunk line)	
**Apr 20 1955	SURREY - The District of	Use of streets for natural gas pipes (Trunk line)	
June 13 1957	SURREY - The District of	Use of streets for natural gas pipes	
Nov 22 1956	VANCOUVER - The City of	Use of streets for natural gas pipes	
Apr 15 1957	WEST VANCOUVER - The District of	Use of streets for natural gas pipes	
June 24 1957	WHITE ROCK - The City of	Use of streets for natural gas pipes	

Changes since previous report.

* Not included in previous report.

** Change of date.

AMENDED

DISCLOSURE SCHEDULE 23

[MAINLAND GAS]

OWNED MACHINERY AND EQUIPMENT

Metro Muster Point - 25th.&Arbutus

OFFICE TRAILER-10X52
STORAGE SHED-12X20
SITE PREPARATION

SURFACING-GRAVEL
FENCING-COMPLETE WITH GATE
YARD LIGHTING

Metro Muster Point - Lochburn

OFFICE TRAILER-12X64
WASHROOM TRAILER-10X13(FABCO)
STORAGE SHED-12X30(METAL)
ELECTRICAL SERVICE
WATER SERVICE
SEWAGE SYSTEM

Metro Muster Point - Coquitlam

OFFICE TRAILER
OFFICE TRAILER-12X50
WASHROOM TRAILER-10X10
STORAGE SHED-10X15
STORAGE SHED-10X15
STORAGE SHED-10X15

SURFACING-GRAVEL
FENCING-COMPLETE WITH GATE
YARD LIGHTING

Metro Muster Point - 2nd.&Woodland

SURFACING-GRAVEL
FENCING-COMPLETE WITH GATE
YARD LIGHTING
STORAGE SHED-8X12

Metro Muster Point - Richmond

OFFICE TRAILER
OFFICE TRAILER-10X52
ROOM TRAILER-10X10
STORAGE SHED-12X20

SURFACING-GRAVEL
SURFACING-ASPHALT
FENCING-COMPLETE WITH GATE
YARD LIGHTING

Metro Muster Point - Walters

OFFICE TRAILER
OFFICE TRAILER-12X50
WASHROOM TRAILER-10X10
STORAGE SHED-6X8
STORAGE SHED-16X8

Metro Muster Point - Norgate

OFFICE TRAILER-12X50
OFFICE TRAILER-12X50
STORAGE SHED-10X20
STORAGE SHED-8X10

SURFACING-GRAVEL
FENCING-COMPLETE WITH GATE
YARD LIGHTING

Metro Muster Point - 41st. & Fraser

OFFICE TRAILER-12X50(INSTALLATION)
STORAGE SHED-12X20
STORAGE SHED-8X16(WOOD)

FENCING
LANDSCAPING

Lochburn - Admin'/Stores/Warehouse
ADMINISTRATION BUILDING & STORES WAREHOUSE

-FIRE ALARM SYSTEM (WEST OFFICE/STORES BLDG)

ELEVATOR

HVAC-(WEST ADMINISTRATION BUILDING AND STORE WHSE)

-INSTALL 2 THERM TUBE HEAT UNITS

-ADDITIONAL AIRCONDITIONING

-HVAC

-HVAC-EAST ADMINISTRATION-TOP FLOOR

-HVAC-COOLING TOWER

-HVAC-EAST ADMINISTRATION-BOTTOM FLOOR

-HVAC-EAST ADMINISTRATION-BOTTOM FLOOR

ELECTRICAL-(WEST ADMINISTRATION BLDG + STORE WHSE)

-ADDITIONAL LIGHTING

-IMPROVE LIGHTING-STORES

-ADDITIONAL LIGHTING

-LIGHTING IMPROVEMENTS-GENERAL OFFICE AREA

-EAST ADMINISTRATION-BOTTOM FLOOR

-MASTER TIME CLOCK

Lochburn - Machine/Welding/Lab

WELDING SHOP 40' X 80'

-IMPROVEMENTS

-LIGHTING

-HVAC-AIR CONDITIONING UNIT

-HVAC-AIR CONDITIONING UNIT

-AIR CONDITIONING UNIT

-AIR CONDITIONING UNIT

-FIRE ALARM SYSTEM

SURFACING GRAVEL-CABLE & TRANSFORMER YARD

SURFACING GRAVEL-CABLE YARD - STORE 35

SURFACING GRAVEL-WEST OF HORNE PAYNE ANNEX

SURFACING GRAVEL-ADDITIONAL (GAS ADMIN')

SURFACING GRAVEL-ADDITIONS TO STORE 35

SURFACING GRAVEL-PORION OF HORNE PAYNE STOR'AREA

SURFACING GRAVEL-HORNE PAYNE STORES 100' X 400'

SURFACING GRAVEL-AREA EAST OF STILL CREEK

FENCING-WEST SIDE-HORNE PAYNE S/S AREA

FENCING-ADDITIONAL FOR GAS ADMIN BLDG

FENCING-ADDITION TO STORES 35

FENCING-AN AREA APPROX 100' X 400'

FENCING-AREA EAST OF STILL CREEK

FENCING-AUTOMATIC CONTROLS

FENCING-EAST BOUNDARY

YARD LIGHTING-CABLE & TRANSFORMER YARD

YARD LIGHTING-WEST OF HORNE PAYNE ANNEX

YARD LIGHTING-ADDITIONAL FOR GAS ADMIN BLDG

YARD LIGHTING-SUPPLUS STORES SECTION

YARD LIGHTING-STORE 35

YARD LIGHTING-AREA EAST OF STILL CREEK

YARD LIGHTING-4-100 WATT VAPOUR LIGHTS

YARD LIGHTING-STREET LIGHTS

Lochburn - Horne Payne Building
HORNE PAYNE BUILDING

-ELECTRICAL IMPROVEMENTS

- FIRE ALARM SYSTEM
- AIR CONTROL SYSTEM-WELDING SCHOOL
- DUST & FUME EXTRACTION SYSTEM-WELDING SCHOOL
- UPGRADE ELECTRICAL DISTRIBUTION
- AIR CONDITIONING UNIT
- AIR FILTER SYSTEM-WELDING SCHOOL

Lochburn - Misc Buildings & Struct
GAS ISLAND/SERVICE GARAGE
-FIRE ALARM SYSTEM
ST BUTLER BUILDING 40'X100'

-FIRE ALRM SYSTEM
CONCRETE BLOCK SHELTER 9'X12'
EAST BUTLER BLDG-20'X60'

-FIRE ALARM SYSTEM
METAL SHED-11'X69' (EAST OF HPB)
-20' ROOF EXTENSION
OFFICE TRAILER-10'X32' (TRAINING FACILITY)
GENERATOR & COMPRESSOR BUILDING
-GENERATOR
-COMPRESSOR
-FIRE ALARM SYSTEM
LONGSHED-350'X24'
OFFICE TRAILER-10'X40' (SECURITY)
OFFICE TRAILER-(DBLE WIDE) 10'X52'

FV Muster Point - Albion
OFFICE TRAILER-DOUBLE WIDE-1120 SQ FT
STORAGE SHED-8X32 METAL CLAD
ELECTRICAL SERVICE

PIPE RACKS

SURFACING-GRAVEL
SURFACING-ASPHALT
CHAIN LINK FENCING
YARD LIGHTING-ON 6 POLES

FV Muster Point - Sunnyside
TRAILER-8 X 12
WASHROOM BUILDING-108 SQ FT (CONCRETE BLOCK)
STORAGE SHED-8X32, METALCLAD LEAN TO

PIPE RACKS

SURFACING-GRAVEL
FENCING-CHAIN LINK C/W GATE
YARD LIGHTING

FV Muster Point - Sardis
BUILDING-12X12 (RAILWAY SIDING BUILDING)
STORAGE SHED-8X40 METALCLAD
PIPE RACKS

SURFACING-GRAVEL
FENCING-CHAIN LINK
YARD LIGHTING

FV Muster Point - Goudy
OFFICE TRAILER-8X12
WASHROOM SHED-8X8(CONCRETE BLOCK)
STORAGE SHED-8X10(CONCRETE BLOCK)
METAL CLAD SHED-8X20
PIPE RACKS

SURFACING-GRAVEL
FENCING-COMplete WITH GATE
YARD LIGHTING

FV Muster Point - Langley
OFFICE TRAILER-24X60
-FOUNDATION
STORAGE SHED-8X40
LOADING RAMP-CONCRETE

ELECTRIC SERVICE
WATER SUPPLY
PIPE RACKS

SURFACING-GRAVEL
SURFACING-GRAVEL-ADDITIONAL
SURFACING-ASPHALT PAVING
FENCING-CHAIN LINK
FENCING-GATES
FENCING-CHAIN LINK-ADDITIONAL
FENCING-CHAIN LINK-ADDITIONAL
YARD LIGHTING
YARD LIGHTING-ADDITIONAL
YARD LIGHTING-ADDITIONAL

FV Muster Point - Roebuck

BUILDING-30X44

- WASHROOM FACILITIES
- HVAC SYSTEM
- LIGHTING FIXTURES
- PLUMBING SYSTEM
- SUSPENDED CEILING
- ROOF(TAR & GRAVEL)
- FLOORING, RESILIENT
- LOCKERS(18 UNITS)

STORAGE SHED-8X40
ELECTRICAL SERVICE
PIPE RACKS

SURFACING-GRAVEL
SURFACING-ASPHALT
FENCING CHAIN LINK
YARD LIGHTING
LANDSCAPING

Constr' & Mntce - Abbotsford

BUILDING-25X25(WOOD)
METER SHOP-22X13
STORAGE SHED-10X6
PIPE RACKS

SURFACING-GRAVEL
SURFACING-ASPHALT
FENCING - CHAIN LINK
YARD LIGHTING

FV Distr'n Centre - Administration

BUILDING-DISTRIBUTION CENTRE

- IDENTIFICATION SIGN
- PARTITIONS
- AIR CONDITIONING-ZONE CONTROL
- MODIFICATIONS-EMERGENCY STANDBY GENERATOR
- BUILDING ADDITION
- BUILDING IMPROVEMENTS
- COMPUTER ROOM
- ENGINEERING STUDIES (SPACE REQUIREMENTS)

FLOORING-CARPET/TILE

DRAINAGE-(BUILDING ADDITION)

HVAC-(BUILDING ADDITION)

HVAC-COMPUTER ROOM

FIRE PROTECTION SYSTEM-COMPUTER ROOM

POWER DISTRIBUTION SYSTEM-COMPUTER ROOM

ALARM SYSTEM

OFFICE TRAILER-20'X50' (CUSTOMER SERVICE)

OFFICE TRAILER-24'X60' (PLANNERS TRAILER)

OFFICE TRAILER-20'X54'(COSTING)

LIQUIFIED NATURAL GAS - TILBURY ISLAND

Plant

Emergency Telephone

Blinds

Shelves

Pumphouse

L.N.G. Storage

Storage Tank

Storage Tank - repressurizing line

INSTR & CONTRL EQUIP INSTRUMENT AIR COMPRESSOR	
INSTR & CONTRL EQUIP ANALYER-BECKMAN F3MI-1BX PARAMAG O2	
INSTR & CONTRL EQUIP PRESSURE,TEMP,FLOW & LEVEL INSTRUMENT	
INSTR & CONTRL EQUIP CONTROL PANEL	
INSTR & CONTRL EQUIP ANALYER-BECKMAN 415A INAFRARED CO2	MAR 79
INSTR & CONTRL EQUIP ANALYER-BECKMAN 620E CHROMATOGRAPH	MAR 79
INSTR & CONTRL EQUIP PUR/INSTL VIB MONITORS	
INSTR & CONTRL EQUIP INST CONTROL PANEL EXTEN	
INSTR & CONTRL EQUIP TEMPERATURE ALARMS	
INSTR & CONTRL EQUIP VIB & TEMP MON EQPT-SENDOUT PHPS & VAPS	OCT 80
INSTR & CONTRL EQUIP GENERAL MONITORS- 3 GAS MONITOR SYSTEMS	JUL 80
INSTR & CONTRL EQUIP COUGAR IND-CONTROL LEVEL TRANSMITTER	APR 80
INSTR & CONTRL EQUIP INSTL ELECTRICAL & INSTRUMENTATION	SEP 80
INSTR & CONTRL EQUIP MISCEL INSTRUMENT & SECURITY UNDER \$2000	AUG 80
INSTR & CONTRL EQUIP PROVIDE INSTRUMENTATION FACILITIES	MAR 80
INSTR & CONTRL EQUIP ELECTRICAL & INSTRUMENTATION WORK	
INSTR & CONTRL EQUIP DIST OF ENG ETC SPREAD COSTS TO 807123	
INSTR & CONTRL EQUIP BG CONTROLS-ALPHA SHIELD,TERM.BLOCKS,LUG	JUL 80
INSTR & CONTRL EQUIP SEISMIC EVENT ALARM MONTR	AUG 80
INSTR & CONTRL EQUIP INTERTECHNOLOGY-PROCESS MONITOR DATALOG	AUG 80
INSTR & CONTRL EQUIP ELECTRICAL INSTALLATION	AUG 80
INSTR & CONTRL EQUIP INSTL ELECTRICAL & INSTRUMENT	SEP 80
INSTR & CONTRL EQUIP REVIEW MOD. TO PUMP & MOTOR CONTROLS	JUL 80
INSTR & CONTRL EQUIP ROSEMOUNT INSTR. - PRESSURE TRANM.	JUL 80
INSTR & CONTRL EQUIP LNG PUMP INSTR.	
LIQUEFACTION EQUIP MAIN CYCLE COMPRESSOR	
LIQUEFACTION EQUIP OTHER COSTS - MAIN CYCLE COMPRESSOR	
LIQUEFACTION EQUIP VESSELS	
LIQUEFACTION EQUIP CYCLE FLUID STORAGE TANKS	
LIQUEFACTION EQUIP DESICCATION UNIT	
LIQUEFACTION EQUIP MAKE-UP UNIT	
LIQUEFACTION EQUIP AIR COOLED HEAT EXCHANGERS	
LIQUEFACTION EQUIP COLD BOX	
LIQUEFACTION EQUIP OTHER COSTS - COLD BOX	
LIQUEFACTION EQUIP MISCEL EQPT RELOCAT & UPGRD UNDER \$2000	
LIQUEFACTION EQUIP EQPT RELOCATION - INSTALLATION	JUN 80
LIQUEFACTION EQUIP DIST OF ENG ETC SPREAD COSTS TO 807123	
LIQUEFACTION EQUIP WATER SPRAY SYSTEM FOR LIQUEFACTION	SEP 80
LIQUEFACTION EQUIP DONALDSON, PYRCH & HUME - VALVES/LIQUEF	JUN 80
LIQUEFACTION EQUIP EQPT RELOCATION - ELECTRIC/LIQUEFACTION	JUN 80
LIQUEFACTION EQUIP WATER SPRAY SYSTEM - REFRIGERANT COOLERS	
LIQUEFACTION EQUIP COLD BOX VENT STACK EXTENSION	
VAPORIZATION EQUIP LNG VAPORIZERS	
VAPORIZATION EQUIP LNG PUMPS	
VAPORIZATION EQUIP LNG VAPORIZERS - OTHER COSTS	
VAPORIZATION EQUIP DIST OF ENG ETC SPREAD COSTS TO 807123	JUL 80
VAPORIZATION EQUIP IRD MECH-3 MECHANALYSIS MACHINE MON	
VAPORIZATION EQUIP ODORIZING FACILITIES	FEB 77
VAPORIZATION EQUIP FAB & INSTL ODORIZING SYSTEM	SEP 80
VAPORIZATION EQUIP INSTALL ODORIZING SYSTEM	

MAR 8:
MAY 8:
OCT 8:
MAR 8:

[illegible]

GROUNDING	JUN 78
MAIN SWITCHGEAR	SEP 80
TRANSFORMERS	AUG 81
CABLE, WIRE, CONDUIT & FITTINGS	AUG 81
MOTOR CONTROL CENTRE	JUL 81
NEDCO-VR39199	AUG 81
VAPOURIZER EQPT RELOC - MOTOR STARTERS	APR 82
COMMUNICATIONS CABLE	AUG 82
TRI-METAL FAB. TERMINATION BOX	FEB 83
NEDCO-JUNCTION BOXES	JUL 83
UPGRADE ELECTRICAL GROUNDING	
ELECT/INSTR CLEAN-UP	
VAN HORNE ELECTRIC-ELECTRIC EQPT	
INSTALL INSULATORS - UNDERTANK CONDUITS	
MISCEL ELECTRICAL UNDER \$2000	
PIRELLI CABLES-POWER CABLES	
ELECT/INSTR CLEAN-UP	
PHILIPS CABLE- BARRIER GLANDS	
EB HORSMAN- ELECTRICAL CONDUIT	
NORAMCO WIRE & CABLE -TECK CABLE	
VAN HORNE-EXPLOSN PROOF COMB STARTR	
ELECT/INSTR CLEAN-UP	
NEDCO-ELECTRICAL MATERIAL	
RETIRE ELECTRICAL EQUIP	
DISMANTLING	

OTHER EQUIP
OTHER EQUIP
OTHER EQUIP

FOAM GLASS INSULATN & ALUMINUM CLADDING MAY 8:
EQUIPMENT & PIPING PAINTING
EQUIPMENT FOUNDATIONS

OTHER EQUIP
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MISCELLANEOUS EQUIPMENT	
MISCEL PURCHASES ON LPO	FEB 79
MINOR EQPT CHANGES	
PLANT & MEASUR-MINOR PLANT <\$1000	AUG 80
A.R. THOMSON LTD.	MAR 87
MINOR PLANT ADDITIONS	

[illegible]

NITROGEN GENERATOR
 BOIL-OFF COMPRESSOR
 GAS PUMP - TANKER LOADING STATION
 RETIRE TANKER LOADING STATION PUMP
 TEMP ALARMS-PUMP BEARINGS
 LNG TANKER LOADING STATION CHANGES
 TANKER LOADING STATION CHANGES
 REPRESSURIZING LINE/IMMERSION HEATER
 IMMERSION HEATER
 STAND-BY GENERATOR

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RETIRE PIPE & FITTINGS
PIPE & FITTINGS
PIPE DUCTS
SANDVIK CANADA-PIPING
ATLAS ALLOYS-PIPING
CROSSROADS IND-PIPING INSULATION
COMPLETE PIPING INSULATION
CROSSROAD IND-PIPE INSULATION
INSULATION
INSTALL PIPING
AXEL JOHNSON-PIPING
MISCEL PIPING UNDER \$2000
CROSSROAD IND-PIPE INSULATION
PURCH & PREFAB INTERCNTNG PIPING
AIR LIQUIDE CONS - DESIGN PIPING
TANKER LOADING-PIPING MOD'S
PURCH MAT PREFAB & INSTALL PIPING
PIPES, ELBOWS
GAS LINE RELOCATION
PIPING INSTALLATION
RETIRE PIPING

OTHER EQUIP
OTHER EQUIP
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OTHER EQUIP
OTHER EQUIP

PIPE RACK SUPPORTS
RETIRE PIPE RACK SUPPORTS
PLATFORM & LADDERS
DISMANTLE PIPE RACKS
INSTALL FOOTINGS & PIPE SUPPORTS

OTHER EQUIP
OTHER EQUIP

SAFETY VALVES
INSTRMNT TUBING, FITTINGS & VALVES

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CONTROL VALVES
CONTROL VALVES
VALVES
WESTERN ALLOYS-GATE VALVES
HOYLE IND-VALVE BODY
HOYLE-GATE VALVES, VALVE TAGS
WESLUND-FARRIS SAFETY-RELIEF VALVES
DONALDSON-CRYOGENIC BALL VALVES
HOYLE-MANUAL GLOBE VALVES ETC
HOYLE-10" POSI SEAL CRYOGENIC VALVE

OTHER EQUIP
OTHER EQUIP
OTHER EQUIP

DIST OF ENG ETC SPREAD COSTS TO 807123
REALLOCATION OF O/H
MISC ITEMS - METRIC CONVERSION

GAS
MAINLAND

227460: Mobile LNG Storage Tank
STORAGE TANK
VAPOURIZERS
MISC. FITTINGS & VALVES

227461: Portable LNG Trailers
LNG TRAILER - 6000 US GALLON
AMBIENT AIR VAPOURIZERS
LNG TRAILER - 6000 US GALLON
AMBIENT AIT VAPOURIZERS

Office Furniture and Equipment Inventory

Fraser Valley Gas

#1) General Offices

<u>Item</u>	<u>Quantity</u>
Double Pedestal Desks	76
Single Pedestal Desks	25
Standard Ergonomic Desks	7
Open Bookcases	49
Closed Bookcases	2
5 Drawer Lateral Filing Cabinet	1
4 Drawer Lateral Filing Cabinet	3
2 Drawer Standard Filing Cabinet	7
3 Drawer Standard Filing Cabinet	48
4 Drawer Standard Filing Cabinet	37
5' Tables	27
6' Tables	2
8' Tables	5
Credenzas	6
Stationery Cabinets	2
Coat Racks	25
Screens	81
Ergonomic Chairs	40
Sidechairs with Arms	30
Sidechairs without Arms	60
Arm Tilter Chairs with Arms	77
Runoffs	25
Garbage Cans	116
Drafting Table with Arm	4
Drafting Table without Arm	3
Drafting Stools	11
Typewriter Chairs	37
Stacking Chairs	70
3' Tables	5
Fridges	1
Desk Calculators	21
Pocket Calculators	19
Magnetic Boards	3
Typewriters	14
Desk Organizers	43
Typewriter Stands	7
Drafting Typewriter	1
Plate Map Carts	3
Word Processing Work Stations	3
Large Fans	2
Dictaphone	1
Fan Heaters (small)	16
Large Heater	1

#2) Cafeteria

Coatrack
Screen
Sidechair with Arms
Sidechair without Arms
Typewriter chair
Stacking chairs
4' Tables
Fridges
7 cu. ft. Freezer
Gas Stove
Microwave Oven
Coffee Wagon
34" x 34" Tables
Microwave Stand
Magazine Rack
Small Stationery Cabinet

1
1
3
1
1
13
1
1
1
2
2
1
5
1
1
1

#3) Executive Suite

Desk
Credenzas
55" Table
Sidechairs with Arms
Arm Tilter Chair
Bookcases
Coat Racks
Blackboard
Waste Paper Containers

1
1
1
6
1
2
1
1
1
2

#4) Conference Room

Projector Screens
Overhead Projector, Serial # 736134
Locking Cabinets
Easel
Magnetic Board
Television Dolly
Sidechairs with Arms
Garbage Cans

2
1
2
1
1
1
13
2

#5) Miscellaneous

Couch
Side Chairs with Arms
Coffee Table
End Table
Safe
Step Ladder
Bed

2
3
1
1
1
1
1
1

#5) Miscellaneous cont'd.

Side Chairs without Arms
Treatment Chair
Medical Supply Cabinet
Garbage Can
Bionaire Ecologizer
Electric Air Cleaner
Desk Top Ecologizer
Paper Shredder
Paper Cutter
Blackboard

1
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Simplex Timer
20" Toshiba Colour T.V., Serial #42456240
Kodak Carousel, Serial #161435
Panasonic VHS, Serial #I4HB00085
Chiron 35 mm Camera, Serial #374048
Kitstar Zoom Lens, Serial #100974
Pentax Camera, c/w Flash, Serial #6861106
Microfiche Readers
(Serial #45253, #43675, #11311, #23458, #23459)
Record Processor
Microfiche Control Unit, Serial #001
Micro Developer, Serial #9084
Microprinter, Serial #60560
Microfiche Reader/Printer, Serial #33105989
Metrotechs, #388 and #389
Overhead Projector, Serial #5238051
Stationery Cabinet 3' x 15" x 20"
Printer Table 32" x 32"
Printer Cabinet 28" x 30"
Cupboard 2' x 2'
Key Cabinet 18" x 16" x 28"
Computer Station 5' x 8'
Table 4'
Metal Cabinet 3 1/2 x 3
Stand 2'
Table 42"
Table w/drawer 3'
Cupboard 45" x 18" x 29"
Computer Stand 2' x 2' x 2 1/2'
Planning Work Counter 4 1/2' x 12'
Planning Work Counter 5' x 24'
Computer Stand 27" x 38"
Table 3'
Table 3 1/2'
Open Cabinet 4 1/2' x 15" x 1'
Small Stool w/wheels
JUN 600 POLAROID CAMERAS SN. E519751 NE, KSK 47027 NE, KSK 43711 NE,
KSK 47257 NE

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3

4 5

25 mm SIGNA-SOUND KODAK SLIDE PROJECTOR - ELECTROGRAPHIC 460, SN. 69771
35 mm KODAK PROJECTOR - ELECTROGRAPHIC III A, c/w 102-502 ZOOM LENSE
SN. 216254 25' EXT. COIL + LEATHER CASE

1
1

Table 16" x 42" x 30"
 Computer Stand 22" x 19"
 Organizer 8' x 2'
 Organizer 4' x 16" x 9"
 Metal Locking Cabinet 3' x 75"
 Table 30" x 30" x 27"
 Storage Shelves 41" x 42" x 30"
 Table 2' x 2'
 Cabinet Metal 6' x 3'
 CAD Units
 Graphic Table 3' x 3' x 2'
 Microfiche Card Cabinet
 Plotter
 Map Storage Cabinet 6' x 2 1/2' x 2 1/2'
 Plate Map Storage Cabinet 3' x 6' x 3'
 Metal Cabinet (mail slots) 33" x 20"
 Hanging Map Holder Unit
 Cabinet 4 1/2 x 2 1/2 x 2
 Filing Cabinet Lateral - 6 drawer
 Filing Cabinet Standard - 5 drawer (used for GCO & CMUO)
 Metal Cabinet - 2 drawer
 Filing Cabinet - 5 drawer (for GSO's)
 Microfiche File Cabinet
 Foreign Utility File Cabinet (14" x 34" x 20")
 Stand 30"
 Folding Chairs
 Stove
 Microwave
 Microwave Stand - 2' x 3 1/2'
 METROTECH GAUGE 810A - BCH390 SN. C06750, BCH 391 SN. C06706
 BCH 394 SN. C10102, BCH 404 SN. 011280

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OFFICE FURNITURE INVENTORYLOCHBURN1. General Offices

<u>ITEM</u>	<u>QUANTITY</u>
Double Pedestal Desks	203
Single Pedestal Desks	125
Standard Ergonomic Desks	30
Superior Ergonomic Desks	35
Bookcases/Open	177
Bookcases/Closed	21
2-Drawer Large Filing Cabinets	2
3-Drawer Lateral Filing Cabinets	96
4-Drawer Lateral Filing Cabinets	13
2-Drawer Standard Filing Cabinets	54
3-Drawer Standard Filing Cabinets	81
4-Drawer Standard Filing Cabinets	194
5-Drawer Standard Filing Cabinets	6
5' Tables	75
6' Tables	41
7' Tables	1
8' Tables	51
Credenzas	35
Stationery Cabinets	105
Coat Racks	84
Screens	394
Ergonomic Chairs	80
Side Chairs w/arms	88
Side Chairs w/o arms	362
Arm Tilter Chairs	269
Runoffs/Desk Height	36
Runoffs/Typewriter Height	32
Waste Paper Containers	384
Map Filing Cabinets	26
Records Filing Cabinets	62
Standard Drafting Tables w/arms	17
Superior Drafting Tables w/arms	12
Drafting Stools	57
Typewriter Chairs	73
Stacking Chairs	147
3' Tables	42
4' Tables	13
Round Tables 3-4' diameter	5
Fridges (7 small, 1 medium and 2 regular sizes)	10

Maps Hanging Drawing Files	2
Hanging Map Files	22
Fans	20
Heaters	14
Map Holders	17
Desk Organizers	104
Typewriter Stands	12
Microfiche Card Cabinets	7
Bulletin Boards	12
Drafting Lamps	6
Map Filing Cabinets	5
Electronic/Memory Typewriters	7
Selectric Typewriters	24
Desk Calculators	21
Pocket Calculators	150
Dictaphones	33

3. Executive Suites

Desks	11
Credenzas	16
5' Tables	2
Round Tables	7
Side Chairs w/arms	50
Arm Tilter Chairs	10
Bookcases	14
Coat Racks	5
Waste Paper Containers	11
Ergonomic Chairs	1
4-Drawer Standard Filing	3
2-Drawer Filing Cabinet	1

4. Miscellaneous

Single Pedestal Desk w/two Dispatch Wheels	6
and Screens	2
Microfilm Printer/Processor	4
Microfiche Readers	6
8' Shelving Units	1
8' Sorter Box	24
7' Bookcases/Open	5
10' Tables	6
Reader/Printers	4
Conference Room Tables	3
Tables with O/H Lights (Mail)	6
Wall Map Units	4
C.A.D. Units	2
Desk Top Drafting Tables	2
Lighted Drafting Tables	1
Dietzgen Blue Printer	3
Blue Printer	2
Vinyl Couches	1
Chesterfield	1
Rollaway Cot	11
Tables 3' diameter	1
15' Bookcases (glass enclosed)	1
Information Stand	1
Reception Desk Unit	1
Small Vault	1
14-Drawer Filing Unit (Planing)	1
Trophy Case	3
Microwave Ovens	1
Piano with stool	1
Library Card Index File Cabinet	1
Table Lamp	3
Stepladders	10
Stools	6
Black boards	16
White Boards	14
Map Stands for Plate Maps	3
Shredders	1
Photocopier	1
35mm Nikon Camera with 2 Lenses	
serial No: FE 3209201	1
Polaroid Black & White Camera	
Model EE 100 (special)	1
Polaroid Black & White Camera	
Model 440.	

5. CAMERAS AND RELATED EQUIPMENT

<u>ITEM</u>	<u>STORAGE LOCATION</u>	<u>SERIAL NUMBER</u> <u>REMARKS</u>
1 - 35 mm Pentax ME Camera with 1:2 Lens and Plastic case	Quality Control Office Locker	Body: 1643947 Lens: 4803852
1 - 35 mm Camera Type: Pentax Model: Zoom-70	Personnel & Labour Relations	Ser. 5400160
1 - SMC Pentax-M Zoom Lens 1:2.8 @ 35 mm to 1:3.5 @ 70 mm	Quality Control Office Locker	Ser. No. 7089580
1 - TZ/1 electronic Thyristor Zoom Flash, (Hanimex); and Red, Blue & Green Filters	Quality Control Office Locker	Code No: 123110
1 - Panagor Zoom Slide Duplicator. (To Fit Pentax ME Body)	Quality Control Office Locker.	
1 - Argus MD 6500 Camera Tripod.	Quality Control Office Locker	Code: AM 65007
2 - Sun 600 Polaroid Instant	Tech. Support - Lochburn Metro	K5X 43762 NE E5Q 02907 NE K5X 47250 NE E5M 9687 NE
2 - Sun 600 Polaroid instant		

6. 3/4" VIDEO EQUIPMENT

2 - 3/4" A.V. Cassette Record/Players Panasonic 1 model NV 2120 K 1 model NV 2110 M	Training Room (Machine Shop)	BCH 18972 BCH 18563
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1 - 18" B&W T.V. Monitor Panasonic Model TR 195 W	Training Room (Machine Shop)	FH 6150015
1 - 19" Colour T.V. Electrohome Model: CCT-5	Training Room Machine Shop	BCH 18564
1 - UTR/CCTV B&W Camera Panasonic Model: WV341 P	Training Room Locker	BCH 16971
1 - 20" Colour T.V. Panasonic Model PC-2033	Training Room (Machine Shop)	PQ 3364342
1 - Hitachi 14" Colour T.V. Model CT1342X	Personnel & Labour Relations	Ser. 561010147
1 - Camera Tripod (Video) Panasonic Model VP-4	Training Room Locker	
1 - Video Camera Tripod & Dolly. Type Quick Set & Husky	Training Room Locker	
1 - Deck Microphone Type: Panasonic Model: WM 1240 P	Training Room Locker	
1 - Tie-Tack Lapel Microphone Type: Belfin Model: 6485	Training Room Locker	
1 - UHF-F Connector Cable	Machine Shop Training Room	
1 - 20" Colour T.V. w/Remote Control Panasonic Model No. PC 20M52R	Storage Room at Stds. & Quality Control Office	Ser.No: AB52920617
 7. <u>1/2" VIDEO EQUIPMENT</u>		
1 - Sony (Beta) Player/Recorder Model SL-2300	Quality Control Office Lochburn	Model: SL-2300 Ser: 27789
1 - Panasonic VHS Player/Recorder Model PV1230-K	Quality Control Lochburn	Ser. H4SA80398
1 - Mitsubishi VHS Model HS-338UR	Personnel & Labour Relations	Ser. HS-338UR 002448

8. 16 mm MOVIE PROJECTORS

1 - 16 mm Movie Projector
Type: Singer
Model: Instamode 16
c/w Remote Speaker.

Training Room Locker
(Machine Shop)

BCH 16990

1 - 16 mm Movie Projector
Type: Bell & Howell
Model: 1592 C
c/w Remote Speaker

Quality Control
Office Locker

Colour Green

1 - 16 mm Movie Projector
Type: Bell & Howell
Model: 2592 A
c/w Remote Speaker.

Training Room Locker
(Machine Shop)

Ser: TG 36957
Colour: Green

9. 35 mm SLIDE PROJECTORS

1 - Kodak Slide Projector
Model Carousel 750H

Personnel &
Labour Relations

Ser. 2902265

1 - 35 mm Slide Projector
Type: Kodak
Model Carousel 800

Welding Shop
Lochburn

Ser: 527790
B.C.H. 12996

1 - 35 mm Sight-Sound
Slide Projector
Type: Singer
Model: Caramate 3300

Quality Control
Office

Ser: 26908 A

1 - 35 mm Projector
Type: Kodak
Model: Ectographic
AF-2, c/w Zoom Lens,
Extension Cord, &
Leather Case.

Quality Control
Office Cabinet

Ser: 29306597

1 - 35 mm Projector
Type: Kodak
Model: Ectographic
AF-2, c/w Zoom Lens,
Extension Cord, &
Leather Case.

Quality Control
Office Cabinet

Ser: 5016654

1 - 35 mm Sight-Sound
Slide Projector.
Type: Singer
Model: Caramatic 3300

Quality Control
Office Cabinet

Ser: 60438 A

1 - 35 mm Slide Projector
Type: Kodak 750H
c/w 4"-6" Zoom Lens,
25' Ext. Cord &
Leather Case.

Safety - Lochburn

Ser: 2902265
BCH No: 16989

10. 8 mm VIDEO EQUIPMENT

1 - Sony Video Camera
c/w carrying case

Lochburn

11. OVERHEAD PROJECTORS

1 - Overhead Slide
Projector
Type: Elmo
Model: HP L355

Personnel &
Labour Relations

Ser. 950830

1 - Overhead Projector
Type: Buhl Koolite

Customer Service
Training Room

BCH 12774/66

1 - Overhead Projector
Model: 3525
Type: American Optical

Customer Service
Training Room

Ser: 8909
TO DISPOSAL

1 - Overhead Projector
Type: Bell & Howell
Model: 301 LA

Training Room
Machine Shop

Ser: 1063070
Colour Grey

1 - Overhead Projector
Type: Bell & Howell
Model: 301 LA

Customer Service
Training Room

Ser: 1040067
Colour Grey

1 - Overhead Projector
Type: Bell & Howell
Model: 3870 A

Training Room
Machine Shop

Ser: TG.56701

1 - Overhead Projector
Type: Bell & Howell

Training Room
Machine Shop

Ser: TG.56700

12. MISCELLANEOUS AUDIO VISUAL EQUIPMENT

1 - Portable Podium
Type: Lectarnette
Model: L.3AB
c/w Built-in Amplifier
and Microphone.

Training Room Locker
Machine Shop

1 - Wooden Speaker's
Podium c/with
Reading Light.

Training Room
Machine Shop

1 - Cassette Tape Recorder
Type: Panasonic
Model: RS 4605
c/w 2 Remote Dynamic
Microphones.
Model: WM 2264

Quality Control
Machine Shop

1 - Realistic-Wireless P.A.
Model: 32-1225 R

Technical Support
Lochburn

Ser. CA361536

1 - Realistic-Wireless P.A.
Cat. No: 32-1225

Technical Support
Lochburn

13. MISCELLANEOUS PROJECTION EQUIPMENT

1 - 35 mm Film Strip
Projector.
Type: Associated

Training Room
Locker

Ser: P. 116037

1 - Hand-held 35 mm
Slide Viewer
Type: Sawyer
Model: Pan Ac I

Quality Control
Office Locker

Battery Power

1 - Hand-held 2" x 2"
Slide Viewer
Type: Panasonic
Automatic R.

Quality Control
Office Locker.

Battery Power

1 - Hand-held 2.1/2" x 2.1/2"
Slide Viewer
Type: BAIA Auto Slide
Viewer 900

Training Room
Machine Shop

14. MISCELLANEOUS EQUIPMENT

1 - Ultrasonic
Thickness Gauge
Type: TM-2
Case
Ser: 1025

Quality Control
Office Locker

Battery Power
c/w Carrier &

1 - Metrotech Gauge
Model: 810 A

Quality Control
Offices Locker

Ser: 006604
c/w Case

1 - Ultrasonic Gauge
T Mike
c/w Charger &
case

Quality Control
Lochburn

Ser: 1233
Battery Power

1 - Metrotech Gauge
Model: 810 A

Metro

BCH 406
Ser: 011158

7 - Screens

Lochburn

1 - HARRIS 3M FA
MODEL 696 TYPE AG

VICTORIA
JAN/88

SER: 371369

LNG PLANTITEMQUANTITY

Double Pedestal Desks
 Single Pedestal Desks
 3' Tables
 4' Tables
 6' Tables
 6' Kitchen Table (2 leaves)
 Drafting Table
 Coffee Table
 Side Chairs
 Kitchen Chairs
 Arm Tilter Chairs
 Drafting Stools
 Steno Chair
 2-Drawer Lateral Filing Cabinets
 4-Drawer Lateral Filing Cabinets
 3-Drawer Standard Filing Cabinets
 4-Drawer Standard Filing Cabinets
 5-Drawer Standard Filing Cabinets
 Credenza
 Map Holder
 White Board
 Bookcases - Open
 Bookcases - Closed
 Coat Racks
 Garbage Cans
 Lockers
 Work Benches

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Cot - First Aid

VCR - JVC Electric

JVC - MODEL HR 7200 TL

Commodore Video Monitor

COMMODORE - MODEL 1702

1
 1 --- # 099N 2578
 1 --- # 13819430

Trailers & Special Equipment

LUNCHROOM TRAILER

OFFICE TRAILER

COMPRESSOR

OFFICE TRAILER-(UNIDENTIFIED)

FLATDECK TRAILER

DOUBLE TANK TRAILER

OFFICE TRAILER

UTILITY TRAILER

LNG TRAILER

LNG TRAILER

POLE/REEL TRAILER

PIPE/REEL TRAILER

P E PIPE TRAILER

POLE/REEL TRAILER

GV FUEL TRAILER

P/E PIPE TRAILER

1 56 VEHT103
 2 56 VEHT105
 3 57 220379
 4 72 56121113
 5 73 VEHT569
 6 75 VEHT636
 7 76 8516046
 8 76 VEHT661
 9 80 VEHT761
 10 82 VEHT967
 11 84 VEHT246
 12 84 VEHT245
 13 84 VEHT024
 14 84 VEHT247
 15 85 VEHT319
 16 85 VEHT330

LE ROI
 KNIGHT
 GARBALLY
 CLEANAIR
 FABCO
 ROADRUNNER
 HOMEMADE

Instrument Shop Equipment

ANALOG TRANSDUCER

II COMPUTER

EXTERNAL DISK DRIVE

EXTERNAL DISK DRIVE

DATA BASE II

OUT BOX

URATOR

POWER SUPPLY

AL CALIBRATOR

AL CALIBRATOR

DIGITAL CALIBRATOR

DIGITAL MANOMETER-MODEL 5010

DIGITAL MANOMETER-MODEL 6004

DIGITAL MANOMETER-MODEL 6004

DIGITAL MANOMETER-MODEL 6004

DIGITAL MANOMETER-MODEL 6004

DIGITAL MANOMETER-MODEL 6004

DIGITAL MANOMETER-MODEL 6004

DIGITAL MULTIMETER

DIGITAL MULTIMETER

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DIGITAL MULTIMETER

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DIGITAL MULTIMETER

DIGITAL PRESSURE GAUGE

DIGITAL PRESSURE GAUGE

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DIGITAL PRESSURE GAUGE

DIGITAL PRESSURE GAUGE

DIGITAL PRESSURE GAUGE-200/400G

DIGITAL TACHOMETER

DIGITAL THERMOMETER

LOW RECORDER

FREQUENCY COUNTER

IMPEDANCE METER

LOGIC PULSOR

MANOMETER

MANOMETER

METRIC WEIGHT SET

METRIC WEIGHT SET

METRIC WEIGHT SET

METRIC WEIGHT SET

MICRO PROCESSOR

MICROSYSTEM EPROM

	1 78
	2 82
	3 82
	4 82
	5 83
IS161	6 87
IS113	7 83
IS 13	8 80
IS 44	9 77
IS 83	10 78
IS 83	11 80
IS155	12 87
IS146	13 86
IS156	14 87
IS157	15 87
IS158	16 87
IS159	17 87
IS160	18 87
	19 80
IS 80	20 80
IS109	21 85
IS109A	22 85
IS110	23 85
IS110B	24 85
IS 67	25 79
IS 92	26 81
IS 92A	27 81
IS 92B	28 81
IS 93	29 81
IS 93A	30 81
IS 93B	31 81
IS107	32 82
IS107B	33 82
IS107A	34 82
IS 69	35 79
IS 96	36 82
IS 38	37 80
IS111	38 79
IS 76	39 80
IS 66	40 77
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DATA COM NW

PROMAC

HEW PACKARD

TRANSMATION

TRANSMATION

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ONO SOKKI

KANE-MAY

BRISTOL

DYNASCAN CC

ELECTRO SCT

HEW PACKARD

OBILE SCOPE
 ILLOGRAPH
 MATIC DEAD WEIGHT TESTER
 TIC PRESSURE TESTER
 TIC PRESSURE TESTER
 RTABLE OSCILLOSCOPE
 PORTABLE RECORDING MULTICORDER
 PRECISION GAUGE
 ECISION GAUGE
 RESSURE GAUGE
 PRESSURE GAUGE 0-100
 RESSURE GAUGE 0-1000
 RESSURE GAUGE 0-300
 PROMAC CALIBRATOR
 TORAGE OSCILLOSCOPE
 SWEEP/FUNCTION GENERATOR
 TEMPERATURE BATH
 TEMPERATURE BATH
 TEMPERATURE BATH
 TEMPERATURE BATH
 TEMPERATURE BATH
 TEST GAUGE-6" DIAL
 TEST GAUGE-6" DIAL
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 TEST GAUGE-6" DIAL
 TEST GAUGE-6" DIAL
 TESTER
 TWO PEN FLAT BED RECORDER
 VALVE POSITIONER
 VALVES, PLUGS, RELAYS
 VARIABLE VOLUME PRESSURE CONTROLLER
 WELDING OUTFIT
 SOLVENT SPRAY BOOTH
 MULTI FUNCTION CALIBRATOR

	49 77
	50 76
	51 80
IS 70	52 78
IS141	53 85
IS100	54 82
IS112	55 83
	56 81
	57 81
IS 77	58 82
	59 79
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	61 79
	62 82
	63 84
IS 97	64 78
IS115	65 84
IS116	66 82
IS117A	67 79
IS117B	68 80
IS120	69 87
	70 76
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AMATEK

TEKTRONIX
 SIMPSON

ROYLYN

TEKTRONIX
 DYNASCAN CO
 HAAKE
 HAAKE
 POLYTEMP
 POLYTEMP
 HAAKE
 ROYLYN
 ROYLYN
 ROYLYN
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 ROYLYN
 ROYLYN

ROYLYN
 ROYLYN

JJ LLOYD

Laboratory Equipment

MILLIVOLT VARIAN RECORDER

POWERLINE 24BV8D

#1 S.S. SAMPLE CYLINDERS-1 US GAL

S.S. SAMPLE CYLINDERS-1 US GAL

S.S. SAMPLE CYLINDERS-1 US GAL

S.S. SAMPLE CYLINDERS-1 US GAL

#5 S.S. SAMPLE CYLINDERS-1 US GAL

PORTABLE GAS CHROMATOGRAPH MODEL 511-01-07/09

FLAME PHOTOMETRIC ANALYSIS DETECTOR

PORTABLE RECORDER-BATTERY OPERATED MODEL 210-6004

MICROSCOPE NIKON SMZ.2 STEREO ZOOM

DAVIS ODORTESTER

DAVIS ODORTESTER

GAS CHROMATOGRAPH MDL350 GENERATOR

GAS CHROMATOGRAPH MDL350 GENERATOR

ANALYTICAL BALANCE

PORTABLE HYGROMETER

ODORMETER

SHIMADZU R-111 STRIP CHART RECORDER

SHIMADZU GC9A NATURAL GAS CHROMATOGRAPH

MATHESON STAINLESS STEEL 2 STAGE GAS REGULATOR

MATHESON STAINLESS STEEL 2 STAGE GAS REGULATOR

MATHESON STAINLESS STEEL 2 STAGE GAS REGULATOR

CURRENT LOOP INTERFACE

SHIMADZU CHROMATOPAC C-R3A INTEGRATOR

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L.N.G. Plant (Tilbury Island)

AUDIO VIEWER 210-KODAK
 830 HOUSING-EXPLOSION PROOF
 830 HOUSING-EXPLOSION PROOF
 830 HOUSING-EXPLOSION PROOF
 830 J.W. CONTROL
 02 INFRARED ANALYSER - MODEL 864
 LUFFING HOIST WITH 15' LIFT
 ELECTROL DISTRIBUTORS-PYL LEBST 120...
 AS DETECTOR
 AS DETECTOR-J.W.MDLH 501-003
 GREEN MACHINE-MODEL 4000
 HEADSETS FOR PORTABLE RADIOS
 HYDRAULIC PRESS CLEANING EQUIPMNT
 HYDRAULIC PRESS-MAINTENANCE COMPRESSOR
 IMPACT WRENCH-DESOUTER
 INSTRUMENT MANIFOLD
 METHANE ELEMENT-80008010
 METHANE ELEMENT-80008010
 METHANE ELEMENT-80008010
 MOTOR - 3HP, 900 RPM XP
 OXYGEN ANALYZER-MODEL K
 OXYGEN DETECTOR ALARM
 RANGE
 REFRIGERATOR - 13CU FROST FREE
 SECURITY CAMERA
 SECURITY CAMERA - SERVICE ER 659
 SET OF WRENCHES
 TELEPHONE SET
 TELEPHONE SET
 TELEPHONE SET
 TOOL SET
 TORQUE WRENCH
 TRACTOR - 1200 MOWER
 DRY CHEMICAL UNIT #3000 ANSUL
 INTRINSICALLY SAFE RADIO HEADSETS
 VIBRATION ANALYZER AND RECORDER

1 81
 2 77
 3 77
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 11 79
 12 87
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 14 83
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 16 73
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BECKMAN

FLECK BROS.

SEARS
 MOFFAT
 PANASONIC
 MASTER TV SV
 ARMSTRONG
 NORTH'ELECTF
 NORTH'ELECTF
 NORTH'ELECTF
 ARMSTRONG

1394

FORD
 CLIPPER

Telephone & Telecounting Equipment

DESKON C/W TELEPHONE HANDSET
 EXPRESS TELEPHONE SYSTEM(GAS LOAD CONTROL ROOM)
 TELEPHONE SYSTEM SL-1MS(CAPITAL LEASE)
 -SECRETARIAL ANS. UNITS
 -STATION MESSAGE DETAIL REORDING
 TAPE RECORDING SYSTEM

1 72
 3 86
 4 86
 5 86
 6 86
 7 87

RADIOS & RADIO EQUIPMENT
RADIO EQUIPMENT

METRO GAS MOBILE RADID EQUIPMENT

MFR STYLE NO	MFR MODEL NO	VEH NC
MASTR PRO	MT56TFS66	4377
MASTR PRO	MT56TFS66	KIT
MASTR PRO	MT56TFS66	5893
MASTR PRO	MT56TFS66	5596
MASTR PRO	MT56TFS66	5595
MASTR PRO	MT56TFS66	5894
MASTR PRO	MT56TFS66	SPARE
MASTR PRO	MT56TFS66	189W
MASTR PRO	MT56TFS66	209W
MASTR PRO	MT56TFS66	SPARE
MASTR PRO	MT56TFS66	5725
MASTR PRO	MT56TFS66	SPARE
MASTR PRO	MT56TFS66	3804
MASTR PRO	MT56TFS66	4802
MASTR PRO	MT56TFS66	3358
MASTR PRO	MT56TFS66	SPARE
MASTR PRO	MT56TFS66	5633
MASTR	MT56TFS66	5732
MASTR PRO	MT56TFS66	5436
MASTR	MT56TFS66	SPARE
MASTR PRO	MT56TFS66	SPARE
MASTR PRO	MT56TFS66	6164
MASTR PRO	MT56TFS66	5884
MASTR PRO	MT56TFS66	2502
MASTR PRO	MT56TFS66	SPARE
MASTR PRO	MT56TFS66	198W
MASTR PRO	MT56TFS66	SPARE
MASTR PRO	MT56TFS66	5714
MASTR PRO	MT56TFS66	358X
MASTR PRO	MT56TFS66	4376
MASTR PRO	MT56TFS66	SP
MASTR	MT56TFS66	6165
MASTR PRO	MT56TFS66	211W
MASTR PRO	MT56TFS66	6148
MASTR PRO	MT56TFS66	2499
MASTR PRO	MT56TFS66	6352
MASTR PRO	MT56TFS66	4789
MASTR PRO	MT56TFS66	KIT
MASTR PRO	MT56TFS66	3366
MASTR PRO	MT56TFS66	KIT
MASTR PRO	MT56TFS66	379X
MASTR PRO	MT56TFS66	194W
MASTR PRO	MT56TFS66	4990

[illegible]

MT56TFS 66
MT56TFS66
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-32-

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[illegible]

4675.
SPARE
212W
4853
SPARE
6041
6360
210W
298W
5715
195W
SPARE
5313
5731
5427
4365
6019
5446
201W
SF
4804
5340
5425
192W
4992
4300
SF
4852
5523
SF
6122
6354
4869
5187
5722
SPARE
4989
5560
5635
4164
4855
383X
5728

MOCOM 70
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 EXEC 2
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 MASTR EXEC II
 MASTR EXEC II
 SPILLSBURY
 SPILLSBURY
 SPILLSBURY
 MASTR EXEC 2
 MASTR PRO
 MOCOM 70
 MASTR EXEC 2

CU33BBA-1900A
 CU33BBA-1900A
 CU33BBA-1900A
 CU33BBA-1900A
 CU33BBA-1900A
 CU33BBA-1900A
 CU33BBA-1900A
 RT56FCS56A
 RT56FCX56A
 RT56FCS56A
 RT56FCS56A
 RT56FCS56A
 RT56SCF 56A
 RT56FCS56A
 RT56SCF 56A
 RT56FCS56A
 RT56FCX56A
 RT56FCS56A
 RT56FCS56A
 RT56FCS56A
 RT56FCS56A
 RT56FCS56A
 RT56KHS66A
 RT56FCS56A
 RT56FCS56A
 RT56FCS56A
 RT56FCS56A
 RT56FCS56A
 FMS1600
 FMS1600/1606
 FMS1600/1606
 FMS1600
 RT56FFS66A
 MTE6TFS66
 CU33BBA-1900A
 RT56KHS56A

SPARE
 5597
 376X
 5895
 6567
 5525
 5852
 SPARE
 4844
 4838
 5151
 KIT
 4953
 SPARE
 4952
 KIT
 6319
 4676
 KIT
 4840
 4856
 4843
 SPARE
 SPARE
 5244
 4839
 6351
 SPARE
 6021
 PRIV2
 5567
 SPARE
 4354
 6357

FRASER VALLEY GAS MOBILE RADIO EQUIP.

MFR STYLE NO

MFR MODEL NO

VEH NO

[illegible][illegible]

5346

SFARE

MASTER PRO
MOCOM 70
MOCOM 70
MOCOM 70
MASTER PRO
MOCOM 70
MOCOM 70
MOCOM 70
MOCOM 70
MASTER PRO
MASTER PRO
MASTER PRO
MASTER PRO
MASTER PRO
MASTER PRO
MOCOM 70
MASTER PRO
MASTER PRO
MASTER PRO
MASTER PRO
MASTER PRO
MASTER EXEC 2
MASTER PRO
MOCOM 70
MOCOM 70
MOCOM 70
MASTER EXEC 2
MOCOM 70
MITREK

CU33BBA 1900A
CU33BBA 1900A
CU33BBA 1900A
MT56TF566
CU33BBA 1900A
CU33BBA 1900A
CU33BBA 1900A
CU33BBA 1900A
CU33BBA 1900A
MT56TF566
MT56TF566
MT56TF566
MT56TF566
MT56TF566
MT56TF566
CU33BBA 1900A
MT56TF566
MT56TF566
MT56TF566
MT56TF566
RT56KHS66A
MT56TF566
CU33BBA 1900A
CU33BBA 1900A
CU33BBA 1900A
RT56KHS66A
CU33BBA 1900A

4579

499E

3330

MASTR PRO	MT56TFS66	5569
MASTER PRO	MT56TF566	6128
MASTER PRO	MT56TF566	5841
MASTER PRO	MT56TF566	5130
MOCOM 70	CU33BBA-1900A	5593
MOCOM 70	CU33BBA 1900A	4570
MOCOM 70	CU33BBA 1900A	4681
MASTER EXEC 2	RT56KHS66A	5308
MASTER EXEC 2	RT56KHS66A	5245
MASTER EXEC 2	RT56KHS66A	5754
MASTER EXEC 2	RT56KHS66A	4825
MASTER EXEC 2	RT56KHS66A	5129
MASTER EXEC 2	RT56KHS66A	4820
MASTER EXEC 2	RT56KHS66A	5634
MASTER EXEC 2	RT56KHS66A	6176
MASTER EXEC 2	RT56KHS66A	5750
MASTER EXEC 2	RT56KHS66A	5619
MASTER EXEC 2	RT56KHS66A	5342
MASTER EXEC 2	RT56KHS66A	5592
MASTER EXEC 2	RT56KHS66A	5240
MASTER EXEC 2	RT56KHS66A	5233
MASTER EXEC 2	RT56KHS66A	5241
EXEC 2	RT56KHS66A	5234
MASTER EXEC 2	RT56KHS66A	5166
MASTER EXEC 2	RT56KHS66A	4950
MASTER EXEC 2	RT56KHS66A	5343
MASTER EXEC 2	RT56KHS66A	5236
MASTER EXEC 2	RT56KHS66A	5355
MASTER EXEC 2	RT56KHS66A	4057
MASTER EXEC 2	RT56KHS66A	4542
MOCOM 70	CU33BBA 1900A	3932
MOCOM 70	CU33BBA 1900A	4254
MOCOM 70	CU33BBA 1900A	4993
MOCOM 70	CU33BBA 1900A	4524
MOCOM 70	CU33BBA 1900A	6167
MOCOM 70	CU33BBA 1900A	6174
MOCOM 70	CU33BBA 1900A	4555
MOCOM 70	CU33BBA 1900A	5934
MOCOM 70	CU33BBA 1900A	5539
MOCOM 70	CU33BBA 1900A	5650
MOCOM 70	CU33BBA 1900A	6023

HM 70	CU33BBA 1900A	4526
MOCOM 70	CU33BBA 1900A	4251
MASTER PRO	MT56TF566	4523
MASTER PRO	MT56TF566	4535
MASTER PRO	MT56TF566	6175
MASTER PRO	MT56TF566	5617
MASTER PRO	MT56TF566	6364
MASTER PRO	MT56TF566	6363
MASTER PRO	MT56TF566	6156
MASTER PRO	MT56TF566	3870
MASTER PRO	MT56TF566	6317
MASTER PRO	MT56TF566	5632
MASTER PRO	MT56TF566	6179
MASTER PRO	MT56TF566	5352
MASTER PRO	MT56TF566	3931
MASTER PRO	MT56TF566	4537
MASTER PRO	MT56TF566	6177
MASTER PRO	MT56TF566	SP
MASTER PRO	MT56TF566	4674
MASTER PRO	MT56TF566	4532
MASTER PRO	MT56TF566	4165
MASTER PRO	MT56TF566	5335
MOCOM 70	CU33BBA 1900A	5437
MOCOM 70	CU33BBA 1900A	5972
MOCOM 70	CU33BBA 1900A	6182
MOCOM 70	CU33BBA 1900A	6017
MOCOM 70	CU33BBA 1900A	5755
MASTER EXEC 2	RT56KHS66A	6162
MOCOM 70	MT56TF566	5923
MASTER PRO		

MOB06134

MITREK

GAS DIVISION PORTABLE RADIO EQUIP.

MAJ-COMP	SUB-COMP	MFR STYLE NO	MFR MODEL NO
	PBL00507	PM	HN36LCS66
VHF	PBL00508	PM	HN36LCS66
VHF	PBL00509	PM	HN36LCS66
VHF	PBL00510	PM	HN36LCS66
VHF	PBL00511	PM	HN36LCS66
VHF	PBL00526	MX330	XH43AAU1120ASF1
VHF	PBL00527	MX330	XH43AAU1120ASF1
VHF	PBL00528	MX330	XH43AAU1120ASF1
VHF	PBL00599	PE	PE56KFSFGX
VHF	PBL00670	PEKFSFGX	PE56
VHF	PBL00671	PE	PE56KFSFGX
VHF	PBL00672	PE	PE56KFSFGX
VHF	PBL00673	PE	PE56KFSFGX
VHF	PBL00674	PE	PE56KFSFGX
VHF	PBL00675	PE	PE56KFSFGX
VHF	PBL00676	PE	PE56KFSFGX
VHF	PBL00677	PE	PE56KFSFGX
VHF	PBL00678	PE	PE56KFSFGX
VHF	PBL00679	PE	PE56KFSFGX
VHF	PBL00680	PE	PE56KFSFGX
VHF	PBL00681	PE	PE56KFSFGX
VHF	PBL00682	PE	PE56KFSFGX
VHF	PBL00683	PE	HN36LCS66
VHF	PBL00816	PM	HN36LCS66
VHF	PBL00817	PM	HN36LCS66
VHF	PBL00855	PM	HN36LCS66
VHF	PBL00858	PM	HN36LCS66
VHF	PBL00859	PM	HN36LBS66
VHF	PBL00860	PM	HN36LBS66
VHF	PBL00861	PM	HN36LCS66
VHF	PBL01410	PM	HN36LCS66
VHF	PBL01411	PM	HN36LCS66
VHF	PBL01418	PM	FSMTFLFBB
VHF	PBL06126	HCB	PE56KASAGX
VHF	PBL06161	PE	PE56KASAGX
VHF	PBL06162	PE	

FBL06137
FBL06138
FBL06139
FBL06140
FBL06141
FBL06142
FBL06143
FBL06144
FBL06145
FBL06146
FBL06147
FBL06148
FBL06149
FBL06150
FBL06151
FBL06152
FBL06153
FBL06154
FBL06155
FBL06156
FBL06157

[illegible][illegible]

46-

(VHF

RACK CONTAINING:

7- CARTONK BASE STATION CONTRLLERS.

Power Amplifiers

T.T.T INTERFACE CARDS.

JACK FIBLO PANEL.

F.V.

F.V. Gas Administration and Control Center - 16705 Fraser Hwy
Radio Equipment and Associated Auxiliaries

Customer Service

- 1 - GE Controller, Model 539S1B1. Ser. No. 3020403
- 1 - Challenger Encoder Model #KSE7 Ser. No. 160876-0
- 2 - Remote Control Units: 1 Motorola MT1380A Ser. No. R672CS
- 1 GE Deskon II 513B1B1 Ser. No. 5030466

Construction

- 1 - GE Controller, Model #539B1S1 Ser. No. 1030233
- 1 - Challenger Encoder Model KSE7 Ser. No. 160876-1
- 6 - Remote Control Units including:
 - 2 - GE Deskon II model 513B1B1 Ser. Nos. 5030463, 7030602
 - 2 - Motorola Model ST1380APL Ser. Nos. K803CZ, H824CB
 - 1 - SSC Model 801A-3-4 Ser. No. 10016
 - 1 - Motorola Model MT1380A Ser. No. R670CS
- 1 - ANI Base Display Unit, Ferritronics Type BDU - 2 Ser. No. 0064
- 1 - ANI Recorder Ferritronics Type PCU-5 Ser. No. 0104

LOC	MAJCOMP	SUBCOMP	MODEL#	STYLE#
BBY	VHFVGSMS	BSE	DT56RCS66	MASTER PRO
CBN	VHFVGSMS	BSE	DT56RCS66	MASTER II
FGO	VHFVGSMS	BSE	4ET58 / 4ER58	GE Model 206-24
HTN	VHFVGSMS	BSE	DT56RCS66	MASTER PRO
ING	VHFVGSMS	BSE	D656RCS66	MASTER PRO
LMC	VHFVGSMS	BSE	DT56KFS66	MASTER PRO
LOC	VHFVGSMS	BSE	SCYA56S56A	MASTER II
SMS	VHFVGSMS	RPTT	SCYA56S56A	MASTER II
SSC	VHFVGSMS	BSE	MICDR	
+--Command:			DT56RCS66	CGE MASTER PRO.
BBY	VHFVGSMS	BSE		MASTER PRO.
ING	VHFVGSMS	BSE		

Gas Supervisory System

LOCHBURN-GAS LOAD CONTROL CENTRE

- MAIN COMPUTER SYSTEM(COST IN SC#1)
- POWER SUPPLY BACKUP(COST IN SC#1)
- CONTROL CONSOLE(COST IN SC#1)
- VOICE COMMUNICATION SYSTEM(COST IN SC#1)
- IMPROVEMENTS/MODIFICATIONS

MAIN COMPUTER UPGRADE

DIGITAL TELEMETRY

BURRARD -TRANSDUCERS

-SCADA

-UPGRADE RTU'S

HUNTINGDON-TRANSDUCERS

-SCADA

-UPGRADE RTU'S

FRASER -TRANSDUCERS

-SCADA

-UPGRADE RTU'S

COQUITLAM -TRANSDUCERS

-SCADA

-MODIFICATIONS/UPGRADE RTU'S

PATULLO -TRANSDUCERS

-SCADA

-UPGRADE RTU'S

LOCHBURN -TRANSDUCERS

-SCADA

-UPGRADE RTU'S

CHILLIWACK-TRANSDUCERS

-SCADA

-UPGRADE RTU'S

L.N.G. -TRANSDUCERS

-SCADA

-UPGRADE RTU'S

MISCELLANEOUS EQUIPMENT

778051 SOUND LEVEL METER

787273 ACCELEROMETER

787273 INTEGRATOR ATTACH

787601 RECORDING RESUSCI DOLL

827054 LAB POWER SUPPLY CSA 660164

837034 KING #80 UNBIND MACHINE

CAFETERIA EQUIPMENT

LOCHSBURN

Cafeteria

3' Tables	27
5' Tables	2
8' Tables	2
Stacking Chairs	83
6' Storage Shelf	2
8' Storage Shelves	3
Foot stool	1
Old Cash Register	1
Fridges	2
Preparation/Work Tables	2
Freezer	1
2' Metal - 3 shelf table	2
Garbage Cans	2
Stove	1
Deep Fryer	2
Typing stand	1
Dishwasher Unit	1
3' metal cart with legs	1
2' metal cart with legs	1
Meat Slicer	1
Fan	1
Sink	1
Toaster	1
Trays	40
Stool	1
Ice machine	1

LNG Computer Equipment
PACKARD BELL VX88PC
VEN TEL MODEM

Misc Computer Equipment

IBM 3278/79 EMUL. ADAPT. PC/PS 30	#1
IBM 3278/79 EMUL. ADAPT. PC/PS 30	#2
IBM 3278/79 EMUL. ADAPT. PC/PS 30	#3
IBM 3278/79 EMUL. ADAPT. PC/PS 30	#4
IBM 3278/79 EMUL. ADAPT. PC/PS 30	#5
IBM 3278/79 EMUL. ADAPT. PC/PS 30	#6
IBM 3278/79 EMUL. ADAPT. PC/PS 30	#7
IBM 3278/79 EMUL. ADAPT. PC/PS 30	#8
IBM 3278/79 EMUL. ADAPT. PC/PS 30	#9
IBM 3278/79 EMUL. ADAPT. PC/PS 30	#10
IBM 3278/79 EMUL. ADAPT. PC/PS 30	#11
IBM 3278/79 EMUL. ADAPT. PC/PS 30	#12
IBM 3278/79 EMUL. ADAPT. PC/PS 30	#13
IBM 3270/78 EMUL. PR. ENTRY 1.2 3/5/6/8	#1
IBM 3270/79 EMUL. PR. ENTRY 1.2 3/5/6/8	#2
IBM 3278/79 EMUL. PR. ENTRY 1.2 3/5/6/8	#3
VEN TEL MODEM, HALFCARD 2400 BAUD	
PC MODEM, 2400 BAUD C/W GEORGE	
PC MODEM, 2400 BAUD C/W GEORGE	
PACKARD BELL VX 88F	#1
PACKARD BELL VX 88	#2
PACKARD BELL VX 88	#3
PACKARD BELL VX 88	#4
PACKARD BELL VX 88	#5
PACKARD BELL VX 88	#6
PACKARD BELL VX 88	#7
PACKARD BELL VX 88	#8
PACKARD BELL VX 88	#9
PACKARD BELL VX 88	#10
PACKARD BELL VX 88	#11
PACKARD BELL VX 88	#12
PACKARD BELL VX 88	#13
PACKARD BELL VX 88	#14
PACKARD BELL VX 88	#15

Micro Computer Systems	METRO	1 83	20000702	AB DICK
& REPEAT MICRO FICHE CAMERA	METRO	2 83	9073	AB DICK
MICROFICHE DEVELOPER 840	METRO	3 83	003	PULSAR
MICROFICHE MODIFICATIONS	METRO	4 83	60543	AB DICK
MICROFICHE DUPLICATOR-890 MICROPRINTER	METRO	5 83	23456	MICR COM SYS
MICRON 785 READER	DISPATCH-METRO	6 83	23457	MICR COM SYS
MICRON 785 READER	METER SHOP-METRO	7 83	90802989	BENNDORF-VER
CANON 370 READER/PRINTER	RECORDS ROOM-METRO	8 83	003	MLPI
PROTOCOL CONVERTER MODEL 478	METRO	9 83	229	INTERWORD
ZETA 8 COLOR GRAPHICS PRINTER	METRO	10 83	20000699	AB DICK
STEP & REPEAT MICROFICH CAMERA	FVGAS	11 83	9084	AB DICK
MICROFICHE DEVELOPER 840	FVGAS	12 83	60560	AB DICK
MICROFICHE DUPLICATOR-890 MICROPRINTER	FVGAS	13 83		PULSAR
MICRO MODIFICATIONS	FVGAS	14 83	23458	MICR COM SYS
MICRON 785 READER	FVGAS	15 83	23459	MICR COM SYS
MICRON 785 READER	FVGAS	16 83	001	MLPI
PROTOCOL CONVERTER MODEL 478	FVGAS	17 83	0201939	COMPUTERLANE
IBM-PC 64K MEMORY C/W 320K	GAS LOAD CONTROL	18 83		COMPUTERLANE
IBM-PC 320K DISK ADD ON	GAS LOAD CONTROL	19 83		COMPUTERLANE
IBM-PC MONOCHROME MONITOR	GAS LOAD CONTROL	20 83		COMPUTERLANE
IBM-PC IBM MONOCHROME	GAS LOAD CONTROL	21 83		COMPUTERLANE
IBM-PC PRINTER CABLE	GAS LOAD CONTROL	22 83		COMPUTERLANE
IBM-PC 64K BOARD	GAS LOAD CONTROL	23 83		COMPUTERLANE
IBM-PC ZEMTEK SERIAL	GAS LOAD CONTROL	24 83		COMPUTERLANE
IBM-PC MX-100 PRINTER	GAS LOAD CONTROL	25 83		COMPUTERLANE
IBM-PC DISK 10 WITH STORAGE	GAS LOAD CONTROL	26 83		COMPUTERLANE
IBM-PC SOFTWARE-WORDSTAR	GAS LOAD CONTROL	27 83		COMPUTERLANE
IBM-PC COMMUNICATION	GAS LOAD CONTROL	28 83		COMPUTERLANE
IBM-PC SOFTWARE-VISICALC(256K)	GAS LOAD CONTROL	29 88		COMPUTERLANE
IBM DOS 3.3	GAS SUPPLY PLAN	30 88		
MOUNTAIN 40MB EXT TAPE B/U	GAS SUPPLY PLAN	31 88		
DISPLAYWRITE 4	GAS SUPPLY PLAN	32 88		
LASER CONTROL 100 VERSION 2.2	GAS SUPPLY PLAN	33 88		
MS DOS SPF FCVI.82	GAS SUPPLY PLAN	34 88		
WORD PERFECT	GAS SUPPLY PLAN	35 88		
HP BUS MOUSE PS/2 V6.10	GAS SUPPLY PLAN	36 88		
IBM 2MB MEM EXP BD PS 50/60 (XMA)	GAS SUPPLY PLAN	37 88		
IBM PS2-50, 80286, 1/1 44 20MB	GAS SUPPLY PLAN	38 88		
IBM DISPLAY COLOR #8513, 12	GAS SUPPLY PLAN	39 88		
IBM 3270 CONNECT. ADAPT. 50/60/80	GAS SUPPLY PLAN	40 88		
IBM 2MB MEM. EXP. BD PS 50/60 XMA	GAS SUPPLY PLAN	41 88		
IBM DOS 3.30 5.25&3.50	GAS SUPPLY PLAN	42 88		
IBM 3270 WORK STATION PROG V1.0	GAS SUPPLY PLAN	43 88		
HP LASER JET SERIES II PRINTER	GAS SUPPLY PLAN	44 88		
HP FONT #92286N LETTER GOTHIC P&L	GAS SUPPLY PLAN	45 88		
HP FONT #92286N LETTER GOTHIC P&L	GAS SUPPLY PLAN	46 88		
IBM 3270 WORKSTATION PROG. V1.0	GAS SUPPLY PLAN	47 88		
PACKARD BELL VX 88F	GAS SUPPLY PLAN	48 88		
IBM 3278/79 EMUL. ADAPT. PC/PS 30	GAS SUPPLY PLAN	49 88		
IBM 3270 EMUL PR ENTRY 1.2 3/5/6/8	GAS SUPPLY PLAN	50 88		
SYSGEN BRIDGE FILE 5.25" EXT DRIVE	GAS SUPPLY PLAN	51 88		
SYSGEN PS/2 M50 ADAPTER CARD	GAS SUPPLY PLAN	52 88		
IBM PS2 5.25 360K EXT DD	GAS SUPPLY PLAN	53 88		
IBM 5.25 EXT DD ADAPT PS 50/60/80	GAS SUPPLY PLAN			

Job 706: Computer Assisted Mapping System
 INTEGRATED MAPPING SYSTEM

LOCHBURN	1 81
LOCHBURN	2 81
LOCHBURN	3 83
LOCHBURN	4 83
LOCHBURN	5 81
LOCHBURN	6 83
LOCHBURN	7 83
LOCHBURN	8 83
LOCHBURN	9 83
LOCHBURN	10 83
FV GAS	11 81
FV GAS	12 81
FV GAS	13 83
FV GAS	14 83
FV GAS	15 81
FV GAS	16 83
FV GAS	17 83
FV GAS	18 83

KAB0056584X

INTERGRAPH S
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43761

INTERGRAPH S
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 MEMOREX
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 INTERGRAPH S

INTEGRATED MAPPING SYSTEM

-SOFTWARE SET
 -1/4 MEGABYTE MEMORY
 -1/4 MEGABYTE MEMORY
 -160 MEG DISK DRIVE
 -300 MEG DISK DRIVE
 -300 MEG DISK DRIVE
 -GOLDEN 300 MB DISKPACK
 -GOLDEN 300 MB DISKPACK
 -GOLDEN 300 MB DISKPACK

INTERGRAPH S
 MEMOREX
 MEMOREX

.... CNG Compressors Equipment
 CNG PORTABLE STORAGE CASCADE #1
 -MODIFY AND INSTALL PIPING
 CNG PORTABLE STORAGE CASCADE #2
 CNG PORTABLE STORAGE CASCADE #3

1 84
2 84
3 84
4 84

TAG G426-T100

: CNG Fuelling System
 COMPRESSOR-TYPE NQSV2 NORWALK "CHARGER"
 LOP SHUTDOWN SWITCH
 PIPES, VALVES & FITTINGS
 COMPRESSOR-RIX HG3 HOM-GAS
 FOUNDATIONS
 SHELTER

1 85
2 85
3 85
4 85
5 85
6 85

AIRWAYS
 AIRWAYS
 AIRWAYS
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 BCH
 BCH

: CNG Home Compressors

HOME COMPRESSOR
HOME COMPRESSOR
HOME COMPRESSOR
HOME COMPRESSOR
HOME COMPRESSOR
HOME COMPRESSOR
HOME COMPRESSOR
HOME COMPRESSOR
HOME COMPRESSOR
HOME COMPRESSOR

. Stores Material, Capital

BRKN PIPE CLAMP
CAST SPLIT SLEEVE
CLAMP BELL JOINT
CLAMP 16X12 DNR
COUPLING 1-1/4 NPS
COUPLING 2 NPS
PIPE CLAMP 16X24
PIPE CLAMP 24X12 DNR
PIPE REF CLAMP 10X9
VALVE BALL 6" DNR
VALVE BALL 8" DNR
VALVE HYPERSEAL 2"
VALVE HYPERSEAL 4"
VALVE PLUG 1200KPA
VALVE TAPER PLUG BW
VALVE BALL 4" DNR

. Unfinished Construction

LINE BREAK SYSTEM - MISSION BRIDGE
UPGRADE GAS LOAD CONTROL COMPUTER
WORK IN PROGRESS (APPROX. 100 GEN'L WORK ORDERS)

. Inactive Utility Property

PATTULLO PEAK SHAVING PLANT, CONSISTING OF:
ABANDONED BUILDINGS (6)
YARD IMPROVEMENTS (FENCING, ETC.)
SITE DEVELOPMENT (PILINGS, ETC.)

Two Fisher 1" 310-32 Regulators
Two Fisher 2" 404 Relief Valves--

DISCLOSURE SCHEDULE 24
MAINLAND GAS
OWNED REAL ESTATE

PART I

ALL AND SINGULAR those certain parcels or tracts of land and premises situate, lying and being in the City of Vancouver in the Province of British Columbia, and more particularly known and described as:

1. Parcel Identifier: 009-116-788
Lot 1 Block 71 District Lot 264A Plan 11322

2. Parcel Identifier: 009-800-476
Lot 1 District Lots 258, 330, 2100 and 6320 Plan 8900

DISCLOSURE SCHEDULE 24
MAINLAND GAS
OWNED REAL ESTATE

PART II

ALL AND SINGULAR those certain parcels or tracts of land and premises situate, lying and being in the Municipality of Richmond in the Province of British Columbia, and more particularly known and described as:

1. Parcel "A" (Reference Plan 26445) of the South Sixty (60) acres of Section Twenty-seven (27) Block Five (5) North Range Five (5) West New Westminster District

2. Lot Four (4) of Parcel "A" of Section Ten (10) Block Four (4) North Range Five (5) West Plan Nine Thousand Three Hundred and Forty-one (9341) New Westminster District

3. Parcel Identifier: 003-454-037
Lot 75 Section 22 Block 4 North Range 6 West New Westminster District Plan 47843

4. Parcel Identifier: 003-465-349
Parcel "A" (Statutory Right of Way 47087) District Lot 5981 Group 1 New Westminster District

5. Parcel Identifier: 003-454-169
Parcel "A" (Statutory Right of Way Plan 47087) Lot 3 Section 15 Block 5 North Range 5 West New Westminster District Plan 1417

6. Part of Parcel "B" (Explanatory Plan 105) of Section Eighteen (18) Block Four (4) North Range Four (4) West as shown outlined red on Plan Twenty Thousand Six Hundred and Eighty-six (20686) New Westminster District
-

DISCLOSURE SCHEDULE 24
MAINLAND GAS
OWNED REAL ESTATE

PART III

ALL AND SINGULAR those certain parcels or tracts of land and premises situate, lying and being in the Municipality of Delta in the Province of British Columbia, and more particularly known and described as:

1. Parcel Identifier: 004-089-880
Parcel "A" (Reference Plan 22787) South West Quarter Section 6
Township 4 New Westminster District

2. Parcel Identifier: 002-686-881
Parcel "One" except: Parcel "2" (Bylaw Plan 65303) District Lot 129
Group 2 New Westminster District Reference Plan 61164

3. Parcel "3" (Bylaw Plan 65303) of District Lot 129 Group 2 dedicated
as Road on Plan 54641 New Westminster District

4. Parcel Identifier: 008-456-771
Lot 146 Section 25 Township 4 New Westminster District Plan 37826

5. Parcel Identifier: 005-938-856
Lot 12 District Lot 135 Group 2 New Westminster District Plan 45616

6. Parcel Identifier: 005-938-899
Lot 14 District Lot 135 Group 2 New Westminster District Plan 45616
-

DISCLOSURE SCHEDULE 24
MAINLAND GAS
OWNED REAL ESTATE

PART IV

ALL AND SINGULAR those certain parcels or tracts of land and premises situate, lying and being in the Municipality of Coquitlam in the Province of British Columbia, and more particularly known and described as:

1. Parcel Identifier: 002-124-696
Lot 66 District Lot 361 Group 1 New Westminster District Plan 67288

2. Parcel "A" (Reference Plan 27459) of Lot Seven (7) of Lot Twenty-one (21) Group One (1) Plan Eight Thousand Five Hundred and Two (8502)
New Westminster District

3. Parcel Identifier: 008-751-251
Lot 11 District Lot 361 Group 1 New Westminster District Plan 2597

4. Parcel Identifier: 008-772-151
Lot 10 District Lot 361 Group 1 New Westminster District Plan 2597

5. Parcel Identifier: 008-751-137
Lot 6 except: Parcel "A" (Bylaw Plan 66385), District Lot 361 Group 1 New Westminster District Plan 2597

6. Parcel Identifier: 008-751-242
Lot 9 District Lot 361 Group 1 New Westminster District Plan 2597

7. Parcel Identifier: 008-751-200
Lot 7 District Lot 361 Group 1 New Westminster District Plan 2597

8. Parcel Identifier: 008-751-226
Lot 8 District Lot 361 Group 1 New Westminster District Plan 2597

DISCLOSURE SCHEDULE 24
MAINLAND GAS
OWNED REAL ESTATE

PART V

ALL AND SINGULAR those certain parcels or tracts of land and premises situate, lying and being in the Municipality of Surrey in the Province of British Columbia, and more particularly known and described as:

1. Lot Four (4) Block Eighteen (18) of Lots Three (3) and Four (4) Group Two (2) Plan Fourteen Thousand One Hundred and Ninety-eight (14198) New Westminster District

2. Parcel One (1) (Reference Plan 15093) of Parcel "A" of Lot Ten (10) of the North West Quarter of Section Nineteen (19) Township Eight (8) Plan Five Thousand Three Hundred and Sixty-four (5364) New Westminster District

3. Lot Ten (10) of the South East Quarter of Section Twenty-five (25) Township Two (2) Plan Three Thousand Four Hundred and Forty-eight (3448) EXCEPT Parcel "A" (Reference Plan 11038) thereof New Westminster District

4. Parcel Identifier: 009-105-450
Lot 30 District Lot 4 Group 2 and Section 19 Block 5 North Range 2 West New Westminster District Plan 22484

5. Parcel "A" (Reference Plan 22875) of Lot Seven (7) BLOCK TWO (2) of the North East Quarter of Section Thirty-one (31) Township Eight (8) Plan Six Thousand Eight Hundred and Seventy (6870) New Westminster District
-

6. Parcel Identifier: 010-523-529
Parcel "One" (Explanatory Plan 22981) Lot "A" Section 35 Township 2 New Westminster District Plan 19624
-

7. Parcel Identifier: 010-584-633
Lot 18 Section 24 Block 5 North Range 2 West New Westminster District Plan 19937
-

8. The West Half of Lot Thirty-three (33) of Legal Subdivision Thirteen (13) of Section Fourteen (14) Township One (1) Plan Eight Thousand Four Hundred and Ninety-two (8492) New Westminster District
-

9. Lot Nine (9) of the South East Quarter of Section Twenty-five (25) Township Two (2) Plan Three Thousand Four Hundred and Forty-eight (3448) New Westminster District
-

10. Parcel "A" (Reference Plan 15515) of the North West Quarter of the North East Quarter of the North East Quarter of Section Sixteen (16) Township Eight (8) New Westminster District
-

11. Parcel Identifier 000-818-593
Lot 14 Section 33 Block 5 North Range 2 West New Westminster
District Plan 15866

12. Lot Two (2) except all that portion lying West of Reference
Plan 2731 of Section Thirty (30) Township Two (2) Plan One Thousand
Six Hundred and Seven (1607) New Westminster District

13. Parcel Identifier: 006-935-125
Lot 31 Except: Parcel "F" (Bylaw Plan 62403); Section 23 Township 2
New Westminster District Plan 33925

14. Parcel Identifier: 000-818-143
Lot 16 Except: Firstly: the East 160.87 feet, and Secondly:
Parcel C (Explanatory Plan 25386); Block 3 Section 30 Block 5 North
Range 2 West New Westminster District Plan 454

15. Parcel Identifier: 010-548-629
Parcel "A" (Plan 18312) Lot 24 North East Quarter Section 29
Township 2 New Westminster District Plan 5488

16. Parcel Identifier: 009-986-201
Lot 12 Except: Parcel "D" (Bylaw Plan 58653), Section 33 Block 5
North Range 2 West New Westminster District Plan 14516

17. Parcel Identifier: 006-314-295
Parcel "A" (Statutory Right of Way Plan 41702) Lot 3 District Lot 2
Group 2 New Westminster District Plan 41701

18. Parcel Identifier: 009-548-319
Lot 3 Section 33 Township 2 New Westminster District Plan 20789
-
19. Parcel Identifier: 007-904-592
Lot 15 Section 26 Block 5 North Range 2 West New Westminster
District Plan 16996
-
20. Parcel "B" (Explanatory Plan 26345) of Lot Eleven (11) of the North
West Quarter of Section Thirty-four (34) Township Eight (8) Plan
Four Thousand and Sixty-one (4061) New Westminster District, Except
Parcel One (Bylaw Plan 58990)
-
21. Lot "B" Block Eight (8) of the South West Quarter of Section
Thirty-two (32) Township Two (2) Plan Six Thousand Four Hundred and
Thirty-six (6436) SAVE AND EXCEPT the North One Hundred and
Thirty-four (134) feet thereof New Westminster District, Except Part
Subdivided by Plan 40114
-
22. The North Westerly Sixty (60) feet of Lots One (1) and Two (2) BLOCK
NINE (9) of Lots Three (3) and Four (4) Group Two (2) Plan Eight
Hundred and Eighty-six (886) having a frontage of Sixty (60) feet on
Yale Road with uniform width the full depth of said Lots and
adjoining Eighth Street SAVE AND EXCEPT Part shown on Plan Five
Thousand Seven Hundred and Nineteen (5719) New Westminster District
-
23. Parcel Identifier: 009-986-235
Lot 13 except: Parcel "E" (Bylaw Plan 58653), Section 33 Block 5
North Range 2 West New Westminster District Plan 14516
-

24. The East Thirty (30) feet of Parcel "A" (Reference Plan 11926) of Lot Ten (10) of the South East Quarter of Section Thirty-three (33) Block Five (5) North Range Two (2) West Plan One Thousand Seven Hundred and Forty-three (1743) New Westminster District
-

DISCLOSURE SCHEDULE 24
MAINLAND GAS
OWNED REAL ESTATE

PART VI

ALL AND SINGULAR those certain parcels or tracts of land and premises situate, lying and being in the City of Port Coquitlam in the Province of British Columbia, and more particularly known and described as:

1. Lot Seventeen (17) of Block Twelve (12) of Section Sixteen (16) and part of Section Seventeen (17) Block Six (6) North Range One (1) East Map Two Thousand Four Hundred and Sixteen (2416) in the District of New Westminster

 2. Part (Fifty-eight One Thousandths (0.058) of an acre more or less) of Lot Four (4) and Part (Twenty-eight One Hundredths (0.28) of an acre (more or less) of Lot Three (3) Except Part shown on Plan 62344 Section Seventeen (17) Block Six (6) North Range One (1) East Map One Thousand and Thirty-three (1033) and outlined red on Sketch Six Thousand Nine Hundred and Fifty (6950) in the District of New Westminster
-

DISCLOSURE SCHEDULE 24
MAINLAND GAS
OWNED REAL ESTATE

PART VII

ALL AND SINGULAR those certain parcels or tracts of land and premises situate, lying and being in the Municipality of Langley in the Province of British Columbia, and more particularly known and described as:

1. Parcel Identifier: 006-590-306
Lot 38 Section 3 Township 11 New Westminster District Plan 42868

2. Parcel Identifier: 006-177-808
Lot 68 District Lot 22 Group 2 New Westminster District Plan 47348

3. Parcel Identifier: 006-128-751
Lot 6 District Lot 315 Group 2 New Westminster District Plan 41282

4. Parcel Identifier: 005-427-703
Lot 74 Section 35 Township 8 New Westminster District Plan 55979

5. Lot Twenty-eight (28) of Lot Eighty (80) and of parts of Lot Seventy-nine (79) Group Two (2) Map One Thousand Seven Hundred and Fifty-eight (1758) in the District of New Westminster

6. Parcel Identifier: 005-025-125
Lot 9 Section 9 Township 11 New Westminster District Plan 52051
-

7. Parcel One (1) (Reference Plan 15278) of Parcel "A" of the North
Half of the North West Quarter of Section Twenty-nine (29) Township
Thirteen (13) New Westminster District
-

8. Parcel "A" (Reference Plan 16210) of the North West Quarter of
Section Four (4) Township Eleven (11) New Westminster District
-

DISCLOSURE SCHEDULE 24
MAINLAND GAS
OWNED REAL ESTATE

PART VIII

ALL AND SINGULAR that certain parcel or tract of land and premises situate, lying and being in the City of Langley in the Province of British Columbia, and more particularly known and described as:

1. Parcel Identifier: 006-217-940
Lot 99 District Lot 310 Group 2 New Westminster District Plan 48176
-

DISCLOSURE SCHEDULE 24
MAINLAND GAS
OWNED REAL ESTATE

PART IX

ALL AND SINGULAR those certain parcels or tracts of land and premises situate, lying and being in the Municipality of Matsqui in the Province of British Columbia, and more particularly known and described as:

1. Part 0.2131 Hectares (Right of Way Plan 57728) of the North East Quarter of the South West Quarter of Section 18 Township 16 New Westminster District

2. Parcel Identifier: 003-738-434
Lot 412 Section 20 Township 16 New Westminster District Plan 65985

3. Lot 1 Block 6 of the North West Quarter of Section 22 Township 16 Plan 8325 New Westminster District

4. Parcel One (1) (Reference Plan 15265) of Parcel "C" of the North East Quarter of Section Eight (8) Township Sixteen (16) New Westminster District

DISCLOSURE SCHEDULE 24
MAINLAND GAS
OWNED REAL ESTATE

PART X

ALL AND SINGULAR those certain parcels or tracts of land and premises situate, lying and being in the Municipality of Maple Ridge in the Province of British Columbia, and more particularly known and described as:

1. Parcel Two (2) (Reference Plan 15601) of Parcel "K" of Lot Two Hundred and Seventy-five (275) Group One (1) New Westminster District

2. Parcel Identifier: 006-183-051
Lot 122 District Lot 242 Group 1 New Westminster District Plan 47383

3. Parcel "A" (Reference Plan 16568) of Lot Five (5) of Lot Two Hundred and Forty-one (241) Group One (1) Plan Two Thousand Nine Hundred and Ninety-eight (2998) New Westminster District

4. Parcel Identifier: 008-867-721
Lot 1 Section 20 Township 12 New Westminster District Plan 20546

5. Parcel Identifier: 010-137-084
Lot 12 District Lot 399 Group 1 New Westminster District Plan 16012

6. Parcel Identifier: 009-705-988
Lot 24 District Lot 275 Group 1 New Westminster District Plan 12433

7. Parcel Identifier: 008-908-699
Lot 102 District Lot 245 Group 1 New Westminster District Plan 27406

DISCLOSURE SCHEDULE 24
MAINLAND GAS
OWNED REAL ESTATE

PART XI

ALL AND SINGULAR those certain parcels or tracts of land and premises situate, lying and being in the Municipality of Mission in the Province of British Columbia, and more particularly known and described as:

1. Parcel Identifier: 010-647-511
Lot 6 Block 14 District Lot 410 Group 1 New Westminster District
Plan 2631

2. Parcel Identifier: 010-647-627
Lot 7 Block 14 District Lot 410 Group 1 New Westminster District
Plan 2631

3. Parcel Identifier: 010-647-678
Lot 8 Block 14 District Lot 410 Group 1 New Westminster District
Plan 2631

DISCLOSURE SCHEDULE 24
MAINLAND GAS
OWNED REAL ESTATE

PART XII

ALL AND SINGULAR those certain parcels or tracts of land and premises situate, lying and being in the Municipality of Abbotsford in the Province of British Columbia, and more particularly known and described as:

1. Parcel "C" (Reference Plan 16654) BLOCK ONE (1) of the South West Quarter of Section Six (6) Township Nineteen (19) Plan Three Thousand Nine Hundred and Thirty-one (3931) New Westminster District

2. Parcel One (1) (Explanatory Plan 16653) of Parcel "B" of the South West Quarter of Section Fifteen (15) Township Nineteen (19) New Westminster District

3. Parcel "G" (Reference Plan 15787) of the South East Quarter of Section Ten (10) Township Sixteen (16) New Westminster District

DISCLOSURE SCHEDULE 24
MAINLAND GAS
OWNED REAL ESTATE

PART XIII

ALL AND SINGULAR those certain parcels or tracts of land and premises situate, lying and being in the Municipality of Chilliwack in the Province of British Columbia, and more particularly known and described as:

1. Parcel Identifier: 005-268-109
Lot 13 Section 14 Township 23 New Westminster District Plan 54523

2. Parcel Two (2) (Explanatory Plan 16650) of Parcel One (1) of Parcel "D" of Lot Two Hundred and Fifty-nine (259) Group Two (2) New Westminster District

3. Parcel Two (2) (Explanatory Plan 16649) of Parcel One (1) of Parcel "B" of Lot Four Hundred and Sixty-seven (467) Group Two (2) New Westminster District

4. Parcel Identifier: 009-549-277
Parcel "B" (Explanatory Plan 16651) of Parcel "A" (Reference Plan 14837) Lot 2 Section 6 Township 23 New Westminster District Plan 11550

DISCLOSURE SCHEDULE 24
MAINLAND GAS
OWNED REAL ESTATE

PART XIV

ALL AND SINGULAR that certain parcel or tract of land and premises situate, lying and being in the Municipality of Kent in the Province of British Columbia, and more particularly known and described as:

1. Parcel Two (2) (Explanatory Plan 16652) of Parcel "A" of Lot Thirty-eight (38) Group One (1) Yale Division of Yale District
-

DISCLOSURE SCHEDULE 24
MAINLAND GAS
OWNED REAL ESTATE

PART XV

ALL AND SINGULAR that certain parcel or tract of land and premises situate, lying and being in the New Westminster Assessment District and the Village of Hope in the Province of British Columbia, and more particularly known and described as:

1. That portion of that part of District Lot Three (3) Yale (formerly Hope) Division Yale District as shown on Plan "A" One thousand five hundred and twenty-nine ("A"1529) outlined in red on Plan "B" Seven thousand five hundred and one ("B"7501)

TOGETHER WITH THE OWNED REAL ESTATE AS DESCRIBED IN PART E OF
DISCLOSURE SCHEDULE 8

AMENDED
DISCLOSURE SCHEDULE 25
[Mainland Gas]

PERMITTED EXCEPTIONS

PART "A" OWNED REAL ESTATE

REGISTERED CHARGES, UNREGISTERED CHARGES, LIENS AND INTERESTS

PART I

1. Title No.: 468762 P.I.D. No.: 009-116-788
Legal Description: Lot 1, Block 71, District Lot 264A,
Plan 11322

2. Title No.: 398737 P.I.D. No.: 009-800-476
Legal Description: Lot 1, District Lots 250, 330, 2100 and
6320, Plan 8900
Nature of Charge: Easement and Indemnity Agreement
Registered Owner of Charge: City of Vancouver
Charge Number: 301789M
Date of Registration: 16/11/1959 14:03
Remarks: None

Unregistered Agreements Affecting Title No. 398737:

Type: Letter of Permission
Grantee: Stradiotti Bros. Ltd.
Remarks: Consent to lease water lot adjacent to Lot 1

PART II

1. Title No.: 530403E P.I.D. No.: N/A
Legal Description: Parcel "A" (Reference Plan 26445) of the South 60 acres of Section 27, Block 5 North, Range 5 West, NWD
Legal Notations: This Certificate of Title may be affected by the Agricultural Land Commission Act: see Agricultural Land Reserve Plan No. 1, deposited July 30, 1974

Zoning regulations and plan under the Aeronautics Act (Canada), filed 10.02.1981 under No. T17084, Plan No. 61216

2. Title No.: 445536E P.I.D. No.: N/A
Legal Description: Lot 4 of Parcel "A" of Section 10, Block 4 North, Range 5 West, Plan 9341, NWD
Legal Notations: This Certificate of Title may be affected by the Agricultural Land Commission Act: see Agricultural Land Reserve Plan No. 1, deposited July 30, 1974

Unregistered Agreements Affecting Title No. 445536E:

Type: Licence of Occupation
Grantee: M.S. Lapka
Remarks: Licence for grazing and parking purposes

3. Title No.: RD2731E P.I.D. No.: 003-454-037
Legal Description: Lot 75, Section 22, Block 4, North Range 6 West, NWD, Plan 47843
Legal Notations: Zoning regulations and plan under the Aeronautics Act (Canada), filed 10.02.1981 under No. T17084, Plan No. 61216

4. Title No.: RD1913E P.I.D. No.: 003-465-349
Legal Description: Parcel "A" (Statutory Right of Way
49087), District Lot 5901, Group 1, NWD
Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 275605C
Date of Registration: 14/12/1959 15:55
Remarks: Plan 20937, ancillary rights, Inter Alia
5. Title No.: RD2705E P.I.D. No.: 003-454-169
Legal Description: Parcel "A" (Statutory Right of Way
Plan 47087); Lot 3, Section 15, Block 5
North, Range 5 West, NWD, Plan 1417
Legal Notations: This Certificate of Title may be affected
by the Agricultural Land Reserve Plan
No. 1, deposited July 30, 1974

Zoning regulations and plan under the
Aeronautics Act (Canada), filed
10.02.1981 under No. T17084, Plan
No. 61216
6. Title No.: 466131E P.I.D. No.: N/A
Legal Description: Part of Parcel "B" (Explanatory Plan 105)
of Section 18, Block 4 North, Range 4
West as shown outlined red on Plan 20686,
NWD
Nature of Charge: R.W.
Registered Owner of Charge: B.C. Electric Railway Company
Limited
Charge Number: 101086C
Date of Registration: 28/05/1946 10:00
Remarks: Part shown on Plan 8558, Inter Alia

Nature of Charge: S.R.W.
Registered Owner of Charge: B.C. Hydro and Power Authority
Date of Registration: T.B.A.
Remarks: That portion of land outlined on a reference plan
deposited in the Land Title Office in the City of
New Westminster, Province of British Columbia under
No. 8558.

PART III

1. Title No.: 475277E P.I.D. No.: 004-089-880
Legal Description: Parcel "A" (Reference Plan 22787), SW Quarter, Section 6, Township 4, NWD
Legal Notations: This Certificate of Title may be affected by the Agricultural Land Commission Act: see Agricultural Land Reserve Plan No. 2, dated July 30, 1974

Nature of Charge: Undersurface Rights
Registered Owner of Charge: Barbaran Investments Ltd. and Sparralta Resources Ltd.
Charge Number: 269293
Date of Registration: 15/04/1986 09:16
Remarks: Assignment of 138912C (see M30840), see 269831E, 283279E and N103623, Inter Alia

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 203981C
Date of Registration: 08/08/1956 14:02
Remarks: Inter Alia

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 267025C
Date of Registration: 10/08/1959 15:39
Remarks: Inter Alia

Nature of Charge: Lease
Registered Owner of Charge: Legend Oil and Gas Ltd.
Charge Number: AA38656
Date of Registration: 11/03/1987 14:04
Remarks: As to undersurface rights only, Inter Alia
2. Title No.: W37008E P.I.D. No.: 002-686-881
Legal Description: Parcel "One" except: Parcel "2" (Bylaw Plan 65303), District Lot 129, Group 2, NWD, Reference Plan 61164
3. Title No.: W32930E P.I.D. No.: N/A
Legal Description: Municipality of Delta, Parcel "3" (Bylaw Plan 65303) of District Lot 129, Group 2, dedicated as Road on Plan 54641, NWD

4. Title No.: 708922E P.I.D. No.: 008-456-771
Legal Description: Lot 146, Section 25, Township 4, NWD,
Plan 37826
Remarks: Hereto is annexed Restrictive Covenant 354227 over
Lots 53, 54, 55, 56 and 57, Plan 39239
Hereto is annexed Restrictive Covenant H4890 over
Lots 246 to 251 and Lots 255 and 256, Plan 40729
Hereto is annexed Restrictive Covenant H20226 over
Lots 163, 164 and 179, Plan 41052
Hereto is annexed Restrictive Covenant H111849 over
Lots 465, 466, 486 to 495, 455 and 496 to 499, Plan
42645
Hereto is annexed Restrictive Covenant H129747 over
Lots 530 to 665, Plan 42952

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 269144C
Date of Registration: 10/09/1959 12:37
Remarks: Plan 20743 part formerly Lot 8, Plan 5159,
ancillary rights, Inter Alia

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 160769C
Date of Registration: 30/07/1953 14:35
Remarks: Part formerly Parcel B (Reference Plan 36394),
ancillary rights, Inter Alia

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 273516C
Date of Registration: 12/11/1959 15:39
Remarks: North 12 feet part formerly Parcel B (Reference
Plan 36394), ancillary rights, Inter Alia
5. Title No.: Z228292E P.I.D. No.: 005-938-856
Legal Description: Lot 12, District Lot 135, Group 2, NWD,
Plan 45616
Nature of Charge: Statutory Right of Way
Registered Owner of Charge: Corporation of Delta
Charge Number: S130137
Date of Registration: 29/10/1980 14:35
Remarks: Plan 59444

Unregistered Agreements Affecting Title No. Z228292E:

Type: Lease
Grantee: J. Singh
Remarks: Lease of part of Lot 12

6. Title No.: K20510E P.I.D. No.: 005-938-899
Legal Description: Lot 14, District Lot 135, Group 2, NWD,
Plan 45616

Unregistered Agreements Affecting Title No. K20510E:

Type: Lease
Grantee: J. Singh
Remarks: Lease of Lot 14

PART IV

1. Title No.: X2650E P.I.D. No.: 002-124-696
Legal Description: Lot 66, District Lot 361, Group 1, NWD,
Plan 67288
Legal Notations: Supplemental Crown Grant of Timber
No. 1445/785 see 216343E

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 338501C
Date of Registration: 10/06/1963 15:41
Remarks: Plan 20971, part formerly Lots 12 and 13,
Plan 2597
2. Title No.: 536922E P.I.D. No.: N/A
Legal Description: Parcel "A" (Reference Plan 27459) of
Lot 7 of Lot 21, Group 1, Plan 8502, NWD

Nature of Charge: R.W.
Registered Owner of Charge: British Columbia Electric
Company Limited
Charge Number: 150341C
Date of Registration: 19/08/1952 1:20
Remarks: Inter Alia
3. Title No.: 446897E P.I.D. No.: 008-751-251
Legal Description: Lot 11, District Lot 361, Group 1, NWD,
Plan 2597
Legal Notations: Supplementary Grant of Timber See 216343E

Nature of Charge: S.R.W.
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: AB119015
Remarks: That portion of the land outlined on a reference
plan deposited in the Land Title Office in the City
of New Westminster, in the Province of British
Columbia under No. 20971.
4. Title No.: AA198628 P.I.D. No.: 008-772-151
Legal Description: Lot 10, District Lot 361, Group 1, NWD,
Plan 2597
Legal Notations: Supplementary Grant of Timber See 216343E
Nature of Charge: S.R.W.
Registered Owner
of Charge: B.C. Hydro and Power Authority
Charge Number: AB118981
Remarks: That portion of the land outlined on a
reference plan deposited in the Land Title

Grantee: G.V.R.D.
Remarks: 42" waterline

Permit V3584

22. Title No.: 370244E P.I.D. No.: N/A
Legal Description: North Westerly 60 feet of Lots 1 and 2, Block 9 of Lots 3 and 4, Group 2, Plan 886, having a frontage of 60 feet on Yale Road with uniform width the full depth of said Lots and adjoining 8th Street, save and except Part shown on Plan 5719, NWD
- Legal Notations: Re. para. (e) & (f) Sec.23(1) Land Title Act X31201-28384
23. Title No.: 370827E P.I.D. No.: 009-986-235
Legal Description: Lot 13 Except: Parcel "E" (Bylaw Plan 58653), Section 33, Block 5 North, Range 2 West, NWD, Plan 14516
24. Title No.: 376713E P.I.D. No.: N/A
Legal Description: East 30 feet of Parcel "A" (Reference Plan 11926) of Lot 10 of SE Quarter of Section 33, Block 5 North, Range 2 West, Plan 1743, NWD

PART VI

1. Title No.: 216007E P.I.D. No.: N/A
Legal Description: Lot 17, Block 12, Section 16 and part of
Section 17, Block 6 North, Range 1 East,
Map 2416, NWD

2. Title No.: 216010E P.I.D. No.: N/A
Legal Description: Two portions: Part 0.058 of an acre more
or less of Lot 4, Part 0.28 of an acre
more or less of Lot 3, except part shown
on Plan 62344, Section 17, Block 6 North,
Range 1 East, Map 1033, and outlined red
on Sketch 6950
Legal Notations: Notice of an establishment as highways
and of Vesting in Crown received the 10th
day of January, 1982 of Lands specified
in the notice, under No. 449046

Nature of Charge: Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: AB119434
Date of Registration: June 27, 1988
Remarks: Inter Alia Firstly

Nature of Charge: Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: AB119434
Date of Registration: June 27, 1988
Remarks: Inter Alia Secondly

Office in the City of New Westminster,
British Columbia, under No. 20971

5. Title No.: AA198624 P.I.D. No.: 008-751-137
Legal Description: Lot 6 Except: Parcel "A" (Bylaw
Plan 66385), District Lot 361, Group 1,
NWD, Plan 2597
Legal Notations: Supplementary Grant of Timber See 216343E
6. Title No.: AA198627 P.I.D. No.: 008-751-242
Legal Description: Lot 9, District Lot 361, Group 1, NWD,
Plan 2597
Legal Notations: Supplementary Grant of Timber See 216343E
7. Title No.: AA198625 P.I.D. No.: 008-751-200
Legal Description: Lot 7, District Lot 361, Group 1, NWD,
Plan 2597
Legal Notations: Supplementary Grant of Timber See 216343E
8. Title No.: AA198626 P.I.D. No.: 008-751-226
Legal Description: Lot 8, District Lot 361, Group 1, NWD,
Plan 2597
Legal Notations: Supplementary Grant of Timber See 216343E

PART V

1. Title No.: 368627E P.I.D. No.: N/A
Legal Description: Lot 4, Block 18 of Lots 3 and 4, Group 2,
Plan 14198, NWD
Legal Notations: Re. para. (e) & (f) Sec.23(1), Land Title
Act X31201-28384

Nature of Charge: ☒
Registered Owner of Charge: Unknown
Charge Number: 48489C
Date of Registration: ☒ ☒
Remarks: Reservation of all Minerals, Solid, Liquid, and
Gaseous not heretofore excepted in the original
Grant from the Crown

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 242623
Date of Registration: 14/03/1986 14:23
Remarks: Lot 4

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: District of Surrey
Charge Number: AA34035
Date of Registration: 03/03/1987 11:31
Remarks: Lot 4, Plan 73539

Unregistered Agreements Affecting Title No. 368627E

Permit 3257 (Water)
Permit 3258 (Sanitary Sewer)

2. Title No.: 376580E P.I.D. No.: N/A
Legal Description: Parcel 1 (Reference Plan 15093) of
Parcel "A" of Lot 10 of NW Quarter of
Section 19, Township 8, Plan 5364, NWD

Nature of Charge: E.
Registered Owner of Charge: ☒
Charge Number: F442
Date of Registration: 07/01/1970 11:51
Remarks: Part on Explanatory Plan 36755

Nature of Charge: E.
Registered Owner of Charge: ☒
Charge Number: F37157
Date of Registration: 18/06/1970 12:11
Remarks: Part on Explanatory Plan 37552

3. Title No.: 433688E P.I.D. No.: N/A
Legal Description: Lot 10 of SE Quarter of Section 25,
Township 2, plan 3448, Except Parcel "A"
(Reference Plan 11038) thereof, NWD
Nature of Charge: O.P.
Registered Owner of Charge: Cameron Macpherson
Charge Number: 254676C
Date of Registration: 11/02/1959 11:10
Remarks: All
4. Title No.: 470502E P.I.D. No.: 009-105-450
Legal Description: Lot 30, District Lot 4, Group 2 and
Section 19, Block 5 North, Range 2 West,
NWD, Plan 22484
Nature of Charge: Undersurface Rights
Registered Owner of Charge: ☒
Charge Number: 48489C
Date of Registration: ☒ ☒
Remarks: Part formerly Lot 8, Plan 14198, see 46832E,
Inter Alia
Legal Notations: Re: para (e) & (f), Sec.23(1) Land Title
Act X31201, 28.03.1984.
Re: para (e) & (f), Sec.23(1) Land Title
Act AA177130, 16.09.1987.
5. Title No.: 476822E P.I.D. No.: N/A
Legal Description: Parcel "A" (Reference Plan 22875) of
Lot 7, Block 2 of NE Quarter of
Section 31, Township 8, Plan 6870, NWD
Nature of Charge: R.C.
Registered Owner of Charge: (Contained in D.D. 150597E)
Charge Number: 85833C
Date of Registration: ☒ ☒
Remarks: All, Inter Alia

Nature of Charge: R.W.
Registered Owner of Charge: British Columbia Electric
Company Limited
Charge Number: 104907C
Date of Registration: 02/01/1947 10:00
Remarks: Pt. of Plan 4599, Inter Alia

Nature of Charge: R.W.
Registered Owner of Charge: British Columbia Electric
Company Limited
Charge Number: 298691C
Date of Registration: 08/03/1961 3:37
Remarks: All, Inter Alia

6. Title No.: 478541E P.I.D. No.: 010-523-529
Legal Description: Parcel "One" (Explanatory Plan 22981),
Lot "A", Section 35, Township 2, NWD,
Plan 19624

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 104907C
Date of Registration: 02/01/1947 10:00
Remarks: Assignment of 64688C, Plan 4622, Inter Alia

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: Greater Vancouver Water
District

Charge Number: P92003
Date of Registration: 19/09/1978 10:29
Remarks: Plan 51033

7. Title No.: 429684E P.I.D. No.: 010-584-633
Legal Description: Lot 18, Section 24, Block 5 North,
Range 2 West, NWD, Plan 19937

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: District of Surrey
Charge Number: 255358C
Date of Registration: 19/02/1959 15:23
Remarks: West 20 feet, Inter Alia

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: AB119019
Remarks: Inter Alia

8. Title No.: 394914E P.I.D. No.: N/A
Legal Description: West 1/2 of Lot 33 of Legal
Subdivision 13 of Section 14, Township 1,
Plan 8492, NWD

9. Title No.: 439817E P.I.D. No.: N/A
Legal Description: Lot 9 of SE Quarter of Section 25,
Township 2, Plan 3448, NWD

10. Title No.: 390769E P.I.D. No.: N/A
Legal Description: Parcel "A" (Reference Plan 15515) of the
NW Quarter of the NE Quarter of the NE
Quarter of Section 16, Township 8, NWD

11. Title No.: X113191E P.I.D. No.: 000-818-593
Legal Description: Lot 14, Section 33, Block 5 North,
Range 2 West, NWD, Plan 15866

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: W158734
Date of Registration: 29/11/1983 15:24
Remarks: Inter Alia

Unregistered Agreements Affecting Title No. X113191E:

Type: Lease
Grantee: N. Baldwin
Remarks: Lease of Lot 14

12. Title No.: 288049E P.I.D. No.: N/A
Legal Description: Lot 2, except all that portion lying west
of Ref. Plan 2731, Section 30,
Township 2, Plan 1607, NWD

Legal Notations: B.C.E. R/W Plans 4612, 13243
Nature of Charge: Statutory Right of Way
Registered Owner of Charge: Greater Vancouver Water
District
Charge Number: W13993
Remarks: Plan 62310

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: AB119020
Date of Registration: June 27, 1988

Unregistered Agreements Affecting Title No. 288049E:

Type: Letter of Permission
Grantee: Greater Vancouver Water District
Remarks: Permission to install waterline

13. Title No.: W84173E P.I.D. No.: 006-935-125
Legal Description: Lot 31 Except: Parcel "F" (Bylaw
Plan 62403); Section 23, Township 2, NWD,
Plan 33925

14. Title No.: X113185E P.I.D. No.: 000-818-143
Legal Description: Lot 16 Except: Firstly: the east 160.87
feet, and Secondly: Parcel "C"
(Explanatory Plan 25386); Block 3,
Section 30, Block 5 North, Range 2 West,
NWD, Plan 454

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: W158734
Date of Registration: 29/11/1983 15:24
Remarks: Inter Alia

15. Title No.: 403342E P.I.D. No.: 010-548-629
Legal Description: Parcel "A" (Plan 18312), Lot 24, NE
Quarter, Section 29, Township 2, NWD, Plan 5488

16. Title No.: 367878E P.I.D. No.: 009-986-201
Legal Description: Lot 12 Except: Parcel "D" (Bylaw
Plan 58653), Section 33, Block 5 North,
Range 2 West, NWD, Plan 14516

17. Title No.: H58192E P.I.D. No.: 006-314-295
Legal Description: Parcel "A" (Statutory Right of Way
Plan 41702), Lot 3, District Lot 2,
Group 2, NWD, Plan 41701
Legal Notations: Hereto is annexed easement H99819 over an
0.27 and an 0.55 acre portion shown red
on Plan 41702 of Lot 3 of District Lot 2,
Group 2, Plan 41701, Except part on Plan
41702
Nature of Charge: Statutory Right of Way
Registered Owner of Charge: District of Surrey
Charge Number: 50861C
Date of Registration: 13/10/1923 10:20
Remarks: Inter Alia

18. Title No.: 444975E P.I.D. No.: 009-548-318
Legal Description: Lot 3, Section 33, Township 2, NWD,
Plan 20789

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 104907C
Date of Registration: 02/01/1947 10:00
Remarks: Assignment of 65393C (see 215944E), Plan 4615,
Inter Alia

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: AB118983
Date of Registration: June 27, 1988
Remarks: Inter Alia

19. Title No.: AA101458E (Provisional Title)
P.I.D. No.: 007-904-592

Legal Description: Lot 15, Section 26, Block 5 North,
Range 2 West, NWD, Plan 16996
Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 136294C
Date of Registration: 23/01/1951 15:00
Remarks: Plan 11995, ancillary rights, Inter Alia

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: AB118985
Date of Registration: June 27, 1988
Remarks: That portion of the land described in Schedule I
hereto which portion is outlined as a reference
plan deposited in the Land Title Office in Surrey
under No. 18307

20. Title No.: 528812E P.I.D. No.: N/A
Legal Description: Parcel "B" (Explanatory Plan 26345) of
Lot 11 of NW Quarter of Section 34,
Township 8, Plan 4061, NWD, Except
Parcel "One" Bylaw, Plan 58990
Nature of Charge: R.W.
Registered Owner of Charge: British Columbia Electric Company
Limited
Charge Number: 104907C
Date of Registration: 02/01/1947 10:00
Remarks: Part on Plan, Inter Alia

Nature of Charge: R.W.
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 340745C
Date of Registration: 02/08/1963 3:23
Remarks: All, Inter Alia

21. Title No.: 370735E P.I.D. No.: N/A
Legal Description: Lot "B", Block 8 of the SW Quarter of
Section 32, Township 2, Plan 6436, save
and except the North 134 feet thereof,
NWD, except part subdivided by
Plan 40114
Legal Notations: To Lot B except North 134 feet and except
part subdivided by Plan 40114 is annexed
R.C. G84945 over Lots 124-143, Plan
40114
Annexed is R.C. H30742 - over lots 288,
289, 296, 297, 302, 303, 310 and 311,
Plan 41228
Annexed is R.C. J107104 over lots 422,
423 & 427, Plan 44557

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: AB119022
Date of Registration: June 27, 1988
Remarks: That portion outlined on Reference Plan Number
13243 New Westminster Land Title Office

Nature of Charge: Easement
Registered Owner of Charge: British Columbia Electric
Company Limited
Charge Number: 104907C
Date of Registration: 02/01/1947 10:00
Remarks: All Inter Alia

Nature of Charge: R.W.
Registered Owner of Charge: Corporation of the District of
Surrey
Charge Number: G57448
Date of Registration: 15/07/1971 15:49
Remarks: Inter Alia

Unregistered Agreements Affecting Title No. 370735E:

Type: Lease
Grantee: First Christian Reformed Church
Remarks: Lease of Lot B

Type: Easement

Grantee: G.V.R.D.
Remarks: 42" waterline

Permit V3584

22. Title No.: 370244E P.I.D. No.: N/A
Legal Description: North Westerly 60 feet of Lots 1 and 2, Block 9 of Lots 3 and 4, Group 2, Plan 886, having a frontage of 60 feet on Yale Road with uniform width the full depth of said Lots and adjoining 8th Street, save and except Part shown on Plan 5719, NWD
- Legal Notations: Re. para. (e) & (f) Sec.23(1) Land Title Act X31201-28384
23. Title No.: 370827E P.I.D. No.: 009-986-235
Legal Description: Lot 13 Except: Parcel "E" (Bylaw Plan 58653), Section 33, Block 5 North, Range 2 West, NWD, Plan 14516
24. Title No.: 376713E P.I.D. No.: N/A
Legal Description: East 30 feet of Parcel "A" (Reference Plan 11926) of Lot 10 of SE Quarter of Section 33, Block 5 North, Range 2 West, Plan 1743, NWD

PART VI

1. Title No.: 216007E P.I.D. No.: N/A
Legal Description: Lot 17, Block 12, Section 16 and part of
Section 17, Block 6 North, Range 1 East,
Map 2416, NWD

2. Title No.: 216010E P.I.D. No.: N/A
Legal Description: Two portions: Part 0.058 of an acre more
or less of Lot 4, Part 0.28 of an acre
more or less of Lot 3, except part shown
on Plan 62344, Section 17, Block 6 North,
Range 1 East, Map 1033, and outlined red
on Sketch 6950
Legal Notations: Notice of an establishment as highways
and of Vesting in Crown received the 10th
day of January, 1982 of Lands specified
in the notice, under No. 449046

Nature of Charge: Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: AB119434
Date of Registration: June 27, 1988
Remarks: Inter Alia Firstly

Nature of Charge: Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: AB119434
Date of Registration: June 27, 1988
Remarks: Inter Alia Secondly

PART VII

1. Title No.: H128133E P.I.D. No.: 006-590-306
Legal Description: Lot 38, Section 3, Township 11, NWD,
Plan 42868
Nature of Charge: Undersurface Rights
Registered Owner of Charge: ☒
Charge Number: 99528C
Date of Registration: ☒ ☒
Remarks: See 199392E, Inter Alia

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 201781C
Date of Registration: 22/06/1956 14:31
Remarks: Ancillary Rights, Inter Alia
2. Title No.: L4234E P.I.D. No.: 006-177-808
Legal Description: Lot 68, District Lot 22, Group 2, NWD,
Plan 47348
Legal Notations: Zoning regulation and plan under the
Aeronautics Act (Canada) filed 31.03.1976
under No. M26464 Plan No. 49871
Nature of Charge: Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 207813C
Date of Registration: 26/10/1956 15:32
Remarks: Ancillary Rights, Plan 16715, Inter Alia
3. Title No.: H41893E P.I.D. No.: 006-128-751
Legal Description: Lot 6, District Lot 315, Group 2, NWD,
Plan 41282
Legal Notations: This Certificate of Title may be affected
by the Agricultural Land Commission Act;
See ALR reserve plan No. 26, deposited
July 30, 1974
Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 231219C
Date of Registration: 13/02/1958 10:51
Remarks: Plan 18197, Ancillary Rights, Inter Alia

4. Title No.: P125945E P.I.D. No.: 005-427-703
Legal Description: Lot 74, Section 35, Township 8, NWD,
Plan 55979
Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 104907C
Date of Registration: 02/01/1947 10:00
Remarks: Inter Alia, Assignment of 65808C, Plan 4613
(see 76171C)

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 306607C
Date of Registration: 09/08/1961 14:55
Remarks: Inter Alia, Plan 4613

5. Title No.: 216028E P.I.D. No.: N/A
Legal Description: Lot 28 of Lot 80 and of parts of Lot 79,
Group 2, Map 1758, NWD
Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: AB119017
Date of Registration: June 27, 1988
Remarks: Later survey for electrical statutory right of way

6. Title No.: N46317E P.I.D. No.: 005-025-125
Legal Description: Lot 9, Section 9, Township 11, NWD,
Plan 52051
Legal Notations: This Certificate of Title may be affected
by the Agricultural Land Commission Act;
See ALR reserve plan No. 26, deposited
July 30, 1974.
Zoning regulation and plan under the
Aeronautics Act (Canada) filed 31.03.76
under No. M26464, Plan No. 49871
Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 295811C
Date of Registration: 03/01/1961 16:19
Remarks: Plan 10540, Assignment of 108600C, Inter Alia

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 244642C
Date of Registration: 05/09/1958 16:01
Remarks: Plan 18197, Inter Alia

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: N22679
Date of Registration: 10/03/1977 14:00
Remarks: Inter Alia

Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: AB118979
Date of Registration: June 27, 1988
Remarks: Inter Alia

Nature of Charge: Easement
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: TBA
Date of Registration: TBA
Remarks: Blanket easement for ground-wire and fence overhang

7. Title No.: 382309E P.I.D. No.: N/A
Legal Description: Parcel 1 (Reference Plan 15278) of
Parcel "A" of the North 1/2 of NW Quarter
of Section 29, Township 13, NWD
8. Title No.: 419313E P.I.D. No.: N/A
Legal Description: Parcel "A" (Reference Plan 16210) of NW
Quarter of Section 4, Township 11, NWD
- Legal Notations: Zoning regulation and plan under the
Aeronautics Act (Canada) filed 31.03.76
Under No. 49871

PART VIII

2. Title No.: M17506E P.I.D. No.: 006-217-940
Legal Description: Lot 99, District Lot 310, Group 2, NWD,
Plan 48176
Legal Notations: Zoning regulation and plan under the
Aeronautics Act (Canada) filed 31.03.76
under No. M26464 Plan No. 49871
Nature of Charge: Undersurface Rights
Registered Owner of Charge: ☒
Charge Number: 84721C
Date of Registration: ☒ ☒
Remarks: Part formerly in Lot 15, Plan 1749, Inter Alia,
see 147049E
- Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: L72572
Date of Registration: 27/08/1975 10:55
Remarks: Plan 48178, Inter Alia
- Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: T61843
Date of Registration: 26/05/1981 13:49
Remarks: Northerly 3 meters

PART IX

1. Title No.: S2540E P.I.D. No.: N/A
Legal Description: Part 0.2131 Hectares (Right of Way
Plan 57728) of NE Quarter of SW Quarter
of Section 18, Township 16, NWD
Nature of Charge: R.W.
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 205344C
Date of Registration: 07/09/1956 2:15
Remarks: Plan 16447, Ancillary Rights, Inter Alia
 2. Title No.: W98125E P.I.D. No.: 003-738-434
Legal Description: Lot 412, Section 20, Township 16, NWD,
Plan 65985
 3. Title No.: H41892E P.I.D. No.: N/A
Legal Description: Lot 1, Block 6, NW Quarter of Section 22,
Township 16, Plan 8325, NWD
 4. Title No.: 381849E P.I.D. No.: N/A
Legal Description: Parcel 1 (Reference Plan 15265) of
Parcel "C" of NE Quarter of Section 8,
Township 16, NWD
- Legal Notations: See ALR Plan No. 31, deposit July 30, 1974.
Zoning regulation and plan under the
Aeronautics Act (Canada), filed 22.6.1983
under No. W90088, Plan No. 66201.

PART X

1. Title No.: 394373E P.I.D. No.: N/A
Legal Description: Parcel 2 (Reference Plan 15601) of
Parcel "K" of Lot 275, Group 1, NWD
2. Title No.: AA123509E P.I.D. No.: 006-183-051
Legal Description: Lot 122, District Lot 242, Group 1, NWD,
Plan 47383
Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 233927C
Date of Registration: 26/03/1958 14:28
Remarks: Ancillary rights, Plan 18394, Inter Alia
3. Title No.: 429127E P.I.D. No.: N/A
Legal Description: Parcel "A" (Reference Plan 16568) of
Lot 5 of Lot 241, Group 1, Plan 2998,
NWD
4. Title No.: 440618E P.I.D. No.: 008-867-721
Legal Description: Lot 1, Section 20, Township 12, NWD,
Plan 20546
5. Title No.: 390771E P.I.D. No.: 010-137-084
Legal Description: Lot 12, District Lot 399, Group 1, NWD,
Plan 16012
6. Title No.: W97129E P.I.D. No.: 009-705-988
Legal Description: Lot 24, District Lot 275, Group 1, NWD,
Plan 12433
Nature of Charge: Statutory Right of Way
Registered Owner of Charge: District of Maple Ridge
Charge Number: Z77464
Date of Registration: 28/04/1986 13:17
Remarks: Plan 70684, Ancillary Rights

7. Title No.: W116552E P.I.D. No.: 008-908-699
Legal Description: Lot 102, District Lot 245, Group 1, NWD,
Plan 27406
Nature of Charge: Statutory Right of Way
Registered Owner of Charge: B.C. Hydro & Power Authority
Charge Number: 236234C
Date of Registration: 01/05/1958 14:43
Remarks: Plan 18394, Ancillary Rights, Inter Alia

WPD-H/MG

PART XI

1. Title No.: AB50154 P.I.D. No.: 010-647-511
Legal Description: Lot 6, Block 14, District Lot 410,
Group 1, NWD, Plan 2631
2. Title No.: AB50155 P.I.D. No.: 010-647-627
Legal Description: Lot 7, Block 14, District Lot 410,
Group 1, NWD, Plan 2631
3. Title No.: 696370E P.I.D. No.: 010-647-678
Legal Description: Lot 8, Block 14, District Lot 410,
Group 1, NWD, Plan 2631

PART XII

1. Title No.: 433593E P.I.D. No.: N/A
Legal Description: Parcel "C" (Reference Plan 16654),
Block 1 of SW Quarter of Section 6,
Township 19, Plan 3931, NWD
Legal Notations: This Certificate of Title may be affected
by the Agricultural Land Commission Act;
See Agricultural Land Reserve Plan No. 34
deposited July 30, 1974

Nature of Charge: C.M.L.
Registered Owner of Charge: Montgomery & Johnson Electric
Ltd.
Charge Number: G 77855
Date of Registration: 14/09/71
Remarks: Inter Alia
2. Title No.: 433591E P.I.D. No.: N/A
Legal Description: Parcel 1 (Explanatory Plan 16653) of
Parcel "B" of SW Quarter of Section 15,
Township 19, NWD
Legal Notations: This Certificate of Title may be affected
by the Agricultural Land Commission Act;
See Agricultural Land Reserve Plan No. 35
deposited July 30, 1974
Zoning Regulation and Plan under the
Aeronautics Act (Canada) filed 22/6/1983
under No. W 90088 Plan No. 66201
3. Title No.: 401702E P.I.D. No.: N/A
Legal Description: Parcel "G" (Reference Plan 15787) of SE
Quarter of Section 10, Township 16, NWD
Legal Notations: This Certificate of Title may be affected
by the Agricultural Land Commission Act;
See Agricultural Land Reserve Plan No. 34
deposited July 30, 1974
Zoning Regulation and Plan under the
Aeronautics Act (Canada) filed 22/6/1983
under No. W 90088 Plan No. 66201

PART XIII

1. Title No.: 433590E P.I.D. No.: N/A
Legal Description: Parcel 2 (Explanatory Plan 11652) of
Parcel "A" of Lot 38, Group 1, Yale
Division of Yale District
Legal Notations: This Certificate of Title may be affected
by the Agricultural Land Commission Act;
See Agricultural Land Reserve Plan No.
53 deposited September 11, 1974

Nature of Charge: ☒
Registered Owner of Charge: Unknown
Date of Registration: ☒ ☒
Charge Number: 77833C
Remarks: Reservation of all Mines and Minerals including Gas
and Petroleum as set out in D.D. #124442E

PART XIV

1. Title No.: P32118E P.I.D. No.: 005-268-109
Legal Description: Lot 13, Section 14, Township 23, NWD,
Plan 54523
2. Title No.: 433588E P.I.D. No.: N/A
"R.C.#208435C
D.D. 377310 E"
Legal Description: Parcel 2 (Explanatory Plan 16650) of
Parcel 1 of Parcel "D" of Lot 259,
Group 2, NWD
3. Title No.: 433587E P.I.D. No.: N/A
Legal Description: Parcel 2 (Explanatory Plan 16649) of
Parcel 1 of Parcel "B" of Lot 467,
Group 2, NWD
Legal Notations: This Certificate of Title may be affected
by the Agricultural Land Commission Act;
See Agricultural Land Reserve Plan No.
49 deposited September 11, 1974.
4. Title No.: 433589E P.I.D. No.: 009-549-277
Legal Description: Parcel "B" (Explanatory Plan 16651) of
Parcel "A" (Reference Plan 14837), Lot 2,
Section 6, Township 23, NWD, Plan 11550
Legal Notations: This Certificate of Title may be affected
by the Land Commission Act; See
Agricultural Land Reserve Plan No. 48
deposited September 11, 1974.

PART XV

1. Title No.: 218794E P.I.D. No.: N/A
Legal Description: That portion of that part of District
Lot 3, Yale (formerly Hope) Division Yale
District, as shown on Plan "A" 1529,
outlined in red on Plan "B" 7501

Nature of Charge: R.C.
Registered Owner of Charge: E
Charge Number: 51952E
Date of Registration: E E
Remarks: E

Nature of Charge: R.W.
Registered Owner of Charge: Trans Mountain Oil Pipe Line
Company
Charge Number: 51839E
Date of Registration: 18/11/1952 10:09
Remarks: Part shown on Plan "A" 1280

Nature of Charge: Easement
Registered Owner of Charge: Westcoast Transmission Company
Limited
Charge Number: 63911E
Date of Registration: 02/03/1956 2:29
Remarks: All, Inter Alia

Nature of Charge: Easement
Registered Owner of Charge: Westcoast Transmission Company
Limited
Charge Number: 63911E
Date of Registration: 02/03/1956 2:29
Remarks: All, Inter Alia

DISCLOSURE SCHEDULE 25
[Mainland Gas]

PERMITTED EXCEPTIONS

PART B

All charges and interests described in Part E of
Disclosure Schedule 8.

WPD-H/MG

DISCLOSURE SCHEDULE 25

[MAINLAND GAS]

PERMITTED EXCEPTIONS

PART "C" Rights given to third parties in respect of crossings
by such third parties on, over or under Owned Real Estate, Gas
Rights of Way on Common Rights of Way

BCHPA

FILE DATE

NUMBER RECEIVED	RECEIVED FROM	TYPE OF UTILITY	LOCATION OF UTILITY
PC 523 26/06/78	ASSOCIATED ENGINEERING	WATER MAIN	GLEN & JOHNSTON
PC 771 06/01/83	ASSOCIATED ENGINEERING	C B LEADS AND ELEC DUCTS	BROADWAY & SPERLING
PC 888 11/03/85	ASSOCIATED ENGINEERING	STORM CONNECTION	BROADWAY & SPERLING
PC 103 30/07/70	B.C. HYDRO	5 ELECTRICAL DUCTS	N. ROAD, BROADWAY & COMO LK.
PC 107 24/08/70	B.C. HYDRO	9-4" TRANS. DUCTS.	13' N. SPL HALIFAX ON GILMORE
PC 109 03/09/70	B.C. HYDRO	9 - 4" DUCTS	171/25 X 41/2W NEC ROBINSON & COMO LK
PC 270 29/10/73	B.C. HYDRO	ELECTRICAL	WESTMINSTER & GRAYBAR
PC 482 05/08/77	B.C. HYDRO	BCHPA DUCT	#5 & BLUNDELL
PC 490 12/10/77	B.C. HYDRO	4" ELECT DUCT	COMO LAKE ROAD, NEAR LOUGHEED
PC 516 02/05/78	B.C. HYDRO	ELECT DUCT	COAST MERIDIAN, S OF COQUITLAM
PC 519 24/05/78	B.C. HYDRO	BCHPA DUCT	COAST MERIDIAN & ST ALBERT
PC 520 24/05/78	B.C. HYDRO	ELECT DUCTS	NORTH ROAD & COMO LAKE ROAD
PC 525 27/06/78	B.C. HYDRO	ELECTRICAL DUCTS	37TH & LANARK
PC 527 06/07/78	B.C. HYDRO	ELECTRICAL DUCT	BRIDGE & FRANCIS
PC 558 15/03/79	B.C. HYDRO	BCHPA DUCTS	HASTINGS & KOOTENAY
PC 585 18/07/79	B.C. HYDRO	4" DRAIN	2ND & BOUNDARY
PC 590 19/09/79	B.C. HYDRO	ELECTRICAL DUCT	DYKE RD, N OF HAMILTON
PC 624 23/07/80	B.C. HYDRO	ELECTRICAL DUCTS	SLOCAN & WARD
PC 637 14/01/81	B.C. HYDRO	BCHPA DUCT	UNNAMED RD N OF DUNKIRK AVE & PIPELINE RD, COQUITLAM.
PC 644 21/04/81	B.C. HYDRO	ELECTRICAL DUCTS	PIPELINE RD, 233M S OF PATHAN
PC 652 10/07/81	B.C. HYDRO	ELECTRICAL DUCT	PIPELINE RD S OF OZADA
PC 670 25/08/81	B.C. HYDRO	ELECTRICAL DUCTS	COAST MERIDIAN N OF LOUGHEED
PC 676 30/09/81	B.C. HYDRO	B C H P A DUCT	COMO LAKE RD & SHARPE ST COQ
PC 691 23/11/81	B.C. HYDRO	ELECTRICAL DUCTS	BROADWAY, E OF LAKE CITY WAY
PC 718 26/02/82	B.C. HYDRO	4" ELECTRICAL DUCT	HUNTER ST, E OF MTN HWY. NORTH VANCOUVER ELEC. DISTR.
PC 720 05/03/82	B.C. HYDRO	ELECTRICAL DUCT	PIPELINE RD - 91 M S PATHAN AVE., COQUITLAM.
PC 742 28/07/82	B.C. HYDRO	ELECTRICAL DUCT	13611 MITCHELL RD
PC 743 28/07/82	B.C. HYDRO	ELECTRICAL DUCTS	27TH & MANAIMO
PC 755 03/09/82	B.C. HYDRO	ELECTRICAL DUCTS	FRANCIS RD 188M W OF SHELL
PC 758 22/09/82	B.C. HYDRO	ELECTRICAL DUCTS	GLEN & JOHNSON
PC 767 18/11/82	B.C. HYDRO	ELECTRICAL DUCTS	VANNESS & GLADSTONE
PC 772 18/01/83	B.C. HYDRO	ELECTRICAL DUCT	SHARPE & COMO LAKE
PC 806 09/09/83	B.C. HYDRO	BCHPA ELECTRICAL DUCTS	ORWELL & HUNTER
PC 831 01/03/84	B.C. HYDRO	ELECTRICAL DUCT	GLENH DR & JOHNSTON
PC 833 08/03/84	B.C. HYDRO	ELECTRICAL DUCTS	GLEN & MCCOOMB
PC 836 16/03/84	B.C. HYDRO	ELECTRICAL DUCTS	BROADWAY, E OF GAGLARDI
PC 840 04/04/84	B.C. HYDRO	ELECTRICAL DUCTS	PEMBINA & ANNACIS PARKWAY
PC 854 08/06/84	B.C. HYDRO	ELECTRICAL DUCT	SLOCAN, N OF GRANDVIEW
PC 855 21/06/84	B.C. HYDRO	ELECTRICAL DUCT	VANNESS & 24TH
PC 924 29/08/85	B.C. HYDRO	ELECTRICAL DUCTS	L/S 37TH & CARTIER
PC1019 14/05/87	B.C. HYDRO	ELECTRICAL DUCT	RIVER DR & VAN HORNE
PC1041 28/09/87	B.C. HYDRO	ELECTRICAL DUCTS	37TH AVE / MAIN ST
PC1057 10/12/87	B.C. HYDRO	ELECTRICAL DUCTS	KEBET, E OF BROADWAY
PC 935 24/10/85	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	13320 RIVER RD

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PC 523	26/06/78	ASSOCIATED ENGINEERING	WATER MAIN	GLEN & JOHNSTON
PC 771	06/01/83	ASSOCIATED ENGINEERING	C B LEADS AND ELEC DUCTS	BROADWAY & SPERLING
PC 888	11/03/85	ASSOCIATED ENGINEERING	STORM CONNECTION	BROADWAY & SPERLING
PC 103	30/07/70	B.C. HYDRO	5 ELECTRICAL DUCTS	N. ROAD, BROADWAY & COMO LK.
PC 107	24/08/70	B.C. HYDRO	9-4" TRANS. DUCTS.	13' N. SPL HALIFAX ON GILMORE
PC 109	03/09/70	B.C. HYDRO	9 - 4" DUCTS	171/2S X 41/2W NEC ROBINSON & COMO LK
PC 270	29/10/73	B.C. HYDRO	ELECTRICAL	WESTMINSTER & GRAYBAR
PC 482	05/08/77	B.C. HYDRO	BCHPA DUCT	#5 & BLUNDELL
PC 490	12/10/77	B.C. HYDRO	4" ELECT DUCT	COMO LAKE ROAD, NEAR LOUGHEED
PC 516	02/05/78	B.C. HYDRO	ELECT DUCT	COAST MERIDIAN, S OF COQUITLAM
PC 519	24/05/78	B.C. HYDRO	BCHPA DUCT	COAST MERIDIAN & ST ALBERT
PC 520	24/05/78	B.C. HYDRO	ELECT DUCTS	NORTH ROAD & COMO LAKE ROAD
PC 525	27/06/78	B.C. HYDRO	ELECTRICAL DUCTS	37TH & LANARK
PC 527	06/07/78	B.C. HYDRO	ELECTRICAL DUCT	BRIDGE & FRANCIS
PC 558	15/03/79	B.C. HYDRO	BCHPA DUCTS	HASTINGS & KOOTENAY
PC 565	18/07/79	B.C. HYDRO	4" DRAIN	2ND & BOUNDARY
PC 590	19/09/79	B.C. HYDRO	ELECTRICAL DUCT	DYKE RD, N OF HAMILTON
PC 624	23/07/80	B.C. HYDRO	ELECTRICAL DUCTS	SLOCAN & WARD
PC 637	14/01/81	B.C. HYDRO	BCHPA DUCT	UNNAMED RD N OF DUNKIRK AVE & PIPELINE RD, COQUITLAM.
PC 644	21/04/81	B.C. HYDRO	ELECTRICAL DUCTS	PIPELINE RD, 233M S OF PATHAN
PC 652	10/07/81	B.C. HYDRO	ELECTRICAL DUCT	PIPELINE RD S OF OZADA
PC 670	25/08/81	B.C. HYDRO	ELECTRICAL DUCTS	COAST MERIDIAN N OF LOUGHEED
PC 676	30/09/81	B.C. HYDRO	B C H P A DUCT	COMO LAKE RD @ SHARPE ST COQ
PC 691	23/11/81	B.C. HYDRO	ELECTRICAL DUCTS	BROADWAY, E OF LAKE CITY WAY
PC 718	26/02/82	B.C. HYDRO	4" ELECTRICAL DUCT	HUNTER ST, E OF MTN HWY. NORTH VANCOUVER ELEC. DISTR.
PC 720	05/03/82	B.C. HYDRO	ELECTRICAL DUCT	PIPELINE RD - 91 M S PATHAN AVE., COQUITLAM.
PC 742	28/07/82	B.C. HYDRO	ELECTRICAL DUCT	13611 MITCHELL RD
PC 743	28/07/82	B.C. HYDRO	ELECTRICAL DUCTS	27TH & MANAIMO
PC 755	03/09/82	B.C. HYDRO	ELECTRICAL DUCTS	FRANCIS RD 188M W OF SHELL
PC 758	22/09/82	B.C. HYDRO	ELECTRICAL DUCTS	GLEN & JOHNSON
PC 767	16/11/82	B.C. HYDRO	ELECTRICAL DUCTS	VANNESS & GLADSTONE
PC 772	18/01/83	B.C. HYDRO	ELECTRICAL DUCT	SHARPE & COMO LAKE
PC 806	09/09/83	B.C. HYDRO	BCHPA ELECTRICAL DUCTS	ORWELL & HUNTER
PC 831	01/03/84	B.C. HYDRO	ELECTRICAL DUCT	GLENN DR & JOHNSTON
PC 833	08/03/84	B.C. HYDRO	ELECTRICAL DUCTS	GLEN & MCCOOMB
PC 836	16/03/84	B.C. HYDRO	ELECTRICAL DUCTS	BROADWAY, E OF GAGLARDI
PC 840	04/04/84	B.C. HYDRO	ELECTRICAL DUCTS	PENBINA & ANNACIS PARKWAY
PC 854	08/06/84	B.C. HYDRO	ELECTRICAL DUCT	SLOCAN, W OF GRANDVIEW
PC 855	21/06/84	B.C. HYDRO	ELECTRICAL DUCT	VANNESS & 24TH
PC 924	29/08/85	B.C. HYDRO	ELECTRICAL DUCTS	L/S 37TH & CARTIER
PC1019	14/05/87	B.C. HYDRO	ELECTRICAL DUCT	RIVER DR & VAN HORNE
PC1041	28/09/87	B.C. HYDRO	ELECTRICAL DUCTS	37TH AVE / MAIN ST
PC1057	10/12/87	B.C. HYDRO	ELECTRICAL DUCTS	KEBET, E OF BROADWAY
PC 935	24/10/85	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	13320 RIVER RD

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PC 956 24/01/86	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	CROWN & ORWELL
PC 984 25/06/86	B.C. HYDRO ELECTRICAL	4" DUCT	FELL AVE & WEST 3RD
PC 989 23/07/86	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	3RD, E OF MACKAY
PC 990 24/07/86	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	BROADWAY, W OF NORTH RD
PC1000 23/09/86	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	37TH & SOPHIA
PC1010 05/02/87	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	HALIFAX & DOUGLAS
PC1021 08/06/87	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	RIVER RD W OF #6
PC1038 11/09/87	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	NO 3 & CAPSTAN
PC1061 21/01/88	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	GRAYBAR RD.
PC1062 21/01/88	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	BROADWAY & KESBET
PC1068 03/03/88	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	ELLIOT, S OF MARINE
PC1072 31/03/88	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	GLEN & JOHNSON
PC1076 19/04/88	B.C. HYDRO ELECTRICAL	BCHPA DUCTS	RIVER RD & SIMPSON
PC1080 11/05/88	B.C. HYDRO ELECTRICAL	ELECTRICAL DUCTS	GLEN, E OF WESTWOOD
PC 936 28/10/85	B.C. HYDRO ENGINEERING	ELECTRICAL DUCTS	S END OF 2ND NARROWS
PC 104 30/07/70	B.C. TELEPHONE	14" A.C. PIPE	23' E SNC COMO LK & GATENSURRY
PC 113 07/10/70	B.C. TELEPHONE	DUCT	BRUNETTE & LOUGHEED, COQUITLAN.
PC 272 06/11/73	B.C. TELEPHONE	BCT	WESTMINSTER & GRAYBAR
PC 305 04/05/74	B.C. TELEPHONE	BCT	ST. GEORGES - 6TH TO 13TH 19TH TO 24TH
PC 505 20/03/78	B.C. TELEPHONE	BCT DUCTS	VALENONT, SOUTH OF RIVER ROAD
PC 509 05/04/78	B.C. TELEPHONE	BCT DUCT	CLARKE & GLENAYRE
PC 513 21/04/78	B.C. TELEPHONE	BCT DUCT	BROADWAY & SPERLING
PC 517 09/05/78	B.C. TELEPHONE	BCT DUCTS	BROADWAY, EAST OF DUTHIE
PC 521 24/05/78	B.C. TELEPHONE	BCT DUCTS	VULCAN WAY & NO 6 ROAD
PC 528 17/07/78	B.C. TELEPHONE	BCT DUCTS	RIVER ROAD & NO 6 ROAD
PC 531 22/08/78	B.C. TELEPHONE	BCT DUCT	GLEN & JOHNSTON
PC 532 23/08/78	B.C. TELEPHONE	BCT DUCT	FRANCIS RD & ASHWOOD
PC 536 13/09/78	B.C. TELEPHONE	BCT DUCT	ST ALBERT & COAST MERIDIAN
PC 537 08/10/78	B.C. TELEPHONE	BCT DUCT	MITCHELL RD, E OF KNIGHT ST BRIDGE
PC 538 19/10/78	B.C. TELEPHONE	BCT DUCT	WOOD & SALTER
PC 544 15/11/78	B.C. TELEPHONE	BCT DUCT	MITCHELL RD E OF NO 5 RD
PC 545 16/11/78	B.C. TELEPHONE	BCT DUCTS	MITCHELL RD, E OF NO 5
PC 588 06/09/79	B.C. TELEPHONE	BCT DUCTS	VIVIAN & L/N & L/S 47TH
PC 592 12/10/79	B.C. TELEPHONE	BCT DUCTS	OAK ST BRIDGE R/W & RIVER RD
PC 606 04/03/80	B.C. TELEPHONE	BCT DUCTS	NO 3 RD & BRIDGEPORT
			1) BETA AVE & L/S BRENT LAWN
			2) L/S BRENT LAWN W OF BETA
PC 620 06/06/80	B.C. TELEPHONE	BCT DUCTS	COMO LAKE RD & GREENE ST., COQUITLAN
PC 640 28/01/81	B.C. TELEPHONE	BCT DUCTS	ADANAC ST & KOOTENAY ST
PC 662 07/08/81	B.C. TELEPHONE	BCT DUCTS	L/S 3RD & WOODLAND
PC 664 12/08/81	B.C. TELEPHONE	BCT DUCTS	PIPELINE RD, S OF PINE TREE WAY
PC 682 16/10/81	B.C. TELEPHONE	TEL DUCT	COMO LAKE RD AT SHARPE ST
PC 684 27/10/81	B.C. TELEPHONE	TEL DUCTS	SPRINGER & BROADWAY
PC 685 06/11/81	B.C. TELEPHONE	TEL DUCTS	BRIDGEMAN & COAST MERIDIAN
PC 697 11/12/81	B.C. TELEPHONE	B C TEL DUCTS	COMO LAKE & SHARPE

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PC 702 14/12/81	B.C. TELEPHONE	B C TEL DUCT	BROADWAY & LAKE CITY WAY
PC 722 02/04/82	B.C. TELEPHONE	B C TEL DUCT	DELTA & BRENTLAWN/HALIFAX
PC 725 02/04/82	B.C. TELEPHONE	B C TEL DUCT	GLEN DR & JOHNSON
PC 737 04/06/82	B.C. TELEPHONE	B C T DUCT	HALIFAX & GILMORE
PC 770 21/12/82	B.C. TELEPHONE	DUCT	WOODLAND DR & 5TH AVE
PC 777 08/02/83	B.C. TELEPHONE	TEL DUCT	37TH & HEATHER
PC 786 24/03/83	B.C. TELEPHONE	TEL DUCTS	NO 4 & RIVER RD
PC 790 18/04/83	B.C. TELEPHONE	TEL DUCTS	14TH & VICTORIA
PC 795 21/06/83	B.C. TELEPHONE	B C T DUCTS	BROADWAY & SPERLING
PC 801 05/08/83	B.C. TELEPHONE	TEL DUCT	MARINE DR & CAPILANO RIVER
PC 809 22/09/83	B.C. TELEPHONE	BCT DUCTS	HUNTER & MTN HWY
PC 812 04/10/83	B.C. TELEPHONE	TEL DUCTS	GLEN & JOHNSON
PC 832 06/03/84	B.C. TELEPHONE	TEL DUCTS	37TH & ROSS
PC 834 12/03/84	B.C. TELEPHONE	BCT DUCTS	GLEN & MCCOOMB
PC 865 20/09/84	B.C. TELEPHONE	BCT DUCTS	BLUEMOUNTAIN & COMO LAKE
PC 866 20/09/84	B.C. TELEPHONE	BCT DUCTS	COMO LAKE & PORTER
PC 874 02/11/84	B.C. TELEPHONE	BC TEL DUCTS	ANNACIS ISL CAUSEWAY
PC 875 13/11/84	B.C. TELEPHONE	BCT DUCT	1100 BLK MITCHELL RD RMD
PC 884 18/02/85	B.C. TELEPHONE	TEL DUCT	SLOCAN & KINGSWAY
PC 885 20/02/85	B.C. TELEPHONE	B C TEL CASING	N END LIONS GATE BRIDGE
PC 887 05/03/85	B.C. TELEPHONE	BCT DUCTS	BROADWAY & SPERLING, LAWRENCE
PC 928 12/09/85	B.C. TELEPHONE	TEL DUCTS	NO 3RD, N OF CAPSTAN
PC 937 28/10/85	B.C. TELEPHONE	B C T DUCTS	BOUNDARY & DYKE RD
PC 949 11/12/85	B.C. TELEPHONE	TEL DUCTS	KOOTENAY & L/W OXFORD
PC 980 17/06/86	B.C. TELEPHONE	BCT DUCTS	SLOCAN & EUCLID
PC 999 18/09/86	B.C. TELEPHONE	BC TEL DUCTS	FELL & 2ND
PC1001 16/10/86	B.C. TELEPHONE	TEL DUCTS	ELLIOT & KENT
PC1036 27/08/87	B.C. TELEPHONE	TEL DUCTS	MITCHELL RD
PC1053 18/11/87	B.C. TELEPHONE	BCT DUCT	ORWELL & CROWN
PC1060 08/01/88	B.C. TELEPHONE	TEL DUCTS	KEBET & BROADWAY
PC1066 16/02/88	B.C. TELEPHONE	TEL DUCTS	FELL & 3RD ST
PC1070 04/03/88	B.C. TELEPHONE	B C TEL DUCTS	KING EDWARD & BRUNETTE
PC1082 25/05/88	B.C. TELEPHONE	TEL DUCTS	FRANCIS, E OF HEATHER
PC1084 03/06/88	B.C. TELEPHONE	TEL DUCTS	GLEN, E OF WESTWOOD
PC1088 27/06/88	B.C. TELEPHONE	B C T DUCTS	RIVER RD, E OF CHARLES
PC1090 04/07/88	B.C. TELEPHONE	TEL DUCTS	PRAIRIE & NEWBERRY
PC 848 16/05/84	B.C. TRANSIT	DUCT BANK	GRANVIEW & WOODLAND
PC 849 16/05/84	B.C. TRANSIT	DUCT BANK	SLOCAN ST
PC 850 16/05/84	B.C. TRANSIT	DUCT BANK	MANAIMO & VANNESS
PC 112 21/09/70	BURNABY	8" CATCH BASIN	ON PANDORA AT WARWICK
PC 115 27/10/70	BURNABY	10" SANITARY SEWER	PENZANCE & GAMMA
PC 116 11/09/70	BURNABY	8" STORM SEWER	PANDORA, WARWICK TO SEA
PC 120 11/02/71	BURNABY	4" SANITARY SEWER	2ND AVENUE & ESMOND
PC 123 29/03/71	BURNABY	8" WATER MAIN	TATLOW & 15TH STREET
PC 125 07/04/71	BURNABY	3/4" WATER	BROADWAY W. OF WOOLWICH
PC 128 21/05/71	BURNABY	IMPERIAL OIL	BROADWAY & PRODUCTION WAY
PC 134 07/06/71	BURNABY	B.C.H.P.A.	GILMORE & 2ND AVENUE

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PC 135	15/06/71	BURNABY	6" WATER	HOWARD & PANDORA
PC 138	06/07/71	BURNABY	12" SEWER	PARKER & SPRINGER
PC 141	13/08/71	BURNABY	ELECTRICAL	RUMBLE & GILLEY
PC 143	20/09/71	BURNABY	SEWER	BROADWAY W. OF SPERLING L. 216, BLK. 9, D.L. 131
PC 144	20/09/71	BURNABY	WATER	BROADWAY W. OF SPERLING L. 216, BLK. 9, D.L. 131
PC 147	08/10/71	BURNABY	WATER	16TH & BRITTON
PC 156	21/10/71	BURNABY	3/4" WATER	SPRINGER & PARKER
PC 157	29/10/71	BURNABY	6" WATER	SPRINGER & NATION
PC 159	18/11/71	BURNABY	3/4" WATER	SPERLING & BROADWAY
PC 160	21/11/71	BURNABY	3/4" WATER	WOOLWICH & BROADWAY
PC 161	21/11/71	BURNABY	B.C.T.	BROADWAY & GAGLARDI
PC 169	08/12/71	BURNABY	3/4" WATER	BROADWAY & CLIFF
PC 172	31/01/72	BURNABY	3/4" WATER	BROADWAY & SPERLING
PC 173	07/02/72	BURNABY	10" SANITARY SEWER	HOLDON & PANDORA
PC 175	18/02/72	BURNABY	6" A.C.W.	PHILIPS & BROADWAY
PC 176	18/02/72	BURNABY	B.C.H.P.A.	SUMNER & NORFOLK
PC 177	21/02/72	BURNABY	8" SANITARY SEWER	BROADWAY W. OF KENSINGTON
PC 178	21/02/72	BURNABY	8" SANITARY SEWER	WOOLWICH ON BROADWAY
PC 179	21/02/72	BURNABY	8" SANITARY SEWER	BROADWAY W. OF FELL
PC 180	21/02/72	BURNABY	8" SANITARY SEWER	BROADWAY E. OF FELL
PC 181	21/02/72	BURNABY	8" SANITARY SEWER	BROADWAY E. OF HOLDON
PC 185	11/04/72	BURNABY	6" SANITARY SEWER	BROADWAY E. OF KENSINGTON
PC 186	11/04/72	BURNABY	3/4" WATER 6" SAN. SEWER	BROADWAY E. OF KENSINGTON
PC 193	24/07/72	BURNABY	3/4" WATER 6" SAN. SEWER	BROADWAY & KENSINGTON
PC 194	01/08/72	BURNABY	B.C.H.P.A.	BROADWAY & PHILIPS
PC 195	02/08/72	BURNABY	CATCH BASINS	HALIFAX ST. @ TARALAWN & WOODLAND PL.
PC 197	11/08/72	BURNABY	CATCH BASIN AND STORM SEWER	BROADWAY, EAST OF SPERLING, BBT
PC 198	14/08/72	BURNABY	BCHPA	SPRING & SPRINGDALE
PC 199	22/08/72	BURNABY	SEWER INTERCEPTOR	BRIDGEWAY - RUPERT ST. TO WILLINGDON
PC 200	29/08/72	BURNABY	12" SANITARY SEWER	GILMORE AVE. & HALIFAX ST.
PC 201	07/09/72	BURNABY	3/4" WATER SERV	8756, 8806 & 8845 BROADWAY
PC 203	20/09/72	BURNABY	BCT	WILLINGDON & HALIFAX
PC 204	20/09/72	BURNABY	BCT	GILMORE & HALIFAX
PC 207	06/10/72	BURNABY	8" S. SEWER	HAMMERSJOLD & PANDORA
PC 212	30/10/72	BURNABY	20" SANITARY SEWER	HALIFAX & ROSSER
PC 213	31/10/72	BURNABY	3/4" WATER	SPRINGER, SOUTH OF PARKLAWN
PC 215	06/11/72	BURNABY	11/4 PVC STREET LIGHT	BROADWAY, EAST OF ELLERSLIE ST
PC 216	27/11/72	BURNABY	3/4"	BROADWAY, W OF SPERLING
PC 221	11/01/73	BURNABY	6" SANITARY SEWER	MADISON & DAVISON
PC 225	23/01/73	BURNABY	BCT	BROADWAY PHILLIPS TO ARDEN
PC 226	26/01/73	BURNABY	6" STORM SEWER	BROADWAY & FELL
PC 232	02/04/73	BURNABY	8" STORM SEWER	SUMNER & MANOR
PC 235	07/05/73	BURNABY	6" WATER	HALIFAX & GILMORE
PC 236	07/05/73	BURNABY	42" S SEWER	BROADWAY & UNDERHILL
PC 237	07/05/73	BURNABY	3/4 WATER	BROADWAY & KENSINGTON

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PC 240	15/05/73	BURNABY	STORM SEWER	BROADWAY WEST OF SPERLING
PC 251	19/07/73	BURNABY	BCHPA	BROADWAY & SPERLING
PC 259	14/08/73	BURNABY	18" S SEWER	MCDONALD & 2ND AVE
PC 260	15/08/73	BURNABY	WATER	SPRINGER & SPRINGDALE
PC 261	12/09/73	BURNABY	3/4 WATER	ON BROADWAY, EAST OF DUTHIE
PC 265	28/09/73	BURNABY	BCT	SPRINGER & HALIFAX BRENTLAWN & HALIFAX
PC 274	23/11/73	BURNABY	STREET LIGHTING	2ND AVE. & HALIFAX
PC 278	04/12/73	BURNABY	WATER	BUCHANAN & BROADWAY
PC 283	23/01/74	BURNABY	10" WATER	2820 UNDERHILL
PC 289	21/03/74	BURNABY	ELECTRICAL	2ND & GILMORE
PC 292	17/04/74	BURNABY	3/4 WATER	1404 PIPELINE ROAD
PC 297	13/05/74	BURNABY	8" WATER	BROADWAY WEST OF LAKE CITY
PC 300	28/05/74	BURNABY	3/4 WATER	BROADWAY & SPERLING
PC 317	22/07/74	BURNABY	BCHPA	DOUGLAS RD & HALIFAX
PC 325	15/10/74	BURNABY	S SEWER	UNION & SPRINGER
PC 327	28/10/74	BURNABY	WATER	BROADWAY & HOLDON
PC 335	22/01/75	BURNABY	4" SANITARY SEWER	BROADWAY & BAINBRIDGE
PC 336	28/01/75	BURNABY	BCHPA	KNIGHT ST BRIDGE & MITCHELL RD
PC 340	17/02/75	BURNABY	SEWER	5531 BROADWAY
PC 345	19/03/75	BURNABY	3 2" BCHPA	PENZANCE DR, N OF SCENIC HWY
PC 348	04/04/75	BURNABY	18" SANITARY SEWER	STILL CREEK & SUMNER
PC 352	26/06/75	BURNABY	8" CATCH BASIN	SPRINGER & L/S UNION
PC 355	30/06/75	BURNABY	6" C B LEAD	BROADWAY, E OF WOOLWICH
PC 357	07/07/75	BURNABY	60" S S & 15" SAN SEWER	BROADWAY AVE, WEST OF BUCHANAN DR
PC 358	07/07/75	BURNABY	6" WATER	BROADWAY & BUCHANAN DR
PC 360	24/07/75	BURNABY	ELECTRICAL CABLE	PENZANCE DR, E OF GAMMA
PC 361	28/07/75	BURNABY	6" S SEWER	GAMMA & PENZANCE
PC 362	31/07/75	BURNABY	TEMPORARY CROSSING	PRODUCTION WAY & BROADWAY
PC 364	22/08/75	BURNABY	BCT CABLE	PENZANCE & GAMMA
PC 374	16/12/75	BURNABY	3/4 WATER	SPRINGER AVE & UNION ST.
PC 376	16/02/76	BURNABY	3/4" WATER	6945 BROADWAY
PC 377	04/03/76	BURNABY	BCHPA CABLE	EAST BROADWAY @ CLIFF AVE.
PC 378	04/03/76	BURNABY	BCHPA CABLE	EAST BROADWAY 1540' E OF NORTH RD
PC 379	04/03/76	BURNABY	BCHPA CABLE	GILMORE @ HALIFAX, HALIFAX @ DOUGLAS
PC 380	04/03/76	BURNABY	BCHPA CABLE	MADISON & DOUGLAS
PC 381	04/03/76	BURNABY	BCHPA CABLE	EAST BROADWAY - WEST OF LAKE CITY WAY
PC 382	04/03/76	BURNABY	BCHPA CABLE	UNDERHILL @ E. BROADWAY
PC 383	04/03/76	BURNABY	BCHPA CABLE	E. BROADWAY @ UNDERHILL
PC 384	04/03/76	BURNABY	BCHPA CABLE	E. BROADWAY @ LAKE CITY WAY
PC 385	24/03/76	BURNABY	VARIOUS SERVICES	BROADWAY & CORE ROAD
PC 386	24/03/76	BURNABY	8" SANITARY SEWER	BROADWAY @ SEWER R/W
PC 387	24/03/76	BURNABY	8" SANITARY SEWER	BROADWAY & UNDERHILL
PC 388	24/03/76	BURNABY	10" SS, ELECTRICAL CONDUIT	BROADWAY & GAGLARDI
PC 389	24/03/76	BURNABY	8" S SEWER LEAD	BROADWAY EXTENSION
PC 390	24/03/76	BURNABY	21" S SEWER	BROADWAY R.W
PC 391	24/03/76	BURNABY	8" S SEWER LEAD	BROADWAY EXTENSION
PC 392	24/03/76	BURNABY	8" S SEWER LEAD	BROADWAY EXTENSION

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PC 393 28/04/76	BURNABY	8" S SEWER	BROADWAY, WEST OF SPERLING
PC 402 03/06/76	BURNABY	BCHPA ELECT	BROADWAY AT L/E OF LAKEDAL & GAGLARDI WAY
PC 404 25/06/76	BURNABY	6" WATERMAIN	PANDORA & ELLESMERE
PC 407 29/06/76	BURNABY	6" WATERMAIN	CAMBRIDGE & GAMMA
PC 412 26/07/76	BURNABY	8" SANITARY SEWER	BROADWAY WEST OF GAGLARDI WAY
PC 414 09/08/76	BURNABY	2 4" BCH DUCTS	E 2ND AVE. & INGLETON
PC 419 26/08/76	BURNABY	72" CULVERT PEDESTRIAN WALK	BROADWAY & STONEY CREEK
PC 435 13/12/76	BURNABY	3/4 WATER, 6" S SEWER	BROADWAY & SPERLING
PC 442 17/02/77	BURNABY	12" S SEWER	GEORGIA ST & SPRINGER AVE
PC 453 13/04/77	BURNABY	4 3/4" WATER	BROADWAY & BAINBRIDGE
PC 454 27/04/77	BURNABY	4 BCH DUCTS	BROADWAY & GAGLARDI
PC 455 03/05/77	BURNABY	BCT DUCTS	UNDERHILL EASTLAKE
PC 456 09/05/77	BURNABY	BCT DUCTS	LAKE CITY WAY & BROADWAY
PC 457 09/05/77	BURNABY	BCT DUCTS	UNDERHILL 500' S OF BROADWAY
PC 469 21/06/77	BURNABY	BCT	PRODUCTION WAY & BROADWAY
PC 479 27/07/77	BURNABY	BCT DUCTS	BROADWAY & LAWRENCE DR
PC 487 30/09/77	BURNABY	6" CB LEAD	MADISON AVE & DAWSON ST
PC 496 04/11/77	BURNABY	TRAFFIC SIGNAL	HALIFAX & WILLINGDON
PC 498 13/01/78	BURNABY	8" WATER	SPRINGER & BROADWAY
PC 502 13/02/78	BURNABY	20" WATER	BROADWAY & UNDERHILL
PC 503 13/02/78	BURNABY	6" WATER	BROADWAY BETWEEN LAKE CITY WAY AND UNDERHILL
PC 542 08/11/78	BURNABY	30" STORM SEWER	ARDEN & BROADWAY
PC 557 12/03/79	BURNABY	STREET LIGHTING DUCTS	PANDORA ST, EMPIRE DR
PC 569 27/04/79	BURNABY	6" SANITARY SEWER	MADISON AVE & LAWSON
PC 572 04/05/79	BURNABY	2 - 3/4" WATER SERVICES	7730 & 36 BROADWAY
PC 582 11/07/79	BURNABY	8" WATER	HALIFAX ST & WOODWAY PL
PC 587 24/08/79	BURNABY	2 - 4" BCHPA DUCTS	BROADWAY AT GAGLARDI
PC 622 16/06/80	BURNABY	200MM WATER SERVICE	GAMMA AVE & SCENIC DR
PC 629 14/10/80	BURNABY	STREET LIGHTING (4 LOC)	BROADWAY W OF NANTON WAY
PC 635 05/12/80	BURNABY	SANITARY SEWER	2ND & BOUNDARY
PC 657 24/07/81	BURNABY	300MM S SEWER	PANDORA & FELL
PC 658 24/07/81	BURNABY	WATER MAIN	HALIFAX, E OF DOUGLAS
PC 660 24/07/81	BURNABY	C B LEADS	BROADWAY & BUCHANAN
PC 746 10/08/82	BURNABY	WATER	SPRINGER & HALIFAX
PC 864 17/09/84	BURNABY	WATER	BROADWAY & LAWRENCE DR
PC1064 05/02/88	BURNABY DISTRICT	STREET LIGHTING	SPRINGER & HALIFAX
PC1067 26/02/88	BURNABY DISTRICT	WATER SERVICE	HALIFAX & DOUGLAS
PC1071 08/03/88	BURNABY DISTRICT	WATER SERVICE	SPRINGER & BRAELAWN
PC1075 18/04/88	BURNABY DISTRICT	STREET LIGHTING, DRAIN TILE	SPRINGER & BROADWAY
PC1079 11/05/88	BURNABY DISTRICT	WATER MAIN	WILLINGDON & HALIFAX
PC 713 02/02/82	BURNABY ENGINEERING DEPT	8 C.I.W.	BROADWAY, W OF LAWRENCE
PC 775 21/01/83	BURNABY ENGINEERING DEPT	STREET LIGHT, C B LEAD	SHELLMONT & ARDEN
PC 793 31/05/83	BURNABY ENGINEERING DEPT	WATER SERVICE	BROADWAY & SPERLING
PC 805 30/08/83	BURNABY ENGINEERING DEPT	20MM WATER SERVICE	1700 BLK SPRINGER
PC 816 26/10/83	BURNABY ENGINEERING DEPT	D I W MAIN	SPRINGER & SPRINGDALE

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PC 819 03/11/83	BURNABY ENGINEERING DEPT	WATER SERV	BROADWAY & FELL
PC 824 /83	BURNABY ENGINEERING DEPT	W SERVICES	BROADWAY, E OF HOLDON
PC 907 14/05/85	BURNABY ENGINEERING DEPT	WATER MAIN	BROADWAY W OF NORCREST CT
PC 983 25/06/86	BURNABY ENGINEERING DEPT	ST LIGHTING STORM SEWER	BROADWAY & CLIFF
PC 436 10/01/77	CANADIAN NATIONAL RAILWAY	SPUR LINE	NATIONAL AVENUE (RICH)
PC 826 /83	CANADIAN NATIONAL RAILWAY	MAIN RELOCATION	
PC 613 08/04/80	CANADIAN PACIFIC RAILWAY	8" FIRE LINE	TRENTON ST, S OF LOUGHEED HWY (UNDER MARY HILL BY-PASS)
PC 102 09/07/70	COQUITLAM	30" SANITARY SEWER CONNECTION	24' W SEC COMO LK. & N. ROAD
PC 117 01/12/70	COQUITLAM	8" WATER	COMO LK. & NORTH ROAD
PC 118 01/12/70	COQUITLAM	6" WATER	COMO LK AT BLUE MTN., LILLIAN & LONGLAC
PC 127 06/04/71	COQUITLAM	SEWER SERVICE	1028 COMO LAKE ROAD
PC 140 09/08/71	COQUITLAM	B.C.H.P.A.	COMO LAKE & ROBINSON
PC 142 10/09/71	COQUITLAM	SANITARY SEWER	COMO LAKE - E OF BAKER DRIVE
PC 146 29/09/71	COQUITLAM	B.C.H.P.A.	COMO LAKE & POIRIER
PC 148 08/10/71	COQUITLAM	8" SANITARY SEWER	COMO LAKE & CLAREMONT
PC 149 08/10/71	COQUITLAM	8" SANITARY SEWER	COMO LAKE & 195' E. CLAREMONT
PC 150 12/10/71	COQUITLAM	8" SANITARY SEWER	COMO LAKE & FARROW
PC 151 12/10/71	COQUITLAM	8" SANITARY SEWER	COMO LAKE & 150' W. FARROW
PC 152 12/10/71	COQUITLAM	8" SANITARY SEWER	COMO LAKE & E/S EMERSON
PC 153 12/10/71	COQUITLAM	8" SANITARY SEWER	COMO LAKE & W/S EMERSON
PC 154 12/10/71	COQUITLAM	8" SANITARY SEWER	COMO LAKE & 75 E. ELMWOOD
PC 155 12/10/71	COQUITLAM	8" SANITARY SEWER	COMO LAKE & LILLIAN
PC 174 07/02/72	COQUITLAM	B.C.H.P.A.	COMO & GATENSURRY
PC 182 23/02/72	COQUITLAM	12" WATER	COMO & BAKER
PC 183 30/03/72	COQUITLAM	30" SANITARY SEWER	COMO LAKE, CLARENDON & ELMWOOD
PC 188 03/05/72	COQUITLAM	B.C.H.P.A.	COMO LAKE & ROBINSON
PC 192 18/07/72	COQUITLAM	SANITARY SEWER	COMO LAKE AT GREEN, L/W LOUGHEED 500' W. OF GREEN
PC 217 28/11/72	COQUITLAM	2 11/4" ELECTRICAL CONDUIT	COMO LAKE AVE. & CLARKE ROAD
PC 233 17/04/73	COQUITLAM	6" WATER MAIN	SURF CRESCENT
PC 250 12/07/73	COQUITLAM	S SEWER	ROBINSON & COVINA
PC 252 24/07/73	COQUITLAM	BCHPA	PORTER & COMO LAKE
PC 273 15/11/73	COQUITLAM	6" WATER	CLARKE RD & CHAPMAN
PC 284 02/01/74	COQUITLAM	HIGHWAY	COMO LAKE ROAD
PC 285 04/02/74	COQUITLAM	50 X 31 SEWER	COMO LAKE & GREEN
PC 315 08/07/74	COQUITLAM	3/4" WATER	1204 PIPELINE RD, COQ.
PC 321 26/09/74	COQUITLAM	WATER	1386 & 1402 PIPELINE RD
PC 322 27/09/74	COQUITLAM	SANITARY SEWER	PIPELINE RD & GLEN DRIVE
PC 324 07/10/74	COQUITLAM	SANITARY SEWER	LOUGHEED & COMO LAKE AVE
PC 326 17/10/74	COQUITLAM	BCT DUCTS	BARNET & LANSDOWNE
PC 329 22/11/74	COQUITLAM	BCHPA	COMO LAKE & ROBINSON
PC 347 27/03/75	COQUITLAM	SANITARY SEWER	OZADA AVE & PIPELINE RD
PC 365 16/09/75	COQUITLAM	BCHPA DUCT	COMO LAKE RD, NEAR NEW LOUGHEED HIGHWAY DIVERSION
PC 375 19/12/75	COQUITLAM	6" WATER	PIPELINE ROAD & PATTAN AVE.
PC 418 23/08/76	COQUITLAM	ELECTRIC DUCT	COMO LAKE & BLUE MOUNTAIN

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PC 426 29/09/76	COQUITLAM	BCT DUCT	COMO LAKE & BLUE MOUNTAIN
PC 443 17/02/77	COQUITLAM	3" BCT DUCT	@ COMO LAKE GATE STATION
PC 450 17/03/77	COQUITLAM	WATER SERVICE	1100 BLOCK COMO LAKE
PC 451 31/03/77	COQUITLAM	8" SANITARY, 24" S SEWER	COMO LAKE & SHARPE ST
PC 460 27/05/77	COQUITLAM	6" WATER	JOHNSON & COMO LAKE
PC 466 15/06/77	COQUITLAM	S SEWER	PIPELINE ROAD
PC 468 21/06/77	COQUITLAM	STREET LIGHTING	SPURAWAY NORTH OF PINNACLE.
PC 470	COQUITLAM	BCHPA DUCT	LANDSDOWNE S OF GLEN
PC 475 11/07/77	COQUITLAM	BCT DUCT	BCHPA R/W & SERVICE ROAD, NORTH OF #8 GATE STATION
PC 476 11/07/77	COQUITLAM	2 4" BCT DUCTS	LANDSDOWNE N OF BARNET
PC 477 14/07/77	COQUITLAM	DRIVEWAY	3002 SPURAWAY, (WP 172)
PC 478 15/07/77	COQUITLAM	BCHPA DUCT	BARNET HIGHWAY
PC 481 02/08/77	COQUITLAM	GVSDD SEWERS	LOUGHEED & COMO LAKE
PC 486 22/09/77	COQUITLAM	SANDBAGGING	BARNET HWY, WEST OF LANDSDOWNE
PC 492 04/11/77	COQUITLAM	BCT DUCTS	GLEN & PIPELINE ROAD
PC 493 04/11/77	COQUITLAM	BCT DUCTS	OZADA & PIPELINE RD
PC 494 04/11/77	COQUITLAM	BCT DUCTS	DUNKIRK & PIPELINE
PC 495 04/11/77	COQUITLAM	BCT DUCTS	PATHAN & PIPELINE RD
PC 501 08/02/78	COQUITLAM	8" WATER	COMO LAKE RD BETWEEN LOUGHEED HWY
PC 522 16/06/78	COQUITLAM	WATER SERVICES	WESTWOOD STREET
PC 535 30/08/78	COQUITLAM	C B LEADS	LANDSDOWN - GLEN & BARNET
PC 540 31/10/78	COQUITLAM	12" S SEWER	COMO LAKE RD, NORTH RD TO ELNWOOD
PC 551 26/01/79	COQUITLAM	3/4" WATER MAIN	COMO LAKE AVE @ ST LAURENCE ST
PC 589 07/09/79	COQUITLAM	WATER SERVICE	PIPELINE RD
PC 593 13/11/79	COQUITLAM	CONCRETE CULVERTS	PIPELINE RD, N OF GLEN
PC 599 10/01/80	COQUITLAM	BCT DUCTS	PIPELINE RD
PC 609 17/03/80	COQUITLAM	BCHPA DUCTS (2 XINGS)	ROBSON ST @ COMO LAKE RD
PC 610 03/04/80	COQUITLAM	ELEC DUCTS (TRAFFIC SIG)	COMO LAKE RD AT WESTWOOD
PC 611 03/04/80	COQUITLAM	ELEC DUCTS (TRAFFIC SIG)	COMO LAKE RD & POIRIER ST
PC 612 03/04/80	COQUITLAM	ELEC DUCTS (TRAFFIC SIG)	COMO LAKE RD & LINTON ST
PC 614 18/04/80	COQUITLAM	8" WATER	COMO LAKE RD & ROBINSON ST
PC 615 23/04/80	COQUITLAM	150MM WATER MAIN 6-20MM WATER	OZADA & PIPELINE
PC 617 02/06/80	COQUITLAM	BCT DUCTS	LANDSDOWNE ST, S OF GLEN DR
PC 628 07/10/80	COQUITLAM	37MM WATER SERVICE	MARY HILL BY-PASS
PC 633 31/10/80	COQUITLAM	19MM COPPER WATER SERVICE	COMO LAKE RD, W OF ROBINSON ST
PC 634 31/10/80	COQUITLAM	19MM COPPER WATER SERVICE	PIPELINE RD S OF GALLETT AVE
PC 641 03/02/81	COQUITLAM	19MM COPPER WATER SERVICE	COMO LAKE RD W OF BANTING ST
PC 646 11/06/81	COQUITLAM	200MM FIRE LINE	COMO LAKE RD @ BANTING ST
PC 647 16/06/81	COQUITLAM	COPPER WATER SERVICE	GLEN DR E OF WESTWOOD ST
PC 653 17/07/81	COQUITLAM	19MM COPPER WATER SERVICE	COMO LAKE AVE, E OF TOWNLEY ST
PC 654 21/07/81	COQUITLAM	20MM COPPER WATER SERVICE	GLEN DR @ UNNAMED RD E OF LANDSDOWNE
PC 655 21/07/81	COQUITLAM	100MM SANITARY SEWER	GLEN DR ON W/S OF PINE TREE WAY
PC 659 24/07/81	COQUITLAM	COPPER WATER SERVICE	GLEN DR ON W/S OF PINE TREE WAY
PC 673 23/09/81	COQUITLAM	COPPER WATER SERVICE	COMO LAKE, E OF HAILEY
			COMO LAKE BET ROBINSON & DOGWOOD

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PC 911	26/06/85	COQUITLAM	WATER	LOUGHEED HWY & COMO LAKE
PC 925	05/09/85	COQUITLAM	WATER & SANITARY SEWER	GLEN DR
PC 977	27/05/86	COQUITLAM	ALL UTILITIES	GLEN DR (BETWEEN LANSLOWNE & JOHNSON)
PC 208	13/10/72	COQUITLAM DISTRICT	18" S. SEWER	CLARKE RD & COMO LAKE ROAD
PC 209	13/10/72	COQUITLAM DISTRICT	4" FIRELINE & 1 1/2 METER	1204 PIPELINE RD
PC 211	23/10/72	COQUITLAM DISTRICT	12" STORM	COMO LAKE RD & CLARKE
PC 271	02/11/73	COQUITLAM DISTRICT	WATER	COMO LAKE BANTING TO TOWNLEY
PC 781	02/03/83	COQUITLAM DISTRICT	SANITARY SEWER	PIPELINE RD & OZADA AVE
PC1046	01/10/87	COQUITLAM DISTRICT	STORM SEWERS	COMO LAKE AND SEYMOUR DRIVE
PC 681	13/10/81	COQUITLAM ENGINEERING DEPT	20MM WATER SERVICE	PIPELINE RD, S OF GALLETT
PC 690	19/11/81	COQUITLAM ENGINEERING DEPT	WATER MAIN	PIPELINE RD
PC 705	12/01/82	COQUITLAM ENGINEERING DEPT	COPPER WATER SERVICE	PIPELINE RD, S OF GALLETT
PC 732	28/04/82	COQUITLAM ENGINEERING DEPT	SANITARY SEWER	PIPELINE RD, APPROX 80 M SOUTH OF OZADA
PC 747	16/08/82	COQUITLAM ENGINEERING DEPT	WATER SERVICES, WATER MAIN	PIPELINE RD, N OF GLEN
PC 748	20/08/82	COQUITLAM ENGINEERING DEPT	SANITARY SEWER SERVICE	PIPELINE RD, S OF OZADA
PC 773	18/01/83	COQUITLAM ENGINEERING DEPT	WATER SERVICE	REGENT & COMO LAKE
PC 778	08/02/83	COQUITLAM ENGINEERING DEPT	WATER SERVICE	COMO LAKE & SPURWAY
PC 783	14/03/83	COQUITLAM ENGINEERING DEPT	WATER SERVICES	PIPELINE & REDONDA
PC 815	25/10/83	COQUITLAM ENGINEERING DEPT	C B LEADS	LANSLOWNE & RUNNEL
PC 820	03/11/83	COQUITLAM ENGINEERING DEPT	C B LEADS	PIPELINE ROAD
PC 853	22/05/84	COQUITLAM ENGINEERING DEPT	WATER SERVICE	PIPELINE RD, N OF GLEN
PC 859	26/07/84	COQUITLAM ENGINEERING DEPT	STORM SEWER	COMO LAKE AVE
PC 860	26/07/84	COQUITLAM ENGINEERING DEPT	STREET LIGHTING	COMO LAKE AVE
PC 889	13/03/85	COQUITLAM ENGINEERING DEPT	WATER SERV SAN SEWER SERVICE	COMO LAKE AVE
PC 896	17/04/85	COQUITLAM ENGINEERING DEPT	ST LGT, S S TRAFFIC SIGNALS	COMO LAKE RD
PC 899	26/04/85	COQUITLAM ENGINEERING DEPT	WATER MAIN	COMO LK & BLUE MTN
PC 965	28/02/86	COQUITLAM ENGINEERING DEPT	S S, ST LGT, TRAFFIC SIGNALS	COMO LAKE RD
PC 979	13/06/86	COQUITLAM ENGINEERING DEPT	STORM SEWER	COMO LAKE & FARROW
PC 994	19/08/86	COQUITLAM ENGINEERING DEPT	STREET LIGHTING	GLEN & JOHNSON
PC1078	05/05/88	COUNTRY WEST CONSTRUCTION	ELECTRICAL DUCTS	SALTER & SPRICE
PC 139	03/08/71	CROWN FOREST PRODUCTS		FRASER MILLS
PC1089	04/07/88	DAYROSS DEVELOPMENT	STORM SEWER	RUNNEL & LANSLOWNE
PC 518	18/05/78	DAYTON & KNIGHT	4" DI WATER	GAGLARDI WAY
PC 802	15/08/83	DAYTON & KNIGHT	4" WATERMAIN	GAGLARDI WAY
PC 825	/83	DAYTON & KNIGHT	WATERMAIN	GLENAYRE DRIVE
PC1081	25/05/88	DELCAN CONSTRUCTION	DRAIN PIPES	S F U
PC 437	/01/77	DEPT OF HIGHWAYS	30" CULVERT	LOUGHEED HWY AT COAST MERIDIAN
PC 976	27/05/86	DEPT OF HIGHWAYS	ELECTRIC CONDUIT	WESTMINSTER HWY @ HAMILTON
PC1086	14/06/88	DEPT OF HIGHWAYS	STREET LIGHTING, TRAFFIC	BROADWAY & MARY HILL BYPASS
PC 166	01/12/71	DOMINION CONSTRUCTION	RAILROAD	BRIDGEPORT W. OF VIKING
PC 462	15/06/77	DOVER ENGINEERING	CURB	ON PINNACLE SOUTH OF SPURWAY. PERMIT #'S GIVEN VERBALLY TO F. LEIGH, MOTH, 15/6/77.
PC 463	15/06/77	DOVER ENGINEERING	SIDEWALK	ON PINNACLE SOUTH OF SPURWAY. PERMIT #'S GIVEN VERBALLY TO F. LEIGH, MOTH, 15/6/77.
PC 464	15/06/77	DOVER ENGINEERING	CURB	ON SURF CRES SOUTH OF SPURWAY. PERMIT #'S GIVEN VERBALLY TO F. LEIGH, MOTH, 15/6/77.

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PC 465	15/06/77	DOVER ENGINEERING	SIDEWALK	ON SURF CRES SOUTH OF SPURWAY. PERMIT #'S GIVEN VERBALLY TO F. LEIGH, MOTH, 15/6/77.
PC 639	28/01/81	DOVER ENGINEERING	150MM WATER & 300MM ST S	ON PIPELINE RD @ DUNKIRK AVE AND RD N OF DUNKIRK, PORT COQUITLAM.
PC 643	03/04/81	DOVER ENGINEERING	STREET LIGHT & WATER SERVICE	PIPELINE & DUNKIRK
PC 736	20/05/82	DUNCAN KONDRA ENGINEERING	16MM SANITARY SEWER	2ND & BOUNDARY
PC 165	01/12/71	FRASER VALLEY GAS	SEWER	DEWDNEY & HYDRO R/W
PC 724	02/04/82	FRASER VALLEY GAS	ROAD	LOUGHEED & SHARPE
PC 847	11/05/84	GENSTAR DEVELOPMENT	WATER	TRENTON ST
PC 605	20/02/80	GLOBE EXCAVATING, W. VAN.	5 X 8 BOX CULVERT	PIPELINE RD @ OZADA AVE, COQ
PC 651	06/07/81	GULF CANADA	D I WATER	GLENAYRE DR, PORT MOODY
PC1028	17/07/87	HAMILTON ASSOCIATES	S S C B'S, WATER SERV & 150 MM	LANDSDOWNE/EAGLERIDGE
PC 675	29/09/81	HAYES, LAIRD ENGINEERING	WATER SERVICES	PIPELINE RD, S OF PATHAN
PC 731	26/04/82	HAYES, LAIRD ENGINEERING	CURBS	BROADWAY & ARDEN
PC 736	29/06/83	HAYES, LAIRD ENGINEERING	SEWERS ST CULVERT, ST LGT DUCT	GLEN DR COQ
PC 645	25/05/81	HUNTER, LAIRD ENGINEERING	200MM SANITARY SEWER	PIPELINE RD S OF OZADA AVE., NEW WEST
PC 656	23/07/81	HUNTER, LAIRD ENGINEERING	WATER, S SEWER	PIPELINE RD, S OF PATHAN
PC 663	11/08/81	HUNTER, LAIRD ENGINEERING	STREET LIGHTING	ARDEN AVE S OF RD 1 (S OF BROADWAY)
PC 666	17/08/81	HUNTER, LAIRD ENGINEERING	200MM SANITARY SEWER	BROADWAY AVE (N/S) @ LAKE CITY WAY
PC 667	17/08/81	HUNTER, LAIRD ENGINEERING	200MM SANITARY SEWER	BROADWAY AVE (S/S) @ LAKE CITY WAY
PC 668	17/08/81	HUNTER, LAIRD ENGINEERING	4-200MM & 1-1050MM S SEWER	ON ARDEN AVE BROADWAY TO SHELLMONT ST
PC 669	19/08/81	HUNTER, LAIRD ENGINEERING	ASPHALT CURB & GUTTER	PIPELINE RD FROM RD A NORTH TO PINE TREE WAY
PC 694	04/12/81	HUNTER, LAIRD ENGINEERING	6" SANITARY SEWER	BCHPA R/W & SPURWAY
PC 784	15/03/83	HUNTER, LAIRD ENGINEERING	WATER SERVICES	PIPELINE RD
PC 821	14/11/83	HUNTER, LAIRD ENGINEERING	C B LEAD S SEWER TRAFFIC SIGNA	CONO LAKE & MARINER WAY
PC1048	04/11/87	HUNTER, LAIRD ENGINEERING	WATER	BROADWAY & KEBET
PC1063	01/02/88	HUNTER, LAIRD ENGINEERING	STREET LIGHTING	BROADWAY & KEBET
PC 548	19/12/78	IRA YOUNG & ASSOC	SANITARY SEWER	LANDSDOWNE ST
PC 515	26/04/78	JACK CEVE LTD	3 4" BCT & 2 3" BCT	ON PIPELINE ROAD, 5981' & 6863' N OF GALETTE AVE
PC 671	22/09/81	JACK CEVE LTD	STEEL DRAINAGE PIPE	N OF GALETTE ON PIPELINE RD
PC 672	22/09/81	JACK CEVE LTD	STEEL DRAINAGE PIPE	N OF GALETTE ON PIPELINE RD
PC1011	18/02/87	JACK CEVE LTD	6" DRAINAGE PIPE	PIPELINE RD
PC 942	13/11/85	KERR WOOD LEIDAL ASSOCIATES	WATER MAIN	HUNTER & ORWELL
PC 943	13/11/85	KERR WOOD LEIDAL ASSOCIATES	SANITARY SEWER	HUNTER & ORWELL
PC1043	01/10/87	KERR WOOD LEIDAL ASSOCIATES	SANITARY SEWERS	ORWELL & CROWN
PC1044	01/10/87	KERR WOOD LEIDAL ASSOCIATES	STORM SEWERS	ORWELL & CROWN
PC1045	01/10/87	KERR WOOD LEIDAL ASSOCIATES	WATERMANS	ORWELL & CROWN
PC 714	12/02/82	KERWOOD ASSOC	350MM WATER	SECOND NARROWS (N END)
PC 904	06/05/85	LEE, MELNECHENKO & ASSOC	SANITARY SEWER, W H	LOUGHEED & COAST MERIDIAN
PC 689	18/11/81	MCLEHANNY ENGINEERING	ST LGT WATER & STORM SEWER	N OF GLEN DR, E OF JOHNSON RD
PC 703	28/12/81	MCLEHANNY ENGINEERING	10" WATER 6" WATER	GLEN DR, E OF JOHNSON
PC 710	29/01/82	MCLEHANNY ENGINEERING	GABION	GLEN & JOHNSON
PC 991	28/07/86	MCLEHANNY ENGINEERING	STORM SEWERS	GLENAYRE & ANGELA
PC 931	02/10/85	MIN OF TRANSP. & HIGHWAYS	ROAD	TRENTON & LOUGHEED

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PC 960 14/02/86	MIN OF TRANSP. & HIGHWAYS	CULVERT	#9 & WESTMINSTER HWY
PC 961 14/02/86	MIN OF TRANSP. & HIGHWAYS	CULVERT	#9 & WESTMINSTER HWY
PC 970 09/04/86	MIN OF TRANSP. & HIGHWAYS	TEMPORARY CULVERT	HAMILTON ROAD
PC 996 20/08/86	MIN OF TRANSP. & HIGHWAYS	ELECTRICAL CONDUIT	WESTMINSTER HWY & HAMILTON RD
PC 749 20/08/82	NEW WESTMINSTER ENG DEPT	SANITARY SEWER	SALTER & PEMBINA
PC 766 16/11/82	NEW WESTMINSTER ENG DEPT	WATER MAIN	SALTER, CAMPBELL TO BOYNE
PC 768 02/12/82	NEW WESTMINSTER ENG DEPT	CULVERTS	SALTER & HUME, HAMPTON & HOWES
PC 769 06/12/82	NEW WESTMINSTER ENG DEPT	WATER MAIN	SALTER & HOWES
PC 858 25/07/84	NEW WESTMINSTER ENG DEPT	18" CULVERT	SALTER, S-OF SPRICE
PC 586 09/07/79	NEW WESTMINSTER, CITY OF	8" WATER	SALTER & JARDINE
PC1029 22/07/87	NEW WESTMINSTER, CITY OF	WATER PIPES	SALTER & SPRICE
PC 717 18/02/82	NORTH VANCOUVER CITY ENG DEPT	150MM WATER	6TH ST AT 3RD ST
PC 803 18/08/83	NORTH VANCOUVER CITY ENG DEPT	5 SAN SERV 1-6" WATER	6TH & ST GEORGES
PC 818 02/11/83	NORTH VANCOUVER CITY ENG DEPT	WATER SERV	7TH & SUTHERLAND
PC 827 /83	NORTH VANCOUVER CITY ENG DEPT	WATER SERVICE	6TH ST W OF ST DAVID
PC 883 01/02/85	NORTH VANCOUVER CITY ENG DEPT	WATER SERVICE	7TH & SUTHERLAND
PC 892 26/03/85	NORTH VANCOUVER CITY ENG DEPT	100MM SANITARY SEWER	3RD & FELL
PC 905 14/05/85	NORTH VANCOUVER CITY ENG DEPT	WATER SERVICE	3RD & FELL
PC 923 20/08/85	NORTH VANCOUVER CITY ENG DEPT	WATER SERVICE	6TH, W OF CHESTERFIELD
PC 975 13/05/86	NORTH VANCOUVER CITY ENG DEPT	200 PVC C B LEAD	6TH & ST ANDREWS
PC 981 19/06/86	NORTH VANCOUVER CITY ENG DEPT	WATER SERVICE	6TH & ST GEORGES
PC 988 16/07/86	NORTH VANCOUVER CITY ENG DEPT	150 WATER	7TH & QUEENSBURY
PC1003 27/10/86	NORTH VANCOUVER CITY ENG DEPT	SANITARY SEWER	HUNTER & ORWELL
PC1009 28/01/87	NORTH VANCOUVER CITY ENG DEPT	WATER SERVICE	6TH ST & ST DAVIDS
PC 829 /83	NORTH VANCOUVER DIST ENG DEPT	WATER SERVICE	WEST 5TH STREET
PC 839 04/04/84	NORTH VANCOUVER DIST ENG DEPT	WATER MAIN	15TH & BRIDGEMAN
PC 902 02/05/85	NORTH VANCOUVER DIST ENG DEPT	WATER SERVICES	HUNTER, E OF MTN HWY
PC 922 19/08/85	NORTH VANCOUVER DIST ENG DEPT	3/4" WATER SERVICE	HUNTER ST
PC 940 13/11/85	NORTH VANCOUVER DIST ENG DEPT	SANITARY SEWER	HUNTER ST
PC 941 13/11/85	NORTH VANCOUVER DIST ENG DEPT	WATER SERVICE	W 15TH ST
PC 950 17/12/85	NORTH VANCOUVER DIST ENG DEPT	WATER MAIN	LLOYD & 15TH
PC 126 15/04/71	NORTH VANCOUVER DISTRICT	36" SANITARY SEWER	TATLOW AVE. & 15TH ST.
PC 206 29/09/72	NORTH VANCOUVER DISTRICT	30" S.SEWER	PENBERTON, 15TH ST. & LLOYD
PC 218 11/12/72	NORTH VANCOUVER DISTRICT	6" STORM	LYNN & MAIN
PC 220 27/12/72	NORTH VANCOUVER DISTRICT	STORM SEWER	MARINE & MCGUIRE
PC 242 22/05/73	NORTH VANCOUVER DISTRICT	2" WATER	LLOYD & ROOSEVELT
PC 244 03/07/73	NORTH VANCOUVER DISTRICT	2" WATER	BROOKSBANK & 3RD
PC 246 04/07/73	NORTH VANCOUVER DISTRICT	WATER	15TH & LLOYD
PC 254 30/07/73	NORTH VANCOUVER DISTRICT	WATER	HARBOUR & MAIN
PC 255 30/07/73	NORTH VANCOUVER DISTRICT	WATER	15TH ST. & LLOYD
PC 319 09/08/74	NORTH VANCOUVER DISTRICT	8 SEWER	15TH ST TATLOW TO PENBERTON
PC 337 05/02/75	NORTH VANCOUVER DISTRICT	WATER	MCGUIRE, S OF MARINE DR.
PC 341 21/02/75	NORTH VANCOUVER DISTRICT	BCT	MARINE & MCGUIRE
PC 458 13/05/77	NORTH VANCOUVER DISTRICT	12" WATER	15TH & LLOYD
PC 512 18/04/78	NORTH VANCOUVER DISTRICT	4" SANITARY SEWER	ON ORWELL ST, S OF RUPERT ST
PC 719 05/03/82	NORTH VANCOUVER DISTRICT	1 1/2 WATER	MOUNTAIN HWY & HUNTER
PC 727 16/04/82	NORTH VANCOUVER DISTRICT	CURBS	15TH & BOWSER, MCGOWAN

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PC1025 22/06/87	NORTH VANCOUVER DISTRICT	S SEWER & WATER	15TH & BRIDGEMAN
PC 750 26/08/82	NORTH VANCOUVER ENG DEPT	WATER MAIN	JONES & TRANS CANADA
PC 145 22/09/71	NORTH VANCOUVER, CITY OF	12" STORM SEWER	6TH & MAHON
PC 223 23/01/73	NORTH VANCOUVER, CITY OF	8", 10" 21" STORM SEWER	6TH ST. & 5TH ST
PC 230 20/03/73	NORTH VANCOUVER, CITY OF	S SEWER	WINCH & 3RD ST.
PC 234 07/05/73	NORTH VANCOUVER, CITY OF	STORM SEWER	WINCH & 3RD ST.
PC 238 08/05/73	NORTH VANCOUVER, CITY OF	BCT	3RD & WINCH
PC 239 15/05/73	NORTH VANCOUVER, CITY OF	SEWER	MARINE DRIVE & MCQUIRE
PC 241 22/05/73	NORTH VANCOUVER, CITY OF	WATER	BROOKSBANK & 3RD
PC 257 10/08/73	NORTH VANCOUVER, CITY OF	SEWER	BARROW STREET
PC 266 28/09/73	NORTH VANCOUVER, CITY OF	BCT	7TH & RIDGEWAY
PC 267 12/10/73	NORTH VANCOUVER, CITY OF	SANITARY SEWER	6TH & 470' E OF LONSDALE
PC 286 25/02/74	NORTH VANCOUVER, CITY OF	STREET LIGHTING	6TH ST. & CHESTERFIELD
PC 294 11/04/74	NORTH VANCOUVER, CITY OF	BCT	6TH ST & ST. GEORGES
PC 318 26/07/74	NORTH VANCOUVER, CITY OF	12" WATER	MAHON AVE. & 6TH ST.
PC 420 07/09/76	NORTH VANCOUVER, CITY OF	BCT	MOUNTAIN HIGHWAY, FERN TO KEITH
PC 461 27/05/77	NORTH VANCOUVER, CITY OF	BCT DUCTS	6TH & CHESTERFIELD
PC 472 27/06/77	NORTH VANCOUVER, CITY OF	6" WATER	6TH & ST GEORGES
PC 485 13/09/77	NORTH VANCOUVER, CITY OF	WATER MAIN	14TH STREET @ LLOYD
PC 504 15/02/78	NORTH VANCOUVER, CITY OF	8" WATER	ON MACKAY @ 3RD ST
PC 550 17/01/79	NORTH VANCOUVER, CITY OF	4" STORM SEWER	JONES & 24TH ST
PC 584 18/07/79	NORTH VANCOUVER, CITY OF	36" S SEWER	JONES & KEITH RD
PC 596 12/12/79	NORTH VANCOUVER, CITY OF	2" WATER	3RD ST, W OF DONAGHY AVE
PC 616 01/05/80	NORTH VANCOUVER, CITY OF	4" SAN SEWER, 3/4" WATER	7TH ST & RIDGEWAY, 16" TP
PC 636 06/01/81	NORTH VANCOUVER, CITY OF	4" SANITARY SEWER	L/N OF 6TH ST, W OF MAHON AVE
PC 677 01/10/81	NORTH VANCOUVER, CITY OF	C B LEAD	L/S 26TH & JONES
PC 678 01/10/81	NORTH VANCOUVER, CITY OF	C B LEAD	L/N 26TH & JONES
PC 744 04/08/82	NORTH VANCOUVER, CITY OF	TRAFFIC DUCT	KEITH RD & CLOVERLEY
PC 823 /83	NORTH VANCOUVER, CITY OF	WATER SERVICE	744 E 7TH STREET
PC 846 08/05/84	NORTH VANCOUVER, CITY OF	WATER	MAHON & W 6TH ST
PC 967 19/03/86	NORTH VANCOUVER, CITY OF	CATCH BASIN BCT BCHPA	MARINE DR & CAPILANO
PC 968 01/04/86	NORTH VANCOUVER, CITY OF	100MM STORM SEWER	FELL & 2ND
PC 969 01/04/86	NORTH VANCOUVER, CITY OF	19MM WATER SERVICE	FELL & 2ND
PC1033 31/07/87	NORTH VANCOUVER, CITY OF	GAS LINE & AIR LINE	2ND & BEWICKE
PC1069 03/03/88	NORTH VANCOUVER, CITY OF	150 DRAIN	JONES & UPPER LEVELS
PC 638 23/01/81	P WEBSTER & ASSOC	3-WATER SERVICES	ON 3RD ST E OF LLOYD AVE., NORTH VANCOUVER.
PC 642 16/03/81	P WEBSTER & ASSOC	2-150MM C B LEADS	ON ORWELL ST N OF CROWN ST., COQUITLAM.
PC 798 15/07/83	P WEBSTER & ASSOC	C B LEADS	ORWELL ST
PC 122 16/02/71	PORT COQUITLAM	54" SEWER	CPR R/W E OF BCHPA R/W
PC 306 04/05/74	PORT COQUITLAM	BCHPA	MONTROSE & COMO LAKE
PC 430 29/11/76	PORT COQUITLAM	BCT DUCTS	LOUGHEED & TRENTON/DONINION
PC 432 02/12/76	PORT COQUITLAM	30" CULVERT	VICINITY LOUGHEED & TRENTON ST
PC 564 05/04/79	PORT COQUITLAM	WATER MAIN	LOUGHEED & COAST MERIDIAN
PC 575 16/05/79	PORT COQUITLAM	BCT DUCT	RD N OF LOUGHEED & COAST MERIDIAN
PC 630 14/10/80	PORT COQUITLAM	STREET LIGHTING	TRENTON & LOUGHEED
PC 648 25/06/81	PORT COQUITLAM	WATER SERVICE	COAST MERIDIAN N OF LOUGHEED

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PC1047 26/10/87	PORT COQUITLAM DISTRICT	STORM SEWER WATERMAIN	BROADWAY & KEBET
PC 330 04/12/74	PORT MOODY	BCT	GLENAYRE & MOUNT ROYAL DRIVE
PC 570 11/05/79	PORT MOODY	BCHPA DUCT	COAST MERIDIAN & RD N OF LOUGHEED
PC 734 10/05/82	RANNALA ENGINEERING	C B LEADS	PIPELINE ROAD
PC 735 18/05/82	RANNALA ENGINEERING	SANITARY SEWER SERVICE	PIPELINE ROAD
PC 947 02/12/85	RANNALA ENGINEERING	WATER SERVICE	COAST MERIDIAN & COQUITLAM AVE
PC 995 20/08/86	RANNALA ENGINEERING	ELECTRICAL CONDUIT	COAST MERIDIAN & L/S COQUITLAM
PC 105 19/08/70	RICHMOND	12" A.C. WATER	NELSON & SECTION LINE
PC 129 21/05/71	RICHMOND	B.C.T.	ANNACIS ISLAND
PC 130 21/05/71	RICHMOND	B.C.T.	ANNACIS ISLAND
PC 131 21/05/71	RICHMOND	B.C.T.	ANNACIS ISLAND
PC 132 21/05/71	RICHMOND	B.C.T.	ANNACIS ISLAND
PC 133 21/05/71	RICHMOND	B.C.T.	ANNACIS ISLAND
PC 137 28/06/71	RICHMOND	B.C.T.	RIVER RD. & CAMBIE RD.
PC 191 10/07/72	RICHMOND	C.N.R.	NO. 6 RD. (CASTROL OILS)
PC 205 28/04/72	RICHMOND	BCT	NO. 5 ROAD & RIVER
PC 245 03/07/73	RICHMOND	SEWER	DYKE
PC 263 20/08/73	RICHMOND	STORM SEWER	RIVER DRIVE & SHELL RD
PC 299 23/05/74	RICHMOND	20" WATER	KNIGHT ST. BRIDGE & MITCHELL
PC 301 29/05/74	RICHMOND	6" SANITARY SEWER	RIVER DRIVE & VAN HORNE
PC 308 27/06/74	RICHMOND	ELECTRICAL	CROMPTON & MITCHELL
PC 316 17/07/74	RICHMOND	8" WATER	#6 RD & BRIDGEPORT RD
PC 328 05/11/74	RICHMOND	BCHPA	RIVER RD & KNIGHT ST.
PC 331 23/12/74	RICHMOND	BCT	FRASER & KENT
PC 332 24/12/74	RICHMOND	BCT	RIVER RD & KNIGHT ST BRIDGE
PC 342 12/03/75	RICHMOND	3/4" WATER	RIVER AVE & SHELL
PC 349 23/04/75	RICHMOND	DRAIN DISCHARGE	SHELL & RIVER RD
PC 350 06/05/75	RICHMOND	BCHPA	DYKE ROAD
PC 351 15/05/75	RICHMOND	3/4" WATER SERVICE	RIVER DR & VAN HORNE WAY
PC 356 02/07/75	RICHMOND	SANITARY SEWER	NATIONAL AVE., E OF #6 RD
PC 359 07/07/75	RICHMOND	SANITARY SEWER	NATIONAL AVE (VULCAN) EAST OF #6
PC 363 18/08/75	RICHMOND	SANITARY SEWER	OAK ST & RIVER DR
PC 365 09/09/75	RICHMOND	BCT DUCT	DYKE RD N OF HAMILTON RD
PC 367 24/09/75	RICHMOND	BCT DUCT	S DYKE RD, N OR HAMILTON RD S OF QUEENSBOROUGH
PC 370 24/10/75	RICHMOND	STORM SEWER BOX CULVERT	RIVER DR & NO. 4 ROAD
PC 373 19/11/75	RICHMOND	STORM SEWER	ON MITCHELL RD - S OF UNNAMED ROAD, S OF TWIGG RD
PC 410 08/07/76	RICHMOND	8 ST WATER	#3 ROAD & BRIDGEPORT
PC 413 26/07/76	RICHMOND	2 4" BCH DUCTS	RIVER RD & SIMPSON RD
PC 416 12/08/76	RICHMOND	BCT DUCT	RIVER RD & SIMPSON RD
PC 417 19/08/76	RICHMOND	RC CULVERT	MITCHELL RD & TIPPING RD
PC 422 08/09/76	RICHMOND	11/2 WATER	RIVER RD, W NO 5 ROAD
PC 424 15/09/76	RICHMOND	BCT	RIVER RD & DOUGLAS ST
PC 431 30/11/76	RICHMOND	8" DRAIN CULVERTS	RIVER ROAD, FROM #6 ROAD TO SAVAGE
PC 434 06/12/76	RICHMOND	SANITARY SEWER	RIVER ROAD
PC 444 21/02/77	RICHMOND	6" CONCRETE CULVERT	ON NO 6 ROAD @ WESTMINSTER HWY

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PC 445	21/02/77	RICHMOND	36" CULVERT	ON WESTMINSTER HWY @ #6 ROAD
PC 446	04/03/77	RICHMOND	30" S SEWER	#5 ROAD & BLUNDELL
PC 447	08/03/77	RICHMOND	8" SANITARY SEWER	RIVER DR & NO 4 ROAD
PC 449	14/03/77	RICHMOND	6" SANITARY SEWER	RIVER DR BETWEEN #4 & SHELL
PC 459	16/05/77	RICHMOND	1 1/2" WATER	#5 & BLUNDELL
PC 467	17/06/77	RICHMOND	RAILWAY SPUR	SAVAGE & RAILWAY
PC 473	27/06/77	RICHMOND	SANITARY SEWER	#3 BRIDGEPORT RD RIVER
PC 474	27/06/77	RICHMOND	S SEWER FLOOD BOX	NO 6 & RIVER ROAD
PC 488	05/10/77	RICHMOND	6 SANITARY SEWER	NO 3 & DOUGLAS ROAD
PC 489	12/10/77	RICHMOND	12" WATER	SAVAGE RD & NATIONAL AVE
PC 500	07/02/78	RICHMOND	12" WATER	HAMILTON RD & WESTMINSTER HWY
PC 511	17/04/78	RICHMOND	8" STEEL WATER	ON NATIONAL AVE (VULCAN WAY E OF NO 6 ROAD)
PC 529	25/07/78	RICHMOND	3/4" WATER	BLUNDELL RD BETWEEN NO 5 RD & SIDAWAY RD
PC 530	03/08/78	RICHMOND	6" WATER	FRANCIS RD & ASHWOOD GT
PC 533	25/09/78	RICHMOND	STEEL WATER MAIN	BLUNDELL & SIDAWAY
PC 534	25/08/78	RICHMOND	STEEL WATER MAIN	BLUNDELL & NO 5
PC 546	23/11/78	RICHMOND	WATER MAIN	RIVER DR & VAN HORNE WAY
PC 553	12/02/79	RICHMOND	WATER & STORM SEWER	VALMONT WAY
PC 555	01/03/79	RICHMOND	BCHPA DUCTS	MITCHELL RD, W OF TIPPING RD
PC 556	01/03/79	RICHMOND	WATER MAIN	NELSON RD & BCHPA R/W S OF WESTMINSTER HIGHWAY
PC 559	19/03/79	RICHMOND	24" STORM SEWER	BRIDGEPORT & NO 3 RD
PC 561	28/03/79	RICHMOND	8" WATER	CAPSTAN & RIVER RD
PC 562	29/03/79	RICHMOND	12" WATER	NO 3 RD & BRIDGEPORT
PC 563	29/03/79	RICHMOND	12" WATER	CAMBIE & RIVER RD
PC 565	20/04/79	RICHMOND	WATER MAIN	#3 RD & SEA ISLAND WAY
PC 566	24/04/79	RICHMOND	STORM SEWER	SHELL, W OF RIVER RD
PC 567	24/04/79	RICHMOND	ELEC CONDUIT	NO 3 RD, W OF SEA ISLAND WAY
PC 568	24/04/79	RICHMOND	UNDERGROUND CABLES	NO 3 RD & BRIDGEPORT
PC 573	08/05/79	RICHMOND	2" WATER	BLUNDELL RD, W OF SIDAWAY RD
PC 594	04/11/79	RICHMOND	350MM ACW (14")	NO 4 RD @ MITCHELL RD
PC 595	04/11/79	RICHMOND	150MM ACW (8")	MITCHELL RD & KNIGHT ST BRIDGE
PC 597	20/12/79	RICHMOND	750MM CONC S S	MITCHELL RD, E OF TIPPING RD
PC 598	09/01/80	RICHMOND	BCT DUCTS	(IN FRONT OF #13200 MITCHELL)
PC 600	14/01/80	RICHMOND	200MM WATER	WESTMINSTER HWY @ GRAYBAR RD
PC 601	22/01/80	RICHMOND	300MM WATER	NO 4 RD @ RIVER DR
PC 602	29/01/80	RICHMOND	675MM ST S	RIVER RD @ UNNAMED RD & BCHPA R/W, W OF NO 7 RD
PC 608	06/03/80	RICHMOND	300MM WATER	RIVER RD, W OF CAMBIE RD
PC 623	18/07/80	RICHMOND	600MM ST S	DYKE RD @ HAMILTON RD
PC 631	22/10/80	RICHMOND	40MM WATER SERVICE	BLUNDELL, E OF SHELL
PC 632	22/10/80	RICHMOND	40MM WATER SERVICE	WESTMINSTER HWY E OF GRAYBAR RD
PC 649	02/07/81	RICHMOND	STORM DRAIN	WESTMINSTER HWY W OF GRAYBAR RD
PC 661	06/08/81	RICHMOND	SANITARY SEWER	BOUNDARY RD, RICH
				RIVER DR, E OF OAK ST BRIDGE

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PC 674 24/09/81	RICHMOND	WATER MAIN	RIVER DR BET NO 4 & SHELL
PC 683 16/10/81	RICHMOND	SANITARY SEWER	RIVER DRIVE & VAN HORNE WAY
PC 686 09/11/81	RICHMOND	WATER MAIN	#6 & BLUNDELL
PC 687 10/11/81	RICHMOND	WATER MAIN	#6 & GRANVILLE #6, N OF BLUNDELL
PC 695 08/12/81	RICHMOND	WATER MAIN	#9 RD & WESTMINSTER HWY
PC 763 08/10/82	RICHMOND	WATER MAIN	NO 6 & BLUNDELL
PC 780 02/03/83	RICHMOND	WATERMAIN	DYKE RD & HAMILTON RD
PC 828 /83	RICHMOND	WATERMAIN	BLUNDELL RD & SIDAWAY
PC 912 26/06/85	RICHMOND	WATER	HAMILTON & WESTMINSTER HWY
PC 919 07/08/85	RICHMOND	WATER	VULCAN & NO 6
PC 920 07/08/85	RICHMOND	WATER	NO 6
PC 921 12/08/85	RICHMOND	SANITARY SEWER	NO 6 RD
PC 927 10/09/85	RICHMOND	C B LEADS	NEW GRAYBAR, S OF WESTMINSTER HWY
PC 985 26/06/86	RICHMOND	STREET LIGHTING	NO 3 RD & BECKWITH RD
PC 986 26/06/86	RICHMOND	200 P V C WATERMAIN	NO 6 RD & NATIONAL AVE R/W
PC1004 28/10/86	RICHMOND	SANITARY SEWER	MITCHELL RD
PC1005 31/10/86	RICHMOND	STORM SEWER	RIVER RD & CAPSTAN
PC1006 28/11/86	RICHMOND	STORM SEWER	WESTMINSTER HWY
PC1007 12/12/86	RICHMOND	B C TEL	CAPSTAN WAY W/O #3 RD RICH
PC1032 30/07/87	RICHMOND	WATERMAIN	GRAYBAR & WESTMINSTER HWY
PC1034 05/08/87	RICHMOND	B C T DUCT	WESTMINSTER HWY GRAYBAR RD
PC1049 05/11/87	RICHMOND	WATERMAIN	OAK ST BRIDGE R/W
PC1050 10/11/87	RICHMOND	BCT DUCT	DYKE RD
PC1054 20/11/87	RICHMOND	WATERMAIN	NEW GRAYBAR RD
PC1055 26/11/87	RICHMOND	WATERMAIN	DYKE RD
PC1056 03/12/87	RICHMOND	WATERMAIN	9331 FRANKS RD
PC1059 07/01/88	RICHMOND	ELECTRICAL DUCTS	FRANCIS, W OF ASH
PC1073 06/04/88	RICHMOND	WATER SERVICE	RIVER RD & SIMPSON
PC1074 11/04/88	RICHMOND	WATER SERVICE	23240 DYKE RD
PC1083 02/06/88	RICHMOND	WATER SERVICE	BLUNDELL & #6
PC1085 08/06/88	RICHMOND	STREET LIGHTING DUCTS	RIVER RD N OF CHARLES
PC 896 10/12/81	RICHMOND ENGINEERING DEPT	WATER MAIN	NO 6, N OF BLUNDELL
PC 898 14/12/81	RICHMOND ENGINEERING DEPT	10" STORM SEWER	6TH ST, BET 3RD & DELBRUCK
PC 899 14/12/81	RICHMOND ENGINEERING DEPT	6" D I WATER MAIN	6TH ST, BET 3RD & DELBRUCK
PC 700 14/12/81	RICHMOND ENGINEERING DEPT	6" SANITARY SEWER	6TH ST, BET 3RD & DELBRUCK
PC 701 14/12/81	RICHMOND ENGINEERING DEPT	12" STORM SEWER	6TH ST, BET 3RD & DELBRUCK
PC 704 29/12/81	RICHMOND ENGINEERING DEPT	WATER MAIN & SERVICE	BLUNDELL, NO 5 TO SIDAWAY
PC 706 20/01/82	RICHMOND ENGINEERING DEPT	WATER MAIN	RIVER RD, N OF CAMBIE
PC 707 20/01/82	RICHMOND ENGINEERING DEPT	STORM SEWER	RIVER RD, N OF CAMBIE
PC 708 20/01/82	RICHMOND ENGINEERING DEPT	STORM SEWER	RIVER RD, N OF CAMBIE
PC 712 02/02/82	RICHMOND ENGINEERING DEPT	BCT & BCHPA DUCTS	RIVER RD & BATH SLOUGH
PC 715 18/02/82	RICHMOND ENGINEERING DEPT	150MM WATER	NO 3 ROAD
PC 716 18/02/82	RICHMOND ENGINEERING DEPT	300MM WATER	RIVER RD, N OF CAMBIE
PC 726 06/04/82	RICHMOND ENGINEERING DEPT	STORM SEWER	#6 N OF VULCAN
PC 730 23/04/82	RICHMOND ENGINEERING DEPT	WATER SERVICES	#6 N OF BLUNDELL
PC 733 07/05/82	RICHMOND ENGINEERING DEPT	WATER SERVICE	WESTMINSTER HWY, E OF NO 9
PC 754 02/09/82	RICHMOND ENGINEERING DEPT	WATER SERVICES	#6 RD, S OF GRANVILLE

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PC 776 21/01/83	RICHMOND ENGINEERING DEPT	WATER SERVICE	HAMILTON & WESTMINSTER HWY
PC 810 29/09/83	RICHMOND ENGINEERING DEPT	WATER MAIN	#9 & WESTMINSTER HWY
PC 813 06/10/83	RICHMOND ENGINEERING DEPT	WATER MAIN	#3 & BRIDGEPORT
PC 814 06/10/83	RICHMOND ENGINEERING DEPT	WATER MAIN	DOUGLAS & CHARLES
PC 817 28/10/83	RICHMOND ENGINEERING DEPT	WATER MAIN	#3 RD BRIDGEPORT TO RIVER
PC 830 /83	RICHMOND ENGINEERING DEPT	STORM SEWER	DOUGLAS & RIVER RD
PC 837 16/03/84	RICHMOND ENGINEERING DEPT	40MM WATER	NO 3 & BRIDGEPORT
PC 856 06/07/84	RICHMOND ENGINEERING DEPT	200 WATERMAIN	CHARLES & RIVER RD
PC 863 11/09/84	RICHMOND ENGINEERING DEPT	ROADWAY	RIVER RD, SHELL TO #5
PC 870 01/10/84	RICHMOND ENGINEERING DEPT	WATER MAIN	CHARLES & DOUGLAS
PC 873 30/10/84	RICHMOND ENGINEERING DEPT	WATER	BOUNDARY, S OF WESTMINSTER HWY
PC 879 28/12/84	RICHMOND ENGINEERING DEPT	STORM SEWER	RIVER RD, #5 RD TO SHELL
PC 895 17/04/85	RICHMOND ENGINEERING DEPT	WATER SERVICE	20471 WESTMINSTER HWY
PC 900 26/04/85	RICHMOND ENGINEERING DEPT	WATER MAIN	3331 NO 3 RD
PC 901 02/05/85	RICHMOND ENGINEERING DEPT	WATER MAIN	DYKE RD & HAMILTON
PC 909 18/06/85	RICHMOND ENGINEERING DEPT	WATER MAIN	DYKE RD, W OF BOUNDARY
PC 930 30/09/85	RICHMOND ENGINEERING DEPT	WATER MAIN	WESTMINSTER HWY & HAMILTON
PC 932 17/10/85	RICHMOND ENGINEERING DEPT	STORM SEWER	NO 6 & BLUNDELL
PC 933 17/10/85	RICHMOND ENGINEERING DEPT	STORM SEWER	NO 6 & VULCAN
PC 938 06/11/85	RICHMOND ENGINEERING DEPT	WATER MAIN	RIVER RD & RIVER DR
PC 939 06/11/85	RICHMOND ENGINEERING DEPT	WATER MAIN	RIVER RD, E OF DOUGLAS
PC 944 19/11/85	RICHMOND ENGINEERING DEPT	SANITARY SEWER	8900 RIVER RD
PC 945 19/11/85	RICHMOND ENGINEERING DEPT	SANITARY SEWER	8811 RIVER RD
PC 946 21/11/85	RICHMOND ENGINEERING DEPT	WATER SERVICES	RIVER RD & RIVER DR
PC 951 17/12/85	RICHMOND ENGINEERING DEPT	STORM SEWER	RIVER RD & RIVER DR
PC 952 17/12/85	RICHMOND ENGINEERING DEPT	STORM SEWER	NO 3RD & DOUGLAS
PC 964 24/02/86	RICHMOND ENGINEERING DEPT	WATER SERVICE	20591 WESTMINSTER HWY
PC 973 30/04/86	RICHMOND ENGINEERING DEPT	400 WATERMAIN	#9 & WESTMINSTER HWY
PC 974 12/05/86	RICHMOND ENGINEERING DEPT	STORM SEWER	#6 & VULCAN
PC 997 12/09/86	RICHMOND ENGINEERING DEPT	STORM SEWER	HAMILTON & QUEEN RD
PC 998 17/09/86	RICHMOND ENGINEERING DEPT	STREET LIGHT CONDUIT	CAPSTAN & CORVETTE
PC1026 26/06/87	RICHMOND ENGINEERING DEPT	SANITARY SEWER	MITCHELL & TWIGG
PC 759 01/10/82	RICHMOND POWER DISTRICT	DUCT	MITCHELL RD/KNIGHT ST
PC 971 09/04/86	RICHMOND, TOWNSHIP	WATERMAIN	WESTMINSTER HWY & GRAYBAR RD
PC 993 07/08/86	RICHMOND, TOWNSHIP	SANITARY SEWER	RIVER DR R/W & OAK ST BRIDGE R/W
PC1013 03/04/87	RICKETTS-SEWELL	STREET LIGHTING	GRAYBAR & WESTMINSTER HWY
PC1014 03/04/87	RICKETTS-SEWELL	STREET LIGHTING	#9 & WESTMINSTER HWY
PC 761 05/10/82	SIMON FRASER UNIVERSITY	C B LEADS	S F U RING ROAD
PC 762 05/10/82	SIMON FRASER UNIVERSITY	ELECTRICAL DUCTS	S F U RING ROAD
PC1016 09/04/87	BKS SAWMILL ENGINEERING	ELECTRIC CABLE	RIVER RD, RICH
PC 821 11/06/80	STANDARD GENERAL CONSTRUCTION	EXCAVATION FOR A STRUCTURE	RIVER RD @ BATH SLOUGH, E OF NO 5 RD (FRASER ST BRIDGE), RICHMOND
PC 811 30/09/83	SUPERCRETE LTD.	DRIVEWAY	NELSON RD, 2425' W OF DYKE RD
PC 910 21/06/85	U M A ENGINEERING	WATER MAIN	GLEN & WESTWOOD
PC 963 24/02/86	U M A ENGINEERING	WATERMAIN	MARY HILL BYPASS
PC 764 08/10/82	VANCOUVER	SEWER	CONNAUGHT DR & 37TH AVE
PC 765 21/10/82	VANCOUVER	TRAFFIC CONTROL	GRANDVIEW & SLOCAN

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PC 738	15/06/82	VANCOUVER COMMUNITY COLLEGE	BURIED CABLE	7TH AVE, W OF KEITH
PC 679	07/10/81	VANCOUVER ENGINEERING DEPT	100MM SEWER SERVICE	2ND AVE, W OF TEMPLETON DR
PC 680	07/10/81	VANCOUVER ENGINEERING DEPT	375MM STORM SEWER CONNECTION	7TH AVE, E OF L/E GLEN DR
PC 688	17/11/81	VANCOUVER ENGINEERING DEPT	CURBS	37TH & ALBERTA
PC 692	23/11/81	VANCOUVER ENGINEERING DEPT	STORM SEWER / SAN SEWER	7TH AND MCLEAN
PC 693	23/11/81	VANCOUVER ENGINEERING DEPT	6" WATERMAIN	7TH AND CLARK
PC 711	02/02/82	VANCOUVER ENGINEERING DEPT	WATER MAIN	7TH & MCLEAN
PC 721	26/03/82	VANCOUVER ENGINEERING DEPT	12" SEWER	SLOCAN & GRANDVIEW HWY SOUTH
PC 728	22/04/82	VANCOUVER ENGINEERING DEPT	SEWER PIPE	L/S 37TH & HUDSON STREET
PC 729	23/04/82	VANCOUVER ENGINEERING DEPT	SEWER SERV	2ND & L/E COMMERCIAL
PC 740	06/07/82	VANCOUVER ENGINEERING DEPT	3 SEWER SERVICE	38TH & NANAIMO
PC 741	20/07/82	VANCOUVER ENGINEERING DEPT	SEWER PIPE	L/S 37TH & CARTIER
PC 751	26/08/82	VANCOUVER ENGINEERING DEPT	CURBS	MARINE & ELLIOT
PC 752	26/08/82	VANCOUVER ENGINEERING DEPT	WATER PIPE	38TH & NANAIMO
PC 756	17/09/82	VANCOUVER ENGINEERING DEPT	CURBS	29TH & NANAIMO
PC 757	17/09/82	VANCOUVER ENGINEERING DEPT	SEWER PIPE	VANNESS & NANAIMO
PC 774	18/01/83	VANCOUVER ENGINEERING DEPT	SEWER SERVICE	2ND & TEMPLETON
PC 779	09/02/83	VANCOUVER ENGINEERING DEPT	C B LINE	7TH & WINDSOR
PC 787	14/04/83	VANCOUVER ENGINEERING DEPT	WATER MAIN	GLADSTONE & BCHPA RLY
PC 788	14/04/83	VANCOUVER ENGINEERING DEPT	WATER MAIN	27TH & SLOCAN
PC 789	14/04/83	VANCOUVER ENGINEERING DEPT	WATER MAIN	37TH & VICTORIA
PC 791	27/04/83	VANCOUVER ENGINEERING DEPT	SEWER PIPE	29TH & PENTICTON
PC 792	27/04/83	VANCOUVER ENGINEERING DEPT	WATER MAIN	BROADWAY & SLOCAN
PC 799	18/07/83	VANCOUVER ENGINEERING DEPT	SEWER PIPE	2ND & LILLOOET
PC 804	30/08/83	VANCOUVER ENGINEERING DEPT	SEWER CONNECTION	37TH W OF NANAIMO
PC 807	13/09/83	VANCOUVER ENGINEERING DEPT	SEWER PIPE	VIVIAN, N OF 51ST
PC 808	13/09/83	VANCOUVER ENGINEERING DEPT	SEWER PIPE	2ND, W OF KASLO
PC 822	/83	VANCOUVER ENGINEERING DEPT	SEWER	46TH AVE & VIVIAN
PC 841	17/04/84	VANCOUVER ENGINEERING DEPT	4" SEWER	NANAIMO & GALT
PC 842	19/04/84	VANCOUVER ENGINEERING DEPT	150MM SEWER	L/S 6TH & PRINCE ALBERT
PC 843	24/04/84	VANCOUVER ENGINEERING DEPT	WATER SERVICE	L/N 7TH & PRINCE ALBERT
PC 844	25/04/84	VANCOUVER ENGINEERING DEPT	SEWER	2ND, W OF KASLO
PC 845	26/04/84	VANCOUVER ENGINEERING DEPT	WATER PIPE	SLOCAN, N OF GRANDVIEW
PC 851	22/05/84	VANCOUVER ENGINEERING DEPT	COMMUNICATIONS DUCT	SLOCAN, 27TH TO 28TH
PC 852	22/05/84	VANCOUVER ENGINEERING DEPT	CURB	SLOCAN, 27TH TO 28TH
PC 857	25/07/84	VANCOUVER ENGINEERING DEPT	8" WATER	6TH & QUEBEC
PC 861	07/08/84	VANCOUVER ENGINEERING DEPT	WATER MAIN	6TH & PRINCE EDWARD
PC 862	30/08/84	VANCOUVER ENGINEERING DEPT	CURBS	6TH & PRINCE EDWARD
PC 867	26/09/84	VANCOUVER ENGINEERING DEPT	CURBS	29TH, E OF SLOCAN
PC 868	27/09/84	VANCOUVER ENGINEERING DEPT	SEWER	VANNESS & BRANT
PC 869	27/09/84	VANCOUVER ENGINEERING DEPT	SEWER	37TH AVE
PC 871	02/10/84	VANCOUVER ENGINEERING DEPT	SEWER	GRANDVIEW & COMMERCIAL
PC 872	18/10/84	VANCOUVER ENGINEERING DEPT	SEWER	2ND & WINDERMERE
PC 876	12/12/84	VANCOUVER ENGINEERING DEPT	150/100 SEWER	2ND AVE W OF NOOTKA
PC 877	14/12/84	VANCOUVER ENGINEERING DEPT	SEWER PIPE	WOODLAND & GRANDVIEW
PC 878	17/12/84	VANCOUVER ENGINEERING DEPT	SEWER PIPES	7TH AVE, E OF CLARK
PC 880	23/01/85	VANCOUVER ENGINEERING DEPT	SEWER	2ND W OF VICTORIA

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PC 881 28/01/85	VANCOUVER ENGINEERING DEPT	SEWER	VANNESS & BRANT
PC 882 01/02/85	VANCOUVER ENGINEERING DEPT	SEWER	VANNESS & GLADSTONE
PC 886 28/02/85	VANCOUVER ENGINEERING DEPT	SEWERS	VIVIAN & 49TH
PC 890 21/03/85	VANCOUVER ENGINEERING DEPT	SEWERS	24TH & SLOCAN
PC 891 22/03/85	VANCOUVER ENGINEERING DEPT	WATER MAIN	7TH & KEITH
PC 893 17/04/85	VANCOUVER ENGINEERING DEPT	SEWER PIPES	46TH & ELLIOT
PC 894 17/04/85	VANCOUVER ENGINEERING DEPT	SEWER PIPES	37TH & NANAIMO
PC 897 18/04/85	VANCOUVER ENGINEERING DEPT	WATER PIPE	L/S 37TH & SELKIRK
PC 898 19/04/85	VANCOUVER ENGINEERING DEPT	WATER SERV	NANAIMO & 29TH
PC 903 03/05/85	VANCOUVER ENGINEERING DEPT	WATER PIPE	7TH & MCLEAN
PC 906 14/05/85	VANCOUVER ENGINEERING DEPT	SEWER PIPE	2ND & LILLOOET
PC 908 27/05/85	VANCOUVER ENGINEERING DEPT	SEWER PIPE	37TH, E OF PRINCE EDWARD
PC 915 12/07/85	VANCOUVER ENGINEERING DEPT	SEWERS	37TH & FLEMING
PC 916 15/07/85	VANCOUVER ENGINEERING DEPT	WATER MAIN	37TH & MAIN
PC 917 25/07/85	VANCOUVER ENGINEERING DEPT	WATER	5TH AVE & SLOCAN
PC 929 19/09/85	VANCOUVER ENGINEERING DEPT	SEWER PIPES	37TH & L/W NANAIMO
PC 934 21/10/85	VANCOUVER ENGINEERING DEPT	CURBS	VICTORIA & GRANDVIEW
PC 948 09/12/85	VANCOUVER ENGINEERING DEPT	STORM SEWER	8TH AVE & GRANDVIEW
PC 954 14/01/86	VANCOUVER ENGINEERING DEPT	SEWER PIPES	37TH & L/E GLADSTONE
PC 957 27/01/86	VANCOUVER ENGINEERING DEPT	SEWERS	37TH & GLADSTONE
PC 958 27/01/86	VANCOUVER ENGINEERING DEPT	SEWERS	37TH & MAIN
PC 959 28/01/86	VANCOUVER ENGINEERING DEPT	WATERMAIN	3RD & SLOCAN
PC 962 20/02/86	VANCOUVER ENGINEERING DEPT	SEWER	L/S 29TH & SLOCAN
PC 966 04/03/86	VANCOUVER ENGINEERING DEPT	SEWERS	6TH & BRUNSWICK
PC 972 16/04/86	VANCOUVER ENGINEERING DEPT	SEWER	6TH & GUELPH
PC 978 04/06/86	VANCOUVER ENGINEERING DEPT	WATER SERVICE	VANNESS & BRANT
PC 982 20/06/86	VANCOUVER ENGINEERING DEPT	SEWER	SLOCAN & EUCLID
PC 987 10/07/86	VANCOUVER ENGINEERING DEPT	CURB	MARINE & ELLIOT
PC 992 01/08/86	VANCOUVER ENGINEERING DEPT	SEWERS	7TH & CLARK
PC1008 19/12/86	VANCOUVER ENGINEERING DEPT	B C TEL COMM DUCT	VICTORIA, L/S 16TH
PC1012 02/04/87	VANCOUVER ENGINEERING DEPT	SEWER CONNECTION	8TH & SLOCAN
PC1015 07/04/87	VANCOUVER ENGINEERING DEPT	SEWER	NANAIMO & GALT
PC908A 12/06/85	VANCOUVER ENGINEERING DEPT	SEWER PIPE	L/S BROADWAY & WOODLAND
PC 918 29/07/85	VANCOUVER REGIONAL DISTRICT	RELIEF DRAIN	7TH & KEITH
PC1040 22/09/87	VANCOUVER REGIONAL DISTRICT	ELECTRICAL DUCTS	MITCHELL & TWIGG
PC 110 10/09/70	VANCOUVER SEWER & DRAINAGE	54" RC INTER.	300' I W X 23+25N SWC SHARPW & COMO LAKE ROAD, COQ.
PC 111 14/09/70	VANCOUVER SEWER & DRAINAGE	24" SANITARY SEWER	COMO LAKE & PASTEUR, COQ.
PC 507 21/03/78	VANCOUVER SEWER & DRAINAGE	SANITARY SEWER SERVICES	COQ, GLEN, LANSDOWNE TO PINE TREE WAY
PC 955 16/01/86	VANCOUVER SEWER & DRAINAGE	SEWERS	7TH & PR ALBERT ST
PC 167 07/12/71	VANCOUVER WATER DISTRICT	36" WATER	MATHERS AVE. & 11TH ST.
PC 295 18/04/74	VANCOUVER WATER DISTRICT	WATER	BOUNDARY & DYKE ROAD
PC 785 18/03/83	VANCOUVER WATER DISTRICT	WATER MAIN	PIPELINE RD
PC 794 16/06/83	VANCOUVER WATER DISTRICT	10" DRAIN	PATHAN & PIPELINE
PC 838 02/04/84	VANCOUVER WATER DISTRICT	460MM	JONES & 19TH ST N Y
PC1002 24/10/86	VANCOUVER WATER DISTRICT	WATER MAIN	CAPILANO & MARINE
PC 100 09/07/70	VANCOUVER, CITY OF	10' & 12" WATER	SKEENA & CHARLES

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PC 101 09/07/70	VANCOUVER, CITY OF	STREET LIGHTING	240' E SEC RENFREW ON 2ND
PC 108 26/08/70	VANCOUVER, CITY OF	3/4" WATER SERVICE	58' N NEC TRIUMPH ON KOOTENAY
PC 162 25/11/71	VANCOUVER, CITY OF	4" SEWER	NANAIMO & 105' N. OF GALT
PC 163 25/11/71	VANCOUVER, CITY OF	4" SEWER	NANAIMO & 73' N. OF GALT
PC 168 07/12/71	VANCOUVER, CITY OF	12" WATER	RUPERT & 2ND AVENUE
PC 170 21/12/71	VANCOUVER, CITY OF	STREET LIGHTING	SKEENA & WILLIAM
PC 184 04/04/72	VANCOUVER, CITY OF	14" SEWER	6TH AVE. & WOODLAND DR.
PC 196 02/08/72	VANCOUVER, CITY OF	B.C.H.P.A.	KOOTENAY AND L/N OF FRANKLIN
PC 219 18/12/72	VANCOUVER, CITY OF	12" WATER	SLOCAN & GRANDVIEW
PC 228 31/01/73	VANCOUVER, CITY OF	STREET LIGHTING	ELLIOT & KENT AVE N
PC 229 16/03/73	VANCOUVER, CITY OF	VANCOUVER SEWER & DRAINAGE 10"	BRIDGEWAY, 250' W 2ND NARROWS
PC 231 02/04/73	VANCOUVER, CITY OF	3/4" WATER	KENT & ELLIOTT
PC 256 06/08/73	VANCOUVER, CITY OF	4" SEWER	SLOCAN - 24TH & 25TH
PC 268 17/10/73	VANCOUVER, CITY OF	WATER	ELLIOTT & NORTH KENT
PC 269 19/10/73	VANCOUVER, CITY OF	WATER	N. KENT & ELLIOT
PC 276 04/12/73	VANCOUVER, CITY OF	SEWER	CLARENDON & 34TH LOT 69
PC 277 04/12/73	VANCOUVER, CITY OF	SEWER	CLARENDON & 34TH LOT 68
PC 287 04/03/74	VANCOUVER, CITY OF	ELECTRICAL	1ST & CASSIAR
PC 288 04/03/74	VANCOUVER, CITY OF	ELECTRICAL	2ND & ESMOND & HORNE PAYNE YARD
PC 296 02/05/74	VANCOUVER, CITY OF	15" SEWER	ON SLOCAN, 22-23
PC 307 07/06/74	VANCOUVER, CITY OF	CABLE	ELLIOT STREET
PC 309 28/06/74	VANCOUVER, CITY OF	4" SEWER	1800 BLK E 2ND AVE.
PC 310 28/06/74	VANCOUVER, CITY OF	4" SEWER	CLARENDON & 29TH AVE.
PC 320 06/09/74	VANCOUVER, CITY OF	BCT DUCTS	KOOTENAY (SKEENA) ST S OF CHARLES
PC 323 04/10/74	VANCOUVER, CITY OF	BCHPA	CHARLES & KOOTENAY
PC 333 13/01/75	VANCOUVER, CITY OF	BCT	2ND AVE & BOUNDARY
PC 339 17/02/75	VANCOUVER, CITY OF	SEWER	2ND & VICTORIA
PC 344 17/03/75	VANCOUVER, CITY OF	6"-4" SEWER	46TH AVE & WALES ST.
PC 346 24/03/75	VANCOUVER, CITY OF	9 4" BCHPA	CASSIAR ST, FROM 2ND AVE TO 5TH
PC 353 30/06/75	VANCOUVER, CITY OF	15" & 8" SANITARY SEWER	L/N NAPIER & SKEENA
PC 354 30/06/75	VANCOUVER, CITY OF	12" & 8" SANITARY SEWER	1/N NAPIER & SKEENA
PC 368 26/09/75	VANCOUVER, CITY OF	4" SEWER CONNECTION	SLOCAN ST, 24TH TO 25TH
PC 369 16/10/75	VANCOUVER, CITY OF	8" WATER SERVICE	SLOCAN ST & BROADWAY
PC 371 29/10/75	VANCOUVER, CITY OF	BCT	PRINCE EDWARD, 25TH TO 38TH
PC 372 14/11/75	VANCOUVER, CITY OF	BCT	GRAVELY DRIVE TO 3RD AVENUE ON COTTON - 3RD L/W 5TH ON WOODLAND
PC 394 06/05/76	VANCOUVER, CITY OF	4" SEWER	37TH & NANAIMO
PC 395 07/05/76	VANCOUVER, CITY OF	8" D.I. WATER	2ND AVE & COTTON DR
PC 396 11/05/76	VANCOUVER, CITY OF	4" CI SEWER	24TH & SLOCAN
PC 397 12/05/76	VANCOUVER, CITY OF	8 DI WATER	SLOCAN & 15TH
PC 398 13/05/76	VANCOUVER, CITY OF	SEWERS	1ST & KOOTENAY (SEE WP 115)
PC 399 17/05/76	VANCOUVER, CITY OF	4" SEWER	CLARENDON ST & 37TH AVE.
PC 400 01/06/76	VANCOUVER, CITY OF	4" SEWER	NANAIMO & BROCK-
PC 401 01/06/76	VANCOUVER, CITY OF	8" SEWER	37TH & COMMERCIAL
PC 403 18/06/76	VANCOUVER, CITY OF	12", 8" SEWERS	W SIDE ADANAC PARK
PC 405 28/06/76	VANCOUVER, CITY OF	12" WATERMAIN	SKEENA & ADANAC PARK
PC 406 28/06/76	VANCOUVER, CITY OF	12" WATERMAIN	SKEENA & WILLIAM

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PC 408	30/06/76	VANCOUVER, CITY OF	15" WATERMAIN	KENT AVE. S
PC 409	06/07/76	VANCOUVER, CITY OF	BCT DUCT	SLOCAN & 33 RD
PC 411	15/07/76	VANCOUVER, CITY OF	8 DUCT IRON WATER	6TH AVE & WOODLAND DRIVE
PC 415	10/08/76	VANCOUVER, CITY OF	12 WATER	SKEENA ST & WILLIAM ST.
PC 421	07/09/76	VANCOUVER, CITY OF	6" SEWER	2ND AVE. - WOODLAND TO COTTON 1545 EAST 2ND AVE.
PC 423	15/09/76	VANCOUVER, CITY OF	4" SEWER	37TH AVE. & GLADSTONE ST.
PC 425	16/09/76	VANCOUVER, CITY OF	6/4" SEWER	2ND AVE & NOOTKA
PC 427	07/10/76	VANCOUVER, CITY OF	WATER SERVICE	37TH AVE., W OF COMMERCIAL
PC 428	21/10/76	VANCOUVER, CITY OF	BCHPA	1/N NAPIER & SKEENA
PC 429	09/11/76	VANCOUVER, CITY OF	SEWER PIPE	2ND & LAKEWOOD
PC 433	03/12/76	VANCOUVER, CITY OF	4" WATER	KOOTENAY ST & GRAVELEY ST
PC 438	10/02/77	VANCOUVER, CITY OF	3 BCH & 1 BCT DUCT	KOOTENAY & GRAVELY ST
PC 439	14/02/77	VANCOUVER, CITY OF	4" SEWER	2ND AVE & SLOCAN
PC 440	14/02/77	VANCOUVER, CITY OF	4" SEWER	2ND AVE & SLOCAN
PC 441	14/02/77	VANCOUVER, CITY OF	6/4" SEWER	46TH & WALES
PC 448	09/03/77	VANCOUVER, CITY OF	BCT DUCT	KOOTENAY & GRAVELY
PC 452	05/04/77	VANCOUVER, CITY OF	4" SEWER	37TH AVE & FLEMING ST
PC 471		VANCOUVER, CITY OF	ELEC DUCTS	1/S 14TH & SLOCAN
PC 480	02/08/77	VANCOUVER, CITY OF	BCT DUCTS	1/S 14TH & SLOCAN
PC 491	28/10/77	VANCOUVER, CITY OF	SEWER CONNECTIONS	SLOCAN, NORTH OF 17TH AVE
PC 497	08/12/77	VANCOUVER, CITY OF	4" SEWER	MANAIMO & ST LAWRENCE
PC 499	25/01/78	VANCOUVER, CITY OF	3/4 WATER	MANAIMO & BROCK
PC 506	20/03/78	VANCOUVER, CITY OF	4" S SERVICE	2ND AVE WEST OF LAKEWOOD DR
PC 508	31/03/78	VANCOUVER, CITY OF	4" RELAY	2ND & LILLOOET
PC 510	13/04/78	VANCOUVER, CITY OF	3/4 COPPER WATER	37TH & ONTARIO
PC 514	24/04/78	VANCOUVER, CITY OF	8" WATER	OXFORD & KOOTENAY
PC 524	26/06/78	VANCOUVER, CITY OF	3/4" WATER SERVICE	37TH, WINDSOR TO PRINCE ALBERT
PC 528	28/06/78	VANCOUVER, CITY OF	3/4" WATER SERVICE	SLOCAN & 34TH
PC 539	27/10/78	VANCOUVER, CITY OF	8" IRON WATER	DUNDAS & KOOTENAY ST
PC 541	03/11/78	VANCOUVER, CITY OF	6" WATER MAIN	KOOTENAY & TURNER
PC 543	09/11/78	VANCOUVER, CITY OF	SEWER CONNECTION	46TH & ELLIOT
PC 547	18/12/78	VANCOUVER, CITY OF	PLASTIC WATER PIPE	MANAIMO, W OF KINGSWAY
PC 549	09/01/79	VANCOUVER, CITY OF	SEWER	KINGSWAY & MANAIMO
PC 552	30/01/79	VANCOUVER, CITY OF	8" & 4" SEWER CONNECTION	2ND AVE, E OF RENFREW
PC 554	26/02/79	VANCOUVER, CITY OF	PLAST WATER LINE	37TH, W OF WINDSOR
PC 560	28/03/79	VANCOUVER, CITY OF	4" SEWER	2ND AVE, W OF WINDEMERE
PC 571	03/05/79	VANCOUVER, CITY OF	16MM WATER	SLOCAN ST @ NORQUAY ST
PC 574	16/05/79	VANCOUVER, CITY OF	6" SEWER	L/S 37TH & CARTIER
PC 576	27/06/79	VANCOUVER, CITY OF	6" WATER MAIN	KOOTENAY & CAMBRIDGE
PC 577	07/07/79	VANCOUVER, CITY OF	6" SEWER	MANAIMO & 29TH
PC 578	09/07/79	VANCOUVER, CITY OF	6" SEWER	MANAIMO & ST LAWRENCE
PC 579	09/07/79	VANCOUVER, CITY OF	6" SEWER	MANAIMO & 30TH
PC 580	09/07/79	VANCOUVER, CITY OF	8" SEWER	MANAIMO & 30TH
PC 581	09/07/79	VANCOUVER, CITY OF	6" SEWER	MANAIMO & 33RD
PC 583	16/07/79	VANCOUVER, CITY OF	SEWER CATCH BASIN	KINGSWAY & MANAIMO
PC 591	05/10/79	VANCOUVER, CITY OF	4" SEWER	ON SLOCAN ST @ 21ST AVE

DISCLOSURE SCHEDULE 25

[MAINLAND GAS]

PERMITTED EXCEPTIONS

PART "C" Rights given to third parties in respect of crossings
by such third parties on, over or under Owned Real Estate, Gas
Rights of Way on Common Rights of Way

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V 63-1-39 (A)	86 AVE. W. OF 152 ST.		ROAD	01/ /73
V 63-1-39 (B)	86 AVE. W. OF 152 ST.		STORM SEWER	01/ /73
V 371-1-103	BEDFORD S. OF KINGSWAY BEDFORD INDUSTRIAL PARK		ROAD CONSTRUCTION	
V 382-1-20	96 AVE & HARVIE		TEMPORARY ROAD CROSSING	07/21/76
V 588-1-88	DEWDNEY TRUNK RD. EAST OF 227 ST., MAPLE RIDGE		CONCRETE CURB	
V 589-1-88	DEWDNEY TRUNK RD. EAST OF 227 ST., MAPLE RIDGE		CONCRETE SIDEWALK	
V 590-1-88			STORM SEWER	
V 658-1-76	BRAID ST. S. OF 401 FRWAY			
V 678-1-7	CFS ALDERGROVE 30"		WATER LINE	05/12/78
V 686-1-7	CFS ALDERGROVE 42"		WATER LINE	05/12/78
V 761-1-22	9510 - 172 ST		3/4" WATER	
V 836-1-86	RIVER RD. - HANEY		ROAD CONSTRUCTION (HANEY BYPASS)	
V2034-1-66	PROGRESS WAY & 76 ST. DELTA	4 DEE ENG.	ROAD	09/19/83
V 255-1-88	227 ST. & SELKIRK	A & G CONST.	WATER MAIN	04/04/75
V 885-1-86	140 M. W. OF KAWAKA CR. M.R.	A & G CONST.	SEWER	
V2077	88 & 140 ST, SURREY	A C NG ENG. DIST. OF SURREY	WATER	02/24/84
V1C90	208TH ST. & 44TH AVE.	A C NG ENG.	WATERMAIN 8" TP	10/16/80
V3172	40 AVE & 208 ST	A C NG ENG.	WATER MAIN XING	10/01/85
V3023-1-77	RESERVOIR TENNIS COURTS HICKEY ROAD, RIVERSIDE, COQ.	A.W. PRATT (SEE ALSO V3013-1-77)	100MM DIA. U/G ELEC	10/22/84
V3560-1-1	HUNTING SUMAS HWY	ABBOTSFORD	150MM SAN. SEWER	04/21/88
V3561-1-1	HUNTING SUMAS HWY	ABBOTSFORD	150MM SAN. SEWER	
V 315-1-2	RIVERSIDE RD. W. OF VYE RD.	ABBOTSFORD DISTRICT	WATER MAIN	09/20/76
V2008-1-2	MCCALLUM ROAD	ABBOTSFORD DISTRICT	STORM SEWER 30" P/L	02/10/84
V2009-1-2	MCCALLUM ROAD	ABBOTSFORD DISTRICT	STORM SEWER 42" P/L	02/10/84
V2936-1-2	VYE RD, ABBOTSFORD	ABBOTSFORD DISTRICT	30" SAN. SEWER	06/01/84
V2937-1-2	VYE RD, ABBOTSFORD	ABBOTSFORD DISTRICT	42" SAN. SEWER	06/01/84
V 86-1-69	HOPCOTT RD. - TILBURY ISLAND	ACORN FOREST PRODUCTS	1 1/2" WATER CROSSING	01/09/73
V 118-1-69	W. OF HOPCOTT ROAD TILBURY ISLAND - DELTA	ACORN FOREST PRODUCTS	PRIVATE ROAD XING	06/26/73
V1632.1.7	25815 ROBERTSON	ADAMS, D	WATER 42"	
V1633.1.7	25815 ROBERTSON	ADAMS, D	WATER 30"	
V1634.1.7	25815 ROBERTSON	ADAMS, D	ELEC 42"	
V1635.1.7	25815 ROBERTSON	ADAMS, D	ELEC 30"	
V 87-1-77	CAPE HORN AVE - COQ.	AESL	8" SANITARY SEWER	03/21/73
V 423-1-84	TASKER RD. & 24" MTP	AESL	DITCH CROSSING (CANCELLED-SEE V474)	
V 669-1-86	SOUTHERLY ACCESS RD. AT RD. C TO PUMP STN. S. OF TILBURY STN	AESL	ACCESS ROAD	10/18/78
V1022-750-A-3	GLOVER RD & LANGLEY BY PASS	AESL	WATERMAIN XING 8" TP	
V1055	LONDON AVE. E OF CPR R/W	AESL	ROADWORK	
V1095	208 ST. & DOUGLAS CR.	AESL	200 M SEWER 8" TP	09/10/80
V1374.1.98	DYKE BE CPR & LOUGHEED	AESL	FILL ON DYKE	07/07/81

BC HYDRO AND POWER AUTHORITY
FRASER VALLEY GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V 83-1-39 (A)	86 AVE. W. OF 152 ST.		ROAD	01/ /73
V 83-1-39 (B)	86 AVE. W. OF 152 ST.		STORM SEWER	01/ /73
V 371-1-103	BEDFORD S. OF KINGSWAY, BEDFORD INDUSTRIAL PARK		ROAD CONSTRUCTION	
V 382-1-20	96 AVE & HARVIE		TEMPORARY ROAD CROSSING	07/21/76
V 588-1-88	DEWDNEY TRUNK RD. EAST OF 227 ST., MAPLE RIDGE		CONCRETE CURB	
V 589-1-88	DEWDNEY TRUNK RD. EAST OF 227 ST., MAPLE RIDGE		CONCRETE SIDEWALK	
V 590-1-88			STORM SEWER	
V 858-1-76	BRAID ST. S. OF 401 FRWAY			
V 878-1-7	CFS ALDERGROVE 30"		WATER LINE	05/12/78
V 886-1-7	CFS ALDERGROVE 42"		WATER LINE	05/12/78
V 761-1-22	9510 - 172 ST		3/4" WATER	
V 836-1-86	RIVER RD. - HANEY		ROAD CONSTRUCTION (HANEY BYPASS)	
V2034-1-66	PROGRESS WAY & 76 ST. DELTA	4 DEE ENG.	ROAD	09/19/83
V 255-1-88	227 ST. & SELKIRK	A & G CONST.	WATER MAIN	04/04/75
V 885-1-86	140 M. W. OF KANAKA CR. M.R.	A & G CONST.	SEWER	
V2077	88 & 140 ST, SURREY	A C NG ENG. DIST. OF SURREY	WATER	02/24/84
V1090	208TH ST. & 44TH AVE.	A C NG ENG.	WATERMAIN 8" TP	10/18/80
V3172	40 AVE & 208 ST	A C NG ENG.	WATER MAIN XING	10/01/85
V3023-1-77	RESERVOIR TENNIS COURTS HICKEY ROAD, RIVERSIDE, COQ.	A.V. PRATT (SEE ALSO V3013-1-77)	100MM DIA. U/G ELEC	10/22/84
V3580-1-1	HUNTING SUMAS HWY	ABBOTSFORD	150MM SAN. SEWER	04/21/88
V3581-1-1	HUNTING SUMAS HWY	ABBOTSFORD	150MM SAN. SEWER	
V 315-1-2	RIVERSIDE RD. W. OF VYE RD.	ABBOTSFORD DISTRICT	WATER MAIN	09/20/76
V2008-1-2	MCCALLUM ROAD	ABBOTSFORD DISTRICT	STORM SEWER 30" P/L	02/10/84
V2009-1-2	MCCALLUM ROAD	ABBOTSFORD DISTRICT	STORM SEWER 42" P/L	02/10/84
V2936-1-2	VYE RD, ABBOTSFORD	ABBOTSFORD DISTRICT	30" SAN. SEWER	06/01/84
V2937-1-2	VYE RD, ABBOTSFORD	ABBOTSFORD DISTRICT	42" SAN. SEWER	06/01/84
V 86-1-69	HOPCOTT RD. - TILBURY ISLAND	ACORN FOREST PRODUCTS	1 1/2" WATER CROSSING	01/09/73
V 118-1-69	W. OF HOPCOTT ROAD TILBURY ISLAND - DELTA	ACORN FOREST PRODUCTS	PRIVATE ROAD XING	06/26/73
V1832.1.7	25815 ROBERTSON	ADAMS, D	WATER 42"	
V1833.1.7	25815 ROBERTSON	ADAMS, D	WATER 30"	
V1834.1.7	25815 ROBERTSON	ADAMS, D	ELEC 42"	
V1835.1.7	25815 ROBERTSON	ADAMS, D	ELEC 30"	
V 87-1-77	CAPE HORN AVE - COQ.	AESL	8" SANITARY SEWER	03/21/73
V 423-1-84	TASKER RD. & 24" WTP	AESL	DITCH CROSSING (CANCELLED-SEE V474)	
V 869-1-86	SOUTHERLY ACCESS RD. AT RD. C TO PUMP STN. S. OF TILBURY STN	AESL	ACCESS ROAD	10/18/78
V1022-750-A-3	GLOVER RD & LANGLEY BY PASS	AESL	WATERMAIN XING 8" TP	
V1055	LONDON AVE. E OF CPR R/W	AESL	ROADWORK	
V1095	208 ST. & DOUGLAS CR.	AESL	200 M SEWER 8" TP	09/10/80
V1374.1.98	DYKE BE CPR & LOUGHEED	AESL	FILL ON DYKE	07/07/81

BC HYDRO AND POWER AUTHORITY
FRASER VALLEY GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V1411.1.76	LOT 18 MAYFAIR IND. PK	AESL	PARKING LOT 20"	
V1412.1.76	LOT 18 MAYFAIR IND. PK	AESL	CURBS 20"	
V1413.1.76	LOT 18 MAYFAIR IND. PK	AESL	FILL 20"	05/15/81
V1776.1.77	MATHEWSON AVE	AESL	WATERMAIN 20	07/09/82
V1886-1-76	MAYFAIR INDUSTRIAL PARK	AESL	12" WATER MAIN	09/06/82
V1887-1-76	MAYFAIR INDUSTRIAL PARK	AESL	30" STORM SEWER	10/01/82
V1888-1-76	MAYFAIR INDUSTRIAL PARK	AESL	3" SANITARY SEWER (FM)	10/05/82
V1889-1-76	MAYFAIR INDUSTRIAL PARK	AESL	STREET LIGHTING	10/08/82
V1890-1-76	MAYFAIR INDUSTRIAL PARK	AESL	A/C POWER TO F.M. PUMP	10/08/82
V1891-1-76	MAYFAIR INDUSTRIAL PARK	AESL	ROADWORK-PVT, SIDEWALK, GUTTER	10/27/82
V1903-1-77	HICKEY ST & BCH R/W COQ	AESL	20" WATER MAIN	01/18/82
V1904-1-77	AUSTIN RD & BCH R/W COQ	AESL	20" WATER MAIN	
V1905-1-78	S. OF COMO LK RD & BCH R/W COQ	AESL	20" WATER MAIN	02/01/83
V3206	208 ST STH OF 52A AVE	AESL	CATCH BASIN	03/26/87
V 335	GLOVER & EASTLEIGH	AESL FOR HYDRO LAND DEPT.	6" WATER	03/23/76
V 336	LI/N. RD W. FROM GLOVER N. OF EASTLEIGH	AESL FOR HYDRO LAND DEPT.	12" WATER	03/25/76
V 259-1-95	BONSON & LOUGHEED	AESL FOR PITT MEADOWS	12" WATER	07/18/
V 816-1-7	272 ST. N. OF 34 AVENUE	ALDERGROVE CONST. LTD.	30" STORM SEWER	08/01/78
V 617-1-7	272 ST. N. OF 34 AVE	ALDERGROVE CONST. LTD.	10" CATCH BASIN LEAD	08/29/78
V 618-1-7	272 ST. N. OF 34 AVE	ALDERGROVE CONST. LTD.	8" CATCH BASIN LEAD	08/29/78
V 491-1-106	SURF CR. & SPURWAY, PT. COQ	ALDERSON PROPERTIES LTD	STREET LIGHTING	07/19/77
V 368-1-103	WILSON AVE., PT. COQUITLAN	ALLAN & ASHFORD	WATER MAIN CROSSING	09/07/
V 381	BURY ST. - COQ.	ALLAN & ASHFORD	(A-C) CATCH BASIN LEADS & STREET LIGHT	08/11/76
V1461.1.91	E OF 216 ST N OF DT	ALLAN & ASHFORD	SAN SEWER 12"	03/07/83
V1462.1.91	E OF 216 ST N OF DT	ALLAN & ASHFORD	STORM SEWER 12"	03/11/83
V1463.1.91	E OF 216 ST N OF DT	ALLAN & ASHFORD	WATER 12"	03/14/83
V1464.1.91	E OF 216 ST N OF DT	ALLAN & ASHFORD	ROAD 12"	06/27/83
V1578.1.91	E OF 216 ST N OF D.T.	ALLAN & ASHFORD	WATER 12"	
V1580.1.91	216 ST N OF D.T.	ALLAN & ASHFORD	CURB 12"	06/27/83
V1581.1.91	216 ST N OF D.T.	ALLAN & ASHFORD	CONC SLABS 12"	04/11/83
V1588.1.91	216 ST & D.T.	ALLAN & ASHFORD	ST LIGHT 12"	06/27/83
V2078-1-31	200 ST & 68 AVE.	ALLAN RICHARDSON	DRIVEWAY	03/26/87
V2079-1-31	200 ST & 68 AVE.	ALLAN RICHARDSON	SEPTIC DRAIN	02/01/84
V2080-1-31	200 ST & 68 AVE.	ALLAN RICHARDSON	WATER	02/01/84
V2081-1-31	200 ST & 68 AVE. LANGLEY	ALLAN RICHARDSON	O/H ELECTRICAL	03/26/87
V2082-1-31	200 ST & 68 AVE. LANGLEY	ALLAN RICHARDSON	FILL	03/26/87
V2083-1-31	200 ST & 68 AVE. LANGLEY	ALLAN RICHARDSON	FENCE	03/26/87
V 388-1-31	192 ST. & 70 AVE	ALOHA ENTERPRISES	D) WATER	
V 388-1-31	192 ST. & 70 AVE	ALOHA ENTERPRISES	C) STORM	
V 388-1-31	192 ST. & 70 AVE	ALOHA ENTERPRISES	B) CURBS	
V 388-1-31	192 ST. & 70 AVE	ALOHA ENTERPRISES	A) RD.	
V 389-1-31	192 ST. & 70 AVE	ALOHA ENTERPRISES	21" STORM & 6" WATER	11/ /77
V 390-1-31	192 ST. & 70 AVE	ALOHA ENTERPRISES	30" STORM	10/24/
V 591-1-31	70 AVE E. 192	ALOHA ENTERPRISES	ROAD	12/08/77
V3604-1-52	138A ST N OF 93A AVE	ALOPEX DEV.	ROADWORK	

BC HYDRO AND POWER AUTHORITY
FRASER VALLEY GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V3605-1-52	138A ST W OF 93A AVE	ALOPEX DEV.	STREET LIGHTING	
V1135.1.92	12075 MCINTYRE CT.	ANSELL CONSTRUCTION	WATER SER. XING	05/09/80
V1136.1.92	12075 MCINTYRE CT.	ANSELL CONSTRUCTION	STORM SEWER 12" MTP	05/09/80
V1137.1.92	12075 MCINTYRE CT.	ANSELL CONSTRUCTION	SAN SEWER	05/09/80
V1138.1.92	12075 MCINTYRE CT.	ANSELL CONSTRUCTION	HYDRO ELEC	05/09/80
V1139.1.92	12075 MCINTYRE CT.	ANSELL CONSTRUCTION	TELEPHONE U/G	05/09/80
V1140.1.92	12075 MCINTYRE CT.	ANSELL CONSTRUCTION	DRIVEWAY	05/09/80
V1142.1.92	12076 MCINTYRE COURT	ANSELL CONSTRUCTION	DRIVEWAY	05/09/80
V1143.1.92	12076 MCINTYRE COURT	ANSELL CONSTRUCTION	STORM SEWER	05/09/80
V1144.1.92	12076 MCINTYRE COURT	ANSELL CONSTRUCTION	SAN SEWER	05/09/80
V1145.1.92	12076 MCINTYRE COURT	ANSELL CONSTRUCTION	WATER SERVICE	05/09/80
V1146.1.92	12076 MCINTYRE COURT	ANSELL CONSTRUCTION	ELECTRICAL - HYDRO	05/09/80
V1147.1.92	12076 MCINTYRE COURT	ANSELL CONSTRUCTION	TELEPHONE	05/09/80
V 24-1-56 (F)	N. OF 92 AVE. - W. OF 132ND	APLIN & MARTIN	ROAD CONSTRUCTION	
V 24-1-56 (C)	92 AVE. W. OF 132 ST.	APLIN & MARTIN	SANITARY SEWER	06/07/71
V 24-1-56 (G)	N. OF 92 AVE. - W. OF 132ND	APLIN & MARTIN	STORM AND SANITARY SEWER	
V 24-1-56 (D)	92 AVE. W. OF 132 ST.	APLIN & MARTIN	STORM AND SANITARY SEWER	03/08/72
V 24-1-56 (I)	N. OF 92 AVE. - W. OF 132ND	APLIN & MARTIN	ROAD CONSTRUCTION	
V 24-1-56 (E)	92 AVE. W. OF 132 ST.	APLIN & MARTIN	ROAD CONSTRUCTION	
V 24-1-56 (J)	N. OF 92 AVE. - W. OF 132ND	APLIN & MARTIN	STORM AND SANITARY SEWER	06/02/72
V 24-1-56 (B)	92 AVE. W. OF 132 ST.	APLIN & MARTIN	STORM AND SANITARY SEWER	11/02/
V 24-1-56 (H)	N. OF 92 AVE. - W. OF 132ND	APLIN & MARTIN	WATER MAIN	
V 24-1-56 (K)	N. OF 92 AVE. - W. OF 132ND	APLIN & MARTIN	WATER MAIN	06/02/72
V 24-1-56 (A)	92 AVE. W. OF 132 ST.	APLIN & MARTIN	CONCRETE PATH & STORM DRAIN	07/04/72
V 38-1-54 (A)	132 ST. S. OF 92 AVE	APLIN & MARTIN	FORCE MAIN	
V 38-1-54 (B)	132 ST. S. OF 92 AVE	APLIN & MARTIN	SANITARY SEWER	
V 46-1-61	WESTSIDE & SANTA MONICA	APLIN & MARTIN	STORM AND SANITARY SEWER	02/03/72
V 51-1-42	RD. 9 W. OF 132 ST. (PHASE III) GLEN ROBERTSON ESTATES	APLIN & MARTIN	WATER MAIN, SANITARY & STORM, ROAD	
V 54-1-6 (B)	RD. 1 W. OF 80 AVE & 108 ST.	APLIN & MARTIN	6" WATER MAIN	
V 54-1-6 (A)	RD. 1 W. OF 80 AVE & 108 ST.	APLIN & MARTIN	ROAD CONSTRUCTION	05/20/73
V 54-1-6 (D)	WILTSHIRE BLVD BTWN RD 4&5	APLIN & MARTIN	6" WATER MAIN	07/05/72
V 54-1-6 (G)	W. OF 108 ST. 1150' N. OF 80 AVE	APLIN & MARTIN	PAVED WALKWAY	
V 54-1-6 (F)	WILTSHIRE BLVD BTWN RD 4&5	APLIN & MARTIN	8" SANITARY SEWER	07/05/72
V 54-1-6 (E)	WILTSHIRE BLVD BTWN RD 4&5	APLIN & MARTIN	10" STORM SEWER	07/05/72
V 54-1-6 (C)	WILTSHIRE BLVD BTWN RD 4&5	APLIN & MARTIN	ROAD CONSTRUCTION	
V 73-1-41	132 ST. S. OF 88 AVE	APLIN & MARTIN	12" SANITARY SEWER	01/25/73
V 110-1-55	128 ST. BTWN 88 AVE & PR. CHARLES BLVD., SURREY	APLIN & MARTIN	36" R.C. STORM SEWER	12/18/73
V 123-1-55	128 ST. @ ABOUT 90 AVE	APLIN & MARTIN	ROAD & SIDEWALKS	
V 126-1-41	TULSY CRESCENT	APLIN & MARTIN	A) ROAD & SIDEWALK	06/27/74
V 126-1-41	TULSY CRESCENT	APLIN & MARTIN	B) 6" D.I. WATER	
V 127-1-41	132 ST. S. OF 88 AVE	APLIN & MARTIN	8" D.I. WATER	08/13/74
V 128-1-41	134 ST. S. OF 88 AVE	APLIN & MARTIN	A) ROAD & SIDEWALK	06/10/74
V 128-1-41	134 ST. S. OF 88 AVE	APLIN & MARTIN	B) 6" D.I. WATER	06/10/74
V 129-1-41	EASEMENTS S. OF 88 AVE E. OF 134 ST.	APLIN & MARTIN	B) 21" R.C. STORM	06/10/74

BC HYDRO AND POWER AUTHORITY
FRASER VALLEY GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V 129-1-41	EASEMENTS S. OF 88 AVE E. OF 134 ST.	APLIN & MARTIN	A) 8" A.C. SAN. SEWER	06/10/74
V 359	208 ST. W. OF 48 AVE	APLIN & MARTIN	STORM	
V 360	208 ST. W. OF 48 AVE	APLIN & MARTIN	STORM	
V 361	208 ST. W. OF 48 AVE	APLIN & MARTIN	SANITARY SEWER	
V 362	208 ST. W. OF 48 AVE	APLIN & MARTIN	SANITARY SEWER	
V 408	208 ST. W. OF 48	APLIN & MARTIN	CATCH BASIN LEADS	
V 414-1-41	W. OF 132, S. OF QUEEN MARY	APLIN & MARTIN	SANITARY SEWER	06/02/77
V 483-1-66	BCDC PROPERTY S. OF TILBURY STATION	APLIN & MARTIN	48" CULVERT	06/20/
V 664-1-66	SUBDIVISION W OF TASKER RD. S. OF RIVER RD. IN CUL DE SAC "A"	APLIN & MARTIN	ROAD	04/03/78
V 665-1-66	SUBDIVISION W OF TASKER RD. S. OF RIVER RD. IN CUL DE SAC "A"	APLIN & MARTIN	CONCRETE CURBS	
V 666-1-66	SUBDIVISION W OF TASKER RD. S. OF RIVER RD. IN CUL DE SAC "A"	APLIN & MARTIN	10" SANITARY SEWER	04/07/
V 667-1-66	SUBDIVISION W OF TASKER RD. S. OF RIVER RD. IN CUL DE SAC "A"	APLIN & MARTIN	8" WATER	04/14/
V 668-1-66	NORTHERLY ACCESS RD. AT RD. C S. OF RIVER RD. & TILBURY STM.	APLIN & MARTIN	ACCESS ROAD	04/02/78
V 809-1-80	LANE S. OF 82 AVE	APLIN & MARTIN	8" WATER MAIN	
V 810-1-80	W. OF 108 ST. S OF 82 AVE	APLIN & MARTIN	5' ASPHALT SIDEWALK	
V1173.1.24	154 ST S OF 96 AVE.	APLIN & MARTIN	STORM SEWER XING	
V1174.1.24	E OF 154 ST & S OF 96	APLIN & MARTIN	STORM SEWER XING 30"	
V1175.1.24	E OF 154 ST & S OF 96	APLIN & MARTIN	STORM SEWER XING	
V1176.1.24	E OF 154 ST & S OF 96	APLIN & MARTIN	STORM SEWER XING 30"	
V1195.1.25	152 N OF 94TH AVE.	APLIN & MARTIN	RD & CURBS 30" MTP	09/03/80
V1196.1.25	152 N OF 94TH AVE.	APLIN & MARTIN	SIDEWALK - EAST SIDE	09/08/81
V1197.1.25	152 N OF 94TH AVE.	APLIN & MARTIN	SIDEWALK - WEST	09/08/81
V1198.1.25	152 N OF 94TH AVE.	APLIN & MARTIN	STR. LDG. EAST	08/25/80
V1199.1.25	152 N OF 94TH AVE.	APLIN & MARTIN	STR. LDG. WEST	09/08/81
V1257.1.66	76 ST S OF VANTAGE	APLIN & MARTIN	RAILWAY EXT 12"	05/22/81
V1304.1.24	154 ST. S OF 96 AVE	APLIN & MARTIN	TEMP RD 30"	10/06/80
V1305.1.24	154 ST. S OF 96 AVE	APLIN & MARTIN	TEMP RD 30"	10/06/80
V1306.1.24	154 ST. S OF 96 AVE	APLIN & MARTIN	TEMP RD 30"	10/06/80
V1307.1.24	154 ST. S OF 96 AVE	APLIN & MARTIN	TEMP RD 30"	10/06/80
V1446.1.24	W OF 156 S OF 96 AVE	APLIN & MARTIN	SAN SEWER 30	03/21/84
V1700	88TH AVE. & 140 ST	APLIN & MARTIN	SEWER SERV 6"	03/24/82
V1706.1.23	160 ST S OF 96 AVE	APLIN & MARTIN	SEWER 36"	04/15/82
V1708.1.23	160 & 96 AVE	APLIN & MARTIN	SEWER 36	04/15/82
V1752	51 & 208	APLIN & MARTIN	RD WIDENING	
V1753	51 & 208	APLIN & MARTIN	WATERMAIN	
V1771.1.18	98 & 208	APLIN & MARTIN	GRAVEL ROAD	08/04/82
V1772.1.18	96TH & 208TH ST	APLIN & MARTIN	SANITARY SEWER	08/04/82
V2059-1-39A	88 & 148 ST, SURREY	APLIN & MARTIN	ROAD - 146TH	02/08/84
V2060-1-39A	88 & 148 ST, SURREY	APLIN & MARTIN	SAN. SEWER	02/08/84
V2061-1-39A	88 & 148 ST, SURREY	APLIN & MARTIN	STORM SEWER	02/08/84

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FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V2062-1-39A	88 & 148 ST, SURREY	APLIN & MARTIN	WATER	02/08/84
V2063-1-39A	88 & 148 ST, SURREY	APLIN & MARTIN	ST. LIGHTING	02/08/84
V2064-1-39A	88 & 148 ST, SURREY	APLIN & MARTIN	ROAD - 147TH	02/08/84
V2924	68TH AVE E OF HYLAND	APLIN & MARTIN	WATER SERVICE (19MM)	06/06/84
V2925	68TH AVE E OF HYLAND	APLIN & MARTIN	WATER SERVICE (19MM)	06/06/84
V2926	68TH AVE E OF HYLAND	APLIN & MARTIN	WATER SERVICE (19MM)	06/06/84
V2927	68TH AVE E OF HYLAND	APLIN & MARTIN	WATER SERVICE (19MM)	06/06/84
V2928	68TH AVE E OF HYLAND	APLIN & MARTIN	WATER SERVICE (19MM)	06/06/84
V2967-1-80	N. OF RUNNELL DR. COQ.	APLIN & MARTIN	GRADING	11/06/84
V3056	208TH ST. (48 AVE TO 52 AVE)	APLIN & MARTIN	STREET LIGHTING	10/03/85
V3057	208TH ST. (48 AVE TO 52 AVE)	APLIN & MARTIN	STREET LIGHTING	10/03/85
V3058	208TH ST. (48 AVE TO 52 AVE)	APLIN & MARTIN	STREET LIGHTING	10/03/85
V3059	208TH ST. (48 AVE TO 52 AVE)	APLIN & MARTIN	STREET LIGHTING	10/03/85
V3060	208TH ST. (48 AVE TO 52 AVE)	APLIN & MARTIN	STREET LIGHTING	10/03/85
V3061	208TH ST. (48 AVE TO 52 AVE)	APLIN & MARTIN	STREET LIGHTING	10/03/85
V3062	208TH ST. (48 AVE TO 52 AVE)	APLIN & MARTIN	STREET LIGHTING	10/03/85
V3063	208TH ST. (48 AVE TO 52 AVE)	APLIN & MARTIN	STREET LIGHTING	10/03/85
V3067	208 ST (48 AVE TO 52)	APLIN & MARTIN	ROAD WORK	10/03/85
V3108	68TH AVE	APLIN & MARTIN	STREET LIGHTING	08/28/85
V3109	68TH AVE/138 ST	APLIN & MARTIN	STREET LIGHTING	08/28/85
V3223-1-42	131 ST AT 97 AVE	APLIN & MARTIN	STORM	11/08/85
V3224-1-42	131 ST AT 97 AVE	APLIN & MARTIN	SANITARY	11/08/85
V3273-1-38	152 STREET & 81 AVE	APLIN & MARTIN	ROADWORK 80B AVE.	02/11/87
V3274-1-38	152 STREET & 81 AVE	APLIN & MARTIN	ROADWORK 80A AVE.	02/11/87
V3275-1-38	152 STREET & 81 AVE	APLIN & MARTIN	STORM 80B	02/11/87
V3276-1-38	152 ST & 81 AVE.	APLIN & MARTIN	FR. DRAIN 80B AVE	02/11/87
V3277-1-38	152 ST & 81 AVE.	APLIN & MARTIN	STORM 80A AVE	02/11/87
V3278-1-38	152 ST & 81 AVE.	APLIN & MARTIN	FR DRAIN 80A AVE.	02/11/87
V3279-1-38	152 ST & 81 AVE.	APLIN & MARTIN	STORM 81 AVE	02/11/87
V3280-1-38	152 ST & 81 AVE.	APLIN & MARTIN	SANITARY 80B AVE.	02/11/87
V3281-1-38	152 ST & 81 AVE.	APLIN & MARTIN	SANITARY 80A AVE	02/11/87
V3282-1-38	152 ST & 81 AVE.	APLIN & MARTIN	WATER 80B AVE	02/11/87
V3283-1-38	152 ST & 81 AVE.	APLIN & MARTIN	WATER 80A AVE	02/11/87
V3295-1-17	95A AVE, W OF 216 ST.	APLIN & MARTIN	SANITARY SEWER	08/18/86
V3320	20TH AVE & 152 ST.	APLIN & MARTIN	SERVICE XING	09/24/86
V3337-1-17	216 ST & 96 AVE.	APLIN & MARTIN	250MMO WATERMAIN.	08/07/86
V3351-1-24	159 ST. S OF 95A AVE.	APLIN & MARTIN	SWALE	01/06/88
V3352-1-24	159 ST. S OF 95A AVE.	APLIN & MARTIN	LOT GRADING.	01/06/88
V3353-1-24	159 ST. S OF 95A AVE.	APLIN & MARTIN	2500 SANITARY	10/14/86
V3354-1-24	159 ST. S OF 95A AVE.	APLIN & MARTIN	3000 STORM.	10/14/86
V3425-1-38	152 ST & 81 AVE.	APLIN & MARTIN	DRAINAGE SWALE	
V3436	68TH AVE E. OF 140 ST.	APLIN & MARTIN	WATER SERVICE	03/05/87
V3437	68TH AVE E. OF 140 ST.	APLIN & MARTIN	WATER SERVICE	03/05/87
V3484	152. ST BTW 16TH & 19TH AVE	APLIN & MARTIN		10/21/87
V3540-1-36	160 ST, S OF 80 AVE	APLIN & MARTIN	FILL	04/19/88
V3541-1-36	160 ST, S OF 80 AVE	APLIN & MARTIN	ROAD (WITH SLABS)	04/19/88
V3542-1-36	160 ST, S OF 80 AVE	APLIN & MARTIN	WALKWAY	04/19/88

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V3543-1-36	160 ST, S OF 80 AVE	APLIN & MARTIN	200MM STORM	04/19/88
V3544-1-36	160 ST, S OF 80 AVE	APLIN & MARTIN	450MM STORM	04/19/88
V3545-1-36	160 ST, S OF 80 AVE	APLIN & MARTIN	200MM SANITARY	04/19/88
V3546-1-36	160 ST, S OF 80 AVE	APLIN & MARTIN	450MM SANITARY	
V3547-1-36	160 S/O 80 AVE	APLIN & MARTIN	200MM WATER	04/19/88
V3548-1-36	160 S/O 80 AVE	APLIN & MARTIN	200MM WATER	04/19/88
V3611-1-38	81 AVE & 151 ST	APLIN & MARTIN	LOT GRADING & SWALE	
V3612-1-38	81 AVE & 151 ST	APLIN & MARTIN	ROADWORK	
V3613-1-38	81 AVE & 151 ST	APLIN & MARTIN	SANITARY SEWER	
V3614-1-38	81 AVE & 151 ST	APLIN & MARTIN	WATER MAIN	
V3615-1-38	81 AVE & 151 ST	APLIN & MARTIN	STREET LIGHTING	
V3625-1-38	151 ST & 81 AVE	APLIN & MARTIN	SWALES	
V3102-1-35	168 ST & 80 AVE	APLIN & MARTIN (A&G CONSTR)	ROADWORK	08/12/85
V3103-1-35	168 ST & 80 AVE	APLIN & MARTIN (A&G CONSTR)	STORM SEWER	08/12/85
V3104-1-35	168 ST & 80 AVE	APLIN & MARTIN (A&G CONSTR)	SWALE	08/12/85
V3105-1-35	168 ST & 80 AVE	APLIN & MARTIN (A&G CONSTR)	SANITARY SEWER	08/12/85
V3106-1-35	168 ST & 80 AVE	APLIN & MARTIN (A&G CONSTR)	WATER MAIN	
V3107-1-35	168 ST & 80 AVE	APLIN & MARTIN (A&G CONSTR)	STREET LIGHTING	
V 505-1-65	6" P/L TILBURY IND. PARK PHASE I MAP NO 1-65	APLIN & MARTIN FOR BCDC	ROAD	10/18/
V 506-1-65	6" P/L TILBURY IND. PARK PHASE I MAP NO 1-65	APLIN & MARTIN FOR BCDC	CURB	
V 507	6" P/L TILBURY IND. PARK PHASE I MAP NO 1-65	APLIN & MARTIN FOR BCDC	WATER	11/17/77
V 508	6" P/L TILBURY IND. PARK PHASE I MAP NO 1-65	APLIN & MARTIN FOR BCDC	ROAD	10/18/77
V 509	12" P/L TILBURY IND. PARK PHASE I MAP NO 1-65	APLIN & MARTIN FOR BCDC	CURB	
V 510	12" P/L TILBURY IND. PARK PHASE I MAP NO 1-65	APLIN & MARTIN FOR BCDC	WATER	11/17/77
V 511	ROAD "A" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	ROAD	10/08/
V 512	ROAD "A" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	CURB	
V 513	ROAD "A" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	12" STORM	10/11/77
V 514	ROAD "A" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	18" SANITARY	09/30/77
V 515	ROAD "A" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	12" WATER	11/12/
V 516	ROAD "B" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	ROAD	10/18/
V 517	ROAD "B" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	CURB	
V 518	ROAD "B" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	15" SANITARY	09/13/77
V 519	ROAD "B" 12" P/L TILBURY IND. PARK PHASE I MAP NO. 1-65	APLIN & MARTIN FOR BCDC	12" WATER	11/17/77

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V 520	ROAD "A" 24" P/L TILBURY IND. PARK PHASE I	APLIN & MARTIN FOR BCDC	ROAD	11/17/77
V 521	ROAD "A" 24" P/L TILBURY IND. PARK PHASE I	APLIN & MARTIN FOR BCDC	CURB	
V 522	ROAD "A" 24" P/L TILBURY IND. PARK PHASE I	APLIN & MARTIN FOR BCDC	15" SANITARY	10/03/77
V 523	ROAD "A" 24" P/L TILBURY IND. PARK PHASE I	APLIN & MARTIN FOR BCDC	12" WATER	11/17/77
V 524	ACROSS 24" P/L TILBURY IND. PARK PHASE I	APLIN & MARTIN FOR BCDC	30" STORM	10/20/77
V 525	TASKER RD 24" P/L TILBURY IND. PARK PHASE I	APLIN & MARTIN FOR BCDC	ROAD	
V 526-1-65	TASKER RD 24" P/L TILBURY IND. PARK PHASE I	APLIN & MARTIN FOR BCDC	CURB	
V 527-1-65	TASKER RD 24" P/L TILBURY IND. PARK PHASE I	APLIN & MARTIN FOR BCDC	16" WATER	02/13/78
V3010	208 ST. NORTH 52A AVE.	ASEL	ROADWORK	11/20/84
V3011	208 ST. NORTH 52A AVE.	ASEL	ROADWORK	11/20/84
V3027	208 ST NTH 52A AVE	ASEL 3010 & 3011	CATCH BASIN LEAD	
V3026	208 ST NTH 52A AVE	ASEL X REF	DRIVEWAY ACCESS TO PARK	11/20/84
V 31-1-100	LANGAN & KINGSWAY	ASSOCIATED ENGINEERING	SANITARY SEWER	09/20/
V1511.1.76	MAYFAIR IND PARK	ASSOCIATED ENGINEERING	PRELOAD 20"	08/27/81
V2032	LANGLEY BY-PASS & 208 ST	ASSOCIATED ENGINEERING	CULVERT	09/12/83
V3537-1-98	KINGSWAY	ASSOCIATED ENGINEERING	SANITARY SEWER	
V3538-1-98	TRENTON ST	ASSOCIATED ENGINEERING	SANITARY SEWER	
V3369-1-19	19926-96 AVE.	ASSOCIATED PROJECT MANAGEMENT	CONC. SLABS	07/08/86
V3376-1-19	19926-96 AVE.	ASSOCIATED PROJECT MANAGEMENT	TEMP. EQUIPMENT XING	09/15/86
V 131-1-20	18646 - 96 AVE., SURREY	ATCO LEASING	LEVELLING, FILLING	
V1946 ????	134TH STR. SOUTH OF 96 AVE, SURREY	B & B	ROAD	04/02/83
V1947-1-54	134TH STR. SOUTH OF 96 AVE, SURREY	B & B	WATER	04/02/83
V1949-1-54	134TH STR. SOUTH OF 96 AVE, SURREY	B & B	STORM SEWER	04/02/83
V1950-1-54	134TH STR. SOUTH OF 96 AVE, SURREY	B & B	SWALE	
V1951-1-54	134TH STR. SOUTH OF 96 AVE, SURREY	B & B	SWALE	
V1952-1-54	134TH STR. SOUTH OF 96 AVE, SURREY	B & B	STREET LIGHTING	
V3603	HOPCOTT RD (TILBURY SAWMILL)	B.C. FOREST PRODUCTS	WATER LINE	
V3622-1-69	7515 HOPCOTT RD	B.C. FOREST PRODUCTS	250MM WATER 6"	05/19/88
V3623-1-69	7515 HOPCOTT RD	B.C. FOREST PRODUCTS	250MM WATER 12"	
V 109-1-5	APPROX. 1500' S. OF FRASER HWY, 12000' E. OF BRADNER	B.C. HYDRO	500 KV OVERHEAD POWER LINE	12/18/73
V 117-1-56	SURREY SERVICE CENTRE 86 AVE. W. OF 124 ST.	B.C. HYDRO	24" DRAINAGE CULVERT	06/11/73

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V 179-1-55 56	88 AVE. E. OF 124 ST. SURREY SERVICE CENTER.	B.C. HYDRO	30" STORM SEWER	09/20/74
V 193-1-56	124 ST. & 86 AVE. SURREY SERVICE CENTER.	B.C. HYDRO	24" A.C. STORM SEWER	04/22/75
V 207-1-41	S. OF 87B AVE XING 134 ST.	B.C. HYDRO	U/G CABLE	09/24/74
V 208-1-41	TULSY CR. S. OF 87B AVENUE	B.C. HYDRO	U/G CABLE	09/24/74
V 215-1-39	146 ST. & RD. D S. OF 88 AVE	B.C. HYDRO	U/G CABLE	12/ /74
V 246-1-41	QUEEN MARY W. OF 132 ST.	B.C. HYDRO	U/G ELECTRICAL CABLE	
V 273-1-56	124 ST. S. OF 88 AVE.	B.C. HYDRO	ROAD CROSSINGS	
V 328	84 ST. E. OF #17 HIGHWAY	B.C. HYDRO	UNDERGROUND CABLE	04/28/76
V 329	57B ST. W. OF #17 HIGHWAY	B.C. HYDRO	UNDERGROUND CABLE	04/29/76
V 330	28 AVE E. OF 53 ST.	B.C. HYDRO	UNDERGROUND CABLE	04/30/76
V 331	#17 HWY & 52 ST.	B.C. HYDRO	UNDERGROUND CABLE	05/03/76
V 333-1-103	BURY & WILSON - PT. COQ.	B.C. HYDRO	UNDERGROUND ELECTRIC	05/06/76
V 374-1-83	BURRARD MILE .3	B.C. HYDRO	230 KV AERIAL XING	
V 375-1-82 83	(A & B) MERIDIAN MILE .9	B.C. HYDRO	230 KV AERIAL XING	
V 376-1-82 83	BURRARD MILE 0.5	B.C. HYDRO	230 KV AERIAL XING	
V 377-1-76 77	MERIDIAN MILE 6.	B.C. HYDRO	230 KV AERIAL XING	
V 459	BENSON ROAD (72 ST. & 400 FREEWAY)	B.C. HYDRO	OVERHEAD POWER LINE	
V 498-1-14	89B AVE. E. OF GAY ST., LANG.	B.C. HYDRO		
V 499	EASTLEIGH CR. E. OF GLOVER	B.C. HYDRO		
V 561	208 ST. S. OF DOUGLAS CR.	B.C. HYDRO	U/G CABLE	
V 601	194A ST ALOHA W. OF 70 AVE	B.C. HYDRO		02/10/78
V 623-1-56	AT 124 ST., SURREY	B.C. HYDRO	24" STORM SEWER	05/03/78
V 632-1-8	52 AVE. W. OF 240 ST., LANGLEY	B.C. HYDRO		
V 685-1-17	S. 96 AVE. & 213 ST., LANG.	B.C. HYDRO	U/G STEEL DUCT	05/08/78
V 741-1-80	N/S COLLECTOR W. OF BARNET HIGHWAY	B.C. HYDRO	U/G ELECTRICAL	07/09/78
V 917-1-77	AUSTIN AVE E. OF HICKEY DR.	B.C. HYDRO	O/H PRIMARY-266.8 KCH	
V 918-1-77	N. OF MATHEWSON RD. S OF AUSTIN	B.C. HYDRO	ANCHOR GUY PRIMARY	
V1021-1-100	1515 KINGSWAY PT COQUITLAM	B.C. HYDRO	U/G ELECTRICAL DUCT	09/25/79
V1089	18TH AVE. & 152ND ST.	B.C. HYDRO	ELEC. DUCT 8" TP	
V1102.1.38	151 ST. E. 85 A AVE.	B.C. HYDRO	ELEC. DUCTS 18" MTP	
V1103.1.38	151 & 85 AVE.	B.C. HYDRO	ELEC. DUCTS 18" MTP	
V1180.1.8	248 ST & 48 AVE	B.C. HYDRO	O/H ELE XING 30 & 42	
V1281	20 AVE & 152 ST	B.C. HYDRO	ELEC DUCT 8"	10/01/80
V1314.1.65	S OF RIVER RD E OF 76	B.C. HYDRO	U/G 24"	
V1386.1.47	CURRIE DR W OF 143A	B.C. HYDRO	U/G 24"	01/28/81
V1391.1.79	SPURAWAY & MARIMER	B.C. HYDRO	O/H 20"	
V1437.1.78	CONO LAKE RD.	B.C. HYDRO	OVERHEAD 20"	05/06/81
V1444.1.78	CONO LAKE RD.	B.C. HYDRO	O/H 12"	05/06/81
V1447.1.77	CAPE HORN	B.C. HYDRO	O/H 04.07	
V1465	GLADWIN & SAANICH	B.C. HYDRO	U/G ELEC 6"	
V1468.1.17	212B S OF 95A AVE	B.C. HYDRO	U/G 30"	
V1471.1.25	148 ST S OF 96 AVE	B.C. HYDRO	U/G DUCTS 30"	06/04/81

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V1496	GLADWIN & OKANAGAN	B.C. HYDRO	U/G 6"	07/10/81
V1518.1.56	88TH & 124 ST	B.C. HYDRO	ROAD 24"	09/11/81
V1519.1.56	88TH & 124 ST	B.C. HYDRO	FIRE MAIN 24"	05/12/82
V1520	88TH & 124 ST	B.C. HYDRO	WATER MAIN 24"	05/18/82
V1521.1.56	88TH & 124 ST	B.C. HYDRO	SANITARY SEWER 24"	04/30/82
V1522.1.56	88TH & 124 ST	B.C. HYDRO	ELEC DUCT 24"	05/25/82
V1621.1.99	1645 KINGSMAY	B.C. HYDRO	ELEC DUCT 12"	11/26/81
V1669.1.100	KINGSMAY E OF CT MER	B.C. HYDRO	U/G 12"	12/15/81
V1689.1.91	216 ST & D. T.	B.C. HYDRO	U/G DUCTS 12"	05/19/83
V1698.1.102	WILSON & MARY HILL	B.C. HYDRO	U/G DUCT 12"	02/26/82
V1701.1.77	CAPE HORN & MATHEWSON	B.C. HYDRO	U/G DUCT 20"	03/24/82
V1705.1.31	68 AVE W OF 200 ST	B.C. HYDRO	O/H 18"	
V1728.1.31	197B ST & 68 AVE	B.C. HYDRO	POLE	
V1747.1.31	68 W OF 200 ST.	B.C. HYDRO	O/H WIRE	
V1796	GLADWIN & HARWOOD	B.C. HYDRO	U/G TP	11/02/82
V1874	3600 BLK 72 ST	B.C. HYDRO	U.G.	10/26/82
V1875	3600 BLK 72 ST	B.C. HYDRO	U.G.	10/26/82
V1876	3600 BLK 72 ST	B.C. HYDRO	U.G.	10/26/82
V1937	32859 MISSION WAY	B.C. HYDRO	UG 25 KV CABLE	02/25/83
V1945-1-103	SHARPE & CONO LAKE RD COQ.	B.C. HYDRO	UNDERGROUND DUCT	02/14/83
V1946-1-23	164TH SOUTH OF 96 AVE, SURREY	B.C. HYDRO	UNDERGROUND DUCT	05/16/83
V2073	208 ST. N. OF 44 AVE.	B.C. HYDRO	ELECT. DUCT	03/06/84
V2897	GLADWIN RD S. OF ROSSLAND	B.C. HYDRO	DUCTS	03/26/87
V2929-1-94	202 ST, N OF DEWDNEY TRUNK	B.C. HYDRO	U/G DUCT	03/26/87
V2949	GLADWIN RD. S/O MACLURE	B.C. HYDRO	U/G DUCT	08/09/84
V3013-1-77	N OF HICKEY DR. COQ. (SEE ALSO V3023-1-77)	B.C. HYDRO	20" U/G ELEC.	10/22/84
V3046	137A ST. NTH OF 68 AVE.	B.C. HYDRO	U/G DUCT	04/23/85
V3072	5978 GLOVER RD. LANGLEY	B.C. HYDRO	3" DIA. PLASTIC DUCT	03/18/85
V3080	DEWDNEY TRK RD W OF GARIBALDI	B.C. HYDRO	CURB & ASPHALT	03/26/87
V3099-1-69	7515 HOPCOTT RD	B.C. HYDRO	6" WATERLINE	09/30/85
V3100-1-69	7515 HOPCOTT RD	B.C. HYDRO	12" WATERLINE	09/30/85
V3140-1-62	MORDEL INTERCHANGE	B.C. HYDRO	24" U/G DUCT.	11/22/85
V3141-1-62	ANNACIS HWY DELTA	B.C. HYDRO	36" U/G DUCT.	11/22/85
V3297	GLADWIN RD S FRASER WAY	B.C. HYDRO	U/G DUCT.	
V3300	5449-208 ST LANGLEY.	B.C. HYDRO	U/G ELEC DUCT & TEL	05/27/86
V3306	DAHLSTROM AVE W/O GLADWIN	B.C. HYDRO	DUCT	05/21/86
V3324-1-87	HARRISON RD MAPLE RIDGE	B.C. HYDRO	U/G DUCT	01/05/88
V3401-1-94	207 & DEWDNEY TRUNK MR	B.C. HYDRO	U/G DUCT.	01/13/87
V3402-1-94	207 & DEWDNEY TRUNK	B.C. HYDRO	U/G DUCT	01/13/87
V3420-1-38	80A AVE. E/O 150 ST.	B.C. HYDRO	U/G DUCT	02/11/87
V3421-1-38	80B AVE. E/O 150 ST.	B.C. HYDRO	U/G DUCT	02/11/87
V3423	2101-152 ST, SURREY	B.C. HYDRO	2-4" PLASTIC ELECT. DUCTS	12/09/86
V3502-1-40	140A ST. S OF 88 AVE.	B.C. HYDRO	U/G ELECTRICAL	09/09/87
V3520	152 ST 18 AVE	B.C. HYDRO	ELEC & BC TEL	10/27/87
V3534-1-77	N OF HICKEY W OF MARINER	B.C. HYDRO	U/G ELEC.	02/26/88
V3535-1-40	140 ST S OF 88 AVE	B.C. HYDRO	U/G ELEC.	

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FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V3555-1-55	126 ST @ 89 AVE SURREY	B.C. HYDRO	BCH	
V3627-1-70	N OF CNR TRACKS, TILBURY ISL.	B.C. HYDRO	O/H ELEC 20"	
V3628-1-70	N OF CNR TRACKS, TILBURY ISL.	B.C. HYDRO	O/H ELEC 24"	
V3646-1-23	161 ST S OF 95A AVE	B.C. HYDRO	ELEC DUCTS	
V 426	12 AVE. E. OF 53A ST.	B.C. HYDRO - B.C. TELEPHONE	TEL DUCT	
V 452-1-55	88 AVE. & 124 ST.	B.C. HYDRO - M D LEA & ASSOC	CURB	
V 453-1-55	88 AVE. & 124 ST.	B.C. HYDRO - M D LEA & ASSOC	SIDEWALK	
V 454-1-55	88 AVE. & 124 ST.	B.C. HYDRO - M D LEA & ASSOC	STORM SEWER	03/09/77
V 455-1-55	88 AVE. & 124 ST.	B.C. HYDRO - M D LEA & ASSOC	STREET LIGHTING	
V 456-1-69	S. SIDE RIVER ROAD W. TILBURY	B.C. HYDRO - VINCE MASEK		
V 457-1-69	S. SIDE RIVER ROAD W. TILBURY	B.C. HYDRO - VINCE MASEK	OVERHEAD POWER LINES	
V 458-1-69	S. SIDE RIVER ROAD W. TILBURY	B.C. HYDRO - VINCE MASEK		
V 212-1-81	MERIDIAN SUB STN.	B.C. HYDRO CONSTRUCTION	2 12" CULVERT XINGS	09/16/74
V1885-1-77	CAPE HORN INTCHGE. COQ	B.C. HYDRO DSTN DOS	U/G ELECTRIC	10/26/82
V 11-1-8	236 ST. N. OF 52 AVE	B.C. HYDRO ELECTRICAL		02/ /71
V 58	12 AVE E. OF 53A ST	B.C. HYDRO ELECTRICAL	U/G CABLE	10/16/72
V 61 (A)	STUART PL & STUART CR.	B.C. HYDRO ELECTRICAL	U/G CABLE	08/ /72
V 61 (B)	RIVERSIDE ROAD	B.C. HYDRO ELECTRICAL	U/G CABLE	08/ /72
V 66-1-23	164 ST. S. OF 96 AVE	B.C. HYDRO ELECTRICAL	U/G CABLE DUCTS (3)	07/27/72
V 67-1-61	CANTERBURY HEIGHTS SUBDIV. (A)	B.C. HYDRO ELECTRICAL	U/G CABLE	07/26/72
	MODESTO DR (B) WILTSHIRE BLVD			
V 90	56 ST. @ 4 LOCATIONS BETWEEN VIEW & 14B	B.C. HYDRO ELECTRICAL	U/G ELECTRICAL CONDUIT	
V 99-1-50	W. OF 140 ST. & 103A AVE	B.C. HYDRO ELECTRICAL	4" TRANSITE DUCTS	07/05/73
V 121-1-103 (B)	WILSON AVE @ BURY ST. - COQUITLAM	B.C. HYDRO ELECTRICAL	4" MANHOLE DRAIN	
V 121-1-103 (A)	WILSON AVE @ BURY ST. - COQUITLAM	B.C. HYDRO ELECTRICAL	6 X 4" DUCT	
V 135-1-43	127A ST. S. OF 100 AVE	B.C. HYDRO ELECTRICAL	U/G ELECTRIC	06/02/75
V 148-1-79	HAWSER AVE. W. OF MARINER WAY - COQUITLAM	B.C. HYDRO ELECTRICAL	CABLE XING	
V 149-1-77	N. OF MATHEWSON AVE - COQ.	B.C. HYDRO ELECTRICAL	CABLE XING	
V 155	8800 BLK. 124 ST.	B.C. HYDRO ELECTRICAL	3" STEEL COMMUNICATION DUCT	02/27/74
V 156-1-55 77	150' N. OF MATHEWSON - COQ.	B.C. HYDRO ELECTRICAL		
V 223-1-59	111A & 111B N. OF 84 AVE	B.C. HYDRO ELECTRICAL	B) U/G CABLE	12/04/74
V 223-1-59	111A & 111B N. OF 84 AVE	B.C. HYDRO ELECTRICAL	A) U/G CABLE	12/04/74
V 227-1-43	GLADWIN S. OF FRASER HWY	B.C. HYDRO ELECTRICAL	A) ELECTRICAL DUCT	
V 227-1-43	GLADWIN S. OF FRASER HWY	B.C. HYDRO ELECTRICAL	B) ELECTRICAL DUCT	
V 228-1-93	COMO LAKE W. OF SPURAWAY	B.C. HYDRO ELECTRICAL	230 KV LINE	08/15/75
V 241-1-93	W. OF 212, S. OF WICKLUND	B.C. HYDRO ELECTRICAL	B) U/G ELECT CABLE	06/13/75
V 241-1-93	W. OF 212, S. OF WICKLUND	B.C. HYDRO ELECTRICAL	A) U/G ELECT CABLE	06/13/75
V 241-1-93	W. OF 212, S. OF WICKLUND	B.C. HYDRO ELECTRICAL	C) U/G ELECT CABLE	
V 241-1-93	W. OF 212, S. OF WICKLUND	B.C. HYDRO ELECTRICAL	D) U/G ELECT CABLE	
V 243-1-93	210 ST. N. OF D.T. ROAD	B.C. HYDRO ELECTRICAL		
V 277-1-105	LOUGHEED HWY DIVERSION & COMO LAKE SUB.	B.C. HYDRO ELECTRICAL	230 KV CABLE	01/31/76
V 278	52 ST. S. OF #17 HIGHWAY	B.C. HYDRO ELECTRICAL	U/G	

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V 280-1-50	S. OF 103A AVE W OF 140 ST. HYDRO ELEC. SUB STN.	B.C. HYDRO ELECTRICAL	UNDERGROUND ELECTRIC	09/22/75
V 289-1-78	AUSTIN E. OF HICKEY	B.C. HYDRO ELECTRICAL	O/H 60 KV & 500 KV T/L	
V 317-1-52	BALLOUGH (95 AVE) W. OF 131A	B.C. HYDRO ELECTRICAL		11/03/76
V 318-1-38 39	RD. B.S. OF 88, W. OF 150TH	B.C. HYDRO ELECTRICAL		03/ /76
V 319-1-38 39	150 ST. S. OF RD. "B"	B.C. HYDRO ELECTRICAL		03/08/76
V 320-1-38 39	86 AVE. E. OF 150 ST.	B.C. HYDRO ELECTRICAL		03/15/76
V 350-1-41	TULSY CR. W. OF 87A AVE	B.C. HYDRO ELECTRICAL	U/G CABLE	01/24/77
V 475-1-93	210 ST. N. OF DEWDNEY T. RD.	B.C. HYDRO ELECTRICAL	U/G CABLE	06/16/
V 533-1-80	E. OF CORNWALL ST. AND W. OF BARNET HIGHWAY	B.C. HYDRO ELECTRICAL		
V 536-1-79	BARNET HIGHWAY W. OF BOND ST.	B.C. HYDRO ELECTRICAL		
V 575-1-76	LEEDER AVE EXT. COQ. (MAYFAIR)	B.C. HYDRO ELECTRICAL		
V 580-1-76	BRAID ST. COQ. (MAYFAIR)	B.C. HYDRO ELECTRICAL		
V 594	COMO LAKE S. OF LOUGHEED	B.C. HYDRO ELECTRICAL	U/G CABLE	01/12/78
V 615-1-101	KINGSWAY S. OF WILSON, P. COQ	B.C. HYDRO ELECTRICAL	U/G ELECT. DUCT	02/15/78
V 621-1-93	211 ST. S. OF 121 AVE., M.R.	B.C. HYDRO ELECTRICAL		12/30/77
V 693	52A AVE & 208 ST.	B.C. HYDRO ELECTRICAL		05/11/78
V 707	51 ST. SOUTH OF 11A AVENUE	B.C. HYDRO ELECTRICAL		
V 708	51 ST. SOUTH OF 11A AVENUE	B.C. HYDRO ELECTRICAL		
V 709	51 ST. SOUTH OF 11A AVENUE	B.C. HYDRO ELECTRICAL		
V 713-1-41	91A AVE E. OF PR. CHARLES	B.C. HYDRO ELECTRICAL	U/G DUCT	04/27/79
V 788-1-8	S. OF 56 AVE & W. OF 232 ST.	B.C. HYDRO ELECTRICAL		05/04/79
V 870-1-15	WRIGHT RD S. SAILES RD. LANG.	B.C. HYDRO ELECTRICAL	OVERHEAD EL. 30" MTP	
V 905-1-27	22901 - 56 AVE., LANGLEY	B.C. HYDRO ELECTRICAL	O/H ELECT. XING 18" MTP	
V 906-1-98	MARYHILL BYPASS	B.C. HYDRO ELECTRICAL	O/H ELECT. XING 18" MTP	
V 907-1-98	MARYHILL BYPASS	B.C. HYDRO ELECTRICAL	ANCHOR INSTALLATIONS	
V 916-1-98	MARYHILL BYPASS	B.C. HYDRO ELECTRICAL	60 KV ELECT	
V 938-1-100	KINGSWAY & LANGAN, PT. COQ.	B.C. HYDRO ELECTRICAL	DUCT INSTALL'N XING 12" MTP	11/05/79
V 950-1-102	WILSON RD. E. OF DONALD RD.	B.C. HYDRO ELECTRICAL	DUCT XING 12" MTP	09/24/79
V 978-1-53	92 AVENUE & KING GEORGE HWY	B.C. HYDRO ELECTRICAL	DUCTWORK IN R/W	09/12/79
V1067	24 AVENUE & 142 STREET	B.C. HYDRO ELECTRICAL	DUCTS 8" T.P.	
V1088	24 AVENUE & 144 STREET	B.C. HYDRO ELECTRICAL	DUCTS 8" T.P.	
V1110.1.103	COMO LAKE & WESTWOOD	B.C. HYDRO ELECTRICAL	U/G ELECTRICAL DUCT	08/28/80
V1114.1.103	COMO LAKE & WESTWOOD	B.C. HYDRO ELECTRICAL	U/G EL. DUCT/W. CROSS	08/28/80
V1148	CEDAR ST	B.C. HYDRO ELECTRICAL	POLE RELOCATION	
V1152	ACCESS RD W OF KINGSWAY	B.C. HYDRO ELECTRICAL	ELEC U/G DUCT XING	
V1158.1.103	COMO LAKE & WESTWOOD	B.C. HYDRO ELECTRICAL	U/G ELEC DUCT X 12"	07/17/80
V1159.1.56	124 E. 88 AVE.	B.C. HYDRO ELECTRICAL	ROADWAY	06/12/80
V1178.1.79	N OF COMO LK. & W OF MARINER	B.C. HYDRO ELECTRICAL	ELECT DUCT XING 30"	08/22/80
V1235.1.76	TAPPEN W OF GOLDEN	B.C. HYDRO ELECTRICAL	25 KV U/G 20"	
V1253.1.8	48B AVE W OF 248 ST	B.C. HYDRO ELECTRICAL	O/H EL 42"	
V1254.1.8	48B AVE W OF 248 ST	B.C. HYDRO ELECTRICAL	O/H EL 30"	
V1255.1.19	198 S OF 96 AVE	B.C. HYDRO ELECTRICAL	O/H EL 30"	
V2051	5844 GLOVER RD	B.C. HYDRO ELECTRICAL	ELEC	10/06/83
V2958-1-78	MARINER WAY @ CHILKO DR COQ	B.C. HYDRO ELECTRICAL	U/G ELEC DUCT	04/28/87
V2978-1-60	N OF 84 AVE W OF SULLIVAN PL	B.C. HYDRO ELECTRICAL	230 KV AERIAL	09/28/84

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V2979-1-60	82 AVE, W OF 108 ST	B.C. HYDRO ELECTRICAL	230 KV AERIAL	09/28/84
V2980-1-62	WEST OF DELTA GATE	B.C. HYDRO ELECTRICAL	230 KV AERIAL	09/28/84
V2981-1-63	EAST OF RIVER RD	B.C. HYDRO ELECTRICAL	230 KV AERIAL	09/28/84
V2982-1-60	EAST OF RIVER RD	B.C. HYDRO ELECTRICAL	RIDER POLES	09/28/84
V3645	152ND ST & 20TH AVE	B.C. HYDRO ELECTRICAL	2-4" DUCTS	
V 444	11A AVE & 51 ST.	B.C. HYDRO ELECTRICAL & B.C. TEL	2-3" DUCTS	05/19/
V 93-1-55	124 ST. S. OF 86 AVE	B.C. HYDRO ENGINEERING	12" D.I. WATER PIPE	10/16/73
V 94-1-55	88 AVE. E. OF 124 ST.	B.C. HYDRO ENGINEERING	10" SEWER	11/01/73
V2004-1-56	88 AVE & 120 ST., SURREY	B.C. HYDRO GAS ENGINEERING	DRIVEWAY (TO EAST)	
V1019	152 ST. & S OF 64 AVENUE	B.C. HYDRO R/R	U/G DUCT	
V 622-1-56	S. OF 86 AVENUE	B.C. HYDRO RESEARCH & DEVELOP.		
V 624	S. OF 86 AVENUE @ 124 ST.,	B.C. HYDRO RESEARCH & DEVELOP.		09/24/77
V 625	S. OF 86 AVENUE @ 124 ST.,	B.C. HYDRO RESEARCH & DEVELOP.		
V3321-1-79	DENDNEY TR. RD., COQUITLAM	B.C. HYDRO.	U/G DUCT	10/30/86
V2005-1-56	88 AVE & 120 ST., SURREY	B.C. HYDRO GAS ENGINEERING	DRIVEWAY (TO WEST)	
V 16-1-55	88 AVE. E. OF 124 ST.	B.C. TELEPHONE	U/G CONDUIT	02/23/71
V 36	LOUGHEED AT DONATELLI	B.C. TELEPHONE	B.C. TEL U/G CABLE	
V 37	LOUGHEED AT MCLEAN	B.C. TELEPHONE	B.C. TEL U/G CABLE	
V 50-1-88	LOUGHEED E. OF 227 ST.	B.C. TELEPHONE	CONDUIT INSTALLATION	09/29/72
V 62		B.C. TELEPHONE	PLASTIC CABLE DUCT	
V 64-1-42 (B)	STUART PLACE, SURREY	B.C. TELEPHONE		
V 64-1-42 (A)	STUART CRESCENT, SURREY	B.C. TELEPHONE		
V 68	56 ST. AT 14A AVE, TSANWASSEN	B.C. TELEPHONE	TELEPHONE CABLE DUCT	
V 70-1-23	164 ST. S. OF 96 AVE	B.C. TELEPHONE	U/G CABLE	07/27/72
V 77-1-79	CONO LAKE AT SPURAWAY	B.C. TELEPHONE		
V 82	56 ST. & 18 AVE.	B.C. TELEPHONE	PVC DUCT INSTALLATION	06/02/73
V 84-1-42	RD. 9 E. OF 9300 BLK. PRINCE CHARLES	B.C. TELEPHONE	CABLE	
V 95-1-34	HARVIE RD. N. OF FR. HWY	B.C. TELEPHONE	BURIED CABLE	04/02/73
V 111-1-29	GLOVER RD. BTWN LOGAN & SPRINGBROOK, LANGLEY	B.C. TELEPHONE	U/G DUCT	
V 112 (A-E)	208 ST., FRASER HIGHWAY TO 48 AVENUE LANGLEY	B.C. TELEPHONE		
V 137-1-43	127A ST. S. OF 100 AVE	B.C. TELEPHONE	U/G CABLE	
V 137-1-43	127A ST S OF 100 AVE	B.C. TELEPHONE	U/G CABLE	
V 165-1-79	HANSEN W. OF MARINER	B.C. TELEPHONE	2 - 3" DUCTS'	
V 168-1-89	224 ST.W. OF D.T. ROAD	B.C. TELEPHONE	U/G CABLE	04/25/74
V 177-1-50	104 AVE E. OF 140 ST.	B.C. TELEPHONE	U/G CABLE	05/02/74
V 182-1-7	264 ST. N. OF 40 AVE	B.C. TELEPHONE	U/G DUCT	07/04/74
V 183	GLADWIN & SOUTH FR. WAY	B.C. TELEPHONE	U/G DUCT	08/09/74
V 185-1-97	LOUGHEED & KENNEDY - P. WOODY	B.C. TELEPHONE	U/G CABLE	06/12/74
V 190-1-43	128 ST. S. OF 100 AVE	B.C. TELEPHONE		10/29/74
V 206-1-39	S. OF 88 AVE W. OF 148 ST.	B.C. TELEPHONE	B)	
V 206-1-39	S. OF 88 AVE W. OF 146 ST.	B.C. TELEPHONE	A)	
V 219-1-41	134 ST. & TULSY CR.	B.C. TELEPHONE	U/G CABLE (A & B)	09/24/74
V 222	210 ST. S. OF WICKLUND	B.C. TELEPHONE		11/13/74

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V 229-1-93	111A & 111B S. OF 85 AVE	B.C. TELEPHONE		12/ /74
V 247-1-93	212 ST. S. OF WICKLUND	B.C. TELEPHONE		
V 253-1-41	90 AVE. & 130 ST.	B.C. TELEPHONE	U/G CABLE	
V 262-1-44	OLD YALE W OF SCOTT RD	B.C. TELEPHONE	U/G CABLE	
V 262-1-44	OLD YALE W. OF SCOTT	B.C. TELEPHONE	U/G TELEPHONE CABLE	
V 266-1-79 80	BARNET HWY W. OF BOND	B.C. TELEPHONE	U/G CABLE	07/03/75
V 276-1-1	WHATCOM ROAD	B.C. TELEPHONE	UNDERGROUND CABLE	11/05/75
V 287	64 AVE. & 152 ST.	B.C. TELEPHONE		
V 293-1-94	S. OF 120B & W. OF 214 ST.	B.C. TELEPHONE		
V 297	64 AVE & 152 ST.	B.C. TELEPHONE		
V 302-1-3	FOY S. OF MARSHALL	B.C. TELEPHONE	CANCELLED - SEE V328 TO V331	
V 312-1-38 39	S. OF 86 & E. OF 150 ST.	B.C. TELEPHONE		
V 323-1-39	150 ST. & RD. B (N. OF 86TH)	B.C. TELEPHONE		03/15/76
V 324-1-39	RD. B W. OF 150 ST.	B.C. TELEPHONE		03/15/76
V 325-1-38 39	86 AVE E. OF 150 ST.	B.C. TELEPHONE		03/15/76
V 340-1-4	ROSS S. OF SUNVALLEY CR.	B.C. TELEPHONE		
V 343	246A ST. S. OF 50 AVE	B.C. TELEPHONE	CANCELLED - SEE PERMIT V346	
V 345-1-6	MACLURE W. OF BRADNER	B.C. TELEPHONE	AERIAL CABLE	
V 346-1-8	246A ST. S. OF 50 AVE	B.C. TELEPHONE	AERIAL CABLE	
V 348	104 AVE & 272 ST.	B.C. TELEPHONE	U/G DUCT	04/06/76
V 356-1-41	TULSY CR. N. OF 87A AVE	B.C. TELEPHONE	U/G CABLE	01/24/77
V 365-1-5 6	BRADNER RD. S. OF MACLURE	B.C. TELEPHONE	AERIAL CABLE	
V 369	A-F 264 ST. BETWEEN 80 & 88 AVES.	B.C. TELEPHONE	DUCT XING	
V 372-1-13 14	88 AVE W. OF TRATTLE RD.	B.C. TELEPHONE	U/G CABLE	09/29/
V 384-1-2	MCCALLUM S. OF MCCONNELL	B.C. TELEPHONE	AERIAL CABLE	
V 400-1-5	FRASER HWY E. OF BRADNER	B.C. TELEPHONE	AERIAL CABLE	
V 403-1-93	LAITY ST. N. OF D.T. RD.	B.C. TELEPHONE	U/G CABLE	12/01/76
V 406-1-37	152 ST. & REG. STN.	B.C. TELEPHONE		10/15/76
V 430	GRADE CR. & 208 ST.	B.C. TELEPHONE		
V 431-1-93	212 ST., MAPLE RIDGE	B.C. TELEPHONE	(A-D) U/G DUCTS	
V 448	51 ST. & 11A AVE	B.C. TELEPHONE		
V 468	14 AVE E. OF 55A ST.	B.C. TELEPHONE		
V 476	48 AVE. E. OF 272 ST.	B.C. TELEPHONE		07/28/
V 477	208 ST. & DOUGLAS CR.	B.C. TELEPHONE	U/G CONDUIT	06/23/
V 489	208 ST. S. OF DOUGLAS	B.C. TELEPHONE		
V 490-1-93	210 ST. N. OF DEWDNEY TRUNK	B.C. TELEPHONE		
V 497	EASTLEIGH CR. E. OF GLOVER	B.C. TELEPHONE		06/14/77
V 500	EASTLEIGH CR. E. OF GLOVER	B.C. TELEPHONE	(EAST OF V497) IN SAME FILE	06/14/77
V 530-1-80	N. OF BARNET HWY BETWEEN CORNWALL & LANSLOWNE	B.C. TELEPHONE		
V 538-1-1	WHATCOM RD. S. OF VYE RD.	B.C. TELEPHONE		
V 539	208 ST. S. OF DOUGLAS CR.	B.C. TELEPHONE		
V 545	208 ST.	B.C. TELEPHONE		
V 546-1-14	89B W. OF TRATTLE	B.C. TELEPHONE		
V 547-1-19	192 ST. S. OF 96 AVE	B.C. TELEPHONE		
V 584-1-76	BRAID STREET EAST OF LEEDER	B.C. TELEPHONE		

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V 604-1-93	211 ST. N. OF D.T. ROAD	B.C. TELEPHONE		12/30/78
V 605-1-41	88 AVE'W. OF 132 ST.	B.C. TELEPHONE	U/G CABLE	05/04/78
V 663-1-31	ALOHA DR. N. OF 70 AVE.	B.C. TELEPHONE	3" DUCT	
V 679	208 ST. S. OF DOUGLAS CR.	B.C. TELEPHONE		
V 699-1-27	224 ST. N. OF 57A AVE	B.C. TELEPHONE		
V 702-1-3	MARSHALL RD. DIV. W. OF CLEARBROOK RD.	B.C. TELEPHONE	1) 30"	06/02/78
V 703-1-3	MARSHALL RD. DIV. W. OF CLEARBROOK RD.	B.C. TELEPHONE	2) 42"	06/02/78
V 714-1-4	PEARDONVILLE N. OF MARSHALL ROAD EXTENSION	B.C. TELEPHONE	42" OVERHEAD	
V 718-1-4	PEARDONVILLE N. OF MARSHALL RD. EXTENSION	B.C. TELEPHONE	30" OVERHEAD	
V 719-1-1	ANGUS CAMPBELL RD. S. OF VYE RD., ABBOTSFORD	B.C. TELEPHONE	30"	11/15/78
V 720	ANGUS CAMPBELL RD. S. OF VYE RD., ABBOTSFORD	B.C. TELEPHONE	42"	11/15/78
V 759-1-41	91A AVE E. OF PR. CHARLES	B.C. TELEPHONE		03/27/79
V 762-1-65	80 ST. S. OF RIVER RD.	B.C. TELEPHONE		
V 763-1-80	S. COLLECTOR RD., COQUITLAM	B.C. TELEPHONE		09/07/79
V 764-1-48	110 AVE E. OF 140A ST.	B.C. TELEPHONE		
V 832-1-12	RAWLINSON CR.	B.C. TELEPHONE	12"	
V 833-1-12	E. OF 232 ST.	B.C. TELEPHONE	30"	
V 837-1-31	200 ST. S. OF 68 AVE	B.C. TELEPHONE		03/15/79
V 845-1-65	ROAD C - TILBURY ISLAND	B.C. TELEPHONE	6" TRANS.	
V 847-1-65	ROAD C - TILBURY ISLAND	B.C. TELEPHONE	12" TRANS.	
V 848-1-66	TILBURY PARK-76 ST. S. OF VANTAGE WAY, CNR R/W	B.C. TELEPHONE		
V 858	RIVERSIDE RD. @ MISSION BRIDGE	B.C. TELEPHONE		
V 869-1-4	ROSS RD.E.OF SUNVALLEY CRES. MATS.	B.C. TELEPHONE	CABLE	
V 871-1-4	ROSS RD S OF SUNVALLEY CR. MATS	B.C. TELEPHONE	CABLE	
V 881-1-8	248 ST AT 48 AVE., LANGLEY	B.C. TELEPHONE	OVERHEAD WIRE OVER 42"NTP	
V 882-1-8	248 ST AT 48 AVE., LANGLEY	B.C. TELEPHONE	OVERHEAD WIRE OVER 30"NTP	
V 883-1-8	248 ST AT 48 AVE., LANGLEY	B.C. TELEPHONE	OVERHEAD WIRE OVER 42"NTP	
V 884-1-8	248 ST AT 48 AVE., LANGLEY	B.C. TELEPHONE	OVERHEAD WIRE OVER 30"NTP	
V 887-1-69	RIVER RD. E. OF 72 ST. DELTA (SEE V898 ALSO)	B.C. TELEPHONE	AERIAL TEL. XING (12"NTP)	
V 898-1-69	RIVER RD. E. OF 72 ST. DELTA	B.C. TELEPHONE	AERIAL TEL XING 6" NTP	
V 901	51 ST. S OF 11A AVE. DELTA	B.C. TELEPHONE	U/G CABLE 6" TP	
V 902	51 ST. S OF 11A AVE. DELTA	B.C. TELEPHONE	U/G CABLE 6" TP	
V 903-1-53	92 AVE AND KING GEORGE HWY	B.C. TELEPHONE	U/G CABLE 24" TP	06/22/79
V 910	HWY #10 & 64 AVE. DELTA	B.C. TELEPHONE	U/G CABLE - 6" TP (175)	
V 911	HWY #10 E OF 64 AVE. DELTA	B.C. TELEPHONE	U/G CABLE - 6" TP (175)	
V1030-1-3	CLEARBROOK RD. & R/W MATSQUI	B.C. TELEPHONE	U/G TEL CABLE 30"	12/04/79
V1031-1-3	CLEARBROOK RD. & R/W MATSQUI	B.C. TELEPHONE	U/G TEL CABLE 42"	12/04/79

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FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V1047-1-100	1745 KINGSWAY, COQUITLAM	B.C. TELEPHONE	AERIAL CROSSING	
V1048-1-100	KENNAMETAL INC (1651 KINGSWAY)	B.C. TELEPHONE	AERIAL CROSSING	
V1049-1-100	KINGSWAY & COAST MERIDIAN	B.C. TELEPHONE	AERIAL CROSSING	
V1056	24 AVE & 142 STREET	B.C. TELEPHONE	U/G TELEPHONE DUCT	12/03/79
V1060-1-3	CLEARBROOK RD & T. C HWY.	B.C. TELEPHONE	AERIAL 42" MTP	
V1061-1-3	CLEARBROOK RD & T. C HWY.	B.C. TELEPHONE	AERIAL 30" MTP	
V1091	68TH AVE. & K. G. HWY.	B.C. TELEPHONE	B.C. TELE. 6" TP	02/18/80
V1092	120B AVE. W. OF 214 ST.	B.C. TELEPHONE	B.C. TELE. 300M MTP	02/18/80
V1105.666.1	LOUGHEED HWY. CEDAR	B.C. TELEPHONE	TEL DUCT 8" TP	04/09/80
V1118.1.38	85A AVE E OF 150 ST.	B.C. TELEPHONE	100 MM PUC DUCT 18 MTP	
V1119.1.38	NEW RD. N OF 84 AVE & E OF 150 ST.	B.C. TELEPHONE	2-75 MM PUC DUCTS 18"	
V1129.1.5	DUNCAN W OF ROSS	B.C. TELEPHONE	AERIAL 42"	
V1130.1.5	DUNCAN W OF ROSS	B.C. TELEPHONE	AERIAL 30"	
V1183.1.103	COMO LK & GREENE	B.C. TELEPHONE	75 MM DUCT	07/16/80
V1193.1.79	MARINER WAY E OF COMO	B.C. TELEPHONE	2-75 MM DUCTS 20" 585	09/05/80
V1204.1.99	KINGSWAY & MARY HILL BY SEE V1164 TO 70 FOR DISP. HWYS WORK	B.C. TELEPHONE	75 MM PVC 12"	
V1209.1.8	242 ST N OF 51 AVE	B.C. TELEPHONE	AERIAL XING 30"	
V1210.1.8	242 ST N OF 51 AVE	B.C. TELEPHONE	AERIAL XING 42"	
V1211.1.8A	56 AVE W OF 239 ST	B.C. TELEPHONE	AERIAL XING 42"	
V1212.1.8	240 ST. S OF 52 AVE	B.C. TELEPHONE	AERIAL XING 30"	
V1213.1.8	240 ST. S OF 52 AVE	B.C. TELEPHONE	AERIAL XING 42"	
V1214.1.8	241 ST N OF 51 AVE	B.C. TELEPHONE	AERIAL XING 30"	
V1215.1.8	241 ST N OF 51 AVE	B.C. TELEPHONE	AERIAL XING 42"	
V1216.1.8	232 ST S OF 56 AVE	B.C. TELEPHONE	AERIAL XING 18"	
V1217.1.8A	56 AVE E OF 232 ST	B.C. TELEPHONE	AERIAL XING 12" MTP	
V1218.1.8A	56 AVE E OF 232 ST	B.C. TELEPHONE	AERIAL XING 30"	
V1219.1.8	236 ST S OF 53A AVE	B.C. TELEPHONE	AERIAL XING 30"	
V1220.1.8	WAGON WHEEL CR E OF CLOV	B.C. TELEPHONE	AERIAL XING 30"	
V1221.1.8	WAGON WHEEL CR S OF CLOV	B.C. TELEPHONE	AERIAL XING 30"	
V1222.1.8	CLOVER MEADOW CR E OF 232	B.C. TELEPHONE	AERIAL XING 30"	
V1251.1.25	152 ST S OF 96 AVE	B.C. TELEPHONE	B.C. TEL U/G 30"	09/11/80
V1256.1.19	195 ST S OF 96 AVE	B.C. TELEPHONE	O/H TEL 30"	
V1258.1.8	248 ST E 48 AVE	B.C. TELEPHONE	AERIAL 30"	
V1259.1.8	248 ST E 48 AVE	B.C. TELEPHONE	AERIAL 42"	
V1260.1.8	50 AVE W OF 248A ST	B.C. TELEPHONE	AERIAL 30"	
V1261.1.8	50 AVE W OF 248A ST	B.C. TELEPHONE	AERIAL 42"	
V1262.1.8	244 ST N OF 50 AVE	B.C. TELEPHONE	AERIAL 30"	
V1263.1.8	244 ST N OF 50 AVE	B.C. TELEPHONE	AERIAL 42"	
V1264.1.8	248A ST S OF 50 AVE	B.C. TELEPHONE	AERIAL 30"	
V1265.1.8	248A ST S OF 50 AVE	B.C. TELEPHONE	AERIAL 42"	
V1266.1.8	248 ST E OF 48 AVE	B.C. TELEPHONE	AERIAL 30"	
V1267.1.8	248 ST E OF 48 AVE	B.C. TELEPHONE	AERIAL 42"	
V1274.1.19	198 ST S OF 96 AVE	B.C. TELEPHONE	O/H TEL 30"	
V1296.1.30	200 ST S OF 68 AVE	B.C. TELEPHONE	AERIAL 18"	

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V1297.1.30	66 AVE E OF 203 ST	B.C. TELEPHONE	AERIAL 18"	
V1302	20 AVE & 152 ST	B.C. TELEPHONE	U/G 8"	
V1327.1.88	LANE E OF 227 ST	B.C. TELEPHONE	75 MM D B 12"	12/31/80
V1330.1.25	151A ST S OF 95A AVE	B.C. TELEPHONE	U/G DUCTS 30"	10/30/80
V1351	24 AVE & 152 ST	B.C. TELEPHONE	U.G. 8"	02/04/82
V1352	24 AVE & 152 ST	B.C. TELEPHONE	U.G. 8"	02/04/82
V1353	25 AVE & 150 ST	B.C. TELEPHONE	U.G. 8"	02/04/82
V1387.1.47	CURRIE DR W OF 143A	B.C. TELEPHONE	U/G 24"	
V1405	GLADWIN & MCLURE	B.C. TELEPHONE	U/G 6"	
V1470	GLADWIN & SAANICH	B.C. TELEPHONE	U/G DUCTS 6"	
V1471.1.17	212B S OF 95A AVE	B.C. TELEPHONE	U/G DUCTS 30"	04/02/81
V1473.1.25	148 ST S OF 96 AVE	B.C. TELEPHONE	U/G	
V1494.1.76	TAPPEN AVE	B.C. TELEPHONE	U/G 20"	
V1510	GLADWIN & OKANAGAN	B.C. TELEPHONE	U/G 6"	
V1516.1.17	TRANMER & MCDONALD	B.C. TELEPHONE	CURBS 30"	10/03/83
V1517	TRANMER & MCDONALD	B.C. TELEPHONE	U/G DUCTS 4"	
V1612.1.101	TYNER & WILLSON	B.C. TELEPHONE	U/G 12"	01/06/82
V1631.1.103	COMO LAKE & SHARPE	B.C. TELEPHONE	U/G 12"	
V1639.1.99	KINGSWAY	B.C. TELEPHONE	OH 12"	12/15/81
V1640.1.99	KINGSWAY	B.C. TELEPHONE	OH 12"	12/15/81
V1678	148 ST. & 24 AVE	B.C. TELEPHONE	U/G TP	
V1694.1.31	68TH & 197B	B.C. TELEPHONE	B. C. TEL 18	
V1703.1.103	COMO LAKE & SHARPE	B.C. TELEPHONE	U/G 12"	02/11/82
V1713	GLADWIN & FRASER WAY	B.C. TELEPHONE	U/G 6 TP	04/06/82
V1714	GLADWIN & OLD RIVERSIDE	B.C. TELEPHONE	U/G 6 TP	04/07/82
V1722.1.77	CAPE HORN & MATHEWSON	B.C. TELEPHONE	B. C. TEL U/G 30"	03/24/82
V1723.1.31	68TH AVE W OF 200 ST	B.C. TELEPHONE	U/G 18"	03/16/82
V1738	152 & 64	B.C. TELEPHONE	U/G TP	05/17/82
V1739	152 & 72	B.C. TELEPHONE	U/G TP	05/17/82
V1751.1.56	120TH & 86 AVE	B.C. TELEPHONE	DUCTS	03/15/82
V1761.1.18	200 S OF 96TH AVE	B.C. TELEPHONE	U/G	06/02/82
V1764	PAGE & RIVERSIDE	B.C. TELEPHONE	UNDERGROUND	10/28/82
V1765.1.39	148TH ST & 87A AVE	B.C. TELEPHONE	O/H	
V1767	GLADWIN & OLD RIVERSIDE	B.C. TELEPHONE	STORM DRAIN	04/06/82
V1824.1.103	MARPOLE & WILSON	B.C. TELEPHONE	DUCT 12 MTP	08/25/82
V1827	GLADWIN & HAYWOOD	B.C. TELEPHONE	U/G TP	
V1829	32 AVE & 272 ST	B.C. TELEPHONE	U/G 6 TP	06/22/82
V1842	72 ST & 32 AVE	B.C. TELEPHONE	U/G TP	10/27/82
V1851	72 AVE & AIRPORT	B.C. TELEPHONE	U/G TP	10/27/82
V1852	72 AVE & AIRPORT	B.C. TELEPHONE	U/G TP	10/27/82
V1853	72 AVE & AIRPORT	B.C. TELEPHONE	U/G TP	10/29/82
V1854	72 AVE & AIRPORT	B.C. TELEPHONE	CULVERT TP	10/27/82
V1877	24 AVE E OF 152 ST	B.C. TELEPHONE	AERIAL	
V1878-1-77	CAPE HORN INTERCHANGE	B.C. TELEPHONE	U/G DUCTS	10/26/82
V1892	72 ST & AIRPORT	B.C. TELEPHONE	U/G TP	10/27/82
V1935-1-77	HICKEY ST & DARTMOOR DR. COQ.	B.C. TELEPHONE	3-75 MM TEL DUCTS	03/25/83
V1944-1-103	WESTWOOD & COMO LAKE RD. COQ.	B.C. TELEPHONE	UNDERGROUND DUCT	

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V1974-1-91	21707 DEWDNEY TRUNK RD.	B.C. TELEPHONE	UNDERGROUND DUCTS	06/02/83
V1995-1-77	MATHEWSON AVE.	B.C. TELEPHONE	100MM DUCTS	04/22/83
V1996-1-77	MATHEWSON AVE.	B.C. TELEPHONE	100MM SDR 28 DRAIN	04/22/83
V2033-1-17	209A STR. S. OF 96A AVE, LANGLEY	B.C. TELEPHONE	75MM DUCTS	10/13/83
V2040	240 ST & LOUGHEED	B.C. TELEPHONE	B.C. TEL U/G	09/28/83
V2041	240 ST & LOUGHEED	B.C. TELEPHONE	B.C. TEL U/G	10/30/83
V2074-1-68	BENSON RD. (LANDFILL)	B.C. TELEPHONE	DUCT (V2057-X-REF)	02/23/84
V2094	208 & FRASER HWY, LANGLEY	B.C. TELEPHONE	DUCTS	02/29/84
V2896	E. OF 146 & W. OF 148 S. OF 88TH	B.C. TELEPHONE	U.G. CONST	
V2899	208 ST NTH OF 44 AVE. LANGLEY	B.C. TELEPHONE	DUCTS	03/23/84
V2905-1-69	HOPCOTT RD. W OF CNR R/W	B.C. TELEPHONE	AERIAL XING 6"	05/15/87
V2906-1-69	HOPCOTT RD. W OF CNR R/W	B.C. TELEPHONE	AERIAL XING 12"	05/15/87
V2934-1-39A	87A AVE. W OF 148 ST.	B.C. TELEPHONE	U/G DUCTS	04/28/87
V2946-1-94	202 ST. N. OF DEWDNEY TR.	B.C. TELEPHONE	U/G DUCT	06/11/84
V2957	W. OF GLADWIN RD. S. OF MCLURE	B.C. TELEPHONE	U/G DUCT	08/09/84
V2960-1-69	RIVER ROAD @ 76 ST	B.C. TELEPHONE	TELEPHONE DUCT U/G	10/02/84
V2961-1-69	RIVER ROAD @ 76 ST	B.C. TELEPHONE	TELEPHONE DUCT U/G	10/02/84
V2962-1-66	76 ST @ CNR X-ING	B.C. TELEPHONE	TELEPHONE DUCT U/G	10/02/84
V3014-1-2	VYE RD. ABBOTSFORD	B.C. TELEPHONE	O/H CROSSING 30"	03/26/87
V3015-1-2	VYE RD. ABBOTSFORD	B.C. TELEPHONE	O/H CROSSING 42"	03/26/87
V3034	72 ST NTH OF LADNER TRK	B.C. TELEPHONE	CABLE XING	02/21/85
V3065-1-6	BRADNER RD. S OF MACLURE	B.C. TELEPHONE	OH ELEC. 30"	03/26/87
V3066-1-6	BRADNER RD. S OF MACLURE	B.C. TELEPHONE	OH ELEC. 42"	03/26/87
V3084	PEARSONVILLE RD & EMERSON	B.C. TELEPHONE	DUCT	05/14/85
V3173-1-62	RIVER RD CONNECTOR ANNACIS HWY W/O NORDEL	B.C. TELEPHONE	U/G DUCT	01/16/86
V3174-1-62	RIVER RD. CONNECTOR W/O NORDEL ANNACIS HWY	B.C. TELEPHONE	U/G DUCT	01/16/86
V3191-1-35	167A, S OF 80 AVE	B.C. TELEPHONE	U/G DUCT	08/15/85
V3292-1-18	208 ST, S OF 96 AVE.	B.C. TELEPHONE	O/H AERIAL	05/01/86
V3302	DAHLSTROM AVE W/O GLADWIN	B.C. TELEPHONE	U.G. DUCT.	
V3319	DAHLSTROM AVE W/O GLADWIN	B.C. TELEPHONE	U/G DUCT	
V3325-1-87	HARRISON RD MAPLE RIDGE	B.C. TELEPHONE	U/G DUCT.	01/05/88
V3335-1-79	DEWDNEY TRUNK RD. COQ.	B.C. TELEPHONE	U/G DUCT	10/30/86
V3349-1-8	238 STREET.	B.C. TELEPHONE	O/H.	01/04/88
V3385	152 ST @ 68 AVE SURREY	B.C. TELEPHONE	TEL DUCTS.	
V3400-1-101	1855 KINGSWAY	B.C. TELEPHONE	O/H.	01/06/88
V3408-1-94	E OF 207 ST "RD. A" N OF DEWDNEY TRUNK	B.C. TELEPHONE	U/G DUCT.	01/13/87
V3417-1-94	207 & DEWDNEY TR. RD C.	B.C. TELEPHONE	U/G DUCTS.	
V3418-1-38	808 AVE E OF 150 ST.	B.C. TELEPHONE	U/G CONST	02/11/87
V3419-1-38	80A AVE E/O 150 ST	B.C. TELEPHONE	U/G CONST	02/11/87
V3486-1-20	192 ST. S OF 96 AVE	B.C. TELEPHONE	O/H CABLE.	
V3495-1-36	163 ST S OF 79 AVE	B.C. TELEPHONE	BC TEL U/C	07/09/87
V3505-1-36	163 ST. S OF 79 AVE.	B.C. TELEPHONE	U/G DUCTS.	07/13/87

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V3509	64 AVE & 152 ST	B.C. TELEPHONE	BC TEL DUCT.	10/ /87
V3515-1-87	BURNETT & FISHER	B.C. TELEPHONE	DUCT WORK	
V3516-1-94	120B AVE - 2068	B.C. TELEPHONE	DUCT WORK	
V3522-1-40	140A, SOUTH OF 88 AVE SURREY	B.C. TELEPHONE	DUCTS	09/09/87
V3539-1-40	140 ST, S OF 88 AVE	B.C. TELEPHONE	U/G DUCTS.	
V3551-1-42	131 ST, S OF 98 AVE	B.C. TELEPHONE	U/G DUCT	
V3556-1-55	126 ST @ 89 AVE SURREY	B.C. TELEPHONE	BCT DUCT	
V3595	272 ST S OF 29 AVE	B.C. TELEPHONE	BC TEL (STATION 0491)	06/02/88
V3618-1-23	96 AVE 164 ST	B.C. TELEPHONE	DUCTS (2)	06/06/88
V3654-1-36	164 ST W OF 78 AVE	B.C. TELEPHONE	DUCTS	
V3655-1-52	138A ST N/O 93A AVE	B.C. TELEPHONE	DUCTS	
V3656	264 ST 72 AVE	B.C. TELEPHONE	DUCTS	
V3600	272 ST S OF 29 AVE	B.C. TELEPHONE (STATION 1449)	B.C. TEL (SEE PERM ST V3595)	06/02/88
V3601	272 ST S OF 29 AVE	B.C. TELEPHONE (STATION 1450)	B.C. TEL (SEE PERM ST V3595)	06/02/88
V 291-1-64 65	(B) S. OF RIVER, W. FROM TASKER	B.C.D.C.	LAND FILL	11/18/75
V 710-1-69	7400 BLK. RIVER ROAD	B.C.D.C.	DREDGE PIPE	
V 711-1-69	7400 BLK. RIVER ROAD	B.C.D.C.		
V1433.1.69	RIVER RD W OF 76	B.C.D.C.	TEMP EQPT XING 6"	03/13/81
V1448.7.89	RIVER RD & 72 ST	B.C.D.C.	FILL 6"	06/23/81
V1449.1.89	RIVER RD & 72 ST	B.C.D.C.	FILL 12"	06/23/81
V1037-1-66	76 ST. @ RIVER ROAD - 6"	B.C.D.C. C/O APLIN & MARTIN	STREET LIGHTING	
V1038-1-66	76 ST. @ RIVER ROAD - 12"	B.C.D.C. C/O APLIN & MARTIN	STREET LIGHTING	
V1039-1-66	VANTAGE WAY & 76 ST -12"	B.C.D.C. C/O APLIN & MARTIN	STREET LIGHTING	
V1040-1-66	PROGRESS WAY & 76 ST-12"	B.C.D.C. C/O APLIN & MARTIN	STREET LIGHTING	
V1041-1-65	TASKER & VANTAGE WAY - 24"	B.C.D.C. C/O APLIN & MARTIN	STREET LIGHTING	
V1042-1-65	VANTAGE PLACE & VANTAGE WAY	B.C.D.C. C/O APLIN & MARTIN	STREET LIGHTING	
V1043-1-65	VANTAGE WAY - 1000' E OF 76	B.C.D.C. C/O APLIN & MARTIN	STREET LIGHTING	
V 583	BRAID STREET SOUTH OF T.C. HWY.	B.C.HYDRO ELECTRICAL		
V 230-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		B) STORM	05/16/
V 230-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		A) ROAD	12/11/75
V 230-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		D) WATER	06/20/
V 230-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		C) SANITARY	05/02/
V 231-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		D) WATER	
V 231-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		C) SANITARY	05/20/
V 231-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		B) STORM	05/20/
V 231-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		A) ROAD	
V 232	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		STREET LIGHTING	06/ /75

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V 233-1-93	WICKLUND AVE & LAITY ST. MAPLE BACCHUS CONST. RIDGE		A-D (ROAD, STORM, SANITARY & ST LIGHTING	12/ /74
V 17-1-79	R/W N. OF CONO LAKE RD.	BACH LIMITED	ROAD	06/21/72
V 124-1-79	HAWSER AVE. COQUITLAN	BACH LIMITED	B) 8" STORM	07/19/74
V 124-1-79	HAWSER AVE. COQUITLAN	BACH LIMITED	A) ROAD	07/09/74
V 124-1-79	HAWSER AVE. COQUITLAN	BACH LIMITED	C) 8" SANITARY SEWER	07/19/74
V 161-1-79	HAWSER AVE. W. OF MARINER WAY	BACH LIMITED	U/G CABEL	07/16/74
V 397-1-80	EAGLE RIDGE DEV. R/W N. OF BARNET	BACH LIMITED	D) STORM SEWER	
V 397-1-80	EAGLE RIDGE DEV. R/W N. OF BARNET	BACH LIMITED	C) S/W	
V 397-1-80	EAGLE RIDGE DEV. R/W N. OF BARNET	BACH LIMITED	B) CURB	
V 397-1-80	EAGLE RIDGE DEV. R/W N. OF BARNET	BACH LIMITED	A) RD	
V 492-1-80	EAGLE RIDGE DEV., COQUITLAN	BACH LIMITED	15" STORM SEWER E-WATERIAL	08/23/77
V 493-1-80	EAGLE RIDGE DEV., COQUITLAN	BACH LIMITED	LIGHT DUCT SERV. RD. S. SIDE	09/07/77
V 494-1-80	EAGLE RIDGE DEVELOPMENT, COQUITLAN	BACH LIMITED	LIGHT DUCT AND B.C. TEL SERV. RD. N. SID	09/07/77
V 495-1-80	EAGLE RIDGE DEVELOPMENT, COQUITLAN	BACH LIMITED	LIGHT DUCT E-WATERIAL S. SIDE	
V 496-1-80	EAGLE RIDGE DEVELOPMENT, COQUITLAN	BACH LIMITED	LIGHT DUCT AND B.C. TEL SERV. RD. N. SID	09/07/77
V 438-1-80	200' NORTH OF BARNET HIGHWAY, COQUITLAN	BACH LIMITED (H. FRIESEN)	ROAD	
V 439-1-80	200' NORTH OF BARNET HIGHWAY, COQUITLAN	BACH LIMITED (H. FRIESEN)	CURB	
V 440-1-80	200' NORTH OF BARNET HIGHWAY, COQUITLAN	BACH LIMITED (H. FRIESEN)	SIDEWALK	
V 441-1-80	200' NORTH OF BARNET HIGHWAY, COQUITLAN	BACH LIMITED (H. FRIESEN)	STORM SEWER	06/03/77
V 442-1-80	200' NORTH OF BARNET HIGHWAY, COQUITLAN	BACH LIMITED (H. FRIESEN)	SANITARY SEWER	06/03/77
V 443-1-80	200' NORTH OF BARNET HIGHWAY, COQUITLAN	BACH LIMITED (H. FRIESEN)	WATER MAIN	06/13/77
V 248-1-39	W. OF 152 ST. S. OF 88 AVE	BAXTER & RANNALA	(A-F) SUBDIVISION DEVELOPMENT	
V 249-1-39	W. OF 152 ST. S. OF 88 AVE	BAXTER & RANNALA	(A-D) RD., CURBS, SIDEWALK, WATER MAIN	
V 264-1-38 39	W. OF 152 ST., S. OF 88 AVE.	BAXTER & RANNALA	ROAD AND SIDEWALK	
V 286	85A AVE E. OF 118 ST.	BAXTER & RANNALA		
V1547.1.5	FRASER HWY E OF BRADNER	BCI	BCT DUCTS 30"	11/24/81
V1548.1.5	FRASER HWY E OF BRADNER	BCI	BCT DUCTS 42"	11/24/81
V3296-1-19	9494-198 ST.	BCM MANUFACTURING	TEMP XING.	06/01/88
V1409.1.76	UNITED BLVD	BEEDIE CONSTRUCTION	STORM SEWER 20"	
V1410.1.76	UNITED BLVD	BEEDIE CONSTRUCTION	PARKING LOT 20"	
V3366-1-81	DAVID PATHAN WAY	BEL CONSTRUCTION	TEMP EQUIP XING.	09/12/86
V3634-1-81	DAVID PATHAN HWY, COQ	BEL CONSTRUCTION	TEMP STORM DITCH	

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V 2	LOT 23 - D.L. 275 OFF FISHERMAN'S RD. S. OF RIVER RD.	BELL POLE CO.	DRIVEWAY INSTALLATION	04/04/73
V 240-1-86	23562 RIVER RD., MAPLE RIDGE	BELL POLE CO.	WASTE BLOWER PIPE	
V 413-1-85	23562 RIVER RD.	BELL POLE CO.	ROAD CONSTRUCTION	
V 687-1-41	91A AVE E. OF PRINCE CHARLES	BERLIN ENGINEERING	SIDEWALK	05/09/79
V 688-1-41	91A AVE E. OF PRINCE CHARLES	BERLIN ENGINEERING	6" WATER	03/19/79
V 689-1-41	91A AVE E. OF PRINCE CHARLES	BERLIN ENGINEERING	ROAD	05/15/79
V 690-1-41	91A AVE E. OF PRINCE CHARLES	BERLIN ENGINEERING	CURBS & GUTTERS	05/10/79
V 691-1-41	91A AVE E. OF PRINCE CHARLES	BERLIN ENGINEERING	4" DRAIN	
V1388.1.65	S. VANTAGE W 80 ST	BOBELL	TEMP ROAD 24"	01/07/81
V3562-1-32	19027 - 72 AVE	BODNARCHUK	DRAINAGE DITCH	05/02/86
V3322-1-2	1027 MCKENZIE RD.	BOHACHEWSKI, J	GRADING. 30"	
V3323-1-2	1027 MCKENZIE RD.	BOHACHEWSKI, J	GRADING. 42"	
V1149.1.25	RD. A (149ST) OF 96 AVE	BONTKES HLDGS C/O R.W. TRIFFO	WALKWAY	01/13/81
V1150.1.25	RD. A (149ST) OF 96 AVE	BONTKES HLDGS C/O R.W. TRIFFO	STORM SEWER	09/30/80
V1151.1.25	RD. A (149ST) OF 96 AVE	BONTKES HLDGS C/O R.W. TRIFFO	SAN SEWER	09/30/80
V3154-1-8	238 & 52 AVE LANGLEY	BORN, R	DRIVEWAY	08/ /85
V3179-1-8	5261-238 ST LANGLEY	BORN, R	WATER LINE	08/29/85
V1572.1.11	232 ST & 76 AVE	BRAICH, S	DITCH 30"	04/27/82
V1573.1.11	232 ST & 76 AVE	BRAICH, S	DITCH 12"	04/27/82
V 936-1-8A	237A ST. W OF 56 AVE. LANG	BROWN RD. SYND C/O THOMSON, JENSON & CO.	RD. CONST. OVER 42"	
V 897-1-42	13081-98 AVENUE, SURREY	BRUNS, W	4" PL. SEWER 18"NTP(585)	05/16/79
V1128.1.43	13081-98TH AVE	BRUNS, W	10" STORM CUL. 12" NTP	
V 592-1-31	70 AVE. E. 192	BUCKLEY & GRAHAM LTD.	CURB	
V1184.1.31	19365 - 70TH AVE.	BUCKLEY & GRAHAM LTD.	6" DRAIN PIPE	08/05/80
V3327-1-79	VAC BARNET GATE	BUNID DEVELOPMENT	PAVED PKG LOT	09/12/86
V3328-1-79	VAC BARNET GATE	BUNID DEVELOPMENT	6" STM	06/25/86
V3329-1-79	VAC BARNET GATE	BUNID DEVELOPMENT	2" ST LTG	09/12/86
V1783.1.76	2265 CAPE HORN RD	BURNABY IRRIGATION LTD.	IRRIGATION PIPING 20"	04/23/82
V1784.1.76	2265 CAPE HORN RD	BURNABY IRRIGATION LTD.	IRRIGATION PIPING 20"	04/23/82
V 89-1-79	DENDNEY TRUNK RD., PT. COQ	BURNETT RESOURCE SURVEYS LTD.	STORM SEWER	11/21/72
V 144-1-43	127 ST. S. OF 100 AVE	BURNETT RESOURCE SURVEYS LTD.	SANITARY SEWER	08/13/74
V 145-1-43	127A ST. S. OF 100 AVE	BURNETT RESOURCE SURVEYS LTD.	C) STORM SEWER	08/07/74
V 145-1-43	127A ST. S. OF 100 AVE	BURNETT RESOURCE SURVEYS LTD.	B) SANITARY SEWER	08/07/74
V 145-1-43	127A ST. S. OF 100 AVE	BURNETT RESOURCE SURVEYS LTD.	A) ROAD	08/07/74
V 163-1-43	127A ST. S. OF 100 AVE	BURNETT RESOURCE SURVEYS LTD.	6" WATER	09/18/74
V 421-1-57	84 AVE. 116 ST.	BURNETT RESOURCE SURVEYS LTD.		
V 422-1-57	A-C 84 AVE. 116 ST.	BURNETT RESOURCE SURVEYS LTD.	(A-C) 6" DRAIN, FENCE, STREET LIGHTING	
V1438.1.59	8594 BROOKE RD.	BURNIP, G	DRIVEWAY 24"	
V 424-1-63	96 ST (SUNBURY) & 24" NTP	BURNS BOG		09/04/77
V 425-1-62	N. 100 ST. (EASEMENT) & 24" NTP	BURNS BOG		09/21/77
V 417-1-25	148 ST N. OF 95 AVE	CAMERON SURVEY & ENG.	SIDEWALK	
V 721	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	ROAD CROSSING	05/08/79

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V 722	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC STORM	04/30/79
V 723	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC STORM	04/30/79
V 724	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC STORM	04/30/79
V 725	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC STORM	04/30/79
V 726	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC STORM	05/01/79
V 727	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC STORM	05/01/79
V 728	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC SANITARY	05/02/79
V 729	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC SANITARY	05/03/79
V 730	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC SANITARY	05/07/79
V 731	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	4" PVC SANITARY	05/07/79
V 732	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	3/4" WATER	04/25/79
V 733	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	3/4" WATER	04/25/79
V 734	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	3/4" WATER	04/25/79
V 735	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	3/4" WATER	04/25/79
V 736	51 ST. SOUTH OF 11A AVE.	CAMERON SURVEY & ENG.	6" AC FIRE HYDRANT	05/03/79
V 843-1-47	115 AVE W. OF BEDFORD CR.	CAMERON SURVEY & ENG.	ROAD RECONSTRUCTION	
V 908	144 ST & 24 AVE. SURREY	CAMERON SURVEY & ENG. FOR RIAN DEV.LTD	ROAD CONSTRUCTION	09/25/79
V 909	144 ST & 24 AVE. SURREY	CAMERON SURVEY & ENG. FOR RIAN DEV.LTD	CATCH BASIN	09/25/79
V1506.1.94	12111 - 203 ST	CARDINELL, W	PAVING 12"	06/09/81
V1164.1.99	MARY HILL BYPASS & FRONT	CBA ENGINEERING	ROAD & CURB	
V1165.1.99	MARY HILL BYPASS & FRONT	CBA ENGINEERING	24" CORRUGATED ST CUL	
V1166.1.99	MARY HILL BYPASS & FRONT	CBA ENGINEERING	DRAINAGE DITCH	
V1167.1.99	MARY HILL BYPASS & TRENT	CBA ENGINEERING	FENCE EAST SIDE	
V1168.1.99	MARY HILL BYPASS & TRENT	CBA ENGINEERING	DRAINAGE DITCH	
V1169.1.99	MARY HILL BYPASS & TRENT	CBA ENGINEERING	ROAD & CURBS	
V1170.1.99	MARY HILL BYPASS & TRENT	CBA ENGINEERING	6" FORCE MAIN	06/27/80
V1310.1.25	150 ST S OF 95 AVE	CBA ENGINEERING	SIDEWALK & CURBS 30"	09/26/80
V1311.1.25	150 ST. S OF 95A AVE	CBA ENGINEERING	ROADWORK 30"	09/24/80
V1312.1.25	151 A ST S OF 95A AVE	CBA ENGINEERING	SIDEWALK & CURB 30"	09/23/80
V1313.1.25	151 A ST S OF 95A AVE	CBA ENGINEERING	ROADWORK 30"	09/02/80
V 501-1-88	SELKIRK AVE. E. OF 227 ST.	CECIL ROBERTS	UNDERGROUND ELECTRIC	07/20/77
V 394	RIVERSIDE N. OF VYE	CENTRAL F.V. REG. DISTRICT	SEWER	11/18/
V1026-910-C-2	GLADWIN S OF DOWNES	CENTRAL VALLEY ENGINEERING	ROADWORK	11/30/79
V1027-910-C-2	GLADWIN S OF DOWNES	CENTRAL VALLEY ENGINEERING	WATERMAIN	10/18/
V1028-910-C-2	GLADWIN S OF DOWNES	CENTRAL VALLEY ENGINEERING	SAN SEWER	10/18/
V1246	GLADWIN & NELSON	CENTRAL VALLEY ENGINEERING	WATERMAIN 12" TP	09/10/80
V1247	GLADWIN N OF NELSON	CENTRAL VALLEY ENGINEERING	WATERMAIN 12" TP	09/10/80
V1365	GLADWIN R N OF MCLURE	CENTRAL VALLEY ENGINEERING	WATER MAIN	12/18/80
V1366	GLADWIN R N OF MCLURE	CENTRAL VALLEY ENGINEERING	ROADWORK	12/18/80
V3532-1-56	8564-123 ST SURREY	CHANA, T	8" PVC STORM SEWER	
V3222-1-8	71 WAGON WHEEL CRES.	CHICK, MR.	PAVEMENT	03/26/87
V3652	YALE RD AT CNR CROSSING	CHILLIWACK DISTRICT	RD WORK	
V 466-1-27	5500 BLK. 232 ST.	CHOW, DAVID	ROAD	
V 467-1-27	5500 BLK. 232 ST.	CHOW, DAVID	ELECTRICAL SERVICE	
V 291	(A) DEWDNEY TRK & R/W H.R.	CHRISTIAN REFORM CHURCH	PARKING LOT	11/18/75

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V3139-1-102	BURY STREET & WILSON AVE	CICUTO & SONS	200MM STORM - 12"	08/01/85
V1970-1-3	HWY #1 CLEARBROOK INTERCHANGE	CLEARBROOK	15" CON. STORM SEWER	
V1971-1-3	HWY #1 CLEARBROOK INTERCHANGE	CLEARBROOK	15" CON. STORM SEWER	
V 771-1-44	SCOTT RD. S. OF OLD YALE	CMC ENGINEERING	SANITARY SEWER	11/16/78
V 772-1-44	SCOTT RD. S. OF OLD YALE SOUTH SIDE	CMC ENGINEERING	SANITARY SEWER	11/16/78
V 773-1-44	SCOTT RD. S. OF OLD YALE SOUTH SIDE	CMC ENGINEERING	SANITARY SEWER	11/16/78
V 774-1-44	SCOTT RD. S. OF OLD YALE NORTH SIDE	CMC ENGINEERING	SANITARY SEWER	10/24/78
V 775-1-44	SCOTT RD. S. OF OLD YALE NORTH SIDE	CMC ENGINEERING	SANITARY SEWER	10/24/78
V 776-1-44	SCOTT RD. S. OF OLD YALE	CMC ENGINEERING	WATER	10/24/78
V 47-1-89	S. OF 123 AVE - W. OF 227 ST.	CME CONSTRUCTION LTD	6" WATER LINE	02/07/72
V 352-1-84	FT. LANGLEY-RWY TRACKS & R/W	CN TELECOMMUNICATIONS		05/06/76
V 353-1-84	FT. LANGLEY STATION	CN TELECOMMUNICATIONS		05/06/76
V 354-1-12 13	GLOVER W. OF RAWLINSON	CN TELECOMMUNICATIONS		05/06/76
V 355	GLOVER W. OF LANGLEY BYPASS	CN TELECOMMUNICATIONS		05/07/76
V 779-1-19	W. OF 198 ST.	CNR	TRACK CROSSING	
V2045-1-84	CNR TRACKS FT. LANGLEY	CNR	SIGNAL CABLE	03/01/84
V3012-1-84	FORT LANGLEY	CNR	CASING EXTENTION	03/26/87
V3167-1-46	N OF 116A, W OF 144 ST	CNR	TEMP DITCH & CULVERT	06/18/85
V 659-1-65	RD. A AT TASKER RD.	CNR C/O APLIN & MARTIN	RAILWAY CROSSING	
V 914-1-19	198 ST. & 96 AVE. LANGLEY	CNR C/O DOMINION CONST.	SINGLE RAIL TRACK-30" NTP	
V1342.1.53	92 AVE E OF K.G. HWY	COASTLAND ENGINEERING	SAN SEWER 24"	12/01/80
V1371.1.24	152A S OF 96TH	COASTLAND ENGINEERING	WALKWAY	03/24/
V1372.1.24	153A S OF 96TH	COASTLAND ENGINEERING	WALKWAY	03/24/81
V1373.1.24	153A S OF 96TH	COASTLAND ENGINEERING	ST. SEWER	02/10/81
V1418.1.25	148 ST & 96 AVE	COASTLAND ENGINEERING	STORM SEWER	04/16/81
V1419.1.25	148 ST & 96 AVE	COASTLAND ENGINEERING	STORM SEWER	04/15/81
V1420.1.25	148 ST & 96 AVE	COASTLAND ENGINEERING	SAN SEWER	04/16/81
V1421.1.25	148 ST & 96 AVE	COASTLAND ENGINEERING	ROAD XING	04/14/81
V1422.1.25	148 ST & 96 AVE	COASTLAND ENGINEERING	ST LIGHTING	06/ /81
V1435.1.25	148 ST & 96 AVE	COASTLAND ENGINEERING	CONCRETE SIDEWALK	
V1436.1.25	148 ST & 96 AVE	COASTLAND ENGINEERING	CONCRETE CURBS	
V1456.1.24	158 ST & 96 AVE	COASTLAND ENGINEERING	STORM SEWER 30"	06/22/81
V1457.1.24	158 ST & 96 AVE	COASTLAND ENGINEERING	STORM SEWER 30"	06/17/81
V1458.1.24	158 ST & 96 AVE	COASTLAND ENGINEERING	WALKWAY 30"	06/17/81
V1459.1.24	158 ST & 96 AVE	COASTLAND ENGINEERING	SWALE 30"	06/17/81
V1469.1.24	158 ST & 96 AVE	COASTLAND ENGINEERING	FILL 30"	06/29/81
V2959-1-36	S. OF 80 AVE	COASTLAND ENGINEERING	200MM H2O	08/14/
	E OF 164 ST SUR			
V3070-1-20	18688 - 96 AVE.	COASTLAND ENGINEERING	CULVERT 30 NTP	
V3245-1-24	SOUTH OF 96 AVE, EAST OF 158	COASTLAND ENGINEERING	SANITARY SEWER	02/06/86
V3304-1-36	S OF 80 AVE, W OF	COASTLAND ENGINEERING	SANITARY 18"	07/15/86
V3305-1-36	164 STREET	COASTLAND ENGINEERING	STORM 18"	07/15/86
V3346-1-36	163 ST. S OF 80 AVE.	COASTLAND ENGINEERING	ROAD	09/12/86

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V3635-1-36	164 ST S OF 80 AVE	COASTLAND ENGINEERING	ROAD	06/27/89
V3636-1-36	164 ST S OF 80 AVE	COASTLAND ENGINEERING	200MM SANITARY	06/27/88
V3637-1-36	164 ST S OF 80 AVE	COASTLAND ENGINEERING	250MM STORM	06/27/88
V3162-1-20	18750-96 AVE	COCKERILL'S CONTR.	DRAINAGE DITCH	05/31/85
V3394-1-59	BROOKE RD 8400 BLK	COLUMBIA BITULITHIC	24 M&P SIDEWALK	01/06/82
V3395-1-56	BROOKE RD 8500 BLK	COLUMBIA BITULITHIC	X-ING 36MTP SIDEWALK E/S	01/06/85
V3549-1-56A	8704 - 120 ST	COLUMBIA CONCRETE	4 DRIVEWAYS	
V 4	TRATTLE RD. N. OF 88TH AVE	COPPER BEACH HOLDINGS		02/ /71
V1252.1.101	WILSON RD	COQUITLAM	RD RECON 12"	08/18/80
V1704.1.103	COMO LAKE & PASTURE	COQUITLAM	SAN SEWER 12"	
V2077-1-77	CAPE HORN AVE. COQ.	COQUITLAM	ADDITION TO V2013-1-77 & V2014-1-77	
V2077A-1-77	CAPE HORN AVE. COQ.	COQUITLAM	ADDITION TO V2013-1-77 & V2014-1-77	
V 53-1-79	HARBOUR VILLAGE DR. N. OF COMO LAKE	COQUITLAM DISTRICT	12" WATER MAIN	07/25/72
V 104-1-79	DEWDNEY TRUNK RD., - COQ.	COQUITLAM DISTRICT	8" DUCTILE WATER MAIN	04/03/73
V 106-1-106	SURF CR. 425' SOUTH OF SPURAWAY - COQUITLAM	COQUITLAM DISTRICT	8" WATER MAIN	
V 146-1-79	D.T. RD. E. OF SPAR RD.	COQUITLAM DISTRICT	W.L. ON R/W - NO XING	
V 153-1-79	HAWSER AVE. W. OF MARINER WAY	COQUITLAM DISTRICT	8" WATER	03/14/74
V 170-1-104	COMO LAKE & GREENE ROAD	COQUITLAM DISTRICT	50" X 31" PIPE ARCH	07/29/74
V 202	D.T. RD & BOND - COQ.	COQUITLAM DISTRICT	SANITARY SEWER PUMPING STN & FORCE MAIN	
V 211-1-104	LOUGHEED RELOC. & COMO LAKE	COQUITLAM DISTRICT	8" SANITARY	10/21/74
V 437-1-77	BETWN CAPE HORN & MATHEWSON	COQUITLAM DISTRICT	4" SANITARY SEWER	03/31/
V 540-1-103	3002 SPURAWAY	COQUITLAM DISTRICT	DRIVEWAY	10/18/77
V 602	BARNET HWY & GRAHAM, COQ.	COQUITLAM DISTRICT	8" SANITARY SEWER	04/07/78
V 879-1-103	COMO LK AVE & WESTWOOD ST.	COQUITLAM DISTRICT	WATERMAIN OVER 12" MTP	
V 880	COMO LK AVE & WESTWOOD ST.	COQUITLAM DISTRICT	WATERMAIN OVER 12" MTP	
V3016-1-78	N OF AUSTIN, W OF MARINER	COQUITLAM DISTRICT	ROAD CROSSING	04/28/87
V3198-1-103	COMO LK AVE & LOUGHEED HWY	COQUITLAM DISTRICT	WATER PIPELINE 200MM	09/ /85
V3606-1-80	EAGLERIDGE PARK, N OF RUNNEL	COQUITLAM DISTRICT	FILL & DRAINAGE LINES	
V 486-1-103	COMO LAKE & JOHNSON	COQUITLAM DISTRICT C/O TOMASIC	8" WATER ENG	
V 469-1-103	PINNACLE ST., COQUITLAM	COQUITLAM DISTRICT C/O WINVAN	CURB PAVING	05/30/
V 470-1-63	PINNACLE ST., COQUITLAM	COQUITLAM DISTRICT C/O WINVAN	SIDEWALK PAVING	05/30/
V 471-1-103	SURF CRESCENT	COQUITLAM DISTRICT C/O WINVAN	CURB PAVING	05/30/
V 472-1-103	SURF CRESCENT	COQUITLAM DISTRICT C/O WINVAN	SIDEWALK PAVING	05/30/77
V 285-1-79	4200 BLK. DEWDNEY TRUNK RD.	COQUITLAM HIDEAWAY	LEVELLING AND SEEDING	
V3531-1-18	9539 - 208 ST	COTE, G	FILL	
V2909-1-5	29541 SUN VALLEY CRES	COUGLAN, J	DRIVEWAY 30"	
V2910-1-5	29541 SUN VALLEY CRES	COUGLAN, J	DRIVEWAY 42"	

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V2911-1-5	29541 SUN VALLEY CRES	COUGLAN, J	3/4" WATER 30"	04/27/84
V2912-1-5	29541 SUN VALLEY CRES	COUGLAN, J	3/4" WATER 42"	04/27/84
V2913-1-5	29541 SUN VALLEY CRES	COUGLAN, J	U/G ELECTRIC 30"	04/27/84
V2914-1-5	29541 SUN VALLEY CRES	COUGLAN, J	U/G ELECTRIC 42"	04/27/84
V 296-1-79	ELEC/GAS R/W RUNNING S. FROM BARNET HIGHWAY - COQUITLAM	COUPE, J	DRIVEWAY CROSSING ELECT. TRANS.	
V1099	HOPCOTT RD. S. OF CN	COWER, YEUNG	DRIVEWAY 6" NTP	
V1100	HOPCOTT RD. S. OF CN	COWER, YEUNG	DRIVEWAY 12" NTP	
V 921-1-76	S. OF LOUGHEED HWY AND EAST OF MATHENSON, COQUITLAM	CP TELECOMMUNICATIONS	CABLE INSTALLATION	08/30/79
V 922-1-103	LOUGHEED & COMO LAKE, COQ	CP TELECOMMUNICATIONS	CABLE INSTALLATION	08/30/79
V3450-1-8	23935-52 AVE	CPI EQUIPMENT	IRRIGATION 30"	04/10/87
V3451-1-8A	23935-52 AVE	CPI EQUIPMENT	IRRIGATION 42"	04/10/87
V1625.199	1300 KINGSWAY	CPR	CON SLABS 12"	12/23/81
V1626.199	1300 KINGSWAY	CPR	CON SLABS 12"	02/18/82
V1552.1.100	1300 KINGSWAY	CPR TRANS	ACCESS RD 12"	02/08/82
V1553.1.100	1300 KINGSWAY	CPR TRANS	ACCESS RD 12"	02/18/82
V1554.1.100	1300 KINGSWAY	CPR TRANS	ACCESS RD 12"	02/18/82
V2103-1-48	14065 - 108 AVE, SURREY	CRAWFORD, J	WATER	01/31/84
V2933-1-48	14065-108 AVE.	CRAWFORD, J	ELECTRICAL SERVICE	04/28/87
V 159-1-8	246A ST. S. OF 50 AVE	CUAN ENGINEERING LTD	ROAD	07/02/74
V 173-1-104	208 ST. & 52A AVE	CUAN ENGINEERING LTD	SANITARY SEWER	09/18/74
V 347-1-42 43	98A AVE & 130 ST	CUAN ENGINEERING LTD	PAVED RD, CURB & STREET LIGHTING	04/ / 76
V3530-1-4	2495 ROSS ROAD	CURRIE, D	GRAVEL DRIVEWAY & HOUSE MOVE	
V3205-1-87	N OF HANEY BYPASS E OF 225 ST.	CURVE DEVELOPMENTS	FILL 12"	10/17/86
V 433-1-85	23296 RIVER ROAD	D & J CEDAR PRODUCTS	WATER	03/13/77
V 434-1-85	23296 RIVER ROAD	D & J CEDAR PRODUCTS	ROAD	
V 435-1-85	23296 RIVER ROAD	D & J CEDAR PRODUCTS	OVERHEAD ELECTRIC (C)	03/13/77
V3519	64TH ST & 28TH AVE	DALAL ENGINEERING	WATER MAIN	12/10/87
V 401-1-26	LAUREL (S. OF 96) E. OF 137B	DAON (C/O MCELHANNEY S&E	12" STORM SEWER	
V1192.1.31	68 AVE. W OF 200 ST.	DAON DEV.	250 MM ST. SEWER	05/19/81
V 787-1-31	68 AVE W. OF 200 ST.	DAON DEV. C/O W C & T	WATER MAIN	11/23/78
V1106	GLADWAIN S. OF DOWNES	DAON DEV. CEN. VALLEY	ENG. ROAD	
V1107	GLADWAIN S. OF DOWNES	DAON DEV. CEN. VALLEY	WATER	04/29/80
V1108	GLADWAIN S. OF DOWNES	DAON DEV. CEN. VALLEY	SAN. SEWER	04/15/80
V1545.1.20	192 & 95A	DAVID, MAIRNE & ASSOC.	PARKING 30"	
V 81-1-79	DEWDNEY TRUNK & BCHPA R/W	DAWSON DEVELOP.	ROADWORK	
V 81-1-79	S. OF DEWDNEY TRUNK - COQ.	DAWSON DEVELOP. C/O BURNETT R & S.	ROAD CONSTRUCTION	
V 25	12 AVE. W. OF 56 ST.	DAYTON & KNIGHT	18" WATER MAIN	
V 34-1-24 25	28 AVE. AT B.C.H. R/W	DAYTON & KNIGHT	30" WATER MAIN	
V 35	28 AVE AT 53 ST.	DAYTON & KNIGHT	18" WATER MAIN	
V 313-1-79 80	BARNET HIGHWAY & R/W	DAYTON & KNIGHT	8" WATER MAIN	05/12/76
V1059-1-94	BCHPA R/W N OF DEV. TRUNK	DAYTON & KNIGHT	1200 MM SEWER 12" NTP	10/16/80
V1071	RIVERSIDE RD. & BCHPA R/W	DAYTON & KNIGHT	SAN SEWER 6" TRUNK	10/16/80
V1096	CEDAR AVE. & S. OF CPR	DAYTON & KNIGHT	300 MM WATER 6" TP	06/09/80

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V3342	24TH AVE & 140TH ST	DAYTON & KNIGHT	ROAD	09/12/86
V3343	24TH AVE & 140TH ST	DAYTON & KNIGHT	STORM LATERAL	09/12/86
V3344	24TH AVE & 140TH ST.	DAYTON & KNIGHT	STORM LATERAL	09/12/86
V3345	24TH AVE & 140TH ST.	DAYTON & KNIGHT	CATCH BASIN	09/12/86
V3496-1-77	N OF HICKEY DR/W MARINER WAY COQ	DAYTON & KNIGHT	400 MM H2O	
V3497-1-77	N OF HICKEY DR/W MARINER WAY COQ	DAYTON & KNIGHT	600 MM H2O	
V 74 (A)&(B)	PARMITER & #17 HIGHWAY	DAYTON & KNIGHT FOR CORP OF DELTA	8" WATER MAIN	10/19/72
V 75	56 ST. & 18 AVE	DAYTON & KNIGHT FOR CORP OF DELTA	6" WATER	
V 76	56 ST. JUST S. OF #17 HIGHWAY	DAYTON & KNIGHT FOR CORP OF DELTA	WATER MAIN	09/26/72
V 935-1-30	W OF 206 ST & S OF 66 AVE LANG	DEGLAN, A. C/O BUCKLEY & GRAHAM		
V 284-1-20	9565 HARVIE ROAD	DEKOVA, GEORGE	LANDFILL, TREE/STUMP REMOVAL	
V 307-1-20	9565 HARVIE RD.	DEKOVA, GEORGE	PERMANENT ROAD CROSSING	03/26/76
V 351-1-20	9565 HARVIE RD.	DEKOVA, GEORGE (UNITED WOODWORK)	12" STORM DRAIN	
V 180-1-101	1963 KINGSWAY - P. COQ.	DEL EQUIPMENT LTD.	ROAD	
V 180-1-100	1963 KINGSWAY - PT. COQ.	DEL EQUIPMENT LTD.	2 - 18" CONCRETE CULVERTS	09/12/74
V 995	272 ST & 100 AVE-104 AVE MR	DELCAN CONSTRUCTION	ROAD WORK 2" & 4" TP (125)	03/23/81
V 996	272 ST (STATION 116 + 10) MR	DELCAN CONSTRUCTION	24" CULVERT 2" TP (125)	03/23/81
V 997	272 ST (STATION 120 + 93) MR	DELCAN CONSTRUCTION	12" CULVERT 4" TP (125)	03/23/81
V 998	272 ST (STATION 124 + 86) MR	DELCAN CONSTRUCTION	66" CULVERT 4" TP (125)	03/23/81
V 999	272 ST (STATION 129 + 81) MR	DELCAN CONSTRUCTION	12" CULVERT 4" TP (125)	03/23/81
V1000	272 ST (STATION 131 + 44) MR	DELCAN CONSTRUCTION	18" CULVERT 4" TP (125)	
V1001	272 ST (STATION 131 + 96) MR	DELCAN CONSTRUCTION	18" CULVERT 4" TP (125)	
V1025-1-43	128 & 100 AVE SEE V1032, V1033, V1236, V1237	DELCAN CONSTRUCTION	ROADWORK	12/10/79
V1032-1-43	128 ST & 100 AVE SURREY SEE V1025, V1236, V1237	DELCAN CONSTRUCTION	STORM SEWER	10/26/79
V1033-1-43	128 ST & 100 AVE SURREY SEE V1025, V1236, V1237	DELCAN CONSTRUCTION	ST LIGHTING CONDUIT	
V1344	272 ST 100 AVE TO 104	DELCAN CONSTRUCTION	ROADWORK 4"	
V1345	272 ST	DELCAN CONSTRUCTION	24" CULVERT 4"	
V1346	272 ST	DELCAN CONSTRUCTION	12" CULVERT 4"	
V1347	272 ST	DELCAN CONSTRUCTION	60" CULVERT 4"	
V1348	272 ST	DELCAN CONSTRUCTION	12" CULVERT 4"	
V1349	272 ST	DELCAN CONSTRUCTION	18" CULVERT 4"	
V1350	272 ST	DELCAN CONSTRUCTION	18" CULVERT 4"	
V1975-1-51	100 AVE. WEST OF 140TH STR.	DELCAN CONSTRUCTION	ROADWORKS	
V2052-1-51	100 AVE WEST OF 140TH STR.	DELCAN CONSTRUCTION	STORM SEWER	09/07/83
V2053-1-51	100 AVE WEST OF 140TH STR.	DELCAN CONSTRUCTION	STREET LIGHTING	
V1390	52 ST N OF 12 AVE	DELTA	6" PVC WATER 8"	01/29/81
V1505	51A ST & 10A AVE	DELTA	WATERMAIN 6"	10/28/81

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V1823	72 ST & AIRPORT	DELTA	WATER TP	06/09/82
V1906	52 ST '16 AVE	DELTA	WATER	10/25/82
V2085-1-69	RIVER RD. E. OF 76 ST.	DELTA	WATER 20"	12/12/83
V2025-1-69	RIVER RD. E. OF 76 ST.	DELTA	WATER 24"	12/12/83
V3470	34B AVE & HWAY 17	DELTA	2" P.E. WATERLINE	07/03/87
V3471	34B AVE HWY 17	DELTA	2" WATER LINE	
V3492	64 ST & LADNER TRUNK	DELTA	SANITARY	11/24/87
V3559-1-69	7423 WILSON AVE	DELTA	FENCE	
V3068-1-71	DYKE ROAD RICHMOND	DELTA AGGREGATES	EQUIP X-ING 20 MTP	03/01/85
V3069-1-71	DYKE ROAD RICHMOND	DELTA AGGREGATES	EQUIP X-ING 24 MTP	03/01/85
V 174-1-59	8500 BLK. 110A ST	DELTA MUNICIPALITY	18" WATER	
V 175-1-59	8400 BLK. BROOKE RD.	DELTA MUNICIPALITY	8" WATER	07/18/74
V2954-1-57	8468 - 117B ST DELTA	DELTA MUNICIPALITY	STORM SEWER	
V 107-1-58	116 ST. AT 84B AVE, DELTA	DELTA MUNICIPALITY C/O DAYTON & KNIGHT	20" WATER MAIN	07/26/73
V 125-1-58 59	8400 BLK. 112 STREET	DELTA MUNICIPALITY C/O W,C,& T A)	SIDEWALK	
V 125-1-58 59	8400 BLK. 112 STREET	DELTA MUNICIPALITY C/O W,C,& T B)	12" STORM SEWER	10/15/73
V 3	56 ST. AT 16 AVE	DELTA, CORP OF	WATER MAIN	
V 96 (D)	56 ST. - 16TH TO 10TH AVES.	DELTA, CORP OF	3/4" COPPER WATER	
V 96 (B)	56 ST. - 16TH TO 10TH AVES.	DELTA, CORP OF	6" ASBESTOS CEMENT WATER	
V 96 (A)	56 ST. - 16TH TO 10TH AVES.	DELTA, CORP OF	6" ASBESTOS CEMENT WATER	
V 96 (C)	56 ST. - 16TH TO 10TH AVES.	DELTA, CORP OF	4" ASBESTOS CEMENT WATER	
V 198-1-59	110A ST. N. OF 84	DELTA, CORP OF	18" WATER (THIS PERMIT REPLACES V174-353)	08/14/74
V 244	LNG PLANT	DELTA, CORP OF	WATER MAIN	
V 245-1-69		DELTA, CORP OF	10" WATER	03/13/75
V 419-1-57	118A ST. @ 84A AVE	DELTA, CORP OF	STORM DRAIN	
V 432	12 AVE & 51 ST., DELTA	DELTA, CORP OF	8" WATER	05/04/
V 465	36 AVE. & 72 ST.	DELTA, CORP OF	24" CULVERT	09/13/77
V 587-1-65	TASKER S. OF RIVER	DELTA, CORP OF	36" STORM SEWER	08/13/79
V 598	36 AVE & B.C.R. DELTA	DELTA, CORP OF	CULVERT INSTALLATION	12/12/77
V 872-1-60	108 ST. S OF 82 AVE., DELTA	DELTA, CORP OF	8" D.I. WATER	
V 904-1-58	E OF 112 ST - 8500 BLK, DELTA	DELTA, CORP OF	STORM DRAIN 24" MTP (585)	06/08/79
V3197	2776-64 TH ST.	DELTA, CORP OF	WATER SERVICE	04/28/87
V3318	72 ST. S OF LAD. TRK. RD	DELTA, CORP OF	WATER XING	05/13/86
V3574-1-57	120 ST BTN 84 & 86 AVE	DELTA, CORP OF	600MM DI WATER	
V 712	66 ST. & LADNER TRUNK	DELTA, CORP OF (AESL)	24" SEWER	10/15/78
V 473	EASEMENT RUNNING S. FROM 8400 BLK. RIVER RD.	DELTA, CORP OF C/O AESL	PIPE WEIR INSTALLATION	09/21/77
V 474-1-93	TASKER RD. S. OF RIVER RD.	DELTA, CORP OF C/O AESL		
V 803-1-65	RD. S. WEST OF TASKER S. OF RIVER RD.	DELTA, CORP OF C/O AESL	36" SEWER	03/17/78
V 705	84 ST. N. OF 43A AVE	DELTA, CORP OF C/O AESL	24" SEWER	10/05/78
V 706	84 ST. N. OF 43A AVE	DELTA, CORP OF C/O AESL		
V 72	56 ST. & 28 AVE	DELTA, CORP OF C/O DAYTON & KNIGHT	WATER	
V 119	57B ST. @ DELTAPORT WAY	DELTA, CORP OF C/O DAYTON & KNIGHT	30" WATER MAIN	07/27/73

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V 387	56 ST. & 18 AVE	DELTA, CORP OF C/O W.C. & T.	48" STORM SEWER	09/17/76
V 12-1-30 31	200 ST. S. OF 68 AVE	DEPT OF HIGHWAYS		04/04/73
V 120-1-21 22	176 ST. S. OF 96 AVE	DEPT OF HIGHWAYS	NEW HIGHWAY XING	10/11/74
V 139-1-34	CLOVER VALLEY N. OF FR. HWY	DEPT OF HIGHWAYS	ROAD	03/18/74
V 404-1-77	CAPE HORN INTERCHANGE	DEPT OF HIGHWAYS	STREET LIGHTING	10/22/
V 803-1-40	KING GEORGE HWY S. OF 88 AVE	DEPT OF HIGHWAYS	HWY RECONSTRUCTION, CONCRETE CULVERT INS	
V 804-1-53	KING GEORGE HWY S. OF 88 AVE	DEPT OF HIGHWAYS	HWY RECONSTRUCTION, CONCRETE CULVERT INS	06/12/79
V 812-1-53	K. GEORGE HWY, N. OF 92	DEPT OF HIGHWAYS	ROAD WIDENING	04/27/79
V 813-1-53	K. GEORGE HWY, N. OF 92	DEPT OF HIGHWAYS	CONCRETE CURB - WEST SIDE	
V 814-1-40	K. G. HWY, S. OF 88 AVE	DEPT OF HIGHWAYS	ROAD WIDENING	05/08/79
V 815-1-40	K. G. HWY, S. OF 88 AVE	DEPT OF HIGHWAYS	CURBS	
V 816-1-40	KING GEO. HWY S OF 88 AVE	DEPT OF HIGHWAYS	SIDEWALK	
V 859	GLOYER RD. & LANG. BYPASS	DEPT OF HIGHWAYS	ROAD CONSTRUCTION	
V 920	68 AVENUE & KING GEORGE HWY	DEPT OF HIGHWAYS	ROAD WIDENING	
V 923	KING GEO. HWY & 68 AVENUE	DEPT OF HIGHWAYS	CURB & GUTTERS(6"TP 275)	
V 924	KING GEO. HWY & 68 AVENUE	DEPT OF HIGHWAYS	SIDEWALK	
V 925	KING GEO. HWY & 68 AVENUE	DEPT OF HIGHWAYS	24" STORM DRAIN	
V 926	KING GEO. HWY & 68 AVENUE	DEPT OF HIGHWAYS	15" STORM DRAIN	
V2-93-1-74	ANNACIS HWY RICHMOND	DEPT OF HIGHWAYS	20" - HIGHWAY	
V3494-1-74	ANNACIS HWY RICHMOND	DEPT OF HIGHWAYS	24" - HIGHWAY	
V 344-1-56 57	120 ST. & 86 AVE	DEPT OF HIGHWAYS - GOODBRAND	24" STORM SEWER	03/23/77
V 97-1-7	W. OF 272 ST., N. OF 40 AVE. REGIONAL PROPERTIES.	DEPT OF NATIONAL DEFENCE	ACCESS ROAD	
V1730.1.7	WEST OF JACKMAN RD	DEPT OF NATIONAL DEFENCE	42" SENTINEL FENCE	
V1731.1.7	WEST OF JACKMAN RD	DEPT OF NATIONAL DEFENCE	30" SENTINEL FENCE	
V1797.1.7	ARMY CAMP	DEPT OF NATIONAL DEFENCE	FENCE 42"	
V1798.1.7	ARMY CAMP	DEPT OF NATIONAL DEFENCE	FENCE 30	
V3049-1-7	264 ST.	DEPT OF NATIONAL DEFENCE	42" SENTINEL FENCE	02/07/85
V3050-1-7	264 ST.	DEPT OF NATIONAL DEFENCE	30" SENTINEL FENCE	02/07/85
V3051-1-7	272 ST	DEPT OF NATIONAL DEFENCE	42" SENTINEL FENCE	02/07/85
V3052-1-7	272 ST	DEPT OF NATIONAL DEFENCE	30" SENTINEL FENCE	02/07/85
V3091-1-7	DND ALDERGROVE RIVERSIDE EXCAVATION	DEPT OF NATIONAL DEFENCE	30" ROAD WITH SLABS	04/19/85
V3092-1-7	DND ALDERGROVE RIVERSIDE EXCAVATION	DEPT OF NATIONAL DEFENCE	42" ROAD WITH SLABS	04/19/85
V3093-1-7	DND ALDERGROVE RIVERSIDE EXCAVATION	DEPT OF NATIONAL DEFENCE	30" CONC. SLABS	04/19/85
V3094-1-7	DND ALDERGROVE RIVERSIDE EXCAVATION	DEPT OF NATIONAL DEFENCE	42" CONC. SLABS	04/19/85
V3095-1-7	DND ALDERGROVE	DEPT OF NATIONAL DEFENCE	30" DITCH	
V3096-1-7	DND ALDERGROVE	DEPT OF NATIONAL DEFENCE	42" DITCH	
V3097-1-7	DND ALDERGROVE	DEPT OF NATIONAL DEFENCE	30" DITCH	
V3098-1-7	DND ALDERGROVE	DEPT OF NATIONAL DEFENCE	42" DITCH	
V 195-1-2	VYE & RIVERSIDE	DEPT OF PUBLIC WORKS	B) 8" WATER MAIN	10/09/
V 195-1-2	VYE & RIVERSIDE	DEPT OF PUBLIC WORKS	A) 18" WATER MAIN	10/09/

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V 195-1-2	VYE & RIVERSIDE	DEPT OF PUBLIC WORKS	C) ROAD CONST	
V 196-1-2	VYE & RIVERSIDE	DEPT OF PUBLIC WORKS	ROAD XING	11/10/75
V 197-1-2	VYE & RIVERSIDE	DEPT OF PUBLIC WORKS	CULVERT	05/10/76
V 303-1-2	N. OF VYE, W. OF RIVERSIDE	DEPT OF PUBLIC WORKS	REINFORCE ROAD CROSSINGS	
V 316-1-2	RIVERSIDE N. OF VYE	DEPT OF PUBLIC WORKS	ELECTRICAL DUCT BANK	02/03/76
V 383-1-2	MATSQUI INSTITUTE	DEPT OF PUBLIC WORKS	12 KV CABLE - 2 XINGS	
V 402-1-3	SWC KING & GLADWIN MATSQUI INSTITUTE	DEPT OF PUBLIC WORKS	U/G ELECTRIC CABLE	03/01/77
V 151-1-4	QUEEN ST. S. OF PEARDONVILLE	DEPT OF TRANSPORT	SANITARY SEWER	05/16/
V1525	CEDAR & ALDER	DEWDNEY	WATER MAIN 8"	10/10/81
V1526	CEDAR & ALDER	DEWDNEY	WATER MAIN 8"	03/02/82
V1527	CEDAR & ALDER	DEWDNEY	WATER MAIN 8"	02/26/82
V 337-1-76	S. OF 401. W. OF P. MAHN BR.	DILLINGHAM CORPORATION	TEMPORARY ROAD CROSSING	02/10/76
V 451-1-19	192 ST. S. OF 96 AVE	DNR TRANSPORT	TRAILER PARKING	
V 321-1-19	LANG/SURREY BDRY. N. OF 94A	DOMINION CONSTRUCTION	CONCRETE FLUME	11/01/76
V 322-1-19	198 ST N OF 94A AVENUE	DOMINION CONSTRUCTION	CURBS	
V 322-1-19	198 ST. N. OF 94A AVE	DOMINION CONSTRUCTION	A-F RD. CURBS, SIDEWALKS, SEWER & WATER	
V 778-1-19	S. OF 96 AVENUE	DOMINION CONSTRUCTION		
V 791-1-19	198 ST. S. OF 96 AVE	DOMINION CONSTRUCTION	PARKING LOT IN R/W	11/03/78
V1016-1-100	1515 KINGSWAY PT COQUITLAM	DOMINION CONSTRUCTION	6" WTR MAIN 12" MTP	10/11/79
V1017-1-100	1515 KINGSWAY PT COQUITLAM	DOMINION CONSTRUCTION	12" SAN SEWER 12" MTP	10/11/79
V1018-1-100	1515 KINGSWAY PT COQUITLAM	DOMINION CONSTRUCTION	DRIVEWAY 12" MTP	
V1109.1.19	198 ST. & 96 AVE V914 1 19 SEE CAN.	DOMINION CONSTRUCTION	SUPERSEDES V914 RAIL XING OF 30" MTP	
V 411-1-19	9565 198 ST.	DOMINION CONSTRUCTION WESTERN SUPP.	GRAVEL DRIVEWAY	
V1672.1.100	KINGSWAY	DOVER ENGINEERING	ROADWORK 12 MTP	01/24/82
V1673.1.100	KINGSWAY	DOVER ENGINEERING	SEWER 12 MTP	04/27/82
V1688.1.100	1515 KINGSWAY	DOVER ENGINEERING	CONC. SLABS 12"	05/31/82
V1389.1.76	BURRIDGE & ROGERS	DUAL CONSTRUCTION	TEMP ROAD 2"	01/16/81
V1568.1.76	MAYFAIR IND PK	DUAL CONSTRUCTION	TEMP RD XING 20"	09/24/81
V3326-1-39A	14266-87A SRY	DYCK, H	STM, SWALE/FILL	01/06/88
V 78-1-40	BEAR CREEK PARK	E.BEAZLEY & ASSOC. FOR CORP. SURREY	6" D.I. WATER MAIN	10/13/72
V3517-1-84	8510 RIVER RD DELTA	EBCO INDUSTRIES	DITCH X-ING 24MTP	09/17/87
V3518-1-84	8510 RIVER RD DELTA	EBCO INDUSTRIES	DITCH X-ING 36MTP	09/17/87
V 798-1-43	129A ST. S. OF 100 AVE	EL-SEWARO ENG. LTD.	6" WATER	03/30/79
V 799-1-43	129A ST. S. OF 100 AVE	EL-SEWARO ENG. LTD.	8" STORM DRAIN	03/26/79
V 800-1-43	129A ST. S. OF 100 AVE	EL-SEWARO ENG. LTD.	ROAD	05/11/79
V 801-1-43	129A ST. S. OF 100 AVE	EL-SEWARO ENG. LTD.	CURBS	04/24/79
V 802-1-43	129A ST. S. OF 100 AVE	EL-SEWARO ENG. LTD.	STREET LIGHTING CONDUIT	
V3347-1-79	BUOY DRIVE, COQ.	ELBE, LOCK & WALLS	ROAD	10/17/85
V3348-1-79	BUOY DRIVE, COQ.	ELBE, LOCK & WALLS	WATERMAIN.	11/05/86
V3422-1-79	BUOY DRIVE, COQ.	ELBE, LOCK & WALLS	ST. LIGHTING	
V3536-1-85	MCKAY ST, W OF ALBION GTE	ELKWOOD SPECIALTIES	SOIL STRIPPING	
V3550-1-85	ALBION GATE - MCKAY AVE	ELKWOOD SPECIALTIES	PAVED INDUSTRIAL LOT	32/11/87

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V3568-1-85	23225 MCKAY AVE	ELKWOOD SPECIALTIES	400MM STORM	
V3569-1-85	23225 MCKAY AVE	ELKWOOD SPECIALTIES	200MM STORM	02/18/88
V3570-1-85	23225 MCKAY AVE	ELKWOOD SPECIALTIES	SANITARY	02/18/88
V3571-1-85	23225 MCKAY AVE	ELKWOOD SPECIALTIES	PAVING	
V3609-1-85	23347 MCKAY AVE	ELKWOOD SPECIALTIES	8" WATER	05/12/88
V3610-1-85	23347 MCKAY AVE	ELKWOOD SPECIALTIES	8" WATER	05/12/88
V3619-1-85	23347 - MCKAY AVE	ELKWOOD SPECIALTIES	ELEC DUCTS	08/12/88
V 234-1-93	1545 KINGSWAY	ELLWOOD PROPERTIES	A) ROAD	02/28/71
V 234-1-93	1545 KINGSWAY	ELLWOOD PROPERTIES	B) STORM	01/14/71
V 234-1-93	1545 KINGSWAY	ELLWOOD PROPERTIES	C) DRAINAGE DITCH	12/12/73
V 251-1-99	1575 KINGSWAY	ELLWOOD PROPERTIES	4" WATER	06/03/75
V1726.1.65	VANTAGE WAY	ELTRON	PARKING LOT 24.36	
V2100-1-65	7583 VANTAGE WAY DELTA	ELTRON	PAVED DRIVEWAY 24"	05/04/84
V2101-1-65	7583 VANTAGE WAY DELTA	ELTRON	SLABS	04/27/84
V2102-1-65	7583 VANTAGE WAY DELTA	ELTRON	PAVED DRIVEWAY 36"	04/27/84
V1807.1.18	96 AVE & 200 ST	EMERCON	ST. LIGHT	11/03/82
V3155-1-10	6918 - 232 ST	EQUESTRIAN ASSOC.	DRAINAGE DITCHES 12"	
V3156-1-10	6918 - 232 ST	EQUESTRIAN ASSOC.	DRAINAGE DITCHES 30"	
V3157-1-10	6918-232 ST	EQUESTRIAN ASSOC.	GRADING 12"	
V3158-1-10	6918-232 ST	EQUESTRIAN ASSOC.	GRADING 30"	
V 19-1-101	LOTS 13, 14, 15 - BLK. A N. OF KINGSWAY, PT. COQ.	ESCO LTD	ROAD CONSTRUCTION	
V 619-1-101	KINGSWAY S. OF TYNER	ESCO LTD	8" WATER	12/14/77
V1834.1.56	1218 ST S OF 86 AVE	EXCEAT ENT	STORM SEWER 24"	09/21/82
V 985	RING RD N OF 68 AVE W OF 138	EXCEAT ENT FOR DIST SURREY	ROADWORK 6"TP	
V 986	RING RD N OF 68 AVE W OF 138	EXCEAT ENT FOR DIST SURREY	ROADWORK 6"TP	
V 987	68 AVENUE DIVERSION OFF RING ROAD	EXCEAT ENT FOR DIST SURREY	ROADWORK 6"TP	
V 988	68 AVE N OF 138 STREET	EXCEAT ENT FOR DIST SURREY	CULVERT 6"TP	08/27/
V 989	MEWTON RING RD & 68 AVENUE	EXCEAT ENT FOR DIST SURREY	DITCHES 6"TP	
V 990	68 AVE DIV & BCH RAILWAY @ 138 ST	EXCEAT ENT FOR DIST SURREY	DITCHES 6"TP	
V 991 (R1)	68 AVE & BCH RLWY @ 13800 BLK	EXCEAT ENT FOR DIST SURREY	STORM SEWER 6"TP	10/09/79
V 992	68 AVE & BCH R/W @ 13800 BLK	EXCEAT ENT FOR DIST SURREY	STORM SEWER 6"TP	10/09/79
V2984-1-8A	23840 - 56 AVE.	EXMANN, G	DOG RUN	09/11/84
V3466-1-50	10091-140 ST.	EYRE, W	FILL	
V3506-1-97	E SIDE PITT RIVER, MAPLE RIDGE	F.WEIER LOGS LTD.	PERMANENT BRIDGE	08/28/87
V2026-1-31	19888-68 AVE LANGLEY	FAIRWEATHER	DRIVEWAY	11/25/83
V2027-1-31	19888-68 AVE LANGLEY	FAIRWEATHER	20MM H2O SERV	10/02/83
V2028-1-31	19894-68 AVE LANGLEY	FAIRWEATHER	DRIVEWAY	11/25/83
V2029-1-31	19894-68 AVE LANGLEY	FAIRWEATHER	20MM H2O	10/ /83
V3643-1-77	S OF AUSTIN AVE	FARS F.R. HOLDINGS	GRAVEL DRIVEWAY	
V3006-1-17	21202 - 95A AVE, LANGLEY	FEDYX	FILL	
V1045-666-1	BEATTY ST (MISSION IND. PARK)	FENCO	75 MM SEWER (8" T.P.)	12/05/79
V1046-666-1	BEATTY ST (MISSION IND. PARK)	FENCO	200 MM WATER (8" T.P.)	11/26/79
V1078-666-1	BEATTY ST (MISS IND. PARK)	FENCO	ROADWAY 8" TP	03/31/80
V1079	BEATTY ST (MISS IND. PARK)	FENCO	CULVERT 8" TP	03/31/80

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FRASER VALLEY GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

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V1460	M/S NICOHEKL	FENCO	FILL 8"	09/14/81
V1474	152 ST E 40 AVE	FENCO	FILL 05.19	06/31/81
V1503	152 ST & 40 AVE	FENCO	ACCESS RD. 8"	
V1504	152 ST & 40 AVE	FENCO	TEMP DITCH 8"	
V1523	152 ST & 40 AVE	FENCO	PRELOAD 8"	
V1579.1.37	152 ST & 78 AVE	FENCO	SEWER 18"	10/08/81
V1594	152 ST & 78 AVE	FENCO	STORM SEWER 12"	10/18/81
V1600	152 ST & 72 AVE SOUTH	FENCO	ROADWORK 12"	10/26/81
V1601	152 ST & 72 AVE SOUTH	FENCO	STORM SEWER 12"	10/26/81
V1602	152 ST & 72 AVE NORTH	FENCO	ROADWORK 12"	10/26/81
V1603	152 ST & 76 AVE SOUTH	FENCO	STORM CULVERT 12"	10/21/81
V1604	152 ST & 76 AVE NORTH	FENCO	STORM CULVERT 12"	10/22/81
V1605	152 ST & 72 AVE NORTH	FENCO	200MM PUC SEWER	10/21/81
V1606	152 ST & 72 AVE NORTH	FENCO	200MM PUC SEWER	10/26/81
V1607	152 ST & 72 AVE NORTH	FENCO	200MM PUC SEWER	10/21/81
V1608	152 ST & 72 AVE NORTH	FENCO	200MM PUC SEWER	03/30/82
V1609	152 ST & 72 AVE NORTH	FENCO	200MM PUC SEWER	03/30/82
V1613.1.37	152 ST N OF BEAR CREEK	FENCO	ROADWORK 18"	
V1619	152 ST & BEAR CREEK	FENCO	ROADWORK 4"	09/11/81
V1636	152 ST 36TH TO 40TH AVE	FENCO	SEWER 8"	12/14/81
V1637	152 ST 36TH TO 40TH AVE	FENCO	CULVERT 8"	12/14/81
V1638	152 ST 36TH TO 40TH AVE	FENCO	CULVERT 8"	12/14/81
V1644	152 ST 36 AVE & 40	FENCO	CATCHBASIN LEADS	12/07/81
V1645	152 ST 36 AVE & 40	FENCO	CATCHBASIN LEADS	06/10/82
V1646	152 ST 36 AVE & 40	FENCO	CATCHBASIN LEADS	06/10/82
V1647	152 ST 36 AVE & 40	FENCO	CATCHBASIN LEADS	06/10/82
V1648	152 ST 36 AVE & 40	FENCO	CATCHBASIN LEADS 4"	06/10/82
V1649	152 ST 36 AVE & 40	FENCO	CATCHBASIN LEADS 12"	06/10/82
V1654	152 ST TO 66 A	FENCO	ROADWORK	
V1655	152 ST TO 66 A	FENCO	CATCH BASIN LEADS	02/25/82
V1656	152 ST TO 66 A	FENCO	CATCH BASIN LEADS	02/25/82
V1657	152 ST TO 66 A	FENCO	CATCH BASIN LEADS	02/25/82
V1658	152 ST TO 66 A	FENCO	CATCH BASIN LEADS	02/25/82
V1659	152 ST 66A TO 72	FENCO	CATCH BASIN LEADS TP	07/07/82
V1660	152 ST 66A TO 72	FENCO	CATCH BASIN LEADS TP	07/07/82
V1661	152 ST 66A TO 72	FENCO	CATCH BASIN LEADS TP	07/07/82
V1662	152 ST 66A TO 72	FENCO	CATCH BASIN LEADS TP	07/07/82
V1663	152 ST 66A TO 72	FENCO	CATCH BASIN LEADS TP	07/07/82
V1664	152 ST 66A TO 72	FENCO	CATCH BASIN LEADS TP	07/07/82
V1665	152 ST 66A TO 72	FENCO	CATCH BASIN LEADS TP	07/07/82
V1870	152 ST & 56TH AVE	FENCO	ROADWORK TP	
V1875	68 AVE W OF 152	FENCO	ROADWORK TP	
V1883	152 ST - 64 AVE	FENCO	U/G ELEC TP	06/05/82
V1883 R	152 ST & 64 AVE	FENCO	25 MM & 50 MM PUC	06/05/82
V1885	152 & 36	FENCO	STORM SEWER TP	01/19/82
V1886	152 & 36	FENCO	CATCHBASIN TP	01/18/82
V1887	152 & 64	FENCO	U/G ELEC TP	06/10/82

BC HYDRO AND POWER AUTHORITY
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V1727	152 ST - 40 - 56 AVE	FENCO	ROADWORK	
V1737	152 & KING GEO	FENCO	ROADWORK	03/05/82
V1741	152 ST & 4600 BLK	FENCO	CULVERT 8 TP	06/15/84
V1742	152 ST & 4600 BLK	FENCO	CULVERT 8 TP	
V1743	152 ST & 4600 BLK	FENCO	CULVERT 8 TP	
V1744	152 ST & 4600 BLK	FENCO	CULVERT 8 TP	
V1745	152 ST & 40 AVE	FENCO	SLABS 12 TP	
V1750	152 ST & 24 AVE	FENCO	ROADWORK	11/01/82
V1754	152 & 24TH AVE	FENCO	ROADWORK	02/03/84
V1755	152 & 24TH AVE	FENCO	ROADWORK	
V1769	152 ST & 68TH AVE	FENCO	CULVERT	05/03/82
V1773	152 ST & 68 AVE	FENCO	CULVERT	05/05/82
V1777	152 ST S OF 44 AVE	FENCO	CULVERT TP	06/07/82
V1799	152 ST AT 48 AVE	FENCO	CULVERT TP	
V1814	152 ST S OF COLEBROOK	FENCO	CULVERT TP	06/22/82
V1815	152 ST 40TH AVE TO 50	FENCO	ROADWORK TP	02/09/84
V1833	4900 BLK 152 ST	FENCO	CULVERT 8 TP	02/09/84
V1845	152 ST AND 48 AVE	FENCO	ROADWORK TP 1 1/4	02/09/84
V1857	48 AVE 152 ST	FENCO	ROADWORK TP 2"	02/09/84
V1882	152 ST N OF 48 AVE	FENCO	CULVERT TP	09/16/82
V2007-1-18	20610 - 95A AVE, SURREY	FINNEN	RETAINING WALL/LANDFILL	
V 270-1-23	96 AVE W. OF 162 ST.	FIX, J	DRIVEWAY CROSSING	
V1763.1.57	8475 117B ST	FLICK	PUC PIPE 4"	03/24/82
V3528-1-1	461 ANGUS CAMPBELL RD	FLOKSTA, F	DRAINAGE DITCH - 30"	09/18/87
V3529-1-1	461 ANGUS CAMPBELL RD	FLOKSTA, F	DRAINAGE DITCH - 42"	09/18/87
V 92-1-14 (B)	BETWEEN GAY & TRATTLE ST. FORT LANGLEY	FORT DEVELOPMENTS LTD.	6" A.C. WATER	02/26/73
V 92-1-14 (A)	BETWEEN GAY & TRATTLE ST. FORT LANGLEY	FORT DEVELOPMENTS LTD.	ROAD	02/26/73
V3504-1-8	4855-248 ST.	FRANK, W	PERIMETER DRAIN	
V3464-1-22	17252-96 AVE.	FREEBORN, T	FILL	
V1069-1-7	272 ST & 40 AVENUE	FROESE, P J	DRAINAGE DITCH 30"	08/16/80
V1070-1-7	272 ST & 40 AVENUE	FROESE, P J	DRAINAGE DITCH 42"	08/16/80
V3463-1-394	14614-87A AVE.	FYFFE, G	FILL & RETAINING WALL	
V 993	8750 MCLEAN ROAD	GAGLARDI, A	4" SAN SEWER 2TP (125)	09/12/79
V 994	29677 LOUGHEED HIGHWAY	GAGLARDI, A	1" & 11/2" CASED WATER 2 TP (125)	09/17/79
V3472-1-2	MATSQUI INST. KING RD	GANDER, L P	30" ELEC DUCTS	09/04/87
V3473-1-2	MATSQUI INST. KING RD	GANDER, L P	42" ELEC DUCTS	09/04/87
V1380.1.8	24679 48B AVE	GARTH OLSON	11/4" PLASTIC 30"	01/27/81
V1381.1.8	24679-48B AVE	GARTH OLSON	11/4" PLASTIC 42"	01/27/81
V3338-1-87	HARRISON ROAD MAPLE RDG.	GENESIS DEVELOPMENT	WATER	05/01/88
V3339-1-87	HARRISON ROAD MAPLE RDG.	GENESIS DEVELOPMENT	STREET LIGHTING	05/01/88
V 628-1-80	APPROX. 3250' W. OF BARNET HWY (EAGLE RIDGE)	GENSTAR DEV.	TEMPORARY RD. XINGS	07/04/78
V 629-1-80	APPROX. 4500' W. OF BARNET HWY (EAGLE RIDGE)	GENSTAR DEV.	TEMPORARY RD. XINGS	07/04/78

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V 656-1-80	RD. "A" N/S COLLECTOR-EAGLE RIDGE II	GENSTAR DEV.		08/23/78
V 657-1-80	RD. "B" N/S COLLECTOR-EAGLE RIDGE II	GENSTAR DEV.		07/26/
V 674-1-80	EAGLE RIDGE DEV. STAGE II	GENSTAR DEV.	STORM (CANCELLED)	
V 675-1-80	EAGLE RIDGE DEV. STAGE II	GENSTAR DEV.	SANITARY	06/16/78
V 676-1-80	EAGLE RIDGE DEV. STAGE II	GENSTAR DEV.	STORM	06/16/78
V 677-1-80	EAGLE RIDGE DEV. STAGE II	GENSTAR DEV.	SANITARY	
V 682-1-80	EAGLE RIDGE DEV. STAGE II	GENSTAR DEV.	SIDEWALK	
V 683-1-80	EAGLE RIDGE DEV. STAGE II	GENSTAR DEV.	8" STORM SEWER	
V 743-1-80	EAGLE RIDGE STAGE II SOUTH COLLECTOR	GENSTAR DEV.	6" WATER MAIN	07/27/78
V 744-1-80	EAGLE RIDGE STAGE II NORTH COLLECTOR	GENSTAR DEV.	8" WATER MAIN	08/31/78
V 782-1-80	N - N/S COLLECTOR	GENSTAR DEV.	ORNAMENTAL STREET LIGHTING	10/03/79
V 783-1-80	N. SIDE OF SOUTH N/S COLLECTOR	GENSTAR DEV.	ORNAMENTAL STREET LIGHTING	
V 784-1-80	S. SIDE OF SOUTH N/S COLLECTOR	GENSTAR DEV.	ORNAMENTAL STREET LIGHTING	
V1029-4-28-5	152 ST & 18 AVE. SURREY	GENSTAR DEV.	TRAFFIC SIGNAL CONTROL DUCT	11/19/
V1035-428-5	152 ST & 18 AVE - SEC	GENSTAR DEV.	TRAFFIC SIGNAL CONTROL	11/19/79
V1050-1-79	MARINER WAY & SPURWAY AVE.	GENSTAR DEV.	STORM SEWER 20" MTP	
V1051-1-79	MARINER WAY & SPURWAY AVE.	GENSTAR DEV.	STORM SEWER 20" MTP	
V1054-1-79	MARINER & SPURWAY	GENSTAR DEV.	SAN. SEWER 20" MTP	
V1141	152 ST. & 19TH AVE.	GENSTAR DEV.	STORM SEWER	06/23/80
V1205.1.79	SPURWAY & COMO LAKE	GENSTAR DEV.	30 MM ST. HG 20" MTP	07/25/80
V1206.1.79	MARINER N OF COMO LK	GENSTAR DEV.	30 MM ST. HG 20" MTP	
V1239	152 ST & 19 AVE	GENSTAR DEV.	200 M DRAIN 5" TP	09/12/80
V1268.1.8	WEST OF BARNETT HWY	GENSTAR DEV.	SAN SEWER 20"	02/02/81
V1269.1.8	WEST OF BARNETT HWY	GENSTAR DEV.	STORM SEWER 20"	02/02/81
V1271.1.8	N OF BARNETT HWY	GENSTAR DEV.	ROAD GRADE 20"	09/17/81
V1272.1.8	N OF BARNETT HWY	GENSTAR DEV.	TEMP CROSSING 20"	02/02/81
V1309	19 AVE E OF 152 ST	GENSTAR DEV.	ST. LIGHT 8"	
V1544.1.80	EAGLE REDE N OF LANSLOWNE	GENSTAR DEV.	WATERMAIN 20"	05/25/83
V1549.1.80	EAGLE RIDGE	GENSTAR DEV.	TEMP EQUIP X 20"	05/25/83
V 283-1-20	95A AVE & 192 ST.	GEOFF HOBBS & ASSOCIATES	STORM SEWER	
V 817-1-85	TILBURY PARK N. MITCHELL LUMBER CO.	GIEGERICH ENG. SERV. LTD.	10" STORM SEWER	05/25/79
V 818-1-85	TILBURY PARK	GIEGERICH ENG. SERV. LTD.	12" STORM SEWER	02/19/79
V 819-1-85		GIEGERICH ENG. SERV. LTD.	6" SANITARY SEWER	02/07/79
V 820-1-85		GIEGERICH ENG. SERV. LTD.	8" WATER	02/01/79
V 821-1-85		GIEGERICH ENG. SERV. LTD.	CRUSHED LIMESTONE PARKING LOT	
V 822-1-85		GIEGERICH ENG. SERV. LTD.	BLACKTOP DRIVEWAY	01/18/79
V3143-1-95	LOUGHEED HWY & PARK RD PITT MEADOWS	GIFCO ENGINEERING	GRADING	09/19/85
V3144-1-95	LOUGHEED HWY & PARK RD PITT MEADOWS	GIFCO ENGINEERING	PAVED ROAD & SLABS	10/10/85
V3145-1-95	LOUGHEED HWY & PARK RD PITT MEADOWS	GIFCO ENGINEERING	STORM SEWER	11/10/85

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V3159	151 ST. & 24 AVE	GIFCO ENGINEERING	WATERMAIN	06/19/85
V3160	151 ST & 24 AVE	GIFCO ENGINEERING	ROADWORK	06/19/85
V3188-1-95	PARK RD. PITT MEADOWS	GIFCO ENGINEERING	BERM & FENCE	04/21/86
V3241-1-95	BONSON & LOUGHEED	GIFCO ENGINEERING	STORM SEWERS	03/25/86
V3242-1-95	BONSON & LOUGHEED	GIFCO ENGINEERING	150MM PVC DRAINS.	03/25/86
V3631	4115 - 208 ST	GIFCO ENGINEERING	ROADWORK	
V3468-1-2	MCKENZIE RD	GILL, H (MURPHY & WAKEFIELD)	IRRIGATION - 30"	06/16/87
V3469-1-2	MCKENZIE RD	GILL, H (MURPHY & WAKEFIELD)	IRRIGATION - 42"	06/16/87
V1611.1.84	TASKER RD.	GOLDBERG, H	PARKING LOT 09.30	
V1690.1.3	30632 MARSHALL RD	GOLDEN VALLEY PROC	4" WATER 30"	04/14/82
V1691.1.3	30632 MARSHALL RD	GOLDEN VALLEY PROC	4" WATER 42	04/14/82
V1692.1.3	30632 MARSHALL RD	GOLDEN VALLEY PROC	4" WATER 30	04/14/82
V1693.1.3	30632 MARSHALL RD	GOLDEN VALLEY PROC	4" WATER 42	04/14/82
V1825.1.3	31632 MARSHALL ROAD	GOLDEN VALLEY PROC	ROAD 30 NTP	
V1826.1.3	31632 MARSHALL ROAD	GOLDEN VALLEY PROC	ROAD 42 NTP	
V1883-1-3	MARSHALL & FOY RD WATSQUI	GOLDEN VALLEY PROC	H2O DISCHARGE OVER 30" NTP	
V1884-1-3	MARSHALL & FOY RD WATSQUI	GOLDEN VALLEY PROC	H2O DISCHARGE OVER 42" NTP	
V 254-1-54	132 ST. & 90 AVE.	GOODBRAND CONSTRUCTION	WATER MAIN	03/26/75
V 680-1-65	S. OF TILBURY STN. 12"	GOODBRAND CONSTRUCTION	TEMPORARY ROAD XING	04/25/78
V3638-1-43	12865 - 99 AVE	GORDON MCMILLAN	STORM SEWER	
V3639-1-43	12865 - 99 AVE	GORDON MCMILLAN	FILL	
V3298-1-57	8481-118A ST.	GORDON, E	DRAIN TILE	01/14/87
V1122.1.69	HOPCOTT RD - TILLBURY	GOWER YEUNG	FILL 6" NTP	
V1123.1.69	HOPCOTT RD - TILLBURY	GOWER YEUNG	FILL 12" NTP	
V1124.1.69	HOPCOTT RD - TILLBURY	GOWER YEUNG	4" WTR. SER 6" NTP	
V1125.1.69	14 HOPCOTT RD. TILBURY	GOWER YEUNG	4" WTR. SER. 12" NTP	
V1126.1.69	14 HOPCOTT RD. TILBURY	GOWER YEUNG	8" STORM SEW. 6" NTP	
V1127.1.69	14 HOPCOTT RD. TILBURY	GOWER YEUNG	8" STORM SEW. 12" NTP	
V 189-1-8	56 WAGONWHEEL CR.	GRANT, B	ISSUED FOR RECORD KEEPING PURPOSES ONLY	
V2951-1-31	19315 - 70 AVE SURREY	GRIZZLY CONSTRUCTION	FILL	06/22/84
V2952-1-31	19315 - 70 AVE SURREY	GRIZZLY CONSTRUCTION	4" DRAIN	04/28/87
V3427-1-8A	5519-239 ST.	GROENHOF, MRS.	WATER SERVICE.	01/20/87
V3428-1-8A	5519-239 ST.	GROENHOF, MRS.	ELECTRICAL SERVICE	01/20/87
V 191	68 AVE W. OF 200 ST.	GURAN CONSTRUCTION	ROAD	
V1338	GLADWIN RD N OF MCLURE	H & M DESIGN	WATER	11/13/80
V1339	GLADWIN RD N OF MCLURE	H & M DESIGN	ROADWORK	02/ /81
V1340	GLADWIN RD N OF MCLURE	H & M DESIGN	SAN SEWER	01/06/81
V1341	GLADWIN RD N OF MCLURE	H & M DESIGN	STORM SEWER	01/06/81
V1052-1-92	GLENWOOD & HOOD STREET	H & M DEVELOP.	WALKWAY 12 NTP	
V1053-1-92	GLENWOOD & HOOD STREET	H & M DEVELOP.	6" WATERLINE 12 NTP	
V 531	SUBDIV. E. OF 210 ST. MAPLE RIDGE	H & M DEVELOP. C/O VALENCO ENG.	RD XING	
V 436-1-93	210 ST. @ 121 AVE., M.R.	H & M DEVELOP. CONTR. LTD.	ROAD, CURB, SIDEWALK, STORM & WATER MAIN	09/ /77
V1191	SELDON RD.	H B CONSTRUCTION	HOG FUEL RD	07/23/80
V 154-1-41	88 AVE & 130 ST.	H B CONSTRUCTION C/O APLIN & MARTIN	42" STORM	01/01/74

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V3038-1-17	95A AVE. & 214A ST	H O H & D #11	FILL	
V3640-1-85	23371 FISHERMANS RD	H&R REDI-MIX	SANITARY SEWER	
V3641-1-85	23371 FISHERMANS RD	H&R REDI-MIX	STORM SEWER	
V3642-1-85	23371 FISHERMANS RD	H&R REDI-MIX	WATER SERVICE	
V 239-1-99	S. OF LOUGHEED APPROX AUSTIN/BURY	H.A.ROBERTS GROUP LTD.	TEMPORARY ROAD XING	03/04/75
V3371-1-94	BECKER SUBDIVISION EAST OF 206 ST. NORTH OF	HAMILTON & ASSOC	Ø50 PVC STM	10/27/86
V3372-1-94	DEWDNEY TK RD	HAMILTON & ASSOC	200 PVC SAN	10/27/86
V3373-1-94	MAPLE RIDGE	HAMILTON & ASSOC	150 DI H2O	10/27/86
V3374-1-94	MAPLE RIDGE	HAMILTON & ASSOC	ROAD C	10/27/86
V3375-1-94	MAPLE RIDGE	HAMILTON & ASSOC	1350MM CSP CULVERT	10/27/86
V3387-1-94	207 & DEWDNEY TR.	HAMILTON & ASSOC	STORM	10/21/86
V3388-1-94	207 & DEWDNEY TR.	HAMILTON & ASSOC	SANITARY	10/21/86
V3389-1-94	207 & DEWDNEY TR.	HAMILTON & ASSOC	SANITARY	10/21/86
V3390-1-94	207 & DEWDNEY TR.	HAMILTON & ASSOC	WATER	10/21/86
V3391-1-94	207 & DEWDNEY TR.	HAMILTON & ASSOC	WATER	10/21/86
V3392-1-94	207 & DEWDNEY TR.	HAMILTON & ASSOC	ROAD	10/21/86
V3454-1-94	207 & DEWDNEY TRUNK	HAMILTON & ASSOC	SANITARY	08/04/87
V3455-1-94	207 & DEWDNEY TRUNK	HAMILTON & ASSOC	DRIVEWAY	08/12/87
V3399-1-94	207 & DEWDNEY TRUNK RD.	HAMILTON & ASSOC (LIEM ENG.)	STREET LIGHTING	01/05/88
V3355-1-71	DYKE RD. RICHMOND	HANSON, E H	10" VACUUM LINE (24")	
V3356-1-71	DYKE RD. RICHMOND	HANSON, E H	10" VACUUM LINE (20")	09/12/86
V2950-1-17	S OF 96, W OF 213 ST.	HARLEY CONSTRUCTION	FILL	06/25/84
V1590.1.77	CAPE HORN - MATHESON	HAYES LAIRD	ROAD 20"	04/11/82
V1591.1.77	CAPE HORN - MATHESON	HAYES LAIRD	SAN SEWER 20"	01/06/82
V1592.1.77	CAPE HORN - MATHESON	HAYES LAIRD	STORM SEWER 20"	10/27/81
V1593.1.77	CAPE HORN - MATHESON	HAYES LAIRD	SLABS 20"	10/06/81
V1595.1.77	CAPE HORN & MATHESON	HAYES LAIRD	DITCH 20"	04/11/82
V1596.1.77	CAPE HORN & MATHESON	HAYES LAIRD	WATERMAIN 20"	12/16/81
V1597.1.77	CAPE HORN & MATHESON	HAYES LAIRD	STORM SEWER 20"	12/08/81
V1598.1.77	CAPE HORN & MATHESON	HAYES LAIRD	ROAD 20"	09/30/82
V1599.1.77	CAPE HORN & MATHESON	HAYES LAIRD	150M WATERMAIN 20"	01/13/82
V1676.1.103	PASTURE CIRCLE	HAYES LAIRD	SEWER 12 NTP	
V1725.1.77	MATHEWSON AVE	HAYES LAIRD	ROADWORK 20 NTP	09/28/82
V1740.1.77	MATHEWSON AVE	HAYES LAIRD	SEWER 20"	07/12/82
V1809.1.77	AUSTIN AVE	HAYES LAIRD	STORM SEWER 20	12/10/82
V1810.1.77	AUSTIN AVE	HAYES LAIRD	ST. LIGHT 20	
V1840.1.77	AUSTIN AVE - ROAD A	HAYES LAIRD	ST. LIGHTING 20 NTP	
V1911-1-77	HICKEY ST COQUITLAM	HAYES LAIRD	ROAD IMPV'T: PVT, SIDE WLK ETC	
V1912-1-77	HICKEY ST COQUITLAM	HAYES LAIRD	STREET LIGHTING	
V1913-1-77	HICKEY ST COQUITLAM	HAYES LAIRD	STREET LIGHTING	
V1914-1-77	MATHEWSON AVE COQ	HAYES LAIRD	STREET LIGHTING	
V1915-1-77	MATHEWSON AVE COQ	HAYES LAIRD	STREET LIGHTING	
V1999-1-94	DEWDNEY TRUNK RD	HAYES LAIRD	ROAD/SIDEWALK/CURBS	03/08/84
V2000-1-94	DEWDNEY TRUNK RD	HAYES LAIRD	200MM SAN SEWER	01/16/84
V2001-1-94	203 & DEWDNEY TRUNK ROAD	HAYES LAIRD	800MM STORM SEWER	01/16/84

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FRASER VALLEY GAS DIVISION
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FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V2002-1-94	203 & DEWDNEY TRUNK ROAD	HAYES LAIRD	150MM WATER MAIN	02/07/84
V2003-1-94	203 & DEWDNEY TRUNK ROAD	HAYES LAIRD	STREET LIGHTING DUCT	
V3260-1-28	22227-57A AVE.	HEATON, D	GRAVEL DRIVEWAY	
V3042-1-17	96 AVE & 203A ST.	HEINRICHS ENTERPRISES	DRIVEWAY	
V2887-1-59	8484-109 ST. DELTA	HELBERG CONSTR.	STORM SEWER	01/17/84
V2888-1-59	8484-109 ST. DELTA	HELBERG CONSTR.	WATER 24"	01/17/84
V2889-1-59	8484-109 ST. DELTA	HELBERG CONSTR.	SANITARY SEWER	01/17/84
V2890-1-59	8484-109 ST. DELTA	HELBERG CONSTR.	DRIVEWAY	01/17/84
V 295	S. LOUGHEED HIGHWAY	HICKS, WARREN	24"	
V 100-1-23	9567 - 164 ST.	HIGH LOW CONSTRUCTION	TEL. & ELEC. CABLE	04/04/73
V3261-1-5	29460 DUNCAN AVE	HIMAN, D	SANITARY 42"	04/15/86
V3262-1-5	29460 DUNCAN AVE	HIMAN, D	WATER 42"	01/05/88
V3263-1-5	29460 DUNCAN AVE	HIMAN, D	PAVED DRIVEWAY 42"	04/15/86
V3264-1-5	29460 DUNCAN AVE	HIMAN, D	DRAINAGE CULVERT 30"	04/15/86
V3265-1-5	29460 DUNCAN AVE	HIMAN, D	DRAINAGE CULVERT 42"	04/15/86
V3266-1-5	29460 DUNCAN AVE	HIMAN, D	FILL 30"	04/15/86
V3267-1-5	29460 DUNCAN AVE	HIMAN, D	FILL 42"	04/15/86
V3457	56TH ST. NORTH OF 18TH	HOGAN ENGINEERING	200MM SAN. SEWER	
V3458	56TH ST. NORTH OF 18TH	HOGAN ENGINEERING	250MM STORM SEWER	
V3459	56TH ST. NORTH OF 18TH	HOGAN ENGINEERING	150MM SAN SEWER	
V3460	56TH ST. NORTH OF 18TH	HOGAN ENGINEERING	450MM STORM SEWER	
V3461	56TH ST. NORTH OF 18TH	HOGAN ENGINEERING	150MM SAN SEWER	
V3462	56TH ST NORTH OF 18TH AVE	HOGAN ENGINEERING	250MM WATER MAIN	
V 409-1-81	W. OF WATER ST., IOCO	HOMESTEAD MOBILE HOME PARK	TELEPHONE CABLE SYSTEM	
V 294-1-57	8555 120 ST.	HOWATT ENTERPRISES (DAIRY QUEEN)	(A-F) STORM LT. STM. INST, RD SIGN INST,	
V1537	14061 - 40 AVE	HUB ENGINEERING	WATER SERV 2"	10/20/81
V3370-1-20	188 ST. S OF 96 AVE.	HUB ENGINEERING	WATER MAIN	11/18/86
V3424	152 ST. S. OF 24 AVE	HUB ENGINEERING	WATER MAIN	01/09/87
V3446-1-18	W OF 204 & S OF	HUB ENGINEERING	STORM	04/08/87
V3447-1-18	96 AVE, LANGLEY	HUB ENGINEERING	SANITARY	04/08/87
V3523-1-20	9585 HARVIE RD	HUB ENGINEERING	SANITARY SEWER	
V3565-1-60	N/S 84 AVE CONNECTOR W 108 ST	HUB ENGINEERING	MM H2O	02/16/88
V3566-1-60	N/S 84 AVE CONNECTOR W 108 ST	HUB ENGINEERING		02/16/88
V3303-1-20	18750-96 AVE.	HUMPHREY CONSTR.	SANITARY SEWER	05/01/86
V1379.1.21	180 ST & 93A AVE	HUNTER LAIRD	WATERMAIN 30"	12/19/80
V1452.1.18	W OF 206 S OF 95A AVE	HUNTER LAIRD	SEWER 30"	
V1453.1.18	W OF 206 S OF 95A AVE	HUNTER LAIRD	SEWER 30"	
V1497.1.18	206 ST & 94A AVE	HUNTER LAIRD	GRADING 30"	
V1498.1.18	206 ST & 94A AVE	HUNTER LAIRD	WATERMAIN 30"	07/09/81
V1499.1.18	206 ST & 94A AVE	HUNTER LAIRD	ACCESS RD 30"	07/09/81
V1500.1.18	206 ST & 94A AVE	HUNTER LAIRD	FILL 30"	07/09/81
V1501.1.18	206 ST & 94A AVE	HUNTER LAIRD	STORM SEWER 30"	07/02/81
V1502.1.18	206 ST & 94A AVE	HUNTER LAIRD	SAN SEWER 30"	07/02/81
V1699.1.102	CAPE HORN & MATHEWSON	HUNTER LAIRD	GRADING 20	05/11/82
V1715.1.77	CAPE HORN & MATHEWSON	HUNTER LAIRD	STORM SEWER 20"	02/22/82
V1716.1.77	CAPE HORN & MATHEWSON	HUNTER LAIRD	SAN SEWER 20"	02/22/82

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V2067-1-78	MARINER WAY, N OF AUSTIN RD COQ	HUNTER LAIRD	ROAD WORKS	
V2068-1-78	MARINER WAY, N OF AUSTIN RD COQ	HUNTER LAIRD	STORM SEWER	03/08/84
V2069-1-78	MARINER WAY, N OF AUSTIN RD COQ	HUNTER LAIRD	ST LTG PVC DUCTS	03/14/84
V2070-1-78	MARINER WAY, N. OF AUSTIN RD, COQ.	HUNTER LAIRD	DRAINAGE DITCH	
V2935-1-79	BUOY DR. COQ	HUNTER LAIRD	SEWER	07/31/84
V2974-1-104	COMO LAKE RD, E OF COQ GATE	HUNTER LAIRD	PAVEMENT	08/21/84
V2975-1-104	COMO LAKE RD, E OF COQ GATE	HUNTER LAIRD	ST LTG	08/21/84
V2976-1-104	COMO LAKE RD, E OF COQ GATE	HUNTER LAIRD	ST LTG	08/21/84
V3512-1-80	N. OF LANSDOWNE COQ	HUNTER LAIRD BEL CONST	LAND GRADING OVER 20M&D	
V2915-1-24	96 AVE. E OF 156	HY ENGINEERING	SANITARY SEWER	02/10/86
V2916-1-24	96 AVE. E OF 156	HY ENGINEERING	STORM SEWER	01/29/86
V2917-1-24	96 AVE. E OF 156	HY ENGINEERING	STORM SEWER	01/29/86
V2918-1-24	96 AVE. E OF 156	HY ENGINEERING	CULVERT	01/24/86
V2919-1-24	96 AVE E OF 156 ST	HY ENGINEERING	ROAD & CURB	03/19/86
V2920-1-24	96 AVE E OF 156 ST	HY ENGINEERING	SLABS	01/17/86
V3557-1-35	79A AVE & 165A STR.	HY ENGINEERING	DITCH CROSSING	
V 214-1-82	STRATHCONA HFO PROJECT IOCO REFINERY	IMPERIAL OIL ENTERPRISES LTD.	ROAD	
V1546.1.20	95 AVE & 192 ST	INFANTI	PAVING 30"	01/19/82
V1587.1.20	95 AVE & 192 ST	INFANTI	SLABS 30"	01/19/82
V1707	152 ST & 19TH AVE	ION ENGINEERING LTD.	WATER MAIN 8"	01/14/82
V 427-1-101	AN KINGSWAY & WILSON	J.K.W. ENGINEERING FOR B.C.HYDRO	A-I	
V 428-1-101	AF KINGSWAY & 300' E. OF TYNER	J.K.W. ENGINEERING FOR B.C.HYDRO		
V 429-1-101	AE KINGSWAY 700' E. TYNER	J.K.W. ENGINEERING FOR B.C.HYDRO	A-RD. B-CURB C-S/W D-ST.SEWER E-WATER	
V1828	72 ST & AIRPORT	J.PHILLIPS CONST	U/G TP	10/27/82
V3299-1-69	78 ST & RIVER RD DELTA	J.PHILLIPS CONST	LANDSCAPING	01/06/88
V1273.1.94	D.T. & LOUGHEED	JACK CEVE	TEMP CROSSING 12"	09/11/80
V1710.1.100	1500 BLK KINGSWAY	JACK CEVE	8" BLVD 12"	
V1711.1.100	1500 BLK KINGSWAY	JACK CEVE	8" BLVD 12"	
V3168-1-87	S OF LOUGHEED HWY. E OF 225 ST	JACK CEVE	TEMP ROAD XING 12"	07/17/85
V3169-1-87	N OF HANEY BYPASS E OF 225 ST	JACK CEVE	SANITARY	07/17/85
V3170-1-87	N OF HANEY BYPASS E OF 225 ST	JACK CEVE	STORM	07/17/85
V3171-1-87	N OF HANEY BYPASS E OF 225 ST	JACK CEVE	FILL	07/17/85
V1674.1.30	20353 66 AVE	JANZEN, B	ROADWORK	
V2983-1-30	20353 - 66 AVE.	JANZEN, B	FILL	
V 777-1-2	E. OF GLADWIN, S. OF KING	JANZEN, WALTER	ROAD CONSTRUCTION	10/12/78
V 786-1-2	E. OF GLADWIN, S. OF KING	JANZEN, WALTER	ROAD CONSTRUCTION	10/12/78
V 873-1-2	145B GLADWIN	JANZEN, WALTER	XING 30" 4" PLASTIC IRRIGATION PIPE	
V 874-1-2	145B GLADWIN	JANZEN, WALTER	XING 42"	

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V 875-1-3	32870 KING ROAD	JANZEN, WALTER	XING 30"-4" PL. IRR. PIPE	
V 876-1-3	32870 KING ROAD	JANZEN, WALTER	XING 42"	
V 877-1-3	32870 KING ROAD	JANZEN, WALTER	XING 30"-1" PL WTR. SERV.	
V 878-1-3	32870 KING ROAD	JANZEN, WALTER	XING 42"	
V3017-1-2	1458 GLADWIN RD.	JANZEN, WALTER	4" PLASTIC WATERLINE	03/26/87
V3018-1-2	1458 GLADWIN RD.	JANZEN, WALTER	4" PLASTIC WATERLINE	03/26/87
V3019-1-2	1458 GLADWIN RD.	JANZEN, WALTER	4" PLASTIC WATERLINE	03/26/87
V3020-1-2	1458 GLADWIN RD.	JANZEN, WALTER	4" PLASTIC WATERLINE	03/26/87
V1830	64 AVE & 152 ST	JET-CON ENGINEERING	SEWER TP	11/24/82
V1831	64 AVE & HYLAND	JET-CON ENGINEERING	SEWER TP	11/24/82
V3126	40TH AVE & KG HWY	JET-CON ENGINEERING	FORCEMAIN	05/10/85
V3127	40TH AVE & KG HWY	JET-CON ENGINEERING	FORCEMAIN	05/14/85
V3128	44TH AVE & K G H	JET-CON ENGINEERING	FORCEMAIN	05/14/85
V3567-1-48	14071-109 AVE SURREY	JET-CON ENGINEERING	4" STORM SERVICE	
V 29-1-88	22730 - 119 AVE	JORDHEIM, C A	DOMESTIC WATER LINE	
V 30-1-88	22730 - 119 AVE	JORDHEIM, C A	GRAVELLING OF PARKING AREA	
V 181-1-8	246 ST. N. OF 50 AVE	JUSTICE, CHICALO & AUSTIN	A) ROAD	
V 181-1-8	246 ST. N. OF 50 AVE	JUSTICE, CHICALO & AUSTIN	B) CULVERT	
V3572-1-8	24509 - 50 AVE	KABATOW, S	O/H ELEC 42"	04/08/88
V3573-1-8	24509 - 50 AVE	KABATOW, S	O/H ELEC 30"	
V3449-1-43	12985-99 AVE	KARLEEN, K	DRAINAGE	
V1153.1.2	VYE R. E OF RIVERSIDE	KER PRIESTMAN	300 MM WATER MAIN XING	11/26/80
V1154.1.2	VYE R. E OF RIVERSIDE	KER PRIESTMAN	300 MM WATER 42" MTP	11/26/80
V1357.1.2	VYE R E OF RIVERSIDE	KER PRIESTMAN	WATER 30"	11/26/80
V1358.1.2	VYE R E OF RIVERSIDE	KER PRIESTMAN	WATER 42"	11/26/80
V1425.1.1	WHATCOM RD. N OF IN BDY	KER PRIESTMAN	WATER MAIN XING 30"	04/07/82
V1426.1.1	WHATCOM RD. N OF IN BDY	KER PRIESTMAN	WATER MAIN XING 42"	04/07/82
V1427.1.1	ANGUS CAMPBELL RD.	KER PRIESTMAN	WATER MAIN 30"	06/04/81
V1428.1.1	ANGUS CAMPBELL RD.	KER PRIESTMAN	WATER MAIN 42"	06/04/81
V1429.1.2	MCKENZIE RD.	KER PRIESTMAN	WATER MAIN 30"	07/16/82
V1430.1.2	VYE RD	KER PRIESTMAN	WATER MAIN 42"	07/16/82
V1431.1.2	MCCALLUM RD.	KER PRIESTMAN	WATER MAIN 30"	03/08/84
V1432.2.2	MCCALLUM RD.	KER PRIESTMAN	WATER MAIN 42"	
V1490	119 AVE & 227 ST	KER PRIESTMAN	WATERMAIN 12"	
V 65 (A)	W. OF 152 ST. & S. OF 88 AVE L/S 86 AVE - SURREY	KHAN CUBITT ENG	FORCE MAIN	01/ /73
V 65 (B)	W. OF 152 ST. & S. OF 88 AVE L/S 86 AVE - SURREY	KHAN CUBITT ENG	GRAVITY MAIN	01/ /73
V 274-1-56	1218 ST. S. OF 86 AVE.	KHAN CUBITT ENG	10" SANITARY SEWER	09/09/75
V 162-1-46	KING RD. E. OF MCBRIDE	KHAN CUBITT ENG.	8" SANITARY SEWER	04/10/74
V3580	GLADWIN & CAPILANO BTW OLD RIVERSIDE	KHANGURA ENGINEERING	WATER MAIN	04/08/88
V 912-1-8	4768 - 248 ST. LANGLEY	LABISH, M O	DRIVEWAY 30"	06/26/79
V 913-1-8	4768 --248 ST. LANGLEY	LABISH, M O	DRIVEWAY 42"	06/26/79
V 951	3338 - 272 ST. LANGLEY	LANGLEY	2" WATER SER. XING-6" TP	07/26/79
V1161	6000 BL GLOVER RD.	LANGLEY	6" WATER X 8" TR	06/08/80
V1171	272 ST. & 288 AVE	LANGLEY	STORM DRAIN OVER 6"	10/30/80

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V1172	4054 208 ST.	LANGLEY	WATER SERVICE	07/03/80
V1179	5800 BLK GLOVER RD FORMAL MTH APPROVAL NOT REQ	LANGLEY	6" WATER MAIN XING	07/03/80
V1308	5950 GLOVER RD.	LANGLEY	FIRE HYDRANT 8"	10/19/80
V1328	4126 208 ST	LANGLEY	WTR. SERVICE 8"	10/29/80
V1354.1.18	200 ST & 88TH AVE	LANGLEY	ROADWORK 30"	04/21/81
V1355.1.18	200 ST. & 88 AVE	LANGLEY	CURBS & GUTTERS 30"	
V1489	4346 208 ST	LANGLEY	WATER SERVICE 8"	06/13/81
V1491	4332 208 ST	LANGLEY	WATERMAIN 8"	06/13/81
V1624.1.17	213 ST S & 96 AVE	LANGLEY	ROADWORK 30"	10/22/81
V1671.1.17	208 ST & 96 AVE	LANGLEY	ROADWORK	12/15/81
V1762	GLOVER & EASTLEIGH	LANGLEY	HYDRANT	
V1792	4158 208TH ST	LANGLEY	WATER SERVICE 12 MTP	05/26/82
V1907	272 ST 32 AVE	LANGLEY	SIDEWALKS GUT	
V1908	272 ST 32 AVE	LANGLEY	SEWER	
V1956	272 ST & 43 AVE	LANGLEY	ROADWORK	08/04/83
V1957	272 ST & 43 AVE	LANGLEY	CONCRETE CULVERT	08/04/83
V1958	272 ST & 43 AVE	LANGLEY	CONCRETE CULVERT	04/06/83
V1959	272 ST & 43 AVE	LANGLEY	ROADWORK	08/04/83
V1960	272 ST & 43 AVE	LANGLEY	ROADWORK	08/04/83
V1998	272 ST SOUTH OF 32 AVE	LANGLEY	BRIDGE 6"	09/14/83
V2030-1-8	238TH STR. @ 58TH AVE.	LANGLEY	CONC. SLAB - ROAD CROSSING	01/13/84
V2037-1-31	N. OF 68 AVE, E OF 197B STR.	LANGLEY	STORM SEWER	10/06/83
V2038-1-31	N. OF 68 AVE, E OF 197B STR.	LANGLEY	SWALE	10/06/83
V2039	272 ST FR SWANSON DITCH TO 34 AVE	LANGLEY	STORM SEW	06/14/84
V2042	272 ST - SWANSON DITCH TO 34 AVE	LANGLEY	CURB & GUTTER	08/16/83
V2043	272 ST - SWANSON DITCH TO 34 AVE	LANGLEY	SIDEWALK	08/27/83
V2044	272 ST - SWANSON DITCH TO 34 AVE	LANGLEY	PAVING	08/27/83
V2065	208 ST & 52 AVE	LANGLEY	ROAD CONST	10/06/83
V3357	4600 BLK 208	LANGLEY	SIDEWALK & CURB	09/09/86
V3358	4600 BLK 208	LANGLEY	ELEC CONDUIT	09/03/86
V3359	4600 BLK 208	LANGLEY	PAVE RD	09/03/86
V3409-1-13	GLOVER RD & RAWLINSON	LANGLEY	12" WATER	01/04/88
V3410-1-13	GLOVER RD & RAWLINSON	LANGLEY	30" WATER	01/04/88
V3487	64TH 70TH ON 264 ST	LANGLEY	RD CONST	
V3488	264 ST & TELEGRAPH TR	LANGLEY	CULVERT	
V3489	7000 BLK - 264 ST	LANGLEY	CULVERT	
V3490	72 AVE 264 ST	LANGLEY	CULVERT	
V3491	72 AVE 264 ST	LANGLEY	CULVERT	
V3508	72 AVE. 264 ST STN 7&69	LANGLEY	CULVERT	08/26/87
V3190	4730 208 S	LANGLEY DISTRICT	WATER LINE	07/31/85
V 252-1-8	S. OF 50 AVE W. OF 246A ST.	LANGLEY MUNICIPALITY	CULVERT INSTALLATION	03/15/76
V 548	272 ST. & 32 AVE	LANGLEY MUNICIPALITY	10" WATER	02/08/77

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V 651	40 AVE. & 206 A ST., LANGLEY	LANGLEY MUNICIPALITY	WATER MAIN	02/14/78
V 794-1-9	12" MTP CROSSING 56 AVE. 400' + E. OF 232 ST.	LANGLEY MUNICIPALITY	ROAD RECONSTRUCTION	
V 795-1-9	30" MTP CROSSING 56 AVE. 40' + E. OF 232 ST.	LANGLEY MUNICIPALITY	ROAD RECONSTRUCTION	
V 796-1-8A	42" MTP CROSSING 56 AVE 400' + E. OF 238 ST.	LANGLEY MUNICIPALITY	ROAD RECONSTRUCTION	
V 797-1-9	56 AVE E. OF 232 ST.	LANGLEY MUNICIPALITY	36" CULVERT	08/13/79
V 834-1-30	ON 200 ST. S. OF 68	LANGLEY MUNICIPALITY	WATER MAIN	05/11/79
V 835-1-30	203 ST. N. OF 66 AVE	LANGLEY MUNICIPALITY	WATER MAIN	03/06/79
V 889	3448 272 ST. N. OF 34 AVE. LANGLEY	LANGLEY MUNICIPALITY	WATER SERVICE-6" TP	05/09/79
V 890	3480-272 ST. LANG. D.M.	LANGLEY MUNICIPALITY	WATER SERVICE-6" TP	05/09/79
V 891	3508 - 272 ST. LANG. D.M.	LANGLEY MUNICIPALITY	WATER SERVICE-6" TP	
V 892	3520 - 272 ST. LANG. D.M.	LANGLEY MUNICIPALITY	WATER SERVICE-6" TP	05/08/79
V 893	3556 - 272 ST. LANG. D.M.	LANGLEY MUNICIPALITY	WATER SERVICE-6" TP	05/07/79
V 894	3580 - 272 ST. LANG. D.M.	LANGLEY MUNICIPALITY	WATER SERVICE-6" TP	05/07/79
V 895	3598 - 272 ST. LANG. D.M.	LANGLEY MUNICIPALITY	WATER SERVICE-6" TP	05/07/79
V3411-1-13	88 AVE & TRATTLE	LANGLEY MUNICIPALITY	12" WATER	05/11/87
V3412-1-13	88 AVE & TRATTLE	LANGLEY MUNICIPALITY	30" WATER	05/11/87
V3590-1-10	64 AVE E OF 232 ST	LANGLEY MUNICIPALITY	STORM SEWER 30"	
V3591-1-10	64 AVE E OF 232 ST	LANGLEY MUNICIPALITY	STORM SEWER 12"	
V3616-1-11	72 AVE E OF 232 ST	LANGLEY MUNICIPALITY	WATER 12"	
V3617-1-11	72 AVE E OF 232 ST	LANGLEY MUNICIPALITY	WATER 30"	
V 654-1-18	204 ST. S. OF 96 AVE, LANG.	LANGLEY MUNICIPALITY (W C & T)	TRUNK SEWER	07/24/78
V 655-1-30	203 ST. N. OF 66 AVE., LANG	LANGLEY MUNICIPALITY (W C & T)	TRUNK SEWER	06/23/78
V 830-1-30	66 E. OF 200 ST. 200 ST. & 86 AVE.	LANGLEY MUNICIPALITY C/O W C & T	WATER MAIN	03/15/79
V 386-1-19	200 ST. S. OF 96	LANGLEY MUNICIPALITY C/O W.C. & T.	WATER MAIN	01/19/
V 927-1-7	256 ST. N. OF 44 AVE. LANG	LANGLEY SCHOOL DIST #35	FILL OVER R/W - 30"	07/27/79
V 928-1-7	256 ST. N. OF 44 AVE. LANG	LANGLEY SCHOOL DIST #35	FILL OVER R/W - 42"	07/27/79
V1933-1-7	256 ST & ROBERTSON CR LANGLEY	LANGLEY SCHOOL DIST #35	FILL OVER 30"	02/28/83
V1934-1-7	256 ST & ROBERTSON CR LANGLEY	LANGLEY SCHOOL DIST #35	FILL OVER 42"	02/28/83
V2963-1-7	4452 - 256 ST LANG	LANGLEY SCHOOL DIST #35	PLAYING FIELD DRAINAGE 4" PVC & BIG O	08/10/84
V2964-1-7		LANGLEY SCHOOL DIST #35	PLAYING FIELD DRAINAGE 4" PVC & BIG O	08/10/84
V 933-1-18	204 ST @ 9500 BL.	LANGLEY TOWNSHIP WILLIS, CUNLIFFE	300 MM STORM SEWER-30"	08/21/79
V 934-1-18	204 ST @ 9500 BL.	LANGLEY TOWNSHIP WILLIS, CUNLIFFE	200MM WTR MAIN - 30" (585)	
V 948-1-18	204 ST. S OF 96 AVENUE (SEE V933 AND V934)	LANGLEY TOWNSHIP WILLIS, CUNLIFFE		
V 210	208 ST., DOUGLAS TO FRASER HWY	LANGLEY, CITY OF	D) STORM SEWER	
V 210	208 ST., DOUGLAS TO FRASER HWY	LANGLEY, CITY OF	A) ROAD	09/23/74
V 210	208 ST., DOUGLAS TO FRASER HWY	LANGLEY, CITY OF	C) SIDEWALK	

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V 210	208 ST., DOUGLAS TO FRASER HWY	LANGLEY, CITY OF	B) CURBS	
V 478	EASTLEIGH CRESCENT	LANGLEY, CITY OF		06/22/77
V 479	56 AVENUE	LANGLEY, CITY OF	STORM SEWER SYSTEM	07/13/77
V 480	EASTMENT S. OF 56 AVENUE	LANGLEY, CITY OF	CROSSING 8" 275 TRUNK	
V 481	LANE S. OF FRASER HIGHWAY	LANGLEY, CITY OF		08/24/77
V 482	100' W. OF NICOMEKL	LANGLEY, CITY OF		07/18/77
V 528	EASTLEIGH CRESCENT	LANGLEY, CITY OF	ROAD	11/17/77
V 529	EASTLEIGH CRESCENT	LANGLEY, CITY OF	CURB	
V 549	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	STN 2 & 88	09/16/77
V 550	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	STN 4 & 60	09/16/77
V 551	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	STN 5 & 45	09/16/77
V 552	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	CATCH BASIN LEADS STN 8 & 25	09/16/77
V 553	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	STN 8 & 78	09/16/77
V 554	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	STN 9 & 42	09/16/77
V 555	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	STN 10 & 100	09/16/77
V 556	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	STN 10 & 20	09/16/77
V 557	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	11 & 55	09/16/77
V 558	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF	12 & 75	09/16/77
V 559	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF		09/16/77
V 560	EASTLEIGH FROM GLOVER RD TO 56 AVE & 1 ON 208 ST S OF 56 AVE	LANGLEY, CITY OF		09/19/77
V 573	EASTLEIGH CRES. 585' EAST OF GLOVER ROAD	LANGLEY, CITY OF	SANITARY SEWER	09/22/77
V 574	EASTLEIGH CR. 863' E. OF GLOVER ROAD	LANGLEY, CITY OF	STREET LIGHTING CONDUIT	09/22/77
V 595	208 ST. S. OF DOUGLAS CR.	LANGLEY, CITY OF	STREET LIGHTING CONDUITS	10/06/77
V 596	208 ST. S. OF DOUGLAS CR.	LANGLEY, CITY OF	STREET LIGHTING CONDUITS	10/06/77
V 597	208 ST. S. OF DOUGLAS CR.	LANGLEY, CITY OF	STREET LIGHTING CONDUITS	10/06/77
V 600	5300 BLK. 208 ST	LANGLEY, CITY OF	STORM SEWER	11/17/77
V 626	208 ST. & 56 AVE. LANGLEY	LANGLEY, CITY OF	8" WATER (CANCELLED - NOT REQUIRED)	
V 627	208 ST. & 56 AVE. LANGLEY	LANGLEY, CITY OF	24" STORM SEWER	04/18/78
V 647	208 ST. & 56 AVE. LANGLEY	LANGLEY, CITY OF	STORM SEWER	04/19/78
V 670	56 AVE & 208 ST	LANGLEY, CITY OF	ROAD CONSTRUCTION	09/29/78
V 692	GLOVER & EASTLEIGH CR.	LANGLEY, CITY OF	STORM SEWER	06/08/78
V 704	LOT 49 EASTLEIGH CR. & 56 AVE	LANGLEY, CITY OF	SANITARY SEWER SERVICE	06/19/78

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V 715	56 AVE W. OF 208 ST.	LANGLEY, CITY OF	8" STORM SEWER	
V 750	ON 56 AVE FROM EASTLEIGH CR. TO EAST OF 208 STREET	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	08/16/78
V 751	ON 56 AVE FROM EASTLEIGH CR. TO EAST OF 208 STREET	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	08/16/78
V 752	ON 56 AVE FROM EASTLEIGH CR. TO EAST OF 208 STREET	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	08/16/78
V 753	ON 56 AVE FROM EASTLEIGH CR. TO EAST OF 208 STREET	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	08/16/78
V 754	ON 56 AVE FROM EASTLEIGH CR. TO EAST OF 208 STREET	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	08/16/78
V 755	ON 208 ST. FROM FRASER HWAY N. TO 56 AVE.	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	09/09/78
V 756	ON 208 ST. FROM FRASER HWAY N. TO 56 AVE.	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	09/09/78
V 757	ON 208 ST. FROM FRASER HWAY N. TO 56 AVE.	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	09/09/78
V 758	ON 208 ST. FROM FRASER HWAY N. TO 56 AVE.	LANGLEY, CITY OF	U/G STREET LIGHTING CONDUITS	09/09/78
V 888	208TH ST 50A & 51 AVE	LANGLEY, CITY OF	ROAD WORK	
V1023-719-B-2	48 AVENUE & 208 STREET	LANGLEY, CITY OF	STREET LIGHT DUCTS	10/05/79
V1024-719-B-2	48 AVENUE & 208 STREET	LANGLEY, CITY OF	STREET LIGHT DUCTS	10/03/79
V3199	51B AVE & 208 ST.	LANGLEY, CITY OF	WATER MAIN	03/26/87
V3307	5950 GLOVER RD	LANGLEY, CITY OF	WATER SERVICE	06/03/86
V3308	208 ST @ GRADE CRS	LANGLEY, CITY OF	ROADWORK	09/30/86
V3362	4600 BLK 2085	LANGLEY, CITY OF	STREET LIGHTING	09/03/86
V 648	56 AVE & 208 ST., LANGLEY	LANGLEY, CITY OF C/O AESL	SANITARY SEWER	04/07/78
V 569	208 STREET SOUTH OF 48 AVE.	LANGLEY, CITY OF C/O THOMSON, STREIT	STORM SEWER	10/25/77
V 570	208 STREET NORTH OF GRADE CR.	LANGLEY, CITY OF C/O THOMSON, STREIT	STREET LIGHTING CONDUIT	
V 216-1-28 29	216 ST. N. OF 56 AVE	LANGLEY, CORP OF	ROAD RECONSTRUCTION	10/15/74
V 257	272 ST. & 64 AVE	LANGLEY, CORP OF	EFFLUENT PIPELINE	07/06/
V 258-1-7	272 ST. N. OF 40 AVE	LANGLEY, CORP OF	EFFLUENT PIPELINE	08/25/
V 447	272 ST. @ L/N FRASER HWY	LANGLEY, CORP OF	6" WATER	03/09/77
V 563-1-14	88 AVE BETWEEN GAY & TRATTLE	LANGLEY, CORP OF	WATER MAIN XING 12" T/L	
V 564-1-4	88 AVE. BETWEEN GAY AND TRATTLE	LANGLEY, CORP OF	WATER MAIN CROSSING 30" T/L	12/01/77
V 565-1-15	WRIGHT STREET NORTH OF ST. ANDREWS	LANGLEY, CORP OF	WATER MAIN	11/28/77
V 566	96 AVE. BETWEEN TRATTLE AND MARR	LANGLEY, CORP OF	WATER MAIN	12/05/77
V 567	TRATTLE STREET SOUTH OF SAILES	LANGLEY, CORP OF	WATER MAIN	12/05/77
V 571-1-18	200 STREET SOUTH OF 96 AVE.	LANGLEY, CORP OF	STORM SEWER	11/10/77
V 737	3232 - 272 ST.	LANGLEY, CORP OF	SANITARY SEWER	07/10/78
V 738	3280 - 272 ST.	LANGLEY, CORP OF	SANITARY SEWER	07/10/78
V 739	3300 272 ST.	LANGLEY, CORP OF	SANITARY SEWER	07/10/78

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V 840-1-7	272 ST. N. OF 40 AVE	LANGLEY, CORP OF	ROAD RECONSTRUCTION 30"	03/07/79
V 841-1-7	272 ST. N. OF 40 AVE	LANGLEY, CORP OF	ROAD RECONSTRUCTION 42"	03/07/79
V 842-1-7	272 ST. N. OF 40 AVE	LANGLEY, CORP OF	ROAD RECONSTRUCTION OVER 4" TRUNK	03/07/79
V2903-1-30	203 ST, N OF 66 AVE	LANGLEY, CORP OF	ROAD RECONSTRUCTION	03/26/87
V2973-1-17	210 ST, S OF 95A AVE	LANGLEY, CORP OF	CULVERT EXT	
V3007	40TH AVE & 204 ST.	LANGLEY, CORP OF	SERVICE XING	10/24/84
V3082	40TH AVE & 207 ST.	LANGLEY, CORP OF	SERVICE CONNECTION	03/21/85
V3192	208 ST @ 46 AVE	LANGLEY, CORP OF	STORM DRAIN	
V3193	208 ST 44 AVE TO 46	LANGLEY, CORP OF	SIDEWALK	10/09/85
V3194	44 AVE TO 48 AVE	LANGLEY, CORP OF	ROADWORK	10/09/85
V3209	2746-272 ST	LANGLEY, CORP OF	WATER CONNECTION	10/28/85
V3212-1-30	66 AVE AT 203	LANGLEY, CORP OF	STORM SEWER	06/10/85
V3213-1-30	66 AVE AT 203	LANGLEY, CORP OF	SIDEWALK	06/10/85
V3214-1-33	203 ST AT 66 AVE	LANGLEY, CORP OF	STORM SEWER	06/10/85
V3215-1-33	203 ST AT 66 AVE	LANGLEY, CORP OF	SIDEWALK	06/10/85
V 332	272 ST. & BERTRAND CR.	LANGLEY, CORP OF (WILLIS, CUNLIFFE)	TRUNK SEWER	
V 932	200 ST. S OF 96 AVE. LANG.	LANGLEY, CORP OF (WILLIS, CUNLIFFE)	SEWER OVER 30" MTP LINE	07/20/79
V3630	264 ST 72 AVE - 80 AVE LANGLEY	LANGLEY, TOWNSHIP OF	ROADWORK	
V 886-1-65	VANTAGE WAY - 7691 DELTA	LANSDOWNE EQUIPMENT	DRIVEWAY - 24" TRANS	07/11/79
V3240-1-82	1995 BEDWELL BAY RD.	LEE, D	DRIVEWAY	01/28/86
V3465-1-39A	14608-87A AVE.	LEFEBURE, A	FILL & RETAINING WALL	
V 256-1-41	132 ST. & 88 AVENUE	LETSON & BURPEE	STRIPPING OPERATION	05/29/
V 279-1-41	132 ST. & 88 AVE	LETSON & BURPEE	DRIVEWAY, PARKING LOT, CONCRETE PADS	09/18/76
V 261-1-41	S. OF 88 - W. OF 132 ST.	LETSON & BURPEE (DOM. CONST.)	WATER & SANITARY SEWER	
V 269-1-88	22725 SELKIRK	LEWIS CONSTRUCTION LTD	CULVERT EXT. (FORMAL APPLIC TO DOTC NOT	
V 130-1-12 13	RAWLISON E. OF GLOVER	LYNCH, R A	DRAINAGE DITCH	08/02/73
V2977-1-12	EAST OF GLOVER RD N OF RAWLISON	LYNCH, R A	4 - 100MM BIG "O"	08/13/84
V2986-1-12	E OF GLOVER, N OF RAWLINSON	LYNCH, R A	4 - 100MM BIG "O"	08/13/84
V 415	EASTLEIGH N. OF 56	M & W VENTURES	HYDRO/TEL DUCT	12/09/76
V1182	GLOVER RD @ MUFFORD	N OF H	2" RPVC CONDUIT	07/08/80
V3008	#99A K.G. HWY W. 126A ST.	N.T. HWYS	MAIN EXTENTION	
V3009	#1A FRASER HWY	N.T. HWYS	MAIN EXTENTION	
V3438-1-19	9463-193A ST.	MAC CHAIN CO. LTD.	PAVING	06/08/87
V1817.1.82	S. OF BNR, SWENSON GATE	MACLEOD, GEORGE	TEMP ROAD	06/09/82
V1020-1-100	1651 KINGSWAY PT COQUITLAM	MACRO DIVISION OF KENNAMETAL	36" CULVERT 12" MTP	
V1194.1.100	KINGSWAY BET BROADWAY & LARSEN	MACRO DIVISION OF KENNAMETAL	2" WATER LINE	09/03/80
V 105-1-84	MCDONALD CEDAR PRODUCTS LTD. FORT LANGLEY	MACWHINNEY BROS. SPRINKLERS	8" D.I. WATER	05/07/73
V 292-1-64 65	W. & S. FROM TASKER ROAD	MANNING, L	TEMPORARY RD. CROSSINGS	
V1117.1.87	RIVER RD. 200M E BURNETT	MAPLE RIDGE	300 MM WATER MAIN	05/21/80
V1270.1.88	119 AVE E OF 227 ST	MAPLE RIDGE	WATER MAIN 12"	10/17/80

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V1298	RIVER RD & MCKAY	MAPLE RIDGE	WATER MAIN 6"	09/30/81
V1407	236 ST. & RIVER RD.	MAPLE RIDGE	WATERMAIN 11/4"	05/12/81
V1450	100 AVE & 256 ST.	MAPLE RIDGE	CULVERT 6"	07/10/81
V1614	100 AVE. WEST OF 272	MAPLE RIDGE	STORM SEWER 6"	11/10/81
V1615	100 AVE. WEST OF 272	MAPLE RIDGE	STORM SEWER 6"	11/10/81
V1616	100 AVE. WEST OF 272	MAPLE RIDGE	STORM SEWER 6"	11/10/81
V1617	100 AVE. WEST OF 272	MAPLE RIDGE	STORM SEWER 6"	11/10/81
V1618	100 AVE. WEST OF 272	MAPLE RIDGE	STORM SEWER 6"	10/26/81
V1620	100 AVE W OF 272	MAPLE RIDGE	ROADWORK 6"	12/29/81
V1622	100 AVE W OF 272	MAPLE RIDGE	ROADWORK 6"	12/29/81
V1628	DT E OF GARIBALDI	MAPLE RIDGE	CULVERT 4"	12/07/81
V1695.1.91	21779 D. T.	MAPLE RIDGE		01/18/82
V1897	INDUSTRIAL & 102 AVE	MAPLE RIDGE	CULVERT	
V1917	98 AVE 264 ST	MAPLE RIDGE	CULVERT	
V1918	100 AVE 264 ST.	MAPLE RIDGE	CULVERT	
V1938	9876 264 ST	MAPLE RIDGE	STORM SEWER	
V1939	9842 264 ST	MAPLE RIDGE	STORM SEWER	
V1972	LOUGHEED & 240 ST	MAPLE RIDGE	WATERMAINS	03/26/84
V1973	LOUGHEED & 240 ST	MAPLE RIDGE	WATERMAINS	03/26/84
V2891-1-89	12200 BLK. 224 ST.	MAPLE RIDGE	SANITARY SEWER	01/17/84
V2892-1-87	BURNETT N. OF HANEY BY-PASS	MAPLE RIDGE	WATER 12"	12/16/85
V3064-1-90	YORK ST. N OF DEWDNEY TR.	MAPLE RIDGE	STORM SEWER	09/29/85
V 116-1-92 93	LAITY ST. N. OF D.T. ROAD	MAPLE RIDGE DISTRICT	WATER MAIN	07/04/73
V 695	MCKAY & FISHERMAN	MAPLE RIDGE DISTRICT	8" D.I. WATER MAIN/4" TR. P.	09/26/78
V 696	MCKAY & FISHERMAN	MAPLE RIDGE DISTRICT	8" D.I. WATER MAIN/6" TR. P.	08/30/78
V 697	MCKAY E. OF FISHERMAN	MAPLE RIDGE DISTRICT	8" D.I. WATER MAIN/HYDRANT	09/28/78
V 698	MCKAY AT RIVER RD.	MAPLE RIDGE DISTRICT	14" D.I. WATER	09/25/78
V 805	23352 MCKAY	MAPLE RIDGE DISTRICT	3/4" WATER SERVICE CROSSINGS	
V 806	23370 MCKAY	MAPLE RIDGE DISTRICT	3/4" WATER SERVICE CROSSINGS	
V 807	23370 MCKAY	MAPLE RIDGE DISTRICT	6" WATER SERV/FIRE CONNECTOR	
V 808	RIVER N. OF MCKAY	MAPLE RIDGE DISTRICT	8" WATER SERV/FIRE CONNECTOR	
V3047-1-94	E OF 203, N OF DEWDNEY TRUNK	MAPLE RIDGE DISTRICT	DITCH	01/29/85
V3074	ROTHSAY ST.	MAPLE RIDGE DISTRICT	ROADWORK	05/07/85
V3075	ROTHSAY ST TO GARIBALDI ST	MAPLE RIDGE DISTRICT	ROADWORK	05/07/85
V3116	236 ST @ RIVER RD	MAPLE RIDGE DISTRICT	SANITARY SEWER	04/15/86
V3117	MCKAY AVE S OF RIVER RD	MAPLE RIDGE DISTRICT	SANITARY SEWER	07/20/85
V3118	FISHERMAN RD @ MCKAY	MAPLE RIDGE DISTRICT	SANITARY SEWER	06/06/85
V3119	RIVER RD W OF MCKAY	MAPLE RIDGE DISTRICT	SANITARY SEWER	06/03/85
V3120	RIVER RD @ MCKAY	MAPLE RIDGE DISTRICT	SANITARY SEWER	09/24/85
V3121	FISHERMANS RD (LATERALS)	MAPLE RIDGE DISTRICT	SANITARY SEWER	08/21/85
V3122	MCKAY AVE (LATERALS)	MAPLE RIDGE DISTRICT	SANITARY SEWER	09/21/85
V3123	MCKAY @ ALBION STN	MAPLE RIDGE DISTRICT	SANITARY SEWER	07/12/85
V3124	236TH ST (LATERALS)	MAPLE RIDGE DISTRICT	SANITARY SEWER	04/15/86
V3125-1-85	MCKAY AT ALBION STN	MAPLE RIDGE DISTRICT	SANITARY SEWER	07/13/85
V3142-1-85	FISHERMAN RD, E OF MCKAY	MAPLE RIDGE DISTRICT	DRAINAGE CULVERT	03/03/86
V3225	103 AVE E OF 260 ST	MAPLE RIDGE DISTRICT	ROADWORK	11/13/85
V3226	103 AVE E OF 260 ST	MAPLE RIDGE DISTRICT	CONCRETE CULVERT	11/07/85

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V3268	RIVER RD - TAMARACH LN TO 240	MAPLE RIDGE DISTRICT	ROADWORK	06/ /86
V3269-1-85	MCKAY ROAD	MAPLE RIDGE DISTRICT	ROADWORK 12"	06/ /86
V3284-1-88	LOUGHEED HWY E OF 227 ST.	MAPLE RIDGE DISTRICT	300MM WATERMAIN	08/14/86
V3309	NEC 100 AVE & 248 ST.	MAPLE RIDGE DISTRICT	CULVERT XING	09/24/86
V3310	NEC 100 AVE & 248 ST.	MAPLE RIDGE DISTRICT	CULVERT XING.	09/24/86
V3311	NEC 100 AVE & 248 ST.	MAPLE RIDGE DISTRICT	CULVERT XING.	09/24/86
V3312	NEC 100 AVE & 248 ST.	MAPLE RIDGE DISTRICT	CULVERT XING.	09/24/86
V3313	NEC 100 AVE & 248 ST.	MAPLE RIDGE DISTRICT	CULVERT XING.	09/24/86
V3314	NEC 100 AVE & 248 ST.	MAPLE RIDGE DISTRICT	CULVERT XING.	09/24/86
V3315	NEC 100 AVE & 248 ST.	MAPLE RIDGE DISTRICT	CULVERT XING.	09/24/86
V3316	100 AVE 248 ST TO 256 ST.	MAPLE RIDGE DISTRICT	ROADWORK	09/24/86
V3317	100 AVE 248 ST TO 256 ST.	MAPLE RIDGE DISTRICT	SERVICE XINGS	09/24/86
V3393	268 ST BTWN 98TH & 100TH	MAPLE RIDGE DISTRICT	STORM SEWER	
V3396	268 ST 98 AVE 100 AVE	MAPLE RIDGE DISTRICT		04/10/87
V3397	268 ST 98 AVE 100 AVE	MAPLE RIDGE DISTRICT		04/10/87
V3398	268 ST 98 AVE 100 AVE	MAPLE RIDGE DISTRICT		04/10/87
V3407-1-90	221 ST. N OF DENDNEY TR.	MAPLE RIDGE DISTRICT	150MMO WATER	06/25/87
V3429	268 ST. BTWN 98 & 100 AVE	MAPLE RIDGE DISTRICT	STORM SEWER & RD WORK X REFER V3393,96,9	04/10/87
V3430	268 ST. BTWN 98 & 100 AVE	MAPLE RIDGE DISTRICT	STORM SEWER & RD WORK X REFER V3393,96,9	
V3452	240 ST & RIVER RD	MAPLE RIDGE DISTRICT	WATERMAIN XING	07/14/87
V3586	100 AVE 256 ST TO 262 ST M.R.	MAPLE RIDGE DISTRICT	ROADWORK	06/21/88
V3587	100 AVE 256 ST TO 262 ST M.R.	MAPLE RIDGE DISTRICT	CULVERT STA. 9&00	
V3588	100 AVE 256 ST TO 262 ST M.R.	MAPLE RIDGE DISTRICT	CULVERT STA. 1&03	
V3589	MCKAY AVE (OPPOSITE ALBION COMPOUND) MR	MAPLE RIDGE DISTRICT	500MM CULVERT X-ING	
V2939-1-88	22730 - 119 ST. N RDG.	MAPLE RIDGE LANES	PAVED PARKING LOT	06/11/84
V 15-1-88	SELKIRK E. OF 227 ST.	MAPLE RIDGE MUNICIPALITY	SEWER	03/26/71
V 23	240 ST. AT 102 AVE	MAPLE RIDGE MUNICIPALITY	6" D.I. WATER MAIN	
V 32-1-88	119 AVE. E. OF 227 ST.	MAPLE RIDGE MUNICIPALITY	6" SANITARY SEWER	09/17/
V 45-1-89 90	224 ST. S. OF 124 AVE	MAPLE RIDGE MUNICIPALITY	STORM DRAIN	12/03/71
V 143-1-91	220 ST. N. OF D.T. ROAD	MAPLE RIDGE MUNICIPALITY	STORM SEWER, CURB & GUTTER	11/05/73
V 169-1-89	220 ST. S. OF 122 AVE	MAPLE RIDGE MUNICIPALITY	B) CURBS	
V 169-1-89	220 ST. S. OF 122 AVE	MAPLE RIDGE MUNICIPALITY	A) STORM	
V 169-1-89	220 ST. S. OF 122 AVE	MAPLE RIDGE MUNICIPALITY	C) SIDEWALK	
V 169-1-89	220 ST. S. OF 122 AVE	MAPLE RIDGE MUNICIPALITY	D) ROAD	03/19/74
V 188-1-93	210 ST. N. OF WICKLUND	MAPLE RIDGE MUNICIPALITY	B) CURBS	
V 188-1-93	210 ST. N. OF WICKLUND	MAPLE RIDGE MUNICIPALITY	F) 8" WATER MAIN	
V 188-1-93	210 ST. N. OF WICKLUND	MAPLE RIDGE MUNICIPALITY	D) SEWERS	07/19/74
V 188-1-93	210 ST. N. OF WICKLUND	MAPLE RIDGE MUNICIPALITY	A) ROAD	
V 188-1-93	210 ST. N. OF WICKLUND	MAPLE RIDGE MUNICIPALITY	E) 10" SANITARY	07/11/74
V 188-1-93	210 ST. N. OF WICKLUND	MAPLE RIDGE MUNICIPALITY	C) SIDEWALK	
V 585-1-85	MCKAY EAST OF FISHERMAN	MAPLE RIDGE MUNICIPALITY	8" WATER MAIN	08/30/78
V3367	256 ST S. OF. 98 AVE M.R.	MAPLE RIDGE MUNICIPALITY	CULVERT CROSSING	09/11/86
V3368	256 ST S. OF. 98 AVE M.R.	MAPLE RIDGE MUNICIPALITY	ROADWORK	09/24/86
V3521-1-92	GLENWOOD SCHOOL N RIDGE	MAPLE RIDGE SCHOOL DIST #42	PARKING LOT, GRAVEL	

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CROSSINGS OF PIPELINE SYSTEM BY OTHERS

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V 71-1-89	CME SUBDIV., ERIC LANGTON SCHOOL W. OF 227 ST.	MAPLE RIDGE, CORP OF	6" SANITARY SEWER	10/10/72
V 157-1-85	RIVER & MCKAY	MAPLE RIDGE, CORP OF	12" STORM CULVERT	
V 186-1-93 94	208 ST. W. OF D.T. ROAD	MAPLE RIDGE, CORP OF	8" SANITARY	09/25/74
V 620-1-88	SELKIRK & 227 ST.	MAPLE RIDGE, CORP OF	21" STORM SEWER	01/27/78
V 700	MCKAY E. OF FISHERMAN	MAPLE RIDGE, CORP OF	HYDRANT	10/02/78
V 701	MCKAY E. OF FISHERMAN	MAPLE RIDGE, CORP OF	WATER SERVICE XINGS	10/10/78
V2908	DEWDNEY TRUNK W OF 272 ST.	MAPLE RIDGE, CORP OF	STORM SEWER	03/21/84
V3150	RIVER RD	MAPLE RIDGE, CORP OF	STORM DRAINS	04/15/86
V3151	23552 RIVER RD (L-805)	MAPLE RIDGE, CORP OF	STORM DRAINS	06/03/85
V3152	240TH ST & RIVER RD	MAPLE RIDGE, CORP OF	STORM DRAINS	04/15/86
V3153	23398 FISHERMANS RD	MAPLE RIDGE, CORP OF	STORM DRAINS	02/28/86
V1012-1-86	RIVER RD & KANAKA CREEK	MAPLE RIDGE, CORP OF - DAYTON AND KNIGHT	SEWER XING 12" MTP 1350 MM	09/22/79
V1013-1-86	RIVER RD AND KANAKA CREEK	MAPLE RIDGE, CORP OF - DAYTON AND KNIGHT	ACCESS ROAD 12" MTP	09/22/79
V3485-1-89	12138 EDGE ST. MAPLE RIDGE	MAPLE RIDGE-PITT MEADOWS SCHOOL DISTRICT	LOT GRADING	07/29/87
V3629-1-89	12139 EDGE ST NR	MAPLE RIDGE-PITT MEADOWS SCHOOL DISTRICT	BROAD JUMP PIT	05/06/88
V 640-1-76	LEEDER AVE	MARATHON REAL. C/O AESL	24" STORM SEWER	01/26/78
V 641-1-76	LEEDER AVE. EXT.	MARATHON REAL. C/O AESL	8" WATER	02/21/78
V 642-1-76	LEEDER AVE. EXT.	MARATHON REAL. C/O AESL	STREET LIGHTING	
V 643-1-76	LEEDER AVE. EXT.	MARATHON REAL. C/O AESL	CURBS	
V 644-1-76	LEEDER AVE. EXT.	MARATHON REAL. C/O AESL	ROAD	
V 645-1-76	LEEDER AVE. EXT.	MARATHON REAL. C/O AESL	SIDEWALKS	
V 646-1-76	LEEDER AVE. EXT.	MARATHON REAL. C/O AESL	RAMP CROSSING	
V 823-1-76	MAYFAIR INDUSTRIAL PARK BRAID & LEEDER	MARATHON REAL. C/O JECKWAY LANDSCAPING	42" IRRIGATION CROSSINGS-PVC	03/30/79
V 824-1-76	MAYFAIR INDUSTRIAL PARK BRAID & LEEDER	MARATHON REAL. C/O JECKWAY LANDSCAPING	42" IRRIGATION CROSSINGS-PVC	03/30/79
V 825-1-76	MAYFAIR INDUSTRIAL PARK BRAID & LEEDER	MARATHON REAL. C/O JECKWAY LANDSCAPING		03/30/79
V 826-1-76	MAYFAIR INDUSTRIAL PARK BRAID & LEEDER	MARATHON REAL. C/O JECKWAY LANDSCAPING		03/30/79
V 806-1-76	MAYFAIR IND. PARK, BRAID ST.	MARATHON REAL. DWGS BY AESL	ROAD	
V 607-1-76	MAYFAIR IND. PARK, BRAID ST.	MARATHON REAL. DWGS BY AESL	CONCRETE CURBS	
V 608-1-76	MAYFAIR IND. PARK, BRAID ST.	MARATHON REAL. DWGS BY AESL	CONCRETE SIDEWALK	
V 609-1-76	MAYFAIR IND. PARK, BRAID ST.	MARATHON REAL. DWGS BY AESL	24" STORM SEWER (CONCRETE)	01/12/78
V 610-1-76	MAYFAIR IND. PARK, BRAID ST.	MARATHON REAL. DWGS BY AESL	18" SANITARY SEWER (AC)	12/14/77
V 611-1-76	MAYFAIR IND. PARK, BRAID ST.	MARATHON REAL. DWGS BY AESL	24" WATER (STEEL)	02/27/78
V 612-1-76	MAYFAIR IND. PARK, BRAID ST.	MARATHON REAL. DWGS BY AESL	11/4" ST. LT. DUCT N. SIDE (PVC)	
V 613-1-76	MAYFAIR IND. PARK, BRAID ST.	MARATHON REAL. DWGS BY AESL	11/4" ST. LT. DUCT S. SIDE (PVC)	
V 282-1-8	A & B E. OF 240 ST., S. OF 52 AVE	MARKAN ENTERPRISES	ROAD CONSTRUCTION	10/10/75

BC HYDRO AND POWER AUTHORITY
FRASER VALLEY GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V 395-1-72	BETWEEN LOTS 3 & 4 WESTMINSTER MASSOT NURSERIES HWY, RICHMOND		A) WATER	11/ /76
V 395-1-72	BETWEEN LOTS 3 & 4 WESTMINSTER MASSOT NURSERIES HWY, RICHMOND		B) ROAD	11/ /76
V 396-1-72	BETWEEN LOTS 5 & 6 WESTMINSTER MASSOT NURSERIES HWY, RICHMOND		ROAD	11/ /76
V1133	GLADWIN N OF PEARDONVIL	MATSQUI	42" STORM SEWER XING	07/21/80
V1319.1.3	GLADWIN R, S OF KING SEE V1331	MATSQUI	6" WTR MAIN 30"	11/12/80
V1320.1.3	GLADWIN R, S OF KING SEE V1331	MATSQUI	6" WTR MAIN 42"	11/12/80
V1321.1.3	KING RD W OF GLADWIN SEE V1331	MATSQUI	6" WTR MAIN 30"	11/12/80
V1322.1.3	KING RD W OF GLADWIN SEE V1331	MATSQUI	6" WTR MAIN 42"	11/12/80
V1331	KING RD. W OF GLADWIN SEE V1319-V1322	MATSQUI	6" WTR 12"	
V1530	GLADWIN R S OF BEVAN	MATSQUI	ROADWORK 12"	08/11/81
V1531	GLADWIN R S OF BEVAN LOT 47	MATSQUI	8" STORM SEWER 12"	08/11/81
V1532	GLADWIN R S OF BEVAN LOT 512	MATSQUI	8" STORM SEWER 12"	08/11/81
V1533	GLADWIN R S OF BEVAN LOT 2	MATSQUI	8" STORM SEWER 12"	08/11/81
V1550.1.5	FR. HWY E OF BRADNER	MATSQUI	10" WATERMAIN 30"	11/17/81
V1551.1.5	FR. HWY E OF BRADNER	MATSQUI	10" WATERMAIN 42"	11/17/81
V1623	MACLURE & GLADWIN	MATSQUI	WATER 6"	
V1721	GLADWIN & S FRASER WAY	MATSQUI	TRAFFIC SIGNAL 8"	03/10/82
V1760.1.4	MT. LEHMAN TO QUEENS	MATSQUI	STORM SEWER 30"	05/05/83
V1774.1.4	QUEEN ST & MARSHALL	MATSQUI	WATERMAIN 42"	08/10/82
V1775.1.4	QUEEN ST & MARSHALL	MATSQUI	WATERMAIN 30"	08/10/82
V1785.1.4	MT. LEHMAN TO QUEEN	MATSQUI	STORM SEWER 42"	05/05/83
V1858	GLADWIN & MCCLURE (S)	MATSQUI	CATCH BASIN LEAD	07/27/82
V1859	GLADWIN S OF CAPILANO	MATSQUI	CATCH BASIN LEAD	09/13/82
V1860	GLADWIN N OF CAPILANO	MATSQUI	CATCH BASIN LEAD	
V1862	SOUTH SIDE MCCLURE	MATSQUI	ST. LIGHT	08/03/82
V1863	NORTH SIDE MCCLURE	MATSQUI	ST. LIGHT	08/03/82
V1864	GLADWIN & 500 N OF NELSON	MATSQUI	ROADWORK	08/03/82
V1865	GLADWIN N OF NELSON	MATSQUI	ROADWORK	08/03/82
V1898	GLADWIN RD	MATSQUI	ROADWORK	12/09/82
V1899	GLADWIN RD	MATSQUI	STORM SEWER	11/09/82
V1900	GLADWIN RD	MATSQUI	STORM SEWER	11/09/82
V1901	GLADWIN RD	MATSQUI	STORM SEWER	11/09/82
V1902	GLADWIN RD	MATSQUI	WATER SERVICE	11/09/82
V 746-1-4	SIMPSON RD. EXTENSION	MATSQUI DISTRICT	24" SANITARY SEWER (30" T/L)	04/10/79
V 749-1-4	EAST OF ROSS RD.	MATSQUI DISTRICT	24" SANITARY SEWER (42" T/L)	04/10/79
V 959-1-5	ROSS RD. S OF SUNVALLEY	MATSQUI DISTRICT	ROADWORK XING 42" MTP	
V 960-1-5	ROSS RD. S OF SUNVALLEY	MATSQUI DISTRICT	ROADWORK XING 30" MTP	
V 961-1-5	SUNVALLEY CR. W OF ROSS ROAD	MATSQUI DISTRICT	ROADWORK XING 42" MTP	
V 962-1-5	SUNVALLEY CR. W OF ROSS ROAD	MATSQUI DISTRICT	ROADWORK XING 30" MTP	
V 963-1-5	DUNCAN AVENUE W OF ROSS RD	MATSQUI DISTRICT	ROADWORK XING 42" MTP	
V 964-1-5	DUNCAN AVENUE W OF ROSS RD	MATSQUI DISTRICT	ROADWORK XING 30" MTP	
V2055	DOWNES RD, E OF GLADWIN	MATSQUI DISTRICT	REPLACE 36" CONCRETE CULVERT	08/17/83
V3234-1-4	MT LEHMAN RD	MATSQUI DISTRICT	30" WATER LINE	12/12/85

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CROSSINGS OF PIPELINE SYSTEM BY OTHERS

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V3235-1-4 V3341	N OF MARSHALL RD. GLADWIN RD - GATEFIELD TO DOWNES	MATSQUI DISTRICT MATSQUI DISTRICT	42" WATER LINE STORM SEWER	12/12/85 09/12/85
V3564 V 91-1-5 V 650	EMERSON & PEARDONVILLE 29500 BLK. SUNVALLEY CR. GLADWIN S. OF S. FRASER WAY	MATSQUI DISTRICT MATSQUI MUNICIPALITY MATSQUI MUNICIPALITY	TRAFFIC SIGNAL DUCT DRIVEWAY & WATER SERVICE SANITARY SEWER	03/09/82 02/28/78
V3203-1-6 V3204-1-6 V3434-1-3 V3435-1-3 V 108-1-4	BRADNER ROAD BRADNER ROAD MARSHALL RD. DIVERSION MARSHALL RD. DIVERSION PEARDONVILLE JUST N. OF MARSHALL, MATSQUI	MATSQUI MUNICIPALITY MATSQUI MUNICIPALITY MATSQUI MUNICIPALITY MATSQUI MUNICIPALITY MATSQUI, CORP OF	30" WATERMAIN 42" WATERMAIN WATERMAIN 30" WATERMAIN 42" 8" DUCT IRON WATER MAIN	09/18/85 09/18/85 10/07/87 10/07/87 07/13/73
V 213-1-4 V 541	TOWNLINE S. OF MARSHALL 400' S. OF PEARDONVILLE & EMERSON	MATSQUI, CORP OF MATSQUI, CORP OF	16" WATER MAIN STORM SEWER	11/15/74 10/05/77
V 543	INTERSECTION OF PEARDONVILLE & EMERSON RDS.	MATSQUI, CORP OF	STORM SEWER	09/28/
V 599 V 765-1-4 V 766-1-4 V 767-1-4 V 768-1-4 V 769-1-4 V 770-1-4 V 861-1-5 V 862-1-5 V 863-1-5 V 864-1-5 V 865-1-5 V 866-1-5 V 899-1-5 V 900-1-5 V 939	EMERSON S. OF PEARDONVILLE ROSS RD.S. OF SUN VALLEY ROSS RD.S. OF SUN VALLEY SUN VALLEY W. OF ROSS SUN VALLEY W. OF ROSS DUNCAN AVE. W. OF ROSS DUNCAN AVE. W. OF ROSS 29460 DUNCAN AVE. MATSQUI 29460 DUNCAN AVE. MATSQUI 29472 DUNCAN AVE. MATSQUI 29472 DUNCAN AVE. MATSQUI 29555 SUNVALLEY CR. MATSQUI 29555 SUNVALLEY CR. MATSQUI DUNCAN AVE W. OF ROSS, MATSQ. DUNCAN AVE W. OF ROSS, MATSQ. SEC PEARDONVILLE & EMERSON MATSQUI	MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF	12" STORM SEWER SERVICE 30" 42" 30" 42" 30" 42" SAN. SEWER OVER 30" MTP SAN. SEWER OVER 42" MTP SAN. SEWER OVER 30" MTP SAN. SEWER OVER 42" MTP SAN. SEWER OVER 30" MTP SAN. SEWER OVER 42" MTP 8" WATERMAIN XING 30" 8" WATERMAIN XING 42" ST. SEWER XING-12" TP	11/08/78 11/08/78 11/16/78 11/16/78 03/13/79 03/13/79 07/16/79 07/16/79 07/12/79 07/12/79 06/07/79 06/07/79 08/07/79
V 940	PEARDONVILLE BETWEEN EMERSON AND GLADWIN	MATSQUI, CORP OF	ST SEWER XING 12" TP	08/07/79
V 941 V2943 V2965 V2966	PEARDONVILLE & EMERSON HIGHLAND AVE & GLADWIN RD INTERSECTION GLADWIN & ROSSLAND	MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF	ROAD RECONSTRUCTION WATERMAIN XING U/G DUCT U/G DUCT	07/19/84 08/09/84 08/09/84
V2969 V2970 V2971 V2972 V1732 V2031-1-21	ON GLADWIN AT GATEFIELD ON GLADWIN AT HARWOOD ON GLADWIN S OF HARWOOD ON GLADWIN AT HIGHLAND HOPCOTT & R.R. 17914 - 96 AVE SURREY	MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF MATSQUI, CORP OF MATSUSHITA, DAN MCCAIB	200MM STORM SEWER 200MM S. SEWER 200MM S. SEWER 200MM S. SEWER FENCE & SHRUBS 4" BIG O"	10/10/84 10/01/84 10/01/84 10/30/84

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CROSSINGS OF PIPELINE SYSTEM BY OTHERS

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V1207.1.5	3144 BRADNER RD.	MCDONALD, L	6" DRAIN TILE 30" MTP	07/29/81
V1208.1.5	3144 BRADNER RD.	MCDONALD, L	6" DRAIN TILE 42" MTP	07/29/81
V1368.1.17	212B ST S OF 96 AVE	MCELHANNEY SURV & ENG	ST. LIGHT	
V 26 (A)	12 AVE. W. OF 56 ST.	MCELHANNEY SURV & ENG.	STREET LIGHTING	
V 26 (B)	12 AVE. NWC 56 ST.	MCELHANNEY SURV & ENG.	STREET LIGHTING	
V 26 (C)	12 AVE. NEC 56 ST.	MCELHANNEY SURV & ENG.	STREET LIGHTING	
V 26 (D)	12 AVE. E. OF 56 ST.	MCELHANNEY SURV & ENG.	STREET LIGHTING	
V 41	56 ST. AT 18 AVE.	MCELHANNEY SURV & ENG.	SANITARY SEWER	
V 79-1-7	W. OF 272, N. OF 40 AVE	MCELHANNEY SURV & ENG.	ELECTRICAL CABLE	12/18/72
V1200	152 ST & 64 AVE	MCELHANNEY SURV & ENG.	250 MM WATER 8: TP	09/23/80
V1201	152 ST & 62A AVE	MCELHANNEY SURV & ENG.	250 MM WATER 8: TP	09/23/80
V1202	152 ST & 60 AVE	MCELHANNEY SURV & ENG.	250 MM WATER 8: TP	
V1203	152 ST & 60 AVE	MCELHANNEY SURV & ENG.	ASPHALT WIDENING	
V1288.1.17	210 ST. S OF 96 AVE	MCELHANNEY SURV & ENG.	STORM 30"	10/01/80
V1289.1.17	210 ST. S OF 96 AVE	MCELHANNEY SURV & ENG.	SANITARY 30"	10/01/80
V1290.1.17	210 ST. S OF 96 AVE	MCELHANNEY SURV & ENG.	ROAD & DITCHES 30"	
V1291.1.50	140 ST S OF 104 AVE	MCELHANNEY SURV & ENG.	ROADWORK 23"	
V1292.1.50	140 ST S OF 104 AVE	MCELHANNEY SURV & ENG.	SIDEWALK 24"	10/03/80
V1293.1.50	140 ST S OF 104 AVE	MCELHANNEY SURV & ENG.	DRIVEWAY 24"	10/03/80
V1294.1.50	140 ST S OF 104 AVE	MCELHANNEY SURV & ENG.	REMOVAL OF CULVERTS	10/03/80
V1367.1.17	212B ST S OF 96 AVE	MCELHANNEY SURV & ENG.	WATERMAIN	03/24/81
V1369.1.17	212B ST S OF 96 AVE	MCELHANNEY SURV & ENG.	ROADWORK	02/25/81
V1370.1.17	212B ST S OF 96 AVE	MCELHANNEY SURV & ENG.	SIDEWALK	06/24/81
V1375.1.17	212B S S OF 96 AVE	MCELHANNEY SURV & ENG.	ST. LIGHT	04/21/81
V1376.1.17	212B S S OF 96 AVE	MCELHANNEY SURV & ENG.	SEWER	03/06/81
V1377.1.17	212B S S OF 96 AVE	MCELHANNEY SURV & ENG.	SEWER	03/06/81
V1378.1.17	212B S S OF 96 AVE	MCELHANNEY SURV & ENG.	WALKWAY	06/24/81
V1397.1.17	210 ST S OF 96 AVE	MCELHANNEY SURV & ENG.	WATERMAIN 30"	
V1439.1.17	210 ST & 96 AVE	MCELHANNEY SURV & ENG.	WATER 30"	09/29/83
V1440.1.17	210 ST & 96 AVE	MCELHANNEY SURV & ENG.	SEWER 30"	09/27/83
V1441.1.17	210 ST & 96 AVE	MCELHANNEY SURV & ENG.	SEWER 30"	09/28/83
V1512.1.17	210 ST & 96 AVE	MCELHANNEY SURV & ENG.	CONC SLBS 30"	09/27/83
V1513.1.17	210 ST & 96 AVE	MCELHANNEY SURV & ENG.	STREET LIGHTING 30"	09/30/83
V1514.1.17	210 ST & 96 AVE	MCELHANNEY SURV & ENG.	LOT GRADING 30"	10/03/83
V1515.1.17	210 ST & 96 AVE	MCELHANNEY SURV & ENG.	ROAD 30"	10/03/83
V1562.1.17	209A & 95A AVE	MCELHANNEY SURV & ENG.	GRADING 30"	
V1567	208 ST E 42 AVE	MCELHANNEY SURV & ENG.	WATER 8"	11/02/81
V1848.1.41	132 ST & 88TH AVE	MCELHANNEY SURV & ENG.	ROAD IMPROVEMENT	10/26/82
V1849.1.41	132 ST & 88TH AVE	MCELHANNEY SURV & ENG.	RELOCATE CATCH BASIN	11/18/82
V2018-1-67	68 AVE 140 TO 144 ST	MCELHANNEY SURV & ENG.	DRIVEWAYS	10/25/83
V2019	68 AVE 140 TO 144 ST	MCELHANNEY SURV & ENG.	WATER SERVICES	10/25/83
V2020	68 AVE 140 TO 144 ST	MCELHANNEY SURV & ENG.	SAN SEWERS SERVICES	10/25/83
V2021	68 AVE 140 TO 144 ST	MCELHANNEY SURV & ENG.	WATER MAIN	10/28/83
V2022	68 AVE 140 TO 144 ST	MCELHANNEY SURV & ENG.	STORM SEWER	10/28/83
V2023	68 AVE 140 TO 144 ST	MCELHANNEY SURV & ENG.	SANITARY SEWER	10/21/83
V3175	14129-68 TH AVE	MCELHANNEY SURV & ENG.	200MM STORM SEWER	07/29/
V3286	68 AVE - 140 ST TO 144 ST	MCELHANNEY SURV & ENG.	STORM SEWER	09/03/86

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V3287	88 AVE - 140 ST TO 144 ST	MCELHANNEY SURV & ENG.	STORM SEWER	09/09/86
V3288	88 AVE - 140 ST TO 144 ST	MCELHANNEY SURV & ENG.	STORM SEWER	09/09/86
V3289	88 AVE - 140 ST TO 144 ST	MCELHANNEY SURV & ENG.	STORM SEWER	09/09/86
V3290	88 AVE - 140 ST TO 144 ST	MCELHANNEY SURV & ENG.	STORM SEWER	
V3383-1-17	213 ST S OF 96	MCELHANNEY SURV & ENG.	ROADWORK	01/04/88
V3384-1-17	213 ST S OF 96	MCELHANNEY SURV & ENG.	STREET LIGHTING	
V3385-1-17	210 ST S OF 96	MCELHANNEY SURV & ENG.	ROADWORK	04/01/88
V3386-1-17	210 ST S OF 96	MCELHANNEY SURV & ENG.	STREET LIGHTING	11/17/86
V3431-1-54	NORTHWEST OF SNOWDON PLACE	MCELHANNEY SURV & ENG.	DRAINAGE SWALE	
V3445	152 ST & #10 HWY	MCELHANNEY SURV & ENG.	200MM O PVC W/NC	03/17/87
V3474-1-40	88 & 140 ST.	MCELHANNEY SURV & ENG.	300MM WATER	08/18/87
V3475-1-40	88 & 140 ST.	MCELHANNEY SURV & ENG.	300MM STORM	08/11/87
V3477-1-40	88 & 140 ST.	MCELHANNEY SURV & ENG.	ROAD	09/01/87
V3478-1-40	88 & 140 ST.	MCELHANNEY SURV & ENG.	150MM SANITARY	11/08/87
V3479-1-40	88 & 140TH ST.	MCELHANNEY SURV & ENG.	250MM STORM.	08/11/87
V3480-1-40	88 & 140TH ST.	MCELHANNEY SURV & ENG.	150MM WATER	08/10/87
V3481-1-40	88 & 140TH ST.	MCELHANNEY SURV & ENG.	ROAD	09/01/87
V3482-1-40	88 & 140TH ST.	MCELHANNEY SURV & ENG.	STREET LIGHTING	09/09/87
V3483-1-40	88 & 140TH ST.	MCELHANNEY SURV & ENG.	LOT GRADING.	08/20/87
V3510	68TH AVE 140TH	MCELHANNEY SURV & ENG.	STORM SEWER	07/27/87
V3511	68TH AVE 142ND ST	MCELHANNEY SURV & ENG.	SANITARY SEWER	07/27/87
V3513-1-40	88 AVE & 140 ST	MCELHANNEY SURV & ENG.	SANITARY 200MM	08/13/87
V3575-1-23	161 ST, S OF 96 AVE	MCELHANNEY SURV & ENG.	ROAD (WITH SLABS)	
V3576-1-23	161 ST, S OF 96 AVE	MCELHANNEY SURV & ENG.	STORM SEWER	
V3577-1-23	161 ST, S OF 96 AVE	MCELHANNEY SURV & ENG.	SANITARY	
V3578-1-23	161 ST, S OF 96 AVE	MCELHANNEY SURV & ENG.	WATER	
V3579-1-23	161 ST, S OF 96 AVE	MCELHANNEY SURV & ENG.	ST. LIGHTING	
V3632-1-18	204 ST - 94B AVE	MCELHANNEY SURV & ENG.	RD WIDENING	06/22/88
V3633-1-18	204 ST - 94B AVE	MCELHANNEY SURV & ENG.	STREET LIGHTING	06/22/88
V3649	60 AVE BTW 180 ST & 192 ST	MCELHANNEY SURV & ENG.	RD WORK	
V3650	168 ST BTW 64 & 68	MCELHANNEY SURV & ENG.	RD WORK	
V3651	80 AVE BTW 120 & 122	MCELHANNEY SURV & ENG.	RD WORK	
V 311-1-40	S. OF 88 & E. OF KING GEORGE	MCELHANNEY SURV. & ENG.	10" STORM SEWER & ROAD WORKS	
V 504-1-73	S. OF RICHMOND GATE STN	METRO GAS CROSSING	20" & 24" WTP WITH 20" T.P.	08/16/
V 89-1-38 39	86 AVE. E. OF 150 ST.	MILLER ENGINEERING	SANITARY SEWER	01/24/73
V1112	GLOVER R. & #10	MINISTER OF TRANSPORT & HIGHWAYS	2 CULVERT INST	04/21/80
V1185	GLOVER RD & LANGLEY BYP	MINISTER OF TRANSPORT & HIGHWAYS	2" RPVC	07/03/80
V1186	GLOVER RD & LANGLEY BYP	MINISTER OF TRANSPORT & HIGHWAYS	2" RPVC	07/03/80
V1187	GLOVER RD & LANGLEY BYP	MINISTER OF TRANSPORT & HIGHWAYS	2" RPVC	07/03/80
V1188	GLOVER RD & LANGLEY BYP	MINISTER OF TRANSPORT & HIGHWAYS	2" RPVC	07/03/80
V1337.1.82	W OF 104 S OF RIVER	MINISTER OF TRANSPORT & HIGHWAYS	TEMP BRIDGE 24"	10/27/80

BC HYDRO AND POWER AUTHORITY
FRASER VALLEY GAS DIVISION
CROSSINGS OF PIPELINE SYSTEM BY OTHERS

FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V1816.1-76	LOUGHEED & COLONY FARM	MINISTER OF TRANSPORT & HIGHWAYS	ROADWORK 20 MTP	08/25/82
V1955	272 ST & FRASER HWY	MINISTER OF TRANSPORT & HIGHWAYS	SIGNAL LIGHTS	
V2013-1-77	CAPE HORN RD. COQ.	MINISTER OF TRANSPORT & HIGHWAYS	ROAD WIDENING	08/11/83
V2014-1-77	CAPE HORN RD. COQ.	MINISTER OF TRANSPORT & HIGHWAYS	8" SAN. SEWER	08/11/83
V2904-1-103	LOUGHEED HWY & COMO LAKE RD.	MINISTER OF TRANSPORT & HIGHWAYS	DUCT 12"	04/28/87
V3053-1-60A	E OF BNR R/R DELTA	MINISTER OF TRANSPORT & HIGHWAYS	TEST HOLES	
V3054-1-56B	109B ST & BROOKE RD. DELTA	MINISTER OF TRANSPORT & HIGHWAYS	TEST HOLES	
V3055-1-56B	W OF SHEPHERD WAY, DELTA	MINISTER OF TRANSPORT & HIGHWAYS	TEST HOLES	
V3135-1-60A	ANNACIS HWY BRIDGE SITE, DELTA	MINISTER OF TRANSPORT & HIGHWAYS	BRIDGE STRUCTURE 36" (BRIDGE BRANCH)	01/ /85
V3136-1-60A	ANNACIS HWY BRIDGE SITE, DELTA	MINISTER OF TRANSPORT & HIGHWAYS	BRIDGE STRUCTURE 24" (BRIDGE BRANCH)	01/ /85
V3137-1-60A	ANNACIS HWY BRIDGE SITE, DELTA	MINISTER OF TRANSPORT & HIGHWAYS	4-3" RPVC DUCTS 36" (BRIDGE BRANCH)	01/ /85
V3138-1-60A	ANNACIS HWY BRIDGE SITE, DELTA	MINISTER OF TRANSPORT & HIGHWAYS	4-3" RPVC DUCTS 24" (BRIDGE BRANCH)	01/ /85
V3207-1-62	W OF DELTA STN.	MINISTER OF TRANSPORT & HIGHWAYS	24" DITCH	09/04/85
V3208-1-62	W OF DELTA STN.	MINISTER OF TRANSPORT & HIGHWAYS	36" DITCH	09/04/85
V3216-1-60	N OF 84 AVE DELTA	MINISTER OF TRANSPORT & HIGHWAYS	88 AVE CONNECTER HWY	09/30/85
V3217-1-60	N OF 84 AVE DELTA	MINISTER OF TRANSPORT & HIGHWAYS	88 AVE CONNECTER HWY	09/30/85
V3218-1-60A	EAST OF 3N RAILWAY DELTA	MINISTER OF TRANSPORT & HIGHWAYS	88 AVE CONNECTER HWY	09/30/85
V3219-1-60A	EAST OF 3N RAILWAY DELTA	MINISTER OF TRANSPORT & HIGHWAYS	88 AVE CONNECTER HWY	09/30/85
V3221-1-98	N. HILL BYPASS W OF TRENTON GATE	MINISTER OF TRANSPORT & HIGHWAYS	FILL & PV'T	10/24/85
V3232-1-76	HWYS #1 TO UNITED CONNECTION RD	MINISTER OF TRANSPORT & HIGHWAYS	ROADWAY DITCHES	01/08/86
V3233-1-76	HWYS #1 TO UNITED CONNECTION RD	MINISTER OF TRANSPORT & HIGHWAYS	SETTLEMENT PLATES	01/08/86
V3243-1-71	R/W W OF NELSON GATE	MINISTER OF TRANSPORT & HIGHWAYS	TEMP EQUIP X-ING	04/28/87
V3244-1-71	R/W W OF NELSON GATE	MINISTER OF TRANSPORT & HIGHWAYS	TEMP EQUIP X-ING	04/28/87
V3246-1-56B	BROOKE RD S OF 88 AVE HWY CON, DEL	MINISTER OF TRANSPORT & HIGHWAYS	450 PVC STM XING 36WP	05/08/86

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V3247-1-60	84 AVE CONNECTOR DELTA	MINISTER OF TRANSPORT & HIGHWAYS	375 PVC STM XING 24HP	06/09/86
V3248-1-60	84 AVE CONNECTOR DELTA	MINISTER OF TRANSPORT & HIGHWAYS	375 PVC STM XING 36HP	06/09/86
V3249-1-62	RIVER ROAD CONNECTOR WEST OF DELTA VAWESTA	MINISTER OF TRANSPORT & HIGHWAYS	ROADWAY XING 24"	
V3250-1-62	RIVER ROAD CONNECTOR WEST OF DELTA VAWESTA	MINISTER OF TRANSPORT & HIGHWAYS	ROADWAY XING 36	
V3251-1-62	RIVER ROAD CONNECTOR WEST OF DELTA VAWESTA	MINISTER OF TRANSPORT & HIGHWAYS	300 STM XING 24	
V3252-1-67	RIVER ROAD CONNECTOR WEST OF DELTA VAWESTA	MINISTER OF TRANSPORT & HIGHWAYS	300 STM XING 36	
V3253-1-62	RIVER ROAD CONNECTOR WEST OF DELTA VAWESTA	MINISTER OF TRANSPORT & HIGHWAYS	50MM RPVC XING 24	02/25/86
V3254-1-62	RIVER ROAD CONNECTOR WEST OF DELTA VAWESTA	MINISTER OF TRANSPORT & HIGHWAYS	50MM RPVC XING 36	02/25/86
V3255-1-62	RIVER ROAD CONNECTOR WEST OF DELTA VAWESTA	MINISTER OF TRANSPORT & HIGHWAYS	300MM H2O XING 24	06/02/86
V3256-1-62	RIVER ROAD CONNECTOR WEST OF DELTA VAWESTA	MINISTER OF TRANSPORT & HIGHWAYS	300MM H2O XING 36	06/02/86
V3293-1-76	HWY #1 & E OF CAPE HORN. COQ	MINISTER OF TRANSPORT & HIGHWAYS	STREET LIGHTING	03/10/86
V3331-1-00	L'HEED HWY HANEY	MINISTER OF TRANSPORT & HIGHWAYS	27" STM	01/12/87
V3333-1-88	L'HEED HWY HANEY	MINISTER OF TRANSPORT & HIGHWAYS	11/2" RPVC S.LTG	01/12/87
V3334-1-88	L'HEED HWY HANEY	MINISTER OF TRANSPORT & HIGHWAYS	11/2" RPVC S.LTG	01/12/87
V3336-1-88	L'HEED HWY HANEY	MINISTER OF TRANSPORT & HIGHWAYS	12" STM	10/14/86
V3381-1-72	NO. 8 RD, RICHMOND	MINISTER OF TRANSPORT & HIGHWAYS	20" ROAD-UPGRADE	09/30/86
V3382-1-72	NO. 8 RD, RICHMOND	MINISTER OF TRANSPORT & HIGHWAYS	24" ROAD-UPGRADE	09/30/86
V3415-1-60A	N OF BNR IN N. DELTA	MINISTER OF TRANSPORT & HIGHWAYS	STORM CULVERT 24" 85"	11/20/86
V3416-1-60A	W OF NORDEL HWY N. DELTA	MINISTER OF TRANSPORT & HIGHWAYS	DRAIN SWALE 24 & 36	11/20/86
V3440-1-76	NORDEL WAY 112-116 ST DELTA	MINISTER OF TRANSPORT & HIGHWAYS	M. HILL-HWY 1 & DITCHES WEST OF RAMP	
V3563-1-44	OLD YALE RD SURREY	MINISTER OF TRANSPORT & HIGHWAYS	CULVERT	01/24/88
V3044-1-60A	ANNACIS HWY X-ING 36 MTP	MINISTER OF TRANSPORT & HWYS DILLINGHAM	EQUIP X-ING/PILE DRIV.	03/20/85
V3045-1-60A	ANNACIS HWY X-ING 24 MTP	MINISTER OF TRANSPORT & HWYS DILLINGHAM	EQUIP X-ING/PILE DRIV.	03/20/85
V1093	6TH AVE. & CEDAR	MISSION	12" WATER MAIN 8"TP	08/18/80

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V1094	7TH AVE. & CEDAR	MISSION	12" WATER MAIN 8" TP	08/18/80
V1098	CEDAR ST. & 1ST AVE.	MISSION	6" WATER 8" TP	
V1132	CEDAR ST. & LOUGHEED	MISSION	DITCH 8" TP	
V1190	LONDON AVE E OF BEA	MISSION	12" CULVERT 6: TP	
V1279	4TH AVE & CEDAR ST.	MISSION	WATERMAIN 8"	11/27/80
V1282	32810 - 6 AVE	MISSION	WATER SERV 8"	09/08/80
V1283	32818 - 6 AVE	MISSION	WATER SERV 8"	09/08/80
V1284	32828 - 6 AVE	MISSION	WATER SERV 8"	09/08/80
V1285	32846 - 6 AVE	MISSION	WATER SERV 8"	09/08/80
V1286	32854 - 6 AVE	MISSION	WATER SERV 8"	09/08/80
V1287	32864 - 6 AVE	MISSION	WATER SERV 8"	09/08/80
V1335	7 AVE & CEDAR ST	MISSION	RD RECONN 8"	06/25/82
V1404	CEDAR & LOUGHEED	MISSION	SAN SEWER 8"	03/09/81
V1409	CEDAR ST. & LANE N OF 1ST	MISSION	SAN SEWER 8"	03/25/81
V1414	6 AVE W OF ALDER	MISSION	SEWER 8"	03/09/81
V1696	BEATTY DRIVE	MISSION	CULVERT TP	
V1697	CEDAR & 7TH AVE	MISSION	STORM DRAIN TP	04/16/82
V1720	7TH AND E. CEDAR	MISSION	TRAFFIC SIGNAL 8"	06/07/82
V1724	7 AVE & CEDAR	MISSION	TRAFFIC SIGNAL 8 TP	06/07/82
V1733	BEATTY AVE	MISSION	SAN SEWER	05/13/82
V1734	BEATTY AVE	MISSION	WATER	03/23/82
V1735	BEATTY AVE	MISSION	DRIVEWAY	05/13/82
V1736	BEATTY AVE	MISSION	DRIVEWAY	05/13/82
V1770	HAYWARD & ANDERSON	MISSION	CULVERT TP	10/20/82
V1841	7 AVE & CEDAR ST.	MISSION	CURBS & RAMP TP	08/26/82
V2010	CEDAR N OF 7 AVE	MISSION	ROADWORK	09/08/83
V2011	CEDAR N OF 7 AVE	MISSION	CURBS & GUTTERS	08/05/83
V1057	CEDAR VALLEY N OF 7 AVE	MISSION DISTRICT	8" WATER 8" TRUNK	02/13/80
V1058	CEDAR VALLEY N OF 7 AVE	MISSION DISTRICT	18" WATER 8" TRUNK	02/13/80
V3048	CEDAR ST. NTH OF LOUGHEED	MISSION DISTRICT	SANITARY SEWER	
V3073	COMMERCIAL S. OF LONDON AVE	MISSION DISTRICT	WATERMAIN	03/19/85
V3340	CEDAR ST BTW 1ST & 2ND	MISSION DISTRICT	WATER SERVICE	08/26/86
V3404-1-35	7947-167A STN. SURREY	WITCHUK, MR.	SPRINKLER SYSTEM	06/01/88
V3441-1-51	13926-100 AVE SURREY	MOHAMMED, H	GRAVEL DRIVEWAY	
V3442-1-51	13926-100 AVE SURREY	MOHAMMED, H	WATER	07/27/87
V3443-1-51	13926-100 AVE SURREY	MOHAMMED, H	SANITARY	07/27/87
V 265-1-39(A&B	146 ST. S. OF 88 AVE ROAD D W.	MPT ENGINEERING	STREET LIGHTING	06/18/75
V3201-1-29	8205 GLOVER RD.	MUFFORD, J	DRAINAGE PIPE	08/06/85
V 811-1-85	VANTAGE WAY - 7930 TILBURY AREA	M. MITCHELL LUMBER CO.	TEMPORARY ROAD CROSSING	
V 27-1-24 25	152 ST. S. OF 96TH AVE.	N.D. LEA & ASSOCIATES	STORM SEWER	
V1811	BOUNDARY BAY AIRPORT	N.D. LEA & ASSOCIATES	CULVRT 8	05/28/82
V1812	BOUNDARY BAY AIRPORT	N.D. LEA & ASSOCIATES	DRIVEWAY 8	05/28/82
V1224.1.66	76 ST N OF VANTAGE WAY	NAIRN, D	DRIVEWAY 12"	

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V1225.1.66	76 ST N OF VANTAGE WAY	MAIRN, D	10" CON ST SEW 12"	12/18/80
V1226.1.66	76 ST N OF VANTAGE WAY	MAIRN, D	6" WATER MAIN 12"	12/18/80
V1227.1.65	N OF VANTAGE WAY OF 76 300' E	MAIRN, D	8" CON ST SEW 24"	
V1228.1.65	N OF VANTAGE WAY OF 76 300' E	MAIRN, D	6" WATER MAIN 24"	
V1229.1.65	N OF VANTAGE WAY 600' E OF 76	MAIRN, D	8" CON ST SEW 24"	
V1230.1.65	N OF VANTAGE WAY 600' E OF 76	MAIRN, D	4" SAN SEW 24"	
V1231.1.65	N OF VANTAGE WAY 300' E OF 76	MAIRN, D	DRIVEWAY 24"	
V1232.1.65	N OF VANTAGE WAY 600' E OF 76	MAIRN, D	DRIVEWAY 24"	
V 281-1-77	FT. OF AUSTIN RD. - COQ.	WAROD CONSTRUCTION	TEMPORARY ROAD CROSSING	
V 460-1-14	89B AVE BETWEEN TRATTLE & GAY STS., FORT LANGLEY	NEILSON, MRS.S.E. C/O THOMSON SURVEYS	ROAD	
V 461-1-14	89B AVE BETWEEN TRATTLE & GAY STS., FORT LANGLEY	NEILSON, MRS.S.E. C/O THOMSON SURVEYS	CURB	
V 462-1-14	89B AVE BETWEEN TRATTLE & GAY STS., FORT LANGLEY	NEILSON, MRS.S.E. C/O THOMSON SURVEYS	SIDEWALK	
V 463-1-14	89B AVE BETWEEN TRATTLE & GAY STS., FORT LANGLEY	NEILSON, MRS.S.E. C/O THOMSON SURVEYS	DITCH	
V 464-1-14	89B AVE BETWEEN TRATTLE & GAY STS., FORT LANGLEY	NEILSON, MRS.S.E. C/O THOMSON SURVEYS	WATER	09/14/77
V2944-1-9	E OF 232, S OF 82 AVE	NEUMAN, E	TEMP XING 12"	06/29/84
V2945-1-9	E OF 232, S OF 82 AVE	NEUMAN, E	TEMP. XING 30"	06/29/84
V1115.1.65	7583 VANTAGE PL.	NEVILLE WITT	2" COPPER WATER SER.	04/14/80
V1757.1.65	7830 VANTAGE WAY	NEVILLE WITT	EASEMENT	07/13/82
V1778.1.65	9530 VANTAGE	NEVILLE WITT	CROSSING 36"	07/13/82
V1800.1.65	7830 VANTAGE WAY	NEVILLE WITT	4" SAN SEWER 24	
V1801.1.65	7830 VANTAGE WAY	NEVILLE WITT	4" SAN SEWER 36	
V1802.1.65	7830 VANTAGE WAY	NEVILLE WITT	3/4 COPPER 24	
V1803.1.65	7830 VANTAGE WAY	NEVILLE WITT	3/4 COPPER 36	
V1804.1.65	7830 VANTAGE WAY	NEVILLE WITT	8" STORM SEWER 24	
V1805.1.65	7830 VANTAGE WAY	NEVILLE WITT	8" STORM SEWER 36	
V3166-1-56B	110A ST N OF 86 AVE	NICKEL BROS	MOVING HOUSE	
V 981-1-3	32716 KING ROAD, MATSQUI	NICKEL, W	DRIVEWAY 30"	09/26/79
V 982-1-3	32716 KING ROAD, MATSQUI	NICKEL, W	DRIVEWAY 42"	09/26/79
V 412-1-20	18750 96 AVE.	NORBURN MANAGEMENT. PETERBILT TRUCKS	A-OH ELEC CABLE B-ROAD C+D=1" ELECTRICAL	
V3405-1-19	9552-198 ST. LANGLEY	NORCO	PAVEMENT	04/24/87
V3647-1-97	KENNEDY RD	NORTH WEST RUBBER MATS	GRAVEL PARKING	
V3041-1-23	96 AVE. E OF 164 ST.	NORTHSIDE REFRIGERATION	FILL	04/28/87
V 83-1-59 (A)	110 ST. N. OF 84 AVE	NOVEL CONST.	ROAD	
V 83-1-59 (B)	110 ST. N. OF 84 AVE	NOVEL CONST.	STORM SEWER	
V 83-1-59 (C)	110 ST. N. OF 84 AVE	NOVEL CONST.	WATER MAIN	
V 283-1-42	W. OF 131 ST., N. OF 90 AVE	NU LAND REALTY	SEWER MAIN - WATER SERVICE	10/03/75
V 18-1-86	S. OF RIVER RD. - S. OF 236TH	NUBORD INDUSTRIES	2 PRIVATE ROAD XINGS	
V1835.1.30	206 ST S OF 66 AVE	O'BRIEN, LARRY	3/4" PVC WATER 18 MTP	
V3272-1-18	20554-95A AVE.	O'NEILL, J	LANDSCAPING 30"	06/02/86
V1837.1.65	RIVER RD * 76 AVE	OBALLA ALPI	PAVING 24 MTP	11/10/82
V1838.1.65	RIVER RD * 76 AVE	OBALLA ALPI	PAVING 36 MTP	11/10/82

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V3498-1-94	NWC 1208 AVE & 207A ST M. RIDGE	PACIFIC BUILDERS	11' WIDE ASPHALT DRIVEWAY	07/15/87
V3499-1-94	NWC 1208 AVE & 207A ST M. RIDGE	PACIFIC BUILDERS	11' WIDE ASPHALT DRIVEWAY	07/15/87
V3500-1-94	NWC 1208 AVE & 207A ST M. RIDGE	PACIFIC BUILDERS	11' WIDE ASPHALT DRIVEWAY	07/15/87
V 267-1-93	212 ST. S. OF WICKLUND	PACIFIC COAST PROPERTIES	6" WATER (ADD'1 TO V233)	
V 716	1521-56 ST.	PARK & DJWA ENG	4" SANITARY SEWER	
V 717	1521-56 ST.	PARK & DJWA ENG	6" STORM SEWER	
V1223.1.65	VANTAGE WAY E OF 76	PATRICK, D H	ROAD XING 24"	07/09/80
V1392.1.65	LT 43 VANTAGE WAY	PATRICK, D H	WATER 24"	
V1393.1.65	LT 43 VANTAGE WAY	PATRICK, D H	SAN SEWER 24"	07/15/81
V1394.1.65	LT 43 VANTAGE WAY	PATRICK, D H	STORM SEWER 24"	07/15/81
V1062-1-64	7990 VANTAGE WAY	PERMASTEEL ENGINEERING	ROADWAY	01/16/80
V1063-1-64	7990 VANTAGE WAY	PERMASTEEL ENGINEERING	ROADWAY	01/16/80
V1064-1-64	7990 VANTAGE WAY	PERMASTEEL ENGINEERING	SAN SEWER	
V1065-1-64	7990 VANTAGE WAY	PERMASTEEL ENGINEERING	WATER	
V1066-1-64	7990 VANTAGE WAY	PERMASTEEL ENGINEERING	STORM SEWER	
V1539.1.65	7880 VANTAGE WAY	PERMASTEEL ENGINEERING	WATER 24"	01/19/82
V1540.1.65	7880 VANTAGE WAY	PERMASTEEL ENGINEERING	DRIVEWAY 24"	11/24/81
V1541.1.65	7880 VANTAGE WAY	PERMASTEEL ENGINEERING	DRIVEWAY 24"	11/24/81
V1542.1.65	7880 VANTAGE WAY	PERMASTEEL ENGINEERING	SAN SEWER 24"	01/04/82
V1543.1.65	7880 VANTAGE WAY	PERMASTEEL ENGINEERING	PARKING LOT	
V 398	9565 HARVIE RD.	PETERBILT TRUCK SALES LTD.	2 10" A.C. SEWER LINES	10/08/76
V3501-1-19	194A ST. S OF 96 AVE	PETERSEN, F	TEMPXING.	08/05/87
V 140-1-39 40	88 & 144 ST.	PETOMAR DEV. PERMITS ISS. TO NPT ENG	A) LANE CONSTRUCTION	10/31/74
V 140-1-39 40	88 & 144 ST.	PETOMAR DEV. PERMITS ISS. TO NPT ENG	B) STORM SEWER	
V 141-1-39 40	88 & 144 ST. (L/E)	PETOMAR DEV. PERMITS ISS. TO NPT ENG	D) 8" SANITARY SEWER	10/09/74
V 141-1-39 40	88 & 144 ST. (L/E)	PETOMAR DEV. PERMITS ISS. TO NPT ENG	A) ROAD	
V 141-1-39 40	88 & 144 ST. (L/E)	PETOMAR DEV. PERMITS ISS. TO NPT ENG	C) 8" D.I. WATER	10/29/74
V 141-1-39 40	88 & 144 ST. (L/E)	PETOMAR DEV. PERMITS ISS. TO NPT ENG	E) 12" STORM	
V 141-1-39 40	88 & 144 ST. (L/E)	PETOMAR DEV. PERMITS ISS. TO NPT ENG	B) SIDEWALK	
V 142-1-39 40	146 ST. S. OF 88 AVE	PETOMAR DEV. PERMITS ISS. TO NPT ENG	E) 12" STORM	
V 142-1-39 40	146 ST. S. OF 88 AVE	PETOMAR DEV. PERMITS ISS. TO NPT ENG	C) 8" D.I. WATER	
V 142-1-39 40	146 ST. S. OF 88 AVE	PETOMAR DEV. PERMITS ISS. TO NPT ENG	B) SIDEWALK	
V 142-1-39 40	146 ST. S. OF 88 AVE	PETOMAR DEV. PERMITS ISS. TO NPT ENG	A) ROAD	

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V 142-1-39 40	146 ST, S. OF 88 AVE	PETOMAR DEV. PERMITS ISS. TO MPT ENG	D) 8" SANITARY	
V1101.1.95	LOUGHEED HWY. 1500 E HARRIS RD.	PHOENIX ENGINEERING	STORM SEWER 12" TP	09/25/80
V1466.1.103	COMO LAKE U LOUGHEED	PHOENIX ENGINEERING	WATER 12"	09/25/81
V1467.1.103	COMO LAKE U LOUGHEED	PHOENIX ENGINEERING	WATER 12"	08/11/81
V1528	WILTSHIRE & BRUNETTE	PHOENIX ENGINEERING	STORM SEWER 12"	
V1529	WILTSHIRE & BRUNETTE	PHOENIX ENGINEERING	SANITARY 12"	
V1563.1.100	1300 BLK KINGSWAY	PHOENIX ENGINEERING	WATER 12"	12/15/81
V1564.1.100	1300 BLK KINGSWAY	PHOENIX ENGINEERING	SEWER 12"	12/09/81
V1565.1.100	1300 BLK KINGSWAY	PHOENIX ENGINEERING	SEWER 12"	11/20/81
V1566.1.100	1300 BLK KINGSWAY	PHOENIX ENGINEERING	SEWER 12"	11/16/81
V1569.1.100	1300 BLK KINGSWAY	PHOENIX ENGINEERING	WATER 12"	12/09/81
V1582.1.100	1300 BLK KINGSWAY	PHOENIX ENGINEERING	WATER 12"	12/01/81
V1768.1.1	COMO LAKE & LOUGHEED	PHOENIX ENGINEERING	RD XING "A"	05/12/82
V1780.1.103	COMO LAKE & LOUGHEED	PHOENIX ENGINEERING	RD XING	05/12/82
V1781.1.103	COMO LAKE & LOUGHEED	PHOENIX ENGINEERING	RD XING	05/12/82
V3453-1-100	1835 KINGSWAY.	PIPE & PILING SUPPLIES	STORM CULVERT	
V3552-1-95	E OF HARRIS RD & LOUGHEED	PITT MEADOWS DISTRICT	STORM SEWER	12/02/87
V3602-1-98	KINGSWAY AVE, P COQ	PITT RIVER TIMBER	11/4" H2O SERV	
V 20-1-90	123 AVE E. OF 221 ST.	PLEASANT PACIFIC PROP.	2 DRIVEWAY XINGS, 4" SANITARY & 6" SANIT	
V1881-1-47	14311 115 AVE	POLLACK, ED	WATER	09/01/82
V1074-1-02	WILSON & SHAUGHNESSY PT COQ	PORT COQUITLAM	WATERMAIN 12" MTP	02/19/80
V1666.1.102	2229 WILSON	PORT COQUITLAM	WATER SERVICE 12"	01/20/82
V1667.1.102	2247 WILSON	PORT COQUITLAM	WATER SERVICE 12"	
V2024-1-101	KINGSWAY & WILSON, PORT COQ.	PORT COQUITLAM	ROADWORK	09/07/83
V2025-1-101	KINGSWAY & WILSON, PORT COQ.	PORT COQUITLAM	STORM SEWER	
V 42-1-100	KINGSWAY W. OF LANGAN	PORT COQUITLAM, CITY OF	WATER SERVICE	
V 167-1-100101	LOT 16 (2ND E. OF TYNER) KINGSWAY ST. - PT. COQ	PORT COQUITLAM, CITY OF	6" WATER	02/25/74
V 172	BURY ST. AT WILSON AVE	PORT COQUITLAM, CITY OF	WATER MAINS	
V 217-1-100	1161 KINGSWAY	PORT COQUITLAM, CITY OF	WATER SERVICE	10/17/74
V 242-1-102	MARPOLE & WILSON	PORT COQUITLAM, CITY OF	24" WATER	05/15/75
V 568-1-101	WILSON & KINGSWAY	PORT COQUITLAM, CITY OF	STORM SEWER	
V1893-1-102	WILSON @ SHAUGHNESSY	PORT WOODY, CITY OF	ROAD UPGRADING	11/01/82
V1894-1-102	WILSON @ SHAUGHNESSY	PORT WOODY, CITY OF	CATCH BASIN LEAD	09/06/82
V1895-1-102	WILSON @ SHAUGHNESSY	PORT WOODY, CITY OF	PVC DUCT	09/06/82
V1896-1-102	WILSON @ SHAUGHNESSY	PORT WOODY, CITY OF	PVC DUCT	09/06/82
V2016-1-81	MERIDIAN RD, EAST OF EAST RD	PORT WOODY, CITY OF	ROAD	09/14/83
V2940-1-39A	BETWEEN 146 & 148 ST. S OF 88 AVE.	PROGRESSIVE CONTR.	FILL	04/28/87
V 485-1-3	MATSQUI INSTITUTE-KING ROAD	PUBLIC WORKS CANADA	FENCE RELOCATION	
V3378-1-2	MATSQUI INSTITUTION	PUBLIC WORKS CANADA	TEMP. RD. XING	01/05/88
V3379-1-2	MATSQUI INSTITUTION	PUBLIC WORKS CANADA	TEMP. RD. XING	01/05/88
V 633	400' S. OF 8A AVE 56 ST. BTWN 6 & 8 AVENUES	QUADRANT DEVELOPMENT	STREET LIGHTING DUCT	

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FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V 634	56 ST. AT STN. 1850' N. OF 6 AVE., DELTA	QUADRANT DEVELOPMENT	STREET LIGHTING DUCT	
V 635	56 ST. AT STN. 2100' N. OF 6 AVE., DELTA	QUADRANT DEVELOPMENT	STREET LIGHTING DUCT	
V 636	56 ST. AT STN. 2300' N. OF 6 AVE., DELTA	QUADRANT DEVELOPMENT	STREET LIGHTING DUCT	
V 637	56 ST. AT STN. 2600' N. OF 6 AVE., DELTA	QUADRANT DEVELOPMENT	STREET LIGHTING DUCT	
V 638	56 ST. AT NPL 8 AVE.	QUADRANT DEVELOPMENT	STREET LIGHTING DUCT	
V 21-1-86	KANAKA CREEK W. OF 232 ST. & LOUGHEED	R.G. WALKER & CO. LTD	SEWER MAIN	
V 965-1-38	85A AVE & 150A ST SURREY	R.W. TRIFFO ENG	ROADWORK XING 18" MTP	05/02/80
V 976-1-38	84A AVE & 150A STREET	R.W. TRIFFO ENG	12" STORM XING 18" MTP	
V 977-1-38	84A AVENUE & 150A STREET	R.W. TRIFFO ENG	GRADEWORK XING 18" MTP	02/08/80
V 827-750	208 ST. AT 50 AVE	R.W. TRIFFO ENG	ROAD	
V 828-750	208 ST. AT 50 AVE	R.W. TRIFFO ENG	STORM SEWER	03/21/79
V 829-750	208 ST. AT 50 AVE	R.W. TRIFFO ENG	WATER	03/20/79
V 838	208 ST. & 51A AVE	R.W. TRIFFO ENG	SANITARY SEWER	03/29/79
V 839	208 ST. & 51A AVE	R.W. TRIFFO ENG	STORM SEWER	04/23/79
V 868	208 ST & 51A AVENUE	R.W. TRIFFO ENG	STORM SEWER OVER 8" TP	04/23/79
V 966	85A AVE & 150A ST SURREY	R.W. TRIFFO ENG	8" SAN SEWER XING 18 MTP	02/06/80
V 967	85A AVE & 150A ST SURREY	R.W. TRIFFO ENG	10" STORM DRAIN XING 18"	02/06/80
V 968	85A AVE & 150A ST SURREY	R.W. TRIFFO ENG	CURBS XING 18" MTP	05/09/80
V 969	85A AVE & 150A ST SURREY	R.W. TRIFFO ENG	ST LIGHT XING 18" MTP	
V 970	84A & 150 A STREET SURREY	R.W. TRIFFO ENG	8" WATER XING 18" MTP	
V 971	84A & 150 A STREET SURREY	R.W. TRIFFO ENG	ST. LIGHT XING 18" MTP	
V 972	84A & 150 A STREET SURREY	R.W. TRIFFO ENG	10" SAN SEWER XING 18" MTP	02/15/80
V 973	84A & 150 A STREET SURREY	R.W. TRIFFO ENG	SIDEWALK XING 18" MTP	05/14/80
V 974	84A & 150 A STREET SURREY	R.W. TRIFFO ENG	ROADWORK XING 18" MTP	12/03/79
V 975-1-38	84A AVE & 150A STREET	R.W. TRIFFO ENG	CURBS XING 18" MTP	05/14/80
V1014-1-38	152 ST & 84 AVE SURREY	R.W. TRIFFO ENG	CATCH BASIN	02/08/80
V1073-1-38	85A & 150A STREET	R.W. TRIFFO ENG	SIDEWALK 18" MTP	05/09/80
V1155.1.17	96TH AVE.E OF 210 ST.	R.W. TRIFFO ENG	STORM SEWER XING 30"	09/12/80
V1156.1.17	96TH AVE.E OF 210 ST.	R.W. TRIFFO ENG	SAN SEWER XING 30" MTP	09/12/80
V1157.1.17	96TH AVE.E OF 210 ST.	R.W. TRIFFO ENG	WATER SERV XING 30" MTP	09/16/80
V1299.1.47	CURRIE DRIVE	R.W. TRIFFO ENG	ROAD & CURB 24"	
V1300.1.47	CURRIE DRIVE	R.W. TRIFFO ENG	WATER 24"	10/30/80
V1301.1.47	CURRIE DRIVE	R.W. TRIFFO ENG	ST. LIGHT 24"	10/30/80
V1910	152-22 AVE	R.W. TRIFFO ENG	SAN SEWER	11/23/82
V2104	88 & 137A	R.W. TRIFFO ENG	SAN. SEWER	02/ /85
V2105	88 & 137A	R.W. TRIFFO ENG	SAN. SEWER	02/ /85
V2893	88TH & 142 ST	R.W. TRIFFO ENG	SANITARY SEWER	02/27/84
V2895	88TH & 142 ST.	R.W. TRIFFO ENG	WATER SERVICE	03/12/84
V2948	18TH AVE & 152ND ST	R.W. TRIFFO ENG	WATERMAIN XING	10/17/84
V3439	88 AVE & 140TH ST.	R.W. TRIFFO ENG	SANITARY SEWER	03/05/87
V1475.1.26	156 ST E OF 96 AVE	RANNALA & ASSOC	SLABS 30"	02/15/81
V1476.1.26	156 ST E OF 96 AVE	RANNALA & ASSOC	ROAD 30"	06/12/81

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V1477.1.26	156 ST E OF 96 AVE	RANNALA & ASSOC	WATER 30"	06/30/81
V1478.1.26	156 ST E OF 96 AVE	RANNALA & ASSOC	SAN SEWER 30"	06/16/81
V1479.1.52	156 ST E OF 96 AVE	RANNALA & ASSOC	STORM SEWER 24"	06/15/81
V1480.1.26	156 ST E OF 96 AVE	RANNALA & ASSOC	SAN SEWER 30"	06/25/81
V1481.1.26	156 ST E OF 96 AVE	RANNALA & ASSOC	STORM SEWER 30"	06/25/81
V1482.1.26	156 ST E OF 96 AVE	RANNALA & ASSOC	WATER 30"	06/25/81
V1485.1.52	156 ST E OF 96 AVE	RANNALA & ASSOC	SWALE 24"	08/04/81
V1486.1.26	156 ST E OF 96 AVE	RANNALA & ASSOC	SWALE 30"	08/04/81
V1487.1.52	156 ST E OF 96 AVE	RANNALA & ASSOC	GRADING 24"	08/04/81
V1488.1.26	156 ST E OF 96 AVE	RANNALA & ASSOC	GRADING 30"	08/04/81
V2046-1-23	96TH AVE. E. OF 161 STR.	RANNALA & ASSOC	STORM SEWER	12/02/83
V2047-1-23	96TH AVE. E. OF 161 STR.	RANNALA & ASSOC	FILL	12/22/83
V3112	24TH AVE W OF 152 ST	RANNALA & ASSOC	SANITARY SEWER	05/08/85
V3113	24TH AVE W OF 152 ST	RANNALA & ASSOC		05/08/85
V3114	24TH AVE W OF 152 ST	RANNALA & ASSOC		05/08/85
V3210-1-95	PARK RD & LOUGHEED HWY	RANNALA & ASSOC	8" SEWER	09/24/85
V3211-1-95	PARK RD & LOUGHEED HWY	RANNALA & ASSOC	3-3" U/G DUCTS	09/25/85
V 850-1-100	1675 KINGSWAY, PORT COQUITLAN	RECORD CHEMICAL CO.	ACCESS ROAD	
V 851-1-100	1675 KINGSWAY, PORT COQUITLAN	RECORD CHEMICAL CO.	8" WATER	07/10/79
V 852-1-100	1675 KINGSWAY, PORT COQUITLAN	RECORD CHEMICAL CO.	STORM SEWER	07/24/79
V 853-1-100	1675 KINGSWAY, PORT COQUITLAN	RECORD CHEMICAL CO.	SANITARY SEWER	
V2923-1-100	1745 KINGSWAY AVE.	RECORD CHEMICAL CO. ORV'S PLUMBING	SAN. SEWER.	07/24/84
V 55-1-3	MARSHALL RD. DIVERSION S. OF MARSHALL RD.	REDDEKOPP, H	2" WATER MAIN	
V3330-1-65	7830 VANTAGE WAY	REGENCY IND.	6" WATER - 24"	08/12/86
V3332-1-65	7830 VANTAGE WAY	REGENCY IND.	6" WATER - 36"	
V3594-1-76	LOT 1, W OF TAPPEN AVE	REGENCY (HARDY BBT)	PARKING AREA	
V2075	AIRPORT & 72 - DELTA	REID CROWTHER	WATER	12/13/83
V2076	AIRPORT & 72 - DELTA	REID CROWTHER	WATER	12/13/83
	(SUPERCEDES V1879 & 1880)			
V2095	GLADWIN RD, SOUTH OF SOUTH FRASER WAY	REID CROWTHER (SEVEN OAKS)	DRIVEWAY - 2099	02/28/84
V2096	GLADWIN RD, SOUTH OF SOUTH FRASER WAY	REID CROWTHER (SEVEN OAKS)	REMOVE CONDUIT/WIRING - 2095	02/28/84
V2097	GLADWIN RD, SOUTH OF SOUTH FRASER WAY	REID CROWTHER (SEVEN OAKS)	CONDUIT & TRAFFIC ISLAND - 2096	02/28/84
V2098	GLADWIN RD, SOUTH OF SOUTH FRASER WAY	REID CROWTHER (SEVEN OAKS)	CATCH BASIN - 2097	02/28/84
V2099	GLADWIN RD, SOUTH OF SOUTH FRASER WAY	REID CROWTHER (SEVEN OAKS)	DUCTS - 2098	02/28/84
V3077	SE CORNER OF 152 ST. & 18 AVE	RESCON CONSTRUCTION & B.C.	TEL ROADWAY	05/01/85
V3078	SE CORNER OF 152 ST. & 18 AVE	RESCON CONSTRUCTION & B.C.	TEL DUCT (BC HYDRO)	05/01/85
V3079	SE CORNER OF 152 ST. & 18 AVE	RESCON CONSTRUCTION & B.C.	TEL DUCT (BC TEL)	05/01/85
V1087.7.75	RIVER ROAD RICH.	RICHMOND	WATER MAIN 24" M.T.P	
V1088.1.75	RIVER ROAD RICH.	RICHMOND	WATER MAIN 20" MTP	
V 661-1-72	U/N RD. BTWN 87 RD. & KARTNER RD. S. OF WESTMINSTER HWY(24")	RICHMOND, CORP OF	1" WATER MAIN	06/15/78

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V 662-1-72	AS ABOVE KING 20"	RICHMOND, CORP OF	1" WATER MAIN	06/15/78
V3413-1-71	NELSON GATE STN. RICHMOND	RICHMOND, TOWNSHIP OF	600MM STORM SEWER 20"	07/12/87
V3414-1-71	NELSON GATE STN. RICHMOND	RICHMOND, TOWNSHIP OF	600MM STORM SEWER 24"	07/12/87
V 56-1-5 (B)	EASEMENT - S. OF DUNCAN, W. OF ROSS	RIDGETOP BUILDERS LTD.	12" PLASTIC SUMP	06/27/72
V 56-1-5 (A)	EASEMENT - S. OF DUNCAN, W. OF ROSS	RIDGETOP BUILDERS LTD.	18" CULVERT	06/27/72
V 209-1-100	1835 KINGSWAY - PORT COQ.	ROBERTSON BUILDING SYSTEMS	A & B - 2 12" DRAINAGE PIPES	11/05/74
V 407-1-100	KINGSWAY W. OF MCLEAN	ROBERTSON BUILDING SYSTEMS		
V3524-1-93	21012 - 121 AVE MAPLE RIDGE	ROOKE, R	DRIVEWAY/PATIO	
V3426-1-50	10213-140 ST.	ROTO ROOTER	STORM DRAIN	12/10/86
V3363-1-94	W OF 208 ST, N OF DEWDNEY TRUNK	SABLE HOMES	TEMP EQUIP CROSSING	
V2942-1-43	9971 - 127B ST. SURREY	SAUDER, C	LANDSCAPING	07/13/84
V 405-1-98	KINGSWAY W. OF TRENTON	SCEPTRE DREDGING	TEMP RD KING	11/09/76
V1445.1.62	W OF 104 ST S RIVER RD	SCEPTRE DREDGING	DREDGE PIPELINE 24"	05/12/81
V1492.1.62	W 104 S OF RIVER	SCEPTRE DREDGING	DREDGE PIPELINE	
V2907-1-28	6062-16 ST, LANGLEY	SCHROEDER, M	SEWER 18"	06/25/84
V 192-1-42	13101 - 92 AVENUE	SCHUMACHER, J	REGRADE LOT (DOTC NOT INVOLVED)	
V 275-1-42	13101 - 92 AVENUE	SCHUMACHER, J	SPRINKLER SYSTEM	
V3189-1-26	13922-94 AVE	SEKHON, MR.	LANDSCAPING	08/08/85
V3644-1-23	164 ST & 95 AVE	SENEX DEV.	TEMP. EQUIP CROSSING	
V 942	GLADWIN & BROADWAY 7TH DAY ADVENTIST CHURCH	SEVENTH DAY ADVENTIST CHURCH		
V1679.1.50	103A & 140 ST	SEWARD ENGINEERING	ROADWORK 24 MTP	
V1680.1.50	103A & 140 ST	SEWARD ENGINEERING	SIDEWALKS 24"	
V1682.1.50	103A & 150	SEWARD ENGINEERING	SLABS 24"	
V 13-1-9	W. OF 56 AVE - E. OF 232 ST.	SHAMROCK GOLF CLUB	WATER LINE	01/26/71
V1406.1.39A	14557 KINGSTON PL.	SHERMAN, JOHN	FENCE 18"	07/10/81
V3028-1-55	12643 - 89 AVE	SINKOVITS, V	24" 1" WATER SERVICE	
V3029-1-55	12643 - 89 AVE	SINKOVITS, V	36" 1" WATER SERVICE	
V3030-1-55	12649 - 89 AVE	SINKOVITS, V	24" 1" WATER SERVICE	08/25/86
V3031-1-55	12649 - 89 AVE	SINKOVITS, V	36" 1" WATER SERVICE	08/25/86
V3032-1-55	12649 - 89 AVE	SINKOVITS, V	24" DRIVEWAY	
V3033-1-55	12649 - 89 AVE	SINKOVITS, V	36" DRIVEWAY	
V3432-1-55	12649-89 AVE.	SINKOVITS, V	PAVED DRIVEWAY 24"	
V3433-1-55	12649-89 AVE.	SINKOVITS, V	PAVED DRIVEWAY 36"	
V 88-1-57	WALKWAY W. OF 120 ST. AT 85A AVENUE	SINSER CONST. C/O BAXTER & RANNALA	PAVED WALKWAY	
V1832	72 ST AND AIRPORT	SMITH, PAUL	ROAD TP	10/27/82
V1839	BOUNDARY BAY AIRPORT	SMITH, PAUL	SEWER TP	10/27/82
V1940-1-2	MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	ROAD 36"	
V1941-1-2	MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	ROAD 36"	
V1942-1-2	MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	ROAD 42"	
V1943-1-2	MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	ROAD 42"	
V3036-1-2	33344 KING ROAD. MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	1/2" DIA. CABLE - 30"	03/26/87

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V3037-1-2	33344 KING ROAD. MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	1/2" DIA. CABLE - 42"	03/26/87
V3163-1-2	33344 KING ROAD. MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	U/G DUCT 42" (COAST CONSTRUCTION)	06/14/85
V3164-1-2	33344 KING ROAD. MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	U/G DUCT 30" (COAST CONSTRUCTION)	06/14/85
V3607-1-2	33344 KING RD. MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	42" PAVEMENT	
V3608-1-2	33344 KING RD. MATSQUI INSTITUTION	SOLICITOR GEN. CANADA	30" PAVEMENT	
V 544-1-66	TILBURY PARK	SONORA CONSTRUCTION	TEMPORARY RAMP CONSTRUCTION	09/03/
V1011-1-20	18750 - 96 AVE (PETERBILT TRUCKS)	SOUTHWEST CONT LTD	2" PL WATER SER 30" WTP	09/04/79
V 792-1-65	LOT 37-TILBURY IND. PARK	SOUTHWEST ENTERPRISES LTD	4" SANITARY SEWER	11/01/78
V 793-1-65	LOT 37-TILBURY IND. PARK	SOUTHWEST ENTERPRISES LTD	6" WATER SERVICE	11/01/78
V1561	134 & 92	SPRINGBROOK	CONCRETE CURBS 24"	11/26/81
V 5	100 AVE W. OF 140 ST.	STANLEY ASSOC.	SEWER	06/16/71
V 6	102 AVE. W. OF 140 ST.	STANLEY ASSOC.	SEWER	06/16/71
V 7	KINDERSLEY W. OF COVENTRY	STANLEY ASSOC.	SEWER	09/16/71
V 224-1-59	111A N. OF 84 AVE	STANLEY ASSOC. (QUADRANT DEV.)		
V2941-1-57	8468 - 117B ST. DELTA	STENDAL, W C	4" PERFORATED DRAIN	
V2968-1-76	78 GOLDEN DR COQ.	STILL CREEK	PAVING	08/24/84
V 236-1-41	88 & 130 STREET	STRONG, LAMB & NELSON	A) ROAD	07/25/
V 236-1-41	88 & 130 STREET	STRONG, LAMB & NELSON	B) CURB	09/19/
V 236-1-41	88 & 130 STREET	STRONG, LAMB & NELSON	D) SANITARY	08/08/
V 236-1-41	88 & 130 STREET	STRONG, LAMB & NELSON	E) WATER	08/22/
V 236-1-41	88 & 130 STREET	STRONG, LAMB & NELSON	C) S/W	
V 237-1-41	W. OF EDINBURGH ON EASEMENT	STRONG, LAMB & NELSON	10" SANITARY	08/05/75
V 238-1-41	EASEMENT E. OF PEEBLES W. OF 88	STRONG, LAMB & NELSON	24" STORM	08/15/75
V 272-1-95	LOUGHEED HWY E. OF BONSON	STRONG, LAMB & NELSON	36" STORM SEWER	
V 309-1-41	TULSY CR. S. OF 87B AVE	STRONG, LAMB & NELSON	A-D ROADS & 6" WATER	04/ /77
V 338-1-42	S. OF 96, BALLOCH DR.	SUR DEL	F) WATER	
V 338-1-42	S. OF 96, BALLOCH DR.	SUR DEL	D) STORM	
V 338-1-42	S. OF 96, BALLOCH DR.	SUR DEL	B) CURBS	
V 338-1-42	S. OF 96, BALLOCH DR.	SUR DEL	C) S/W	
V 338-1-42	S. OF 96, BALLOCH DR.	SUR DEL	A) ROAD	
V 338-1-42	S. OF 96, BALLOCH DR.	SUR DEL	E) SANITARY	
V 339-1-42	95 AVE W. OF 132	SUR DEL	F) WATER	
V 339-1-42	95 AVE W. OF 132	SUR DEL	D) STORM	
V 339-1-42	95 AVE W. OF 132	SUR DEL	B) CURB	
V 339-1-42	95 AVE W. OF 132	SUR DEL	E) SANITARY	
V 339-1-42	95 AVE W. OF 132	SUR DEL	C) SIDEWALK	
V 339-1-42	95 AVE W. OF 132	SUR DEL	A) ROAD	
V 178-1-48	100A AVE E OF 140A ST	SURREY	DITCH	
V1097	152 ST. & 54A AVE.	SURREY	25 MM WATER 8" TP	03/21/80
V1134.1.25	151A ST. S OF 95A AVE	SURREY	450 MM STORM SEWER X	08/05/80

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V1160	68TH AVE & 148 ST.	SURREY	WATER MAIN 6" TP	02/02/80
V1233	40 AVE W OFF 168 ST	SURREY	CULVERT 175#11/4TP	10/01/80
V1234	40 AVE - 18400 BL	SURREY	CULVERT 175#11/4TP	10/01/80
V1318	152 ST S BET 22 & 24	SURREY	WTR SERV 2"	05/20/81
V1332.1.49	E OF 140 ST	SURREY	FILL 24"	11/12/80
V1333.1.40	140 ST S OF 88 AVE	SURREY	PARKING LOT 18"	11/17/80
V1382	152 ST & 64TH AVE	SURREY	SAN SEWER 8"	
V1385	15115 - 68 AVE	SURREY	WATER SERVICE 6"	
V1398	24 AVE 152 ST	SURREY	2" PUC DUCTS 8"	03/16/81
V1399	24 AVE 152 ST	SURREY	2" PUC DUCTS 8"	03/16/81
V1400	24 AVE 152 ST	SURREY	2" PUC DUCTS 8"	03/16/81
V1401	24 AVE 152 ST	SURREY	2" PUC DUCTS 8"	03/17/81
V1402	24 AVE 152 ST	SURREY	2" PUC DUCTS 8"	03/17/81
V1403	24 AVE 152 ST	SURREY	2" PUC DUCTS 8"	03/17/81
V1493	152 ST & 56TH AVE	SURREY	WATER SEWER 8"	07/15/81
V1524	6754 - 152 ST	SURREY	WATER SERV. 12"	08/13/81
V1570	3692 - 152 ST	SURREY	WATER 8"	
V1583	68 AVE & WES OF K. G. H.	SURREY	WATER 6"	10/09/81
V1584	68 AVE & WES OF K. G. H.	SURREY	WATER 6"	10/09/81
V1585	68 AVE & WES OF K. G. H.	SURREY	WATER 6"	10/09/81
V1702	152 ST. S. OF 68TH	SURREY	WATER 19MM TP	
V1709	24 AVE & 152 ST	SURREY	STORM SEWER TP	
V1717	24TH AVE. W OF 152 ST.	SURREY	SEWER 8"	02/17/82
V1718	24TH AVE. W OF 152 ST.	SURREY	SEWER 8"	02/17/82
V1719	24TH AVE. W OF 152 ST.	SURREY	SEWER 8"	02/17/82
V1786	152 ST. & 54A AVE	SURREY	WATERMAIN TP	04/28/82
V1787	152 ST & 56 AVE	SURREY	WATERMAIN TP	04/30/82
V1788	152 ST. & 57 AVE	SURREY	WATERMAIN TP	04/24/82
V1789	152 ST. N OF 57 AVE	SURREY	WATERMAIN TP	04/30/82
V1790	152 ST. AND 68TH AVE.	SURREY	WATERMAIN TP	04/29/82
V1791	152 ST AND 72 AVE	SURREY	WATERMAIN TP	04/28/82
V1813	64TH AVE & 152 ST	SURREY	WATERMAIN TP	05/26/82
V1818	68 AVE & 140 ST	SURREY	WATERMAIN 6 TP	08/25/82
V1819	68 AVE & 142 ST	SURREY	WATERMAIN 6 TP	
V1820	68 AVE & 147 ST	SURREY	WATERMAIN 6 TP	07/20/82
V1821	68 AVE & 148 ST	SURREY	WATERMAIN 6 TP	07/12/82
V1822	68 AVE & 150 ST	SURREY	WATERMAIN 6 TP	07/12/82
V1869	68 AVE & 142 ST	SURREY	WATER TP	08/26/82
V1870	68 AVE & 142 ST	SURREY	WATER TP	08/26/82
V1871	68 AVE & HYLAND	SURREY	WATER TP	08/23/82
V1916	7858-152 ST	SURREY	WATER SERVICE	12/01/82
V1919	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1920	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1921	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1922	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1923	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1924	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83

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FRASER VALLEY GAS DIVISION
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FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V1925	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1926	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1927	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1928	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/19/83
V1929	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/25/83
V1930	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/25/83
V1931	152 ST 32 AVE TO 36 AVE	SURREY	CATCH BASINS	04/25/83
V1932	152 ST 32 AVE TO 36 AVE	SURREY	ROADWORK	08/30/83
V1954	152 ST S OF 64 AVE	SURREY	WATER	04/12/83
V1961-1-50	102 AVE. WEST OF 140TH STR.	SURREY	ROADWORK	08/17/83
V1962-1-50	102 AVE. WEST OF 140TH STR.	SURREY	STREET LIGHTING	08/17/83
V1963-1-50	102 AVE. WEST OF 140TH STR.	SURREY	STORM SEWER	09/17/83
V1964-1-55	126 STR. SOUTH OF 89 AVE	SURREY	PAVING	09/09/83
V1965-1-55	126 STR. SOUTH OF 89 AVE	SURREY	STREET LIGHTING	04/19/83
V1966-1-55	126 STR. SOUTH OF 89 AVE	SURREY	CONC. S/W	09/09/83
V1967-1-55	126 STR. SOUTH OF 89 AVE	SURREY	PAVING	09/09/83
V1968-1-55	126 STR. SOUTH OF 89 AVE	SURREY	STREET LIGHTING	04/19/83
V1969-1-55	126 STR. SOUTH OF 89 AVE	SURREY	CONC. S/W	09/09/83
V1997-1-48	110 AVE @ 140 ST, SURREY	SURREY	100MM SAN SEWER	08/12/83
V2006-1-50	102 AVE @ 140 ST SURREY	SURREY	350MM H2O MAIN	06/10/83
V2066	168 ST 32 AVE - 40TH	SURREY	RD PAVING	
V3558	152ND & 20TH SURREY	SURREY	150MM WATER (FIRE)	01/29/88
V3626	6782 150 ST	SURREY	SANITARY SEWER	
V 103-1-47	CURRIE DR., NORTH SURREY	SURREY DIST. C/O KHAN CUBITT	8" A.C. SEWER	07/26/73
V 115-1-42 (A)	96 AVE E. OF 131 ST.	SURREY DIST. C/O KHAN CUBITT	SANITARY SEWER	08/20/73
V 115-1-42 (B)	131 ST. W. OF 96 AVE	SURREY DIST. C/O KHAN CUBITT	SANITARY SEWER	08/20/73
V 235-1-33	314 ST. S. OF 74 AVE 1175 ST. E. OF 184 ST.	SURREY DISTRICT	DITCHING	05/21/75
V 288	152 ST. & CRANLEY DR.	SURREY DISTRICT	6" D.I. WATER	09/03/75
V 290-1-51 52	96 AVE BETWEEN 136 & 140 ST.	SURREY DISTRICT	C) SEWER	
V 290-1-51 52	96 AVE BETWEEN 136 & 140 ST.	SURREY DISTRICT	B) CURB	
V 290-1-51 52	96 AVE BETWEEN 136 & 140 ST.	SURREY DISTRICT	A) ROAD RECONSTRUCTION & ST.	
V 363-1-33	E. OF 184 ST., S. OF 74 AVE	SURREY DISTRICT	DITCH	
V 364-1-33	ON 184 ST., S. OF 74 AVE.	SURREY DISTRICT	36" STORM SEWER	
V 380-1-48	PARK DR. E. OF GROSVENOR	SURREY DISTRICT	WATER MAIN	09/14/
V 562-1-42	96 AVE. W. OF 132 ST.	SURREY DISTRICT	SIDEWALK CROSSING	
V 742	CRANLEY DR. & 152 ST.	SURREY DISTRICT	900MM STORM 36" DRAIN	09/08/78
V 781-1-51	SOUTH SIDE FRASER HWY E. OF 138 ST.	SURREY DISTRICT		11/10/79
V 790-1-51	W. SIDE FR. HWY, E. OF 138 ST	SURREY DISTRICT	WATER MAIN	02/15/79
V 849-1-48	PARK DR. BTWN ANTRIN & 141B	SURREY DISTRICT	27" STORM SEWER	03/08/79
V 919-1-21	182 ST S OF 96 AVENUE, SURREY	SURREY DISTRICT	WATERMAIN XING-30"	07/25/79
V 929	68 AVE & 132 ST SURREY	SURREY DISTRICT	WATER MAIN-6" TRUNK MAIN	
V 930	68 AVE & 134 ST SURREY	SURREY DISTRICT	WATER MAIN-6" TRUNK MAIN	07/30/79
V 931	68 AVE & 135 ST SURREY	SURREY DISTRICT	WATER MAIN-6" TRUNK MAIN	
V 937-1-23	162A S. OF 96 AVE. SURREY	SURREY DISTRICT	3/4" PVC WTR LINE-30" (585)	06/27/79
V 984	KING GEO HWY AT 68 AVENUE	SURREY DISTRICT	8" WTR MAIN 6"TP(275)	08/13/79

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V2036-1-47	MILROSE, E OF COVENTRY RD.	SURREY DISTRICT	WATER MAIN	05/28/84
V2071-1-51	96 AVE & 138 ST. SURREY	SURREY DISTRICT	SIDEWALK, CURB, GUTTER	09/15/83
V2072-1-51	96 AVE & 138 ST. SURREY	SURREY DISTRICT	STREET LIGHTING	09/15/83
V2076A-1-55	89 AVE, E OF 126, SURREY	SURREY DISTRICT	WATER	12/22/82
V2076-1-55	89 AVE, E OF 126, SURREY	SURREY DISTRICT	WATER	12/22/83
V2093-1-38	84 AVE. BTN. 150 & 152 ST.	SURREY DISTRICT	WATER 18"	03/29/84
V2894-1-38	84 AVE W OF 151 ST.	SURREY DISTRICT	STORM SEWER	03/12/84
V2900-1-40	144 ST. S OF 88 AVE.	SURREY DISTRICT	300MM STORM SEWER	03/02/84
V2901-1-40	144 ST. S OF 88 AVE.	SURREY DISTRICT	ROADWORK	03/02/84
V2902-1-40	144 ST. S OF 88	SURREY DISTRICT	300MM WATER MAIN	04/04/84
V2932	7000 BLK. 152 ST	SURREY DISTRICT	REPLACE CULVERT	04/24/84
V2947-1-40	140 ST, S OF 88 AVE.	SURREY DISTRICT	STORM SEWER 18"	05/28/84
V2985-1-43	123A ST, N OF 99A	SURREY DISTRICT	WATERMAIN	10/10/84
V3035-1-43	124A & 100 AVE.	SURREY DISTRICT	WATERMAIN	09/23/86
V3039-1-24	96 AVE E OF 152 ST.	SURREY DISTRICT	WATERMAIN (EXTENDED TO 86-12-12)	07/10/85
V3040-1-24	96 AVE E OF 152 ST.	SURREY DISTRICT	SANITARY SEWER	02/08/85
V3085	152 ST. STH OF 24 AVE	SURREY DISTRICT	STREET LIGHT CONDUIT	04/28/87
V3090	152 ST. & 26 AVE	SURREY DISTRICT	STREET LIGHTING	04/28/87
V3161-1-47	14200 BLK. CURRIE DRIVE	SURREY DISTRICT	FRENCH DRAIN	07/29/
V3165	18TH AVE EAST OF 152 ST	SURREY DISTRICT	STORM SEWER	04/28/87
V3236	68 AVE & 149TH ST	SURREY DISTRICT	SANITARY SEWER XING	05/22/86
V3237	68 AVE & 149TH ST	SURREY DISTRICT	SANITARY SEWER XING	05/13/86
V3238R	68 AVE & 149TH ST	SURREY DISTRICT	SANITARY SEWER XING	05/22/86
V3239-1-53	136 & 92 AVE.	SURREY DISTRICT	SANITARY SEWER	06/11/86
V3257-1-44	OLD YALE RD & SPAN RD	SURREY DISTRICT	WATER 100MM	04/28/86
V3258-1-44	OLD YALE RD & SPAN RD	SURREY DISTRICT	SANITARY 100MM	04/28/86
V3350	68 AVE 144 ST	SURREY DISTRICT	STORM SEWER	08/06/86
V3380-1-32	72 AVE W OF 192 ST.	SURREY DISTRICT	SIDEWALK	01/06/88
V3406-1-53	92 AVE, W OF KING GEO. HWY	SURREY DISTRICT	300MM O WATERMAIN	02/17/87
V3444-1-56	8564-123RD ST SURREY	SURREY DISTRICT	100MM SAN SEWER	04/14/87
V3448-1-43	100 AVE. W OF 123 A ST.	SURREY DISTRICT	300MM WATERMAIN	03/31/87
V3456	6100 BLK 152 ST	SURREY DISTRICT	200MM P.V.C. CATCH BASIN LEAD	08/20/87
V3467	152 ST BTM 20 AVE & 24 AVE	SURREY DISTRICT	WATERMAIN	
V3503	68 AVE BTM 149 & 152	SURREY DISTRICT	SANITARY SEWER	
V3507-1-44	SCOTT ROAD	SURREY DISTRICT	SANITARY SEWERS	
V3514	40 AVE & 160 ST SURREY	SURREY DISTRICT	900MM STORM SEWER	08/24/87
V3525	68 AVE 138 ST	SURREY DISTRICT	SANITARY SEWER	
V3620	152 ST KING GEO HWY	SURREY DISTRICT	WATER MAIN	
V3648	24 AVE BTM 148 & 152	SURREY DISTRICT	RD WORK & STORM SEW	
V 652-1-19	195 ST. & 95 AVE., SURREY	SURREY DISTRICT (CMC ENG.)	12" SANITARY SEWER	08/16/78
V 653-1-19	195 ST. & 95 AVE, SURREY	SURREY DISTRICT (CMC ENG.)	42" STORM SEWER	08/16/78
V 586-1-55	126 ST. & 89 AVE	SURREY DISTRICT (MCELHANNEY SURVEY)	STORM SEWER	
V3110-1-35	7700 - 168 STREET	SURREY GOLF COURSE	DITCH & CULVERT	
V3111-1-35	7700 - 168 STREET	SURREY GOLF COURSE	DITCH	
V3183-1-35	7700-168 ST. SURREY	SURREY GOLF COURSE	SPRINKLER SYSTEM	07/04/85

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V3184-1-35	7700-168 ST. SURREY	SURREY GOLF COURSE	6" CULVERT	07/04/85
V 52-1-42	104 AVE E. OF 140 ST.	SURREY MUNICIPALITY	SANITARY SEWER	04/24/72
V 138-1-39 40	144 ST. S. OF 88 AVE	SURREY MUNICIPALITY	STORM SEWER	10/23/73
V 178-1-48	110A E. OF 140A ST.	SURREY MUNICIPALITY	DITCH RELOCATIONS	
V 410-1-48	XING 108 W. OF 141 ST.	SURREY MUNICIPALITY	STORM SEWER	
V 896-1-55	128 ST. N. OF 88 AVE, SURREY	SURREY MUNICIPALITY	SIDEWALK 24" MTP (585)	08/04/79
V3185-1-23	168 STREET & 96	SURREY MUNICIPALITY	SIDEWALK	
V3186-1-38	84 AVE, E OF 150	SURREY MUNICIPALITY	SIDEWALK	
V3187-1-39A	148 ST & 88 AVE	SURREY MUNICIPALITY	SIDEWALK	07/07/85
V3377-1-43	E OF 130, N OF 98A AVE.	SURREY MUNICIPALITY	DRAINAGE.	10/03/86
V3596-1-42	131 ST N OF 96 AVE	SURREY MUNICIPALITY	ROADWORK	
V3597-1-42	131 ST N OF 96 AVE	SURREY MUNICIPALITY	200MM WATER	
V3598-1-42	131 ST N OF 96 AVE	SURREY MUNICIPALITY	WATER SERVICE	
V3599-1-42	131 ST N OF 96 AVE	SURREY MUNICIPALITY	STREET LIGHTING	
V 147-1-47	MELROSE S.E. OF GROSVENOR	SURREY MUNICIPALITY C/O MCELHANNEY	6" WATER MAIN	03/07/74
V 150	24 AVE E. OF 152 ST.	SURREY MUNICIPALITY C/O WEB ENG.	SANITARY SEWER	
V 59-1-35	E. OF 168 ST. S. OF FR. HWY	SURREY SERPENTINE PUBLIC GOLF COURSE	18" DRAINAGE CULVERT	08/08/72
V 1	98A - 130 - 132 ST.	SURREY, CORP OF	WATER MAIN	
V 8-1-43	128 ST. - 99 - 100 AVE.	SURREY, CORP OF	SEWER	08/17/71
V 9-1-43	129A ST. - 99 - 100 AVE.	SURREY, CORP OF	SEWER	08/27/71
V 10-1-35 36	164 ST. S. OF 80 AVE	SURREY, CORP OF	12" CULVERT	
V 14-1-46	KING ST. E. OF MCBRIDE	SURREY, CORP OF	12" D.I. WATER MAIN	
V 40-1-44	102 AVE. E. OF 122 ST.	SURREY, CORP OF	WATER MAIN	10/01/71
V 43-1-25	148 ST. S. OF 96 AVE	SURREY, CORP OF	WATER MAIN	12/01/71
V 44-1-40	144 ST. & 88 AVE	SURREY, CORP OF	SANITARY SEWER	02/25/72
V 49-1-55	126A N. OF 89	SURREY, CORP OF	SEWER	02/25/72
V 57-1-47	LORNE CIRCUS & MCBRIDE	SURREY, CORP OF	6" WATER MAIN	07/12/72
V 61-1-47 48	GROSVENOR TO KINDERSLEY - COVENTRY	SURREY, CORP OF	WATER MAIN	07/20/72
V 152-1-50 51	100 AVE. W. OF 140 ST.	SURREY, CORP OF	WATER MAIN	05/10/74
V 176-1-43 44	100 AVE & N. OF 101 AVE W. OF 123A ST.	SURREY, CORP OF	8" SANITARY SEWER	07/05/74
V 194-1-24 23	160 ST. S. OF 96 AVE.,	SURREY, CORP OF	CHANGE DITCH ELEVATION	06/25/74
V 199-1-26	94 AVE & 140 ST.	SURREY, CORP OF	18" WATER	07/12/74
V 200-1-41	132 ST. S. OF 88 AVE	SURREY, CORP OF	18" STORM SEWER	08/14/74
V 201-1-41	132 ST. & 88 AVE	SURREY, CORP OF	FENCE & WORK AREA	
V 203-1-47	GLADSTONE W. OF COVENTRY	SURREY, CORP OF	12" STORM & ROAD	08/07/74
V 205-1-48	110A AVE. BTWN 140A ST. AND 141B ST.	SURREY, CORP OF	6" WATER	08/19/74
V 218-1-55	128 ST. S. OF 92 AVE	SURREY, CORP OF	18" WATER	10/09/74
V 221	168 ST. N. OF 61 AVE	SURREY, CORP OF	CULVERT REPLACEMENT	
V 250-1-44	100A AVE. W. OF 123A ST.	SURREY, CORP OF	8" WATER MAIN	08/13/
V 260-1-33	188 ST. N. OF 72 AVE	SURREY, CORP OF	DITCH CROSSING	06/05/75
V 449-1-19	195 ST. S. OF 96 AVE	SURREY, CORP OF	12" WATER MAIN	11/05/78

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V 450-1-19	192 ST. S. OF 96 AVE	SURREY, CORP OF	12" WATER MAIN	09/19/
V 630	24 AVE. W. OF 152 ST., SURREY	SURREY, CORP OF	18" WATER	
V 631	24 AVE. E. OF 152 ST., SURREY	SURREY, CORP OF	18" WATER	01/25/78
V 639	GORSVENOR RD. & LORNE CIRCUS	SURREY, CORP OF	8" WATER	06/29/78
V 860-1-25	140 ST. S. OF 96 AVE	SURREY, CORP OF	STORM SEWER	05/09/79
V 488-1-20	192 ST. S. OF 96 AVE.	SURREY, CORP OF, C/O CMC ENG	10" SANITARY SEWER	11/09/77
V 649-1-19	192 ST. S. OF 96 AVE., SRY	SURREY, CORP OF, C/O CMC ENG	21" STORM SEWER	06/23/78
V 671-1-19	195 ST. S. OF 96 AVE.	SURREY, CORP OF, C/O CMC ENG	ROAD	
V 672-1-19	195 ST. S. OF 96 AVE.	SURREY, CORP OF, C/O CMC ENG	CURBS	
V 673-1-19	195 ST. S. OF 96 AVE.	SURREY, CORP OF, C/O CMC ENG	STREET LIGHTING	11/09/78
V 542-1-48	108 AVE BETWEEN 140 & 141 ST.	SURREY, CORP OF, C/O MCELHANNY	S/W CONSTRUCTION SURV. & ENG.	10/21/77
V 204	88 AND 130 ST., SURREY	SURREY, CORP OF, C/O STRONG, LAMB & NELSON	ROAD, SEWER & WATER	
V 487	96 AVE. W. OF 132 ST.	SURREY, CORP OF, C/O W.C. & T	18" STORM SEWER	
V 80 (D)	136 & 134 STS. - 92 AVE	SURREY, CORP OF, C/O WEB ENG		03/16/73
V 80 (A)	136 & 134 STS. - 92 AVE	SURREY, CORP OF, C/O WEB ENG		03/16/73
V 80 (C)	136 & 134 STS. - 92 AVE	SURREY, CORP OF, C/O WEB ENG		03/16/73
V 80 (E)	136 & 134 STS. - 92 AVE	SURREY, CORP OF, C/O WEB ENG		03/16/73
V 80 (B)	136 & 134 STS. - 92 AVE	SURREY, CORP OF, C/O WEB ENG		03/16/73
V1005-1-9	E OF 232 ST N OF 56 AVE (LOT4)	TALL TIMBERS GOLF CLUB	24" CULVERT XING 30"	
V1006-1-9	E OF 232 ST N OF 56 AVE (LOT4)	TALL TIMBERS GOLF CLUB	24" CULVERT XING 12"	
V1007-1-9	E OF 232 ST N OF 56 AVE (LOT4)	TALL TIMBERS GOLF CLUB	24" CULVERT XING 30"	
V1008-1-9	E OF 232 ST N OF 56 AVE (LOT4)	TALL TIMBERS GOLF CLUB	24" CULVERT XING 12"	
V1009-1-9	E OF 232 ST N OF 56 AVE LOT 6	TALL TIMBERS GOLF CLUB	24" CULVERT XING 30"	
V1010-1-9	E OF 232 ST N OF 56 AVE	TALL TIMBERS GOLF CLUB	24" CULVERT XING 12"	
V1507.1.8A	23523 - 56 AVE	TALL TIMBERS GOLF CLUB	24" 42"	
V 385-1-99	KINGSWAY (12") PT. COQ.	TAMM ENGINEERING	TEMPORARY ROAD CROSSINGS	
V 392	1300 BLK. 56 ST.	TARQUIN INV. (CAMERON SURV. & ENG.)	15" SEWER	08/30/
V1415.1.32	72 AVE & 191 ST	TGK DEVELOPMENT	SEWER 18"	07/15/81
V1417.1.32	72 AVE & 191 ST	TGK DEVELOPMENT	VILL 18"	
V1538.1.32	72 AVE & 191 ST	TGK DEVELOPMENT	STREET LIGHT 18"	07/22/81
V1847	GLADWIN N OF MCCLURE	TGK DEVELOPMENT	SAN SEWER	04/12/84
V1855	GLADWIN & MCCLURE (X REF V1847)	TGK DEVELOPMENT	WATER SERVICE	04/12/84
V1856	GLADWIN & MCCLURE (X REF V1847)	TGK DEVELOPMENT	DRIVEWAY	04/12/84
V2075-1-1	SUNAS WAY, S. OF VYE	TGK DEVELOPMENT	WATER	12/13/83
V2075A-1-1	SUNAS WAY, S. OF VYE	TGK DEVELOPMENT	WATER	12/13/83
V2922-1-17	214A ST. S OF 96. AVE.	TGK DEVELOPMENT	WALKWAY & FENCE	07/13/84
V3076	GLADWIN RD NTH OF NELSON RD.	TGK DEVELOPMENT	WATER MAIN	06/ /85
V1555.1.31	88 & 197A ST	THOMSEN JEN	ROAD XING 18"	
V1556.1.31	88 & 197A ST	THOMSEN JEN	WATERMAIN 18"	10/14/81
V1396.1.23	162A ST S OF 96 AVE	THOMSON JEN	WATERMAIN 30"	07/30/81
V1423.1.18	205A ST & 205B ST S OF 96TH	THOMSON JEN	GRADING	08/19/81
V1424.1.18	205A ST & 205B ST S OF 96TH	THOMSON JEN	TEMP EQUIP XING	

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V1571.1.31	68 AVE & 197A ST	THOMSON JEN	CONCRETE SLABS 18"	10/14/81
V1589.1.31	68 AVE E OF 197A ST	THOMSON JEN	DITCH 6"	
V 314-1-43	128 ST. & 100 AVE	THOMSON SURVEYS C/O KER PRIESTMAN	4" DRAIN TILE	
V 660	208 ST. & 52 A AVE., LANG.	THOMSON, STREIT	WATER MAIN	04/25/78
V1081-1-8	48B AVE., E. OF 246A ST.	THOMSON, STREIT	ROADWAY 30" MTP	02/12/80
V1082-1-8	48B. AVE., E. OF 246A ST.	THOMSON, STREIT	ROADWAY 42" M.T.P.	02/12/80
V1083-1-8	48B AVE., E. OF 246A ST.	THOMSON, STREIT	DITCH C/S 30" M.T.P.	02/12/80
V1084-1-8	48B AVE., E. OF 246A ST.	THOMSON, STREIT	DITCH C/S 42" M.T.P.	02/12/80
V1085-1-8	48B AVE., E. OF 246A ST.	THOMSON, STREIT	DITCH W/S 30" M.T.P.	02/12/80
V1086-1.8	48B AVE., E. OF 246A ST.	THOMSON, STREIT	DITCH W/S 42" T.T.P	02/12/80
V1363.1.18	96 AVE E OF 204 ST	THOMSON, STREIT	GRADING 30"	07/13/81
V 484	208 ST. S. OF DOUGLAS CR.	THOMSON, STREIT & JENSEN	6" WATER MAIN	06/23/
V 535	47 AVE & 205 ST.	THOMSON, STREIT & JENSEN	6" WATER MAIN	08/03/77
V 581-1-14	89B AVE.	THOMSON, STREIT & JENSEN	STREET LIGHTING ACROSS 12"	
V 582-1-14	89B AVE.	THOMSON, STREIT & JENSEN	STREET LIGHTING ACROSS 30"	
V 22-1-3	31560 MARSHALL ROAD	TOEWS, A	U/G ELECTRICAL CABLE	
V 445-1-103	COMO LAKE ROAD AT SHARP ST.	TOMASIC ENGINEERING	8" SANITARY	04/07/77
V 446-1-103	COMO LAKE ROAD AT SHARP ST.	TOMASIC ENGINEERING	24" STORM	04/07/
V 28-1-47	14251 GLADSTONE	TRARUP, H	PLASTIC PUMP LINE	
V3285-1-98	M.-HILL BYPASS & TRENTON P.C	UMA ENGINEERING	600MM WATER PIPELINE	03/09/87
V1793.1.103	COMO LAKE & LOUGHEED	UNDERWOOD	SEWER 12 MTP	
V1794.1.103	COMO LAKE & LOUGHEED	UNDERWOOD	WATER 12 MTP	
V1795.1.103	COMO LAKE & LOUGHEED	UNDERWOOD	ROAD 12 MTP	
V1002	280 ST S OF 96 AVE M R	UNDERWOOD MCLELLAN 1977	ROAD RECONSTRUCTION	
V1003	280 ST S OF 96 AVE M R	UNDERWOOD MCLELLAN 1977	CONCRETE STORM SEWER	
V1004	280 ST S OF 96 AVE M R	UNDERWOOD MCLELLAN 1977	CONCRETE STORM SEWER	
V2048-1-59	8488-109 B STR. DELTA	UNITY CONSTRUCTION	STORM SEWER	09/23/83
V2049-1-59	8488-109 B STR. DELTA	UNITY CONSTRUCTION	SAN. SEWER	09/23/83
V2050-1-59	8488-109 B STR. DELTA	UNITY CONSTRUCTION	WATER	09/23/83
V 952-1-27	22996 - 56 AVENUE LANGLEY	VALLEY FARM DRAINAGE-WHONNOCK	4" BIG "O" DRAIN TILE CROSSING OF 18" MTP	
V 953-1-27	22996 - 56 AVENUE LANGLEY	VALLEY FARM DRAINAGE-WHONNOCK	4" BIG "O" DRAIN TILE CROSSING OF 18" MTP	
V 954-1-27	22996 - 56 AVENUE LANGLEY	VALLEY FARM DRAINAGE-WHONNOCK	4" BIG "O" DRAIN TILE CROSSING OF 18" MTP	
V 955-1-27	22996 - 56 AVENUE LANGLEY	VALLEY FARM DRAINAGE-WHONNOCK	4" BIG "O" DRAIN TILE CROSSING OF 18" MTP	
V 956-1-27	22996 - 56 AVENUE, LANGLEY	VALLEY FARM DRAINAGE-WHONNOCK	4" BIG "O" DRAIN TILE CROSSING OF 18" MTP	
V 957-1-27	22996 - 56 AVENUE, LANGLEY	VALLEY FARM DRAINAGE-WHONNOCK	4" BIG "O" DRAIN TILE CROSSING OF 18" MTP	
V 958-1-27	22996 - 56 AVENUE, LANGLEY	VALLEY FARM DRAINAGE-WHONNOCK	4" BIG "O" DRAIN TILE CROSSING OF 18" MTP	
V 785-1-76	LOT 23 MAYFAIR IND. PARK N. OF VAN BOURNE MANAGEMENT LEEDER AVENUE		LAND FILL	09/13/78
V 334-1-57	123 ST. & 85A AVE	VAN BOURNE MANAGEMENT (APLIN & MARTIN)	10" WATER MAIN	03/04/76

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FILE OR PERMIT NUMBER	CROSSING LOCATION	APPLICANT OR CONSULTANT	TYPE OF CROSSING	DATE COMPLETED
V2015-1-31	6846 - 1978 ST LANGLEY	VAN WERKHUERN	4" DRAIN (BIG "O")	09/14/83
V 132-1-68	BENSON ROAD, DELTA	VANCOUVER CITY LANDFILL SITE-DELTA	2 DRAINAGE DITCHES	10/09/73
V1104.1.99	KINGSWAY & MARY HILL	VANCOUVER REGIONAL DISTRICT	SEWER	05/28/80
V1936-1-67	3750'/1143M N OF BENSON GATE DELTA	VANCOUVER REGIONAL DISTRICT	TEMP PIPELINE CROSS	12/02/82
V3071-1-46	N OF 116A ST. W OF 144A AVE	VANCOUVER REGIONAL DISTRICT	SEWER 12" MTP	04/02/85
V3581-1-55	89 AVE E OF 126 ST	VANCOUVER REGIONAL DISTRICT	42" WATER	06/06/88
V3582-1-55	89 AVE E OF 126 ST	VANCOUVER REGIONAL DISTRICT	42" WATER	06/06/88
V3583-1-54	S OF ROEBUCK STN.	VANCOUVER REGIONAL DISTRICT	42" WATER	
V3584-1-54	E OF ROEBUCK STN - 132 ST	VANCOUVER REGIONAL DISTRICT	42" WATER	
V3585-1-52	S OF NICHOL STN.	VANCOUVER REGIONAL DISTRICT	42" WATER	
V3592-1-54	S OF ROEBUCK STN	VANCOUVER REGIONAL DISTRICT	TEMP XING 18"	
V3593-1-52	S OF NICHOL STN	VANCOUVER REGIONAL DISTRICT	TEMP XING 24"	
V 48-1-79	S. OF D.R. RD-W. OF BOND, COQ	VANCOUVER SEWER & DRAINAGE	SEWER	09/22/72
V 60-1-44	S. OF 103, E. OF 122	VANCOUVER SEWER & DRAINAGE	SEWER INTERCEPTOR	
V 101-1-46	E. OF PORT MANN POWER STN.	VANCOUVER SEWER & DRAINAGE	INTERCEPTOR SEWER	11/27/73
V 102-1-46	E. OF PORT MANN POWER STN.	VANCOUVER SEWER & DRAINAGE	SEWER	
V 187-1-62	BURLINGTON NORTHER R.R. S. OF 80 AVE, E. OF 104 ST.	VANCOUVER SEWER & DRAINAGE		07/19/74
V 220-1-100	KINGSWAY & MCLEAN	VANCOUVER SEWER & DRAINAGE	18" TRUNK SERVICE	06/23/75
V 366-1-77	S. OF 80 AVE., W. OF 155 ST.	VANCOUVER SEWER & DRAINAGE	8" SEWER	
V 367-1-34 35	S. OF FR. HWY., E. OF 168 ST.	VANCOUVER SEWER & DRAINAGE	48" SEWER	
V 378-1-23	164ST. S. OF 96	VANCOUVER SEWER & DRAINAGE	SANITARY SEWER	12/18/76
V 379	152 ST. N. OF 72	VANCOUVER SEWER & DRAINAGE	SANITARY SEWER	09/17/
V 534-1-103	CONO LAKE RD & LOUGHEED HWY	VANCOUVER SEWER & DRAINAGE	18" SANITARY SEWER	11/01/77
V1075-1-99	KINGSWAY W OF PROPOSED HWY	VANCOUVER SEWER & DRAINAGE	SAN SEWER 12" MTP	
V1120.1.99	KINGSWAY AVE @ ACCESS	VANCOUVER SEWER & DRAINAGE	600V EL SER TO PUMP ST	11/24/80
V1336.1.99	N OF KINGSWAY W OF HWY	VANCOUVER SEWER & DRAINAGE	11/2" STR SERV. 12"	
V 33	168 ST. AT 56 AVE.	VANCOUVER WATER DISTRICT	TRUNK SEWER	11/10/71
V 133-1-55 (A)	126 ST. AT 89 AVE	VANCOUVER WATER DISTRICT	12" D.I. WATER	09/25/73
V 133-1-55 (B)	88 AVE & 124 ST.	VANCOUVER WATER DISTRICT	12" D.I. WATER	09/25/73
V 134-1-25	152 ST. S. OF 96 AVE	VANCOUVER WATER DISTRICT	12" D.I. WATER	11/02/73
V 158-1-76		VANCOUVER WATER DISTRICT		
V 271	168 ST. & 84 AVE	VANCOUVER WATER DISTRICT	WATER MAIN	
V 304-1-34 35	FR. HWY E. OF 168 ST.	VANCOUVER WATER DISTRICT		
V 308-1-25	148ST. S. OF 96 AVE.	VANCOUVER WATER DISTRICT	36" STEEL WATER MAIN	12/11/75
V 310-1-50	104 AVE E. OF 140 ST.	VANCOUVER WATER DISTRICT	12" WATER MAIN	04/14/76
V 326-1-34 35	R/W E. OF 168 ST. & FR. HWY	VANCOUVER WATER DISTRICT	HOG FUEL ROAD	
V 327-1-25	148 ST. S. OF 96 AVE	VANCOUVER WATER DISTRICT	HOG FUEL ROAD	
V 341-1-31 32	192 ST. S. OF 72 AVE	VANCOUVER WATER DISTRICT	WATER MAIN	04/06/76
V 342-1-31 32	W. OF 192, S. OF 72	VANCOUVER WATER DISTRICT	B) WATER MAIN	
V 342-1-31 32	W. OF 192, S. OF 72	VANCOUVER WATER DISTRICT	A) RD XING	
V 342-1-32	W OF 192 ST S OF 72 AVE	VANCOUVER WATER DISTRICT	ROADWORK	
V 358	24 AVE E. OF 144 ST.	VANCOUVER WATER DISTRICT	30" WATER	
V 370-1-56 57	8500 BLK. 120TH ST.	VANCOUVER WATER DISTRICT	WATER MAIN	06/15/
V 393	168 ST. S. OF 78 AVE	VANCOUVER WATER DISTRICT	48" SEWER	11/26/

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V 399-1-80	EAGLE RIDGE DEV. R/W N. OF BARNET	VANCOUVER WATER DISTRICT	26" WATER MAIN	01/07/77
V 418-1-23	164 ST. S. OF 96 AVE.	VANCOUVER WATER DISTRICT	22" WATER	
V 532-1-88	D.T. RD. E. OF 227 ST.	VANCOUVER WATER DISTRICT	30" WATER	08/24/77
V 844-1-70	TILBURY ISLAND	VANCOUVER WATER DISTRICT	48" WATER MAIN (20")	
V 845-1-70	TILBURY ISLAND	VANCOUVER WATER DISTRICT	48" WATER MAIN (24")	
V 943-1-69	HOPCOTT RD & CPR R/W	VANCOUVER WATER DISTRICT	WATER MAIN - 6" MTP	09/28/79
V 944-1-70	BCHPA R/W & DYKE	VANCOUVER WATER DISTRICT	WATER MAIN - 24" MTP	
V 945-1-70	BCHPA R/W & DYKE	VANCOUVER WATER DISTRICT	WATER MAIN - 20" MTP	
V 946-1-70	BCHPA R/W & CNR	VANCOUVER WATER DISTRICT	WATER MAIN - 24" MTP	11/09/79
V 947-1-70	BCHPA R/W & CNR	VANCOUVER WATER DISTRICT	WATER MAIN - 20" MTP	11/09/79
V 983-1-69	HOPCOTT ROAD & CPR R/W	VANCOUVER WATER DISTRICT	WATERMAIN 12" MTP	09/28/79
V1015-305-4	HOPCOTT RD AND CNR R/W	VANCOUVER WATER DISTRICT	36" WTR MAIN 6" HT (225)	
V1113.1.77	HICKEY N. OF MATHEWSON	VANCOUVER WATER DISTRICT	48" WATER	05/07/80
V1121.1.77	HICKEY RD N OF MATHEWS	VANCOUVER WATER DISTRICT	TEMP. EG. XING 20" MTP	04/14/80
V1177.1.77	CAPE HORN RESERVOIR	VANCOUVER WATER DISTRICT	TEMP RD. XING	
V 780-1-68	BENSEN RD. N. OF LADNER TRUNK	VANCOUVER, CITY OF	DRAINAGE DITCH	
V 949-1-68	BENSON RD. N. OF #499 FR HWY	VANCOUVER, CITY OF	12" FORCE MAIN 12" MTP	
V2056-1-68	VANCOUVER CITY LANDFILL, DELTA	VANCOUVER, CITY OF	ROAD	04/09/84
V2057-1-68	VANCOUVER CITY LANDFILL, DELTA	VANCOUVER, CITY OF	CONCR. DUCT	02/23/84
V2058-1-68	VANCOUVER CITY LANDFILL, DELTA	VANCOUVER, CITY OF	LANDSCAPING	05/04/84
V2955-1-68	LANDFILL SITE ENT OFF BENSON RD, DELTA	VANCOUVER, CITY OF	1" PVC H2O SPRINKLER	
V2956-1-68	LANDFILL SITE ENT OFF BENSON RD, DELTA	VANCOUVER, CITY OF	1" PVC H2O SPRINKLER	
V3403-1-68	VANC LANDFILL - DELTA	VANCOUVER, CITY OF	SPRINKLER SYSTEM	10/11/86
V1909-1-26	9460-140 ST SURREY	VARIETY CLUB TREATMENT CENTER	PAVED FOOTPATH	11/07/82
V 39 (F)	CROSSING SULLIVAN PLACE	VECTOR ENGINEERING	10" STORM SEWER	01/21/71
V 39 (C)	E. OF 108 - S. OF SULLIVAN	VECTOR ENGINEERING	8" SANITARY SEWER	12/30/71
V 39 (G)	CROSSING SULLIVAN PLACE	VECTOR ENGINEERING	8" SANITARY SEWER	01/21/71
V 39 (D)	E. OF 108 - S. OF SULLIVAN	VECTOR ENGINEERING	6" STORM CONNECTION	12/30/71
V 39 (B)	108 ST. S. OF 85A AVE	VECTOR ENGINEERING	10" STORM SEWER	01/19/72
V 39 (A)	108 ST. S. OF 85A AVE	VECTOR ENGINEERING	6" DUCTILE WATER MAIN	01/19/72
V 39 (H)	CROSSING BROOKE ROAD	VECTOR ENGINEERING	10" STORM SEWER	02/16/72
V 39 (E)	CROSSING SULLIVAN PLACE	VECTOR ENGINEERING	6" DUCTILE WATER MAIN	02/ /72
V1280	6 AVE & ALDER ST.	VECTOR ENGINEERING	SEWER 8"	09/22/80
V1303.1.88	22712 D.T. RD.	VECTOR ENGINEERING	PARKING LOT XREF V1334	12/30/80
V1454.1.95	LOUGHEED & ANDERSON	VECTOR ENGINEERING	SEWER 12"	07/20/81
V1455.1.95	LOUGHEED & ANDERSON	VECTOR ENGINEERING	FILL 12"	07/20/81
V2987	168 ST BTW 56 AVE & 64 AVE STN 2 + 13	VECTOR ENGINEERING	CATCH BASIN	
V2988	168 ST BTW 56 AVE & 64 AVE STN 3 + 00	VECTOR ENGINEERING	CATCH BASIN	
V2989	168 ST BTW 56 AVE & 64 AVE STN 3 + 95	VECTOR ENGINEERING	CATCH BASIN	
V2990	168 ST BTW 56 AVE & 64 AVE STN 4 + 80	VECTOR ENGINEERING	CATCH BASIN	

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V2991	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 8 + 78		CATCH BASIN	
V2992	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 9 + 80		CATCH BASIN	
V2993	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 10 + 50		CATCH BASIN	
V2994	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 11 + 11.5		CATCH BASIN	
V2995	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 11 + 90		CATCH BASIN	
V2996	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 12 + 70		CATCH BASIN	
V2997	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 13 + 97.5		CATCH BASIN	
V2998	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 16 + 00		CATCH BASIN	
V2999	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 5 + 60		CULVERT 300MM	
V3000	168 ST BTW 56 AVE & 64 AVE STN VECTOR ENGINEERING 8 + 61.937		CULVERT 375MM	
V3001	168 ST BTW 56 AVE & 64 AVE	VECTOR ENGINEERING	ROADWORK	
V3002	168 ST 57A	VECTOR ENGINEERING	ROADWORK	
V3003	168 ST 61 AVE	VECTOR ENGINEERING	ROADWORK	
V3004	63 AVE & 168 ST	VECTOR ENGINEERING	ROAD WORK	
V3005	168 ST & 61 AVE	VECTOR ENGINEERING	DITCHING	
V3024	168 ST @ 60 AVE	VECTOR ENGINEERING	ROAD WORK	02/28/85
V3360-1-92	LAITY & 121 ST. GLENWOOD PARK.	VECTOR ENGINEERING	WALKWAY	07/28/87
V3361-1-92	LAITY & 121ST (GLENWOOD PARK)	VECTOR ENGINEERING	GRADING	
V 122-1-44	10734 - 120 ST., SURREY	VEREMA, H	PLACING FILL OVER 18"	
V 122-1-44	10734 - 120TH STREET	VEREMA, H	FILL	
V 856-1-8	24427 - 50 AVENUE	W. REDEKOP	11/2" PL. WATER SERVICE - 30"	
V 857-1-8	24427 - 50 AVENUE	W. REDEKOP	11/2" PL. WATER SERVICE - 42"	
V 614-721	208 ST. & 56 AVE.	W.C. & T.	12" SEWER	
V1044-1-31	68 AVE & 200 ST., LANGLEY	W.C. & T.	750 MM STORM SEWER	08/07/80
V1072	272 ST S OF 40 AVENUE	W.C. & T.	SEWER	
V3195-1-20	S OF 96 AVE, W OF HARVEY RD.	W.K. INDUSTRIES	FILL	09/27/85
V3196-1-20	S OF 96 AVE, W OF HARVEY RD.	W.K. INDUSTRIES	STORM SEWER	09/27/85
V 113-1-89	W. OF 227 ST., W. OF BROWN RD.	WALENCO ENGINEERING	8" A.C. SAN. SEWER	
V 576-1-93	211 ST. & 121 AVE. MAPLE RIDGE	WALENCO ENGINEERING	ROAD	
V 577-1-93	211 ST. & 121 AVE. MAPLE RIDGE	WALENCO ENGINEERING	CURB	
V 578-1-93	211 ST. & 121 AVE. MAPLE RIDGE	WALENCO ENGINEERING	SIDEWALK	
V 579-1-93	211 ST. & 121 AVE. MAPLE RIDGE	WALENCO ENGINEERING	8" 420 PLASTIC REVISION 1	12/07/77
V3130-1-91	DOVER ST, N OF DEWDNEY TR	WALENCO ENGINEERING	200DIA PVC SANITARY	09/19/85
V3131-1-91	DOVER ST, N OF DEWDNEY TR	WALENCO ENGINEERING	WALKWAY	09/19/85
V3132-1-91	DOVER ST, N OF DEWDNEY TR	WALENCO ENGINEERING	PAVED DRIVEWAY	09/19/85
V3133-1-91	DOVER ST, N OF DEWDNEY TR	WALENCO ENGINEERING	20MM WATER SERVICE	09/19/85
V3134-1-91	DOVER ST, N OF DEWDNEY TR	WALENCO ENGINEERING	U/G DUCT-HYDRO & TEL	11/20/85

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V3200-1-91	DOWER ST N DEWDNEY TK RD	WALEMCO ENGINEERING	250 PVC STM	09/19/85
V3259-1-87	BURNETTE ST N. HANEN BYPASS MAPLE RIDGE	WALEMCO ENGINEERING	200MM SAN	03/10/86
V3291-1-87	S OF FISCHER ST N. RIDGE	WALEMCO ENGINEERING	PARKING LOT, FILL	11/19/87
V3621	CEDAR AND 6TH	WALEMCO ENGINEERING	STORM DRAIN	
V3202-1-18	20714-96 AVENUE	WALNUT GROVE HOUSING CO-OP	PAVING	03/26/87
V 268-1-85	23397 FISHERMAN	WESTERN DRUM RECYCLERS	1 1/4" GAS H/L	06/25/75
V 789-1-83	96 ST. S. OF RIVER RD.	WESTERN PEAT C/O CBA ENG.		
V1953-1-56A	8703-120TH STR. DELTA	WHITE SPOT	U/G POWER LINE	
V3025-1-84	9269 GLOVER RD.	WHONNOCK INDUSTRIES	STORM SEWER	02/07/85
V 166-1-11	72 AVE. E. OF 232 ST.	WILLIS CUNLIFFE	8" WATER	
V1080	GLOVER RD. & MUFFORD	WILLIS CUNLIFFE	SEWER 8" T.P.	04/28/80
V1236.1.43	128 & 100 AVE E/S	WILLIS CUNLIFFE	SIDEWALK 18" MTP	10/10/80
V1237.1.43	128 & 100 AVE W/S	WILLIS CUNLIFFE	SIDEWALK 18" MTP	10/10/80
V1275.1.31	S OF 68 AVE W OF 200	WILLIS CUNLIFFE	SAN SEWER 18"	01/12/81
V1276.1.31	S OF 68 AVE W OF 200	WILLIS CUNLIFFE	STORM SEWER 18"	01/12/81
V1277.1.31	S OF 68 AVE W OF 200	WILLIS CUNLIFFE	TEMP RD. 18"	12/ /80
V1278.1.31	S OF 68 AVE W OF 200	WILLIS CUNLIFFE	FILL 18"	12/ /80
V1323.1.17	213 ST S OF 96 AVE	WILLIS CUNLIFFE	STORM SEWER 30"	06/02/81
V1324.1.17	213 ST S OF 96 AVE	WILLIS CUNLIFFE	SAN SEWER 30"	06/02/81
V1325.1.17	213 ST S OF 96 AVE	WILLIS CUNLIFFE	WATER 30"	06/02/81
V1326.1.17	213 ST S OF 96 AVE	WILLIS CUNLIFFE	ROADWORK 30"	06/02/81
V1359.1.13	68 AVE W OF 200 ST	WILLIS CUNLIFFE	DITCHES 18"	06/05/81
V1360.1.31	68 AVE W OF 200 ST	WILLIS CUNLIFFE	WATER SERV 18"	
V1361.1.31	68 AVE W OF 200 ST	WILLIS CUNLIFFE	ROADWORK 18"	
V1362.1.31	68 AVE W OF 200 ST	WILLIS CUNLIFFE	SIDEWALK 18"	
V1451.1.17	210 ST S OF 96 AVE	WILLIS CUNLIFFE	WATERMAIN 30"	07/14/81
V1534.1.17	208 & 96	WILLIS CUNLIFFE	WATER 30"	09/25/81
V1535.1.17	208 & 96	WILLIS CUNLIFFE	STORM 30"	
V1536.1.17	208 & 96	WILLIS CUNLIFFE	SANITARY 30"	
V1976	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1977	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1978	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1979	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1980	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1981	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1982	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1983	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1984	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1985	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1986	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1987	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1988	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1989	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1990	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1991	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	
V1992	LOUGHEED HWY	WILLIS CUNLIFFE	ROADWORK	

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V1993	LOUGHEED HWY	WILLIS CUNLIFFE	ELEC CONDUIT	
V1994	LOUGHEED HWY	WILLIS CUNLIFFE	ELEC CONDUIT	
V2084-1-51	100 AVE W OF 140 ST.	WILLIS CUNLIFFE	SIDEWALK	02/03/87
V 305-1-77	HICKEY RD W OF MATHEWSON	WILLIS CUNLIFFE & TAIT	ROADWORK	
V 305-1-77	RD "B" @ HICKEY ST. - COQ.	WILLIS CUNLIFFE & TAIT	ROAD CONSTRUCTION	
V 357	RD. "A", COMO LAKE SPURAWAY & MARINER	WILLIS CUNLIFFE & TAIT	ROAD	
V 373-1-19	198 ST. S. OF 96 AVE	WILLIS CUNLIFFE & TAIT	STREET LIGHTING	
V 420 (A-D)	11A AVE & 52 ST.	WILLIS CUNLIFFE & TAIT	ROAD, CURB, SIDEWALK, SEWER	
V 502-1-54	132 ST. W. OF 90 AVE.	WILLIS CUNLIFFE & TAIT	ROAD CONSTRUCTION	
V 503-1-54	132 ST. W. OF 90 AVE.	WILLIS CUNLIFFE & TAIT	12" STORM SEWER	08/22/77
V 572-1-42	96 AVE. AND 132 STREET	WILLIS CUNLIFFE & TAIT	SIDEWALK CONSTRUCTION	09/22/77
V3021	51 ST & 10A AVE	WILLIS CUNLIFFE & TAIT	STORM SEWER X-ING	10/25/84
V3022	51 ST & 10A AVE	WILLIS CUNLIFFE & TAIT	SANITARY SEWER XING	10/24/84
V3043	51 ST & 10A AVE	WILLIS CUNLIFFE & TAIT	WATERMAIN XING	12/03/84
V3653-1-41	8717 - 132 ST	WIRE ROPE INDUSTRIES	PAVING	
V3086-1-85	7583 VANTAGE PLACE	WOLF/COATES	DRIVEWAY - 24"	04/11/85
V3087-1-85	7583 VANTAGE PLACE	WOLF/COATES	DRIVEWAY - 36"	04/11/85
V3088-1-85	7583 VANTAGE PLACE	WOLF/COATES	FENCE - 24"	04/11/85
V3089-1-85	7583 VANTAGE PLACE	WOLF/COATES	FENCE-36"	04/11/85
V3526-1-96	18540 - LOUGHEED HWY	WOODALL, R	1" PVC WATER SERVICE	09/11/87
V 306-1-44	12257/59 - 101 AVE	WOODVEST DEVELOPMENT	DRIVEWAY, WATER SERVICE, POWER LINE	
V3180-1-568	8698 SHEPHARD WAY, DELTA	WOODVEST DEVELOPMENT MR.H.WOOD	HOUSE MOVING	
V 164-1-89	227 ST. & 121 AVE	YAMAUCHI, JOE	8" STORM	
V1189.1.31	19335 70 AVE.	ZABEL, MR.	18" TOPSOIL ADDITION 18"	06/08/81
V1238.1.31	19395 - 70 AVE.	ZACHARIAS, S	LANDFILL 18" MTP	
V1034-1-76	MAYFAIR INDUSTRIAL PARK COQ	ZENITH TRANSPORT	PAVED DRIVEWAY	12/12/79
V1036-1-76	MAYFAIR INDUSTRIAL PARL-COQ	ZENITH TRANSPORT	PAVED DRIVEWAY	
V3181	16685-63 AVE	ZIELINSKI, L	WATER SERVICE	04/28/87
V3182	16745-63 AVE	ZIELINSKI, L	WATER SERVICE	04/28/87
V 98-1-72	WESTMINSTER AVE - RICHMOND	ZYLMANS, W	15" CULVERT	

AMENDED
DISCLOSURE SCHEDULE 26
[Mainland Gas]

THIRD PARTY GRANTS

Licences to be granted by the Fraser River Harbour Commission in those instances where the licences presently held by Hydro are not transferable.

Licences to be granted by Vancouver Port Corporation.

DISCLOSURE SCHEDULE 27
[Mainland Gas]

THIRD PARTY INTERESTS

As described in Part F of Disclosure Schedule 8.

AMENDED

DISCLOSURE SCHEDULE 28
[Mainland Gas]

TRADEMARKS

TRADE NAMES, MARKETING NAMES, ETC.

1.

The logo for "Adapt 2 Gas" is written in a stylized, cursive script. The word "Adapt" is in a fluid, handwritten style, followed by a large, bold "2", and then the word "Gas" in a similar cursive font. The entire logo is underlined.

This name relates to the use of flexible small diameter copper or steel pipe to distribute gas throughout the customer's premises at 2 psig.

2.

The logo for "Natural Gas to Go" features the words "Natural Gas" in a serif font, with "to Go" in a smaller, sans-serif font below it. To the right of the text is a graphic consisting of several horizontal lines of varying lengths, creating a sense of motion or a stylized "G".The logo for "Natural Gas LEADS the way" features the words "Natural Gas" in a serif font, with "LEADS" in a large, bold, sans-serif font below it. The words "the way" are in a smaller, italicized, sans-serif font at the bottom. To the left of the text is a graphic consisting of several horizontal lines of varying lengths, creating a sense of motion or a stylized "G".

These words/graphics have been used in our marketing programs to promote the use of compressed natural gas for vehicles.

Watch us "COOKING WITH GAS"

at Viva '88

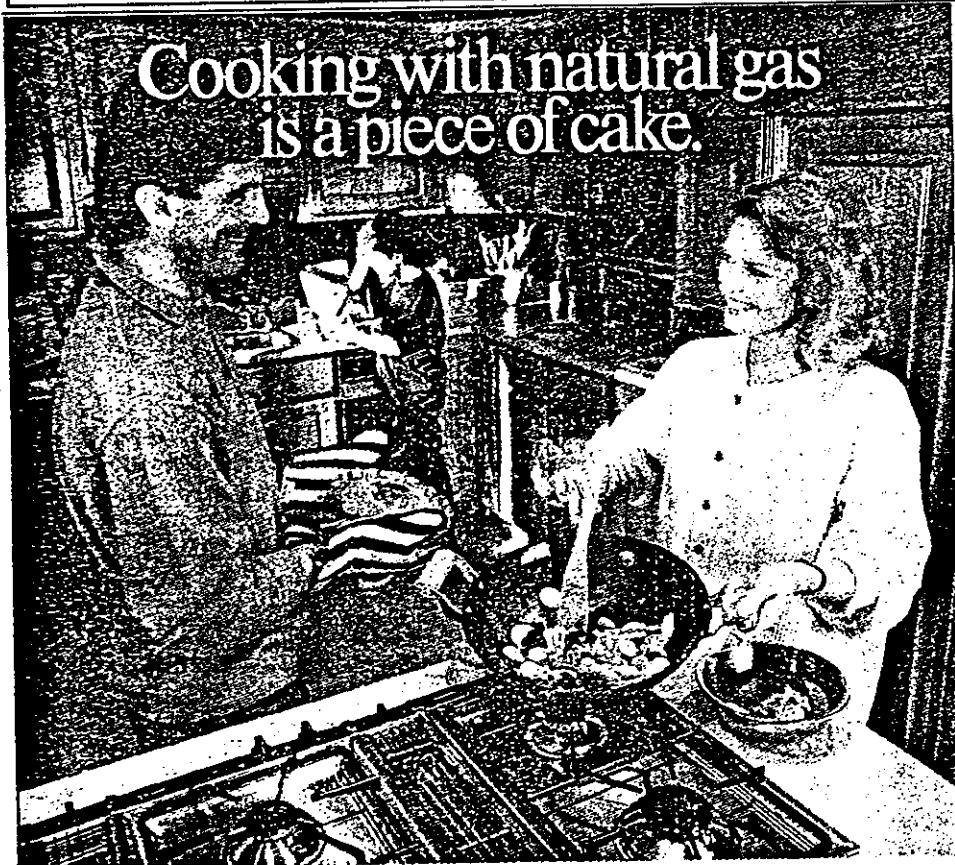
See some
of North
America's
most famous
chefs and cook-
book authors.

APPEARING ON THE CELEBRITY COOKING STAGE:

THURSDAY, MARCH 3: 12:30 JEAN HOARE;
1:30 GRACE CHANDY; 2:30 CAROL OLSON;
CAROL FERGUSON; 3:15 ELEANOR CLARK;
4:00 NICOLE PARTON; 4:45 SUSAN
CALDER; TERRY MOORE; 5:30 JULIE
WATSON; 6:15 KAREN CHASE; TRACY
BELL CAMPBELL; 7:00 JAMES MCNAIR;
8:00 ERIC LENZ
FRIDAY, MARCH 4: 12:30 DIANNE WHISBY;
PAT POLLARD; BARBARA DOELL; 1:30
JULIE WATSON; SUSAN CALDER; 2:30
MONA BRUNI; 3:15 TINA DREYER; 4:00
JAMES BARBER; CAROL FERGUSON; 4:45
CAROLAN DAVIS; CAROL OLSON; 5:30
ERIC LENZ; 6:15 PIERRE DUBRULLE; 7:00
ERIC LENZ; 8:00 ANGELA CLUBB; CAROL
FERGUSON.

SATURDAY, MARCH 5: 12:30 JOHN
EDWARDS; 1:15 CAROLAN DAVIS; KAREN
CHASE; TRACY BELL CAMPBELL; 2:00
NICOLE PARTON; 2:45 PIERRE DUBRULLE;
3:30 JULIE WATSON; ANGELA CLUBB; 4:15
MARY SALLOUM; 5:00 DIANNE WHISBY;
PAT POLLARD; BARBARA DOELL; 5:45
JAMES MCNAIR; KASEY WILSON; 6:30 ERIC
LENZ; 7:30 JULIUS POKONANDY; 8:15
JOYCE WEBSTER; MARGARET ECKFORD
SUNDAY, MARCH 6: 12:15 WENDY NEALE;
CHARLENE FOXCROFT; SALLY DE LA ROJE
BROWNE; 1:15 MARY SALLOUM; INGRID
KATHURA; 2:00 JAMES MCNAIR; 2:45 ERIC
LENZ; 3:30 JULIE WATSON; ANGELA
CLUBB; KASEY WILSON; 4:15 JOHN
EDWARDS; 5:15 JEAN HOARE.

SPONSORED BY



Cooking with natural gas
is a piece of cake.

Natural gas ranges, cook-
tops or ovens flick on in an
instant, ready to cook all your
meals with remarkable pre-
cision. That's why so many
professional chefs prefer this
modern fuel. It delivers heat
instantly with perfect control.
The result? Naturally deli-
cious meals, time after time.

Of course, natural gas is
great for more than just the
kitchen. It's perfect in the

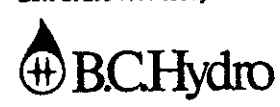
Easy Living
WITH NATURAL GAS

living room with a conven-
ient natural gas fireplace. It's
natural for the laundry room
with a cost-efficient dryer.
And out on your patio, a
natural gas heated hot tub,
lights and patio heaters put
fun into even cloudy days
and long, cool nights. With

our new Adapt-2 Gas system,
natural gas has never been
easier to install.

Natural gas. Meal time or
anytime, the living is easy.

Contact your appliance
dealer or gas contractor. For
literature, call our Gas Heat
Line at 293-7777 today.



**AMENDED
DISCLOSURE SCHEDULE 29
[Mainland Gas]**

UNFINISHED CONSTRUCTION

DESCRIPTION

A. Recurring Plant

- ° Fraser Valley - the installation of three new mains and two services to commercial premises.
- ° Metro - the installation of two main extensions and five complex services to mall and townhouse development.

B. Buildings, Facilities etc.

- ° HPB electrical upgrading
- ° Lochburn - security upgrading

C. Specific Plant Projects:

- ° Line break system - Mission Bridge
- ° LNG plant - cathodic protection
- transformer replacement
- ° Fraser Valley distribution centre - sprinkler system
- ° Fraser Gate telemetry
- ° Tilbury Valley telemetry prototype
- ° Gas Load Forecast Weather Information

**AMENDED
DISCLOSURE SCHEDULE 30
[Mainland Gas]**

VEHICLES

Page 1

GAS VEHICLES - JULY 15, 1988

VE- #	LICENCE	REGISTRN	MAKE	MPR YR	TYPE	YEAR IN SERV	CLASS CLAS	CLASS CDE
3331	LSC104	07177512	ASPEN	79	SEDAN 4DR PS PB	1980	12	B
3332	LSC105	07177792	ASPEN	79	SEDAN 4DR PS PB	1980	12	B
3333	LSC217	07577454	FAIRMONT	80	SEDAN 4DR PS PB	1981	12	B
3334	LSC218	07577453	FAIRMONT	80	SEDAN 4DR PS PB	1981	12	B
3335	LSC238	07797150	MALIBU	80	SEDAN 4DR PS PB	1981	12	B
3336	NJJC20	07797154	MALIBU	80	SEDAN 4DR PS PB	1981	12	B
3337	LSC269	07720665	MALIBU	80	SEDAN 4DR PS PB	1981	12	B
3338	LSC273	07454430	MALIBU	80	SEDAN 4DR PS PB	1981	12	B
3339	LSC281	07720665	MALIBU	80	SEDAN 4DR PS PB	1981	12	B
3340	LSC293	07791359	MALIBU	80	SEDAN 4DR PS PB	1981	12	B
3341	LSC300	07454290	MALIBU	80	SEDAN 4DR PS PB	1981	12	B
3342	LSC335	08413675	FAIRMONT	81	SEDAN 4DR PS PB	1982	12	B
3343	LSC342	08266893	FAIRMONT	81	SEDAN 4DR PS PB	1982	12	B
3344	LSC363	08266547	FAIRMONT	81	SEDAN 4DR PS PB	1982	12	B
3345	LSC354	08266890	FAIRMONT	81	SEDAN 4DR PS PB	1982	12	B
3346	LSC365	08266885	FAIRMONT	81	SEDAN 4DR PS PB	1982	12	B
3347	LSC369	08266905	FAIRMONT	81	SEDAN 4DR PS PB	1982	12	B
3348	LSC411	08158354	FAIRMONT	81	SEDAN 4DR PS PB	1982	12	B
3349	LSC412	08158355	FAIRMONT	81	SEDAN 4DR PS PB	1982	12	B
3350	LSC413	07943824	FAIRMONT	81	SEDAN 4DR PS PB	1982	12	B
3351	LSC427	07944025	FAIRMONT	81	SEDAN 4DR PS PB	1982	12	B
3352	LSC446	08287304	RELIANT	81	SEDAN 4DR PS PB	1982	12	B
3353	LSC451	08287315	RELIANT	81	SEDAN 4DR PS PB	1982	12	B
3354	LSC478	08505730	RELIANT	82	SEDAN 4DR PS PB	1983	12	B
3355	LSC489	08632105	RELIANT	82	SEDAN 4DR PS PB	1983	12	B
3356	LSC498	08505716	RELIANT	82	SEDAN 4DR PS PB	1983	12	B
3357	LSC503	08632165	RELIANT	82	SEDAN 4DR PS PB	1983	12	B
3358	LSC551	07952772	ARIES	82	SEDAN 4DR PS PB	1983	12	B
3359	LSC554	08388866	ARIES	82	SEDAN 4DR PS PB	1983	12	B
3360	LSC563	09369579	ARIES	82	SEDAN 4DR PS PB	1983	12	B
3361	LSC572	08382555	ARIES	82	SEDAN 4DR PS PB	1983	12	B
3362	LSC574	07953926	ARIES	82	SEDAN 4DR PS PB	1983	12	B
3363	LSC579	07953938	ARIES	82	SEDAN 4DR PS PB	1983	12	B
3364	LSC581	08382558	ARIES	82	SEDAN 4DR PS PB	1983	12	B
3365	LSC592	05382464	ARIES	82	SEDAN 4DR PS PB	1983	12	B
3366	LSC721	04029929	ARIES	85	SEDAN 4DR PS PB	1986	12	A
3367	LSC722	04029930	ARIES	85	SEDAN 4DR PS PB	1986	12	A
3368	LSE666	05255128	ARIES	86	SEDAN 4DR PS PB	1987	12	A
3369	LSE667	05255133	ARIES	86	SEDAN 4DR PS PB	1987	12	A
3370	LSE668	05255137	ARIES	86	SEDAN 4DR PS PB	1987	12	A
3371	LSE669	05255158	ARIES	86	SEDAN 4DR PS PB	1987	12	A
3372	LSE825	05643767	RELIANT	87	SEDAN 4DR PS PB	1988	12	A
3373	LSE783	05637902	RELIANT	87	SEDAN 4DR PS PB	1988	12	A
3374	LSE827	05643795	RELIANT	87	SEDAN 4DR PS PB	1988	12	A
3375	LSE830	05643598	RELIANT	87	SEDAN 4DR PS PB	1988	12	A
3376	LSE813	05642157	RELIANT	87	SEDAN 4DR PS PB	1988	12	A
3377	LSE814	05642161	RELIANT	87	SEDAN 4DR PS PB	1988	12	A
3378	XME670	05916585	ARIES	88	SEDAN 4DR PS PB	1989	12	A
3379	XME671	05916593	ARIES	88	SEDAN 4DR PS PB	1989	12	A
3380	XME672	05916587	ARIES	88	SEDAN 4DR PS PB	1989	12	A
3381	XME673	05916594	ARIES	88	SEDAN 4DR PS PB	1989	12	A

GAS VEHICLES - JULY 15, 1988

EN #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS CLAS	CDE
NUMBER OF VEHICLES, THIS CLASS: 51								
000	XME029	09307500	BUICK	83	SEDAN 4DR CNG	15	B	
042	LSE702	05609193	OLDS	87	SEDAN 4DR	15	A	
NUMBER OF VEHICLES, THIS CLASS: 2								
840	LSC667	09573136	CELEBRITY	84	STATION WAGON	1985	18	A
841	LSC689	09573129	CELEBRITY	84	STATION WAGON	1985	18	A
851	LSC690	09573123	CELEBRITY	84	STATION WAGON	1985	18	A
852	LSC699	09573162	CELEBRITY	84	STATION WAGON	1985	18	A
853	LSC700	09670683	CELEBRITY	84	STATION WAGON	1985	18	A
854	LSE732	05289999	RELIANT	86	STATION WAGON	1987	18	A
855	LSE733	05295129	RELIANT	86	STATION WAGON	1987	18	A
856	LSE734	05305062	RELIANT	86	STATION WAGON	1987	18	A
857	LSE735	05321255	RELIANT	86	STATION WAGON	1987	18	A
858	LSE736	05355832	RELIANT	86	STATION WAGON	1987	18	A
859	LSE730	05637529	ARIES	87	STATION WAGON	1988	18	A
NUMBER OF VEHICLES, THIS CLASS: 11								
860	LSE576	07841411	MALIBU	81	STATION WAGON	1982	19	B
861	LSC384	07841487	MALIBU	81	STATION WAGON	1982	19	B
862	LSC385	07841444	MALIBU	81	STATION WAGON	1982	19	B
863	LSC386	07841493	MALIBU	81	STATION WAGON	1982	19	B
864	LSC387	07841443	MALIBU	81	STATION WAGON	1982	19	B
865	LSC532	08621377	MALIBU	82	STATION WAGON	1983	19	B
866	LSC537	08621363	MALIBU	82	STATION WAGON	1983	19	B
867	LSC545	08621388	MALIBU	82	STATION WAGON	1983	19	B
868	LSC605	08621416	MALIBU	82	STATION WAGON	1983	19	B
869	LSC605	08621372	MALIBU	82	STATION WAGON	1983	19	B
870	LSC606	08621374	MALIBU	82	STATION WAGON	1983	19	B
871	LSC613	08621407	MALIBU	82	STATION WAGON	1983	19	B
NUMBER OF VEHICLES, THIS CLASS: 12								
013	0043MB	04821070	DODGE	85	MINI RAM VAN	1986	21	A
016	1747NB	05045459	DODGE	85	MINI RAM VAN	1986	21	A
6017	9526NW	05100324	DODGE	85	MINI RAM VAN	1986	21	A
6019	0046MB	04821077	DODGE	85	MINI RAM VAN	1986	21	A
6021	1749NB	05045471	DODGE	85	MINI RAM VAN	1986	21	A
6023	0000MB	04771886	DODGE	85	MINI RAM VAN	1986	21	A
6024	9648NW	05287142	DODGE	86	CARAVAN RR SEAT	1987	21	A
6025	9649NW	05287150	DODGE	86	CARAVAN RR SEAT	1987	21	A
6026	9650NW	05287156	DODGE	86	CARAVAN RR SEAT	1987	21	A
6027	9651NW	05287158	DODGE	86	CARAVAN RR SEAT	1987	21	A
6028	9652NW	05287187	DODGE	86	CARAVAN RR SEAT	1987	21	A
6029	9667NW	05287284	DODGE	86	CARAVAN RR SEAT	1987	21	A
6030	9959NW	05637995	DODGE	87	CARAVAN RR SEAT	1988	21	A
6031	9962NW	05638006	DODGE	87	CARAVAN RR SEAT	1988	21	A
6032	9968NW	05638047	DODGE	87	CARAVAN RR SEAT	1988	21	A
6033	9140RP	05922062	DODGE	88	CARAVAN RR SEAT	1989	21	A
6034	9141RP	05922067	DODGE	88	CARAVAN RR SEAT	1989	21	A
6035	9142RP	05922069	DODGE	88	CARAVAN RR SEAT	1989	21	A

GAS VEHICLES - JULY 15, 1958

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR CLASS		
						IN SERV	CLAS	CDE
5559	9145RP	05922055	DODGE	88	CARAVAN RR SEAT	1989	21	A
5570	9143RP	05922072	DODGE	88	CARAVAN RR SEAT	1989	21	A
5571	9146RP	05922072	DODGE	88	CARAVAN RR SEAT	1989	21	A
5572	9144RP	05922078	DODGE	88	CARAVAN RR SEAT	1989	21	A
5573	9147RP	05922099	DODGE	88	CARAVAN RR SEAT	1989	21	A
5574	9145RP	05922101	DODGE	88	CARAVAN RR SEAT	1989	21	A
5575	9149RP	05922105	DODGE	88	CARAVAN RR SEAT	1989	21	A
5576	5350RY	05922109	DODGE	88	CARAVAN RR SEAT	1989	21	A
5577	5351RY	05922112	DODGE	88	CARAVAN RR SEAT	1989	21	A
5578	5352RY	05922115	DODGE	88	CARAVAN RR SEAT	1989	21	A
5579	5353RY	05922123	DODGE	88	CARAVAN RR SEAT	1989	21	A
NUMBER OF VEHICLES, THIS CLASS: 29								
5581	9580NW	05219571	NISSAN	87	PICKUP 1/4 SPR CB CPY	1987	22	A
NUMBER OF VEHICLES, THIS CLASS: 1								
5585	5585NW	07791263	CHEV	80	VANDURA 110 WDW	1981	23	B
5587	5585NW	07791264	CHEV	80	VANDURA 110 WDW	1981	23	B
5582.1	5589NW	08343548	CHEV	81	VANDURA 110 WDW	1982	23	B
5582.2					CNG CONV'N	1986	23	A
5583	9560NW	08374803	CHEV	82	VANDURA 110 WDW	1983	23	B
5584	5105NW	08374835	CHEV	82	VANDURA 110 WDW	1983	23	B
5585	6185NW	08122400	GMC	82	VANDURA 110 WDW	1983	23	B
5586	6310NW	04218252	DODGE	84	TRADESMAN 109 WDW SL DR	1985	23	A
5587.1	6350NW	09786159	DODGE	84	TRADESMAN 109 WDW SL DR	1985	23	A
5587.2					CNG CONV'N	1986	23	A
5588	6351NW	04218200	DODGE	84	TRADESMAN 109 WDW SL DR	1985	23	A
5589	LSC629	09120045	GMC	84	HARDTOP RR SEAT	1985	23	A
5590	LSC632	09120045	GMC	84	HARDTOP RR SEAT	1985	23	A
5591	LSC634	09785954	GMC	84	HARDTOP RR SEAT	1985	23	A
5592	LSC635	09785955	GMC	84	HARDTOP RR SEAT	1985	23	A
5593	9642NW	05266593	CHEV	86	PICKUP 1/2 CPY	1987	23	A
5594	9693NW	05309524	CHEV	86	VANDURA 110 WDW SL DR	1987	23	A
5595	9695NW	05309490	CHEV	86	VANDURA 110 WDW SL DR	1987	23	A
5596	9696NW	05309493	CHEV	86	VANDURA 110 WDW SL DR	1987	23	A
5597	9726NW	05321228	CHEV	86	VANDURA 110 WDW SL DR	1987	23	A
5598	9734NW	05321226	CHEV	86	VANDURA 110 WDW SL DR	1987	23	A
5599	9736NW	05321229	CHEV	86	VANDURA 110 WDW SL DR	1987	23	A
5600	9737NW	05321234	CHEV	86	VANDURA 110 WDW SL DR	1987	23	A
5601	9999NW	05568282	CHEV	87	VANDURA 110 WDW SL DR	1988	23	A
NUMBER OF VEHICLES, THIS CLASS: 22								
5602	6006NW	07841002	CHEV	81	PICKUP 3/4	1982	24	B
5603	6007NW	07841003	CHEV	81	PICKUP 3/4	1982	24	B
5604	6469NW	04744301	GMC	85	PICKUP 3/4	1986	24	A
NUMBER OF VEHICLES, THIS CLASS: 3								
5605	5422NW	06641061	GMC	79	VANDURA 125 WDW	1980	25	B
5606	5465NW	06641063	GMC	79	VANDURA 125 WDW	1980	25	B
5607	5556NW	07644164	DODGE	80	TRADESMAN 127 WDW	1981	25	B
5608	0042NX	07791365	CHEV	80	VANDURA 125	1981	25	B

GAS VEHICLES - JULY 15, 1998

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS	CEE
4275	5595NW	07454477	CHEV	80	VANDURA 125 WDW	1981 25	B	
4278	5595NW	07791362	CHEV	80	VANDURA 125	1981 25	B	
4279	5595NW	07751375	CHEV	80	VANDURA 125	1981 25	B	
4280	5603NW	07454489	CHEV	80	VANDURA 125 WDW	1981 25	B	
4274	5780NW	08296070	GMC	81	VANDURA 125 WDW	1982 25	B	
4281	5780NW	08296073	GMC	81	VANDURA 125 WDW	1982 25	B	
4282	5896NW	07934079	GMC	81	VANDURA 125 WDW	1982 25	B	
4283	5954NW	08343577	CHEV	81	VANDURA 125 WDW	1982 25	B	
4284	5985NW	08343559	CHEV	81	VANDURA 125 WDW	1982 25	B	
5101	5992NW	08343565	CHEV	81	VANDURA 125 WDW	1982 25	B	
5343	6108NW	08853602	DODGE	82	TRADESMAN 127 WDW	1983 25	B	
5322	6117NW	08853606	DODGE	82	TRADESMAN 127 WDW	1983 25	B	
5355	6120NW	08853743	DODGE	82	TRADESMAN 127 WDW	1983 25	B	
5356	6121NW	08853631	DODGE	82	TRADESMAN 127 WDW	1983 25	B	
5355	6290NW	08122391	GMC	82	VANDURA 125 WDW	1983 25	B	
5356	6291NW	07852895	GMC	82	VANDURA 125 WDW	1983 25	B	
5357	6366NW	09786195	DODGE	84	TRADESMAN 127 WDW SL DR	1985 25	A	
5358	9945NW	04029949	DODGE	85	TRADESMAN 127 WDW SL DR	1985 25	A	
5359	9804NW	05356586	CHEV	86	VANDURA 125 WDW SL DR	1987 25	A	
5422.1	9891NW	05543793	FORD	87	ECONOLINE 138 WDW SL DR LEASE	1988 25	A	
5422.2					BINS INSTALLED ON 6422			
					NUMBER OF VEHICLES, THIS CLASS: 24			
	LSC701	04218302	GMC	85	HARDTOP 4X4 E WN RR SEAT	1986 30	A	
					NUMBER OF VEHICLES, THIS CLASS: 1			
4950	5967NW	07934003	GMC	81	PICKUP 3/4 4X4 WINCH	1982 32	B	
					NUMBER OF VEHICLES, THIS CLASS: 1			
5459.1	6235NW	07852579	GMC	82	SUBURBAN 3/4 4X4 WINCH	1983 33	B	
5459.2						1984 33	A	
5133	9697NW	05309495	CHEV	86	VANDURA 110 WDW SL DR CNG	1987 33	A	
					NUMBER OF VEHICLES, THIS CLASS: 2			
4214	5024NW	04272100	FORD	75	FLAT DECK WELDER 1183	1975 41	B	
4215	5025NW	04272101	FORD	75	FLAT DECK-WELDER 1181	1976 41	B	
4284.1	5580NW	07450149	GMC	80	FLAT DECK 8FT6 1500LB TG	1981 41	B	
4284.2						1982 41	B	
4473.1	5664NW	07569408	FORD	80	FLAT DECK WELDER 1162	1981 41	B	
4473.2						1970 41	B	
5220	6038NW	09162033	FORD	81	FLAT DECK WELDER 1171	1982 41	B	
6206.1	9936NW	05626995	CHEV	86	FLAT DECK DUALS WELDER 1297	1987 41	A	
6206.2						1974 41	B	
915X	6478NW	03217179	DODGE	74	FLAT DECK IT WELDER 1184	1975 41	B	
916X	6479NW	03291220	DODGE	74	FLAT DECK IT WELDER 1180	1975 41	B	
					NUMBER OF VEHICLES, THIS CLASS: 8			
2087	5011NW	03975933	FORD	75	VAN 10FT ROLL DOOR 2000LB TG	1976 42	B	
					NUMBER OF VEHICLES, THIS CLASS: 1			
3787	5378NW	07092875	GMC	79	CUTAWAY 12FT ALUM AC & 1032	1980 43	B	

GAS VEHICLES - JULY 15, 1988

VER #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS	CLAS CODE
NUMBER OF VEHICLES, THIS CLASS: 1								
5135	6052NW	08229602	INTL	82	DUMP 4/5 YD	1982	44	B
5143.1	6060NW	08388767	INTL	82	VAN 16FT ALUM 4000LB TG DSL	1982	44	B
5243.2						1983	44	B
6404.1	9069RP	05695628	INTL	86	DUMP 4-5YD DSL	1987	44	A
6404.2						1977	44	B
NUMBER OF VEHICLES, THIS CLASS: 3								
4859.1	5899NW	08388223	INTL	81	GAS DRILL-SNIFFER SULLAIR 125	1982	45	B
4859.2						1983	45	B
4859.3						1970	45	B
6402	9918NW	05621846	INTL	86	DUMP(76) 4-5YD DSL	1987	45	A
NUMBER OF VEHICLES, THIS CLASS: 2								
5175.1	5196NW	05503922	FORD	77	FL DK 12FT HL70B(64)	1978	48	B
5175.2						1964	48	B
5196.1	6053NW	08388656	INTL	82	FL DK ATLAS 3006(76)	1982	48	B
NUMBER OF VEHICLES, THIS CLASS: 2								
3342.1	5236NW	06440405	FORD	78	FL DK 12FT ATLAS 3006 AIR	1978	49	B
3342.2						1977	49	B
3342.3						1979	49	B
5145.1	5725NW	07643162	INTL	81	TRACTOR HIAB 1165AW AIR T937	1981	49	B
5914.1	6062NW	08388215	INTL	82	FL DK 16FT HIAB 950(76)AIRDSL	1982	49	B
5914.2	9532NW	05107900	INTL	85	FL DK 16FT ATLAS 3006(76)	1986	49	A
6401.1	9877NW	05503074	INTL	86	FL DK 16FT ATLAS 3006(75) AIR*	1987	49	A
6401.2						1975	49	B
6407.1	9130RP	05865031	INTL	86	FL DK 18FT ATLAS 3006(79)DLAR*	1987	49	A
6407.2						1988	49	A
NUMBER OF VEHICLES, THIS CLASS: 6								
389X.1	5435NW	04251910	CHEV	74	WALKIN 10FT PS	1975	52	B
389X.2						1974	52	B
397X	5445NW	03192870	CHEV	74	WALKIN 10FT PS	1975	52	B
NUMBER OF VEHICLES, THIS CLASS: 2								
759W	4993NW	04548755	GMC	75	WALKIN 10FT PS	1976	53	B
259W	5012NW	04548800	GMC	75	WALKIN 12FT PS	1976	53	B
211W	5014NW	04548770	GMC	75	WALKIN 12FT PS	1976	53	B
2439	5065NW	04679806	GMC	77	WALKIN 12FT	1977	53	B
2500	5066NW	04679807	GMC	77	WALKIN 12FT	1977	53	B
2501	5067NW	04679808	GMC	77	WALKIN 12FT	1977	53	B
2502	5068NW	04681610	GMC	77	WALKIN 12FT	1977	53	B
2503	5069NW	04679938	GMC	77	WALKIN 12FT	1977	53	B
3358	5251NW	06441291	CHEV	78	WALKIN 12FT	1979	53	B
3366	5258NW	06441037	CHEV	78	WALKIN 12FT	1978	53	B
3369	5260NW	06440418	CHEV	78	WALKIN 12FT	1979	53	B
NUMBER OF VEHICLES, THIS CLASS: 11								

GAS VEHICLES - JULY 15, 1988

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS CLAS	CDE
3804	5395NW	07040407	CHEV	79	WALKIN 12FT ALUM	1980	54	B
4531	5706NW	07648635	CHEV	80	WALKIN 14FT ALUM	1981	54	B
4532	5707NW	07648634	CHEV	80	WALKIN 14FT ALUM	1981	54	B
4533	5710NW	07643175	CHEV	80	WALKIN 14FT ALUM	1981	54	B
4850	5882NW	08388695	GMC	81	WALKIN 14FT ALUM	1982	54	B
4851	5883NW	08388696	GMC	81	WALKIN 14FT ALUM	1982	54	B
4852	5884NW	08388697	GMC	81	WALKIN 14FT ALUM	1982	54	B
4853	5885NW	08388698	GMC	81	WALKIN 14FT ALUM	1982	54	B
4854	5886NW	08388699	GMC	81	WALKIN 14FT ALUM	1982	54	B
4855	5887NW	08388696	GMC	81	WALKIN 14FT ALUM	1982	54	B
4856	5888NW	08388695	GMC	81	WALKIN 14FT ALUM	1982	54	B
5893	9528NW	05103297	GMC	85	WALKIN 14FT ALUM	1986	54	A
5894	9530NW	05103294	GMC	85	WALKIN 14FT ALUM	1986	54	A
5895	9529NW	05103289	GMC	85	WALKIN 14FT ALUM	1986	54	A
NUMBER OF VEHICLES, THIS CLASS: 14								
5898	9566NW	05166257	GMC	85	WALKIN 14FT ALUM DSL HD	1986	55	A
5892	9541NW	05128431	GMC	85	WALKIN 14FT ALUM DSL HD	1986	55	A
5418	9112RP	05219071	GMC	87	WALKIN 14FT ALUM DSL	1988	55	A
NUMBER OF VEHICLES, THIS CLASS: 3								
207W	5009NW	04548787	GMC	75	WALKIN 12FT PS SULLAIR	1976	57	B
NUMBER OF VEHICLES, THIS CLASS: 1								
195W	4997NW	04548713	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B
196W	4998NW	04548735	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B
198W	4999NW	04548724	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B
201W	5000NW	04548751	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B
202W	5001NW	04548729	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B
203W	5003NW	04548752	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B
204W.1	5004NW	04548716	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B
204W.2						1977	58	B
210W	5005NW	04548788	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B
212W.1	5013NW	04548782	GMC	75	WALKIN 12FT PS COMP	1976	58	B
212W.2	5015NW	04548767	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B
298W						1977	58	B
378X.1	9123RP	04548734	GMC	75	WALKIN 14FT PS SULLAIR	1976	58	B
378X.2	5303NW	03286808	CHEV	74	WALKIN 14FT PS SULLAIR	1975	58	B
4521.1	5372NW	03192197	CHEV	74	WALKIN 12FT PS COMP	1975	58	B
4521.2	5874NW	07820970	GMC	80	WALKIN 14FT ALUM SULLAIR 85	1982	58	B
NUMBER OF VEHICLES, THIS CLASS: 14								
3329.1	5226NW	05773072	FORD	77	GAS CONST COMPAIR 85	1978	59	B
3329.2						1979	59	B
3330.1	5227NW	05773071	FORD	77	GAS CONST COMPAIR 85	1978	59	B
3330.2						1979	59	B
4365.1	5584NW	07643181	CHEV	80	WALKIN 14FT ALUM SULLAIR 125	1981	59	B
4365.2						1982	59	B
4521.1	5695NW	08382031	CHEV	80	GAS CONST DAVEY 125	1981	59	B
4521.2						1982	59	B

GAS VEHICLES - JULY 15, 1988

PL #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS CLAS CDE
4522	5697NW	08382141	CHEV	80	GAS CONST SULLAIR 125	1981 59	B
4523.1	5698NW	08382142	CHEV	80	GAS CONST SULLAIR 125	1981 59	B
4523.2						1982 59	B
4524.1	5699NW	08382030	CHEV	80	GAS CONST SULLAIR 125	1981 59	B
4524.2						1982 59	B
4525.1	5700NW	07829229	CHEV	80	GAS CONST SULLAIR 125	1981 59	B
4525.2						1982 59	B
4526.1	5701NW	07829230	CHEV	80	GAS CONST SULLAIR 125	1981 59	B
4526.2						1982 59	B
4527.1	5702NW	07829231	CHEV	80	GAS CONST DAVEY 125	1981 59	B
4527.2						1982 59	B
4528.1	5703NW	08382026	CHEV	80	GAS CONST SULLAIR 125	1981 59	B
4528.2						1982 59	B
4529.1	5711NW	07643176	CHEV	80	WALKIN 14FT ALUM SULLAIR 125	1981 59	B
4529.2						1982 59	B
4530.1	5712NW	07643177	CHEV	80	WALKIN 14FT ALUM SULLAIR 125	1981 59	B
4530.2						1982 59	B
4531.1	5713NW	07643178	CHEV	80	WALKIN 14FT ALUM SULLAIR 125	1981 59	B
4531.2						1982 59	B
4538	5870NW	07826953	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982 59	B
4539	5871NW	07826956	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982 59	B
4540	5872NW	07826976	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982 59	B
	5873NW	07826975	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982 59	B
	5875NW	07826937	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982 59	B
	5876NW	07826973	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982 59	B
4545.1	5877NW	08388706	GMC	81	WALKIN 14FT ALUM SULLAIR 125	1983 59	B
4545.2						1982 59	B
4546.1	5878NW	08388815	GMC	81	WALKIN 14FT ALUM SULLAIR 125	1983 59	B
4546.2						1982 59	B
4547	5879NW	08388704	GMC	81	WALKIN 14FT ALUM SULLAIR 125	1983 59	B
5233.1	6050NW	08382492	INTL	82	GAS CONST SULLAIR 125	1982 59	B
5233.2						1983 59	B
5234.1	6051NW	08382493	INTL	82	GAS CONST SULLAIR 125	1982 59	B
5235.1	6052NW	08388814	INTL	82	GAS CONST SULLAIR 125	1982 59	B
5235.2						1983 59	B
5239.1	6055NW	08382503	INTL	82	GAS CONST SULLAIR 125	1982 59	B
5239.2						1983 59	B
5240.1	6057NW	08382504	INTL	82	GAS CONST SULLAIR 125	1982 59	B
5241.1	6058NW	08382510	INTL	82	GAS CONST SULLAIR 125	1982 59	B
5241.2						1983 59	B
5242.1	6059NW	08382509	INTL	82	GAS CONST SULLAIR 125	1982 59	B
5242.2						1983 59	B
5424.1	6172NW	09119927	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1983 59	B
5424.2						1984 59	B
5425	6173NW	09119928	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1984 59	B
5426	6174NW	09119925	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1984 59	B
5427	6175NW	09119924	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1984 59	B
5428	6184NW	09786014	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1983 59	B
5584	9564NW	05166244	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986 59	A
5585	9565NW	05166254	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986 59	A
5587	9567NW	05166259	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986 59	A

GAS VEHICLES - JULY 15, 1988

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR CLASS		
						IN	CLAS	CDE
5898	9569NW	05166263	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986	59	A
5899	9569NW	05166266	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986	59	A
5420	9137RP	05970509	GMC	87	WALKIN 14FT ALUM SULLAIR 125	1986	59	A
5421.1	9138RP	05914144	GMC	87	WALKIN 14FT ALUM SULLAIR 125	1986	59	A
5421.2						1977	59	B
NUMBER OF VEHICLES, THIS CLASS: 42								
4262	LSC265	07571676	FAIRMONT	80	SEDAN 4DR PS PB CNG	1981	72	B
4300	LSC213	07571620	FAIRMONT	80	SEDAN 4DR PS PB CNG	1981	72	B
4310	LSC222	07797153	MALIBU	80	SEDAN 4DR PS PB CNG	1981	72	B
4316	LSC228	07797250	MALIBU	80	SEDAN 4DR PS PB CNG	1981	72	B
4789	LSC334	08175467	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72	B
4802	LSC347	08266902	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72	B
4804	LSC349	08266903	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72	B
4809	LSC354	08175465	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72	B
4806	LSC370	08175466	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72	B
5126	LSC410	07943826	FAIRMONT	81	SEDAN 4DR PS PB CNG	1984	72	B
5147	LSC428	07943891	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72	B
5150	LSC431	07943893	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72	B
5151	LSC432	07943886	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72	B
5152	LSC433	07944030	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72	B
5153	LSC466	08287321	RELIANT	81	SEDAN 4DR PS PB CNG	1982	72	B
5154	LSC471	08287330	RELIANT	81	SEDAN 4DR PS PB CNG	1982	72	B
5155.1	LSC588	07953925	ARIES	82	SEDAN 4DR PS PB CNG	1983	72	B
5155.2						1986	72	A
5616	LSC589	07953929	ARIES	82	SEDAN 4DR PS PB CNG	1983	72	B
5617	LSC590	07953924	ARIES	82	SEDAN 4DR PS PB	1983	72	B
5627	LSC600	08388657	ARIES	82	SEDAN 4DR PS PB CNG	1983	72	B
5801.1	LSC649	09786076	ARIES	84	SEDAN 4DR PS PB CNG	1984	72	A
5801.2						1986	72	A
5833	LSC680	09786107	ARIES	84	SEDAN 4DR PS PB CNG	1984	72	A
NUMBER OF VEHICLES, THIS CLASS: 22								
5340.1	LSC522	08293085	ARIES	82	STATION WAGON PS PB CNG	1983	75	B
5340.2						1986	75	A
NUMBER OF VEHICLES, THIS CLASS: 1								
6682	5354RY	05922126	DODGE	88	CARAVAN RR SEAT CNG	1989	77	A
NUMBER OF VEHICLES, THIS CLASS: 1								
4155	5510NW	06883871	GMC	80	VANDURA 110 WDW CNG	1980	78	B
4953	5970NW	08342549	CHEV	81	VANDURA 110 WDW CNG	1982	78	B
5917	0034MB	04805442	FORD	85	ECONOLINE 124 WDW SL DR CNG	1986	78	A
5126	9694NW	05309488	CHEV	86	VANDURA 110 WDW SL DR CNG	1987	78	A
NUMBER OF VEHICLES, THIS CLASS: 4								
4164	5500NW	06883876	GMC	80	VANDURA 125 WDW FIBRE ROOF CNG	1980	80	B
4374.1	5594NW	07454480	CHEV	80	VANDURA 125 WDW CNG	1981	80	B
4374.2						1986	80	A
4376.1	5596NW	07454478	CHEV	80	VANDURA 125 WDW CNG	1981	80	B
4376.2						1986	80	A

GAS VEHICLES - JULY 15, 1988

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR	CLASS	
						IN SERV	CLAS CDE	
4277	5597NW	07454481	CHEV	80	VANDURA 125 WDW CNG	1981 80	B	
4675	5781NW	08296067	GMC	81	VANDURA 125 WDW CNG	1982 80	B	
4676	5782NW	08296071	GMC	81	VANDURA 125 WDW CNG	1982 80	B	
4888	5979NW	8343572	CHEV	81	VANDURA 125 WDW CNG	1982 80	B	
4889	5980NW	08343573	CHEV	81	VANDURA 125 WDW CNG	1982 80	B	
4990	9885NW	08343574	CHEV	81	VANDURA 125 WDW CNG	1982 80	B	
4991	5982NW	08343575	CHEV	81	VANDURA 125 WDW CNG	1982 80	B	
4992.1	5983NW	08343576	CHEV	81	VANDURA 125 WDW CNG	1982 80	B	
4992.2						1986 80	A	
5342.1	6107NW	08853601	DODGE	82	TRADESMAN 127 WDW CNG	1983 80	B	
5342.2						1986 80	A	
5346.1	6111NW	08853611	DODGE	82	TRADESMAN 127 WDW CNG	1983 80	B	
5349	6114NW	08853602	DODGE	82	TRADESMAN 127 WDW CNG	1983 80	B	
5350	6115NW	08853603	DODGE	82	TRADESMAN 127 WDW CNG	1983 80	B	
5353	6118NW	08853605	DODGE	82	TRADESMAN 127 WDW CNG	1983 80	B	
5354	6119NW	08853604	DODGE	82	TRADESMAN 127 WDW CNG	1983 80	B	
5445	6192NW	08122364	GMC	82	VANDURA 125 WDW CNG	1983 80	B	
5446	6193NW	08122362	GMC	82	VANDURA 125 WDW CNG	1983 80	B	
5590.1	6285NW	08122390	GMC	82	VANDURA 125 WDW CNG	1983 80	B	
5590.2						1986 80	A	
5592.1	6287NW	07852861	GMC	82	VANDURA 125 WDW CNG	1983 80	B	
5592.2						1986 80	A	
5593.1	6289NW	07852863	GMC	82	VANDURA 125 WDW CNG	1983 80	B	
5593.2						1986 80	A	
5597	6292NW	08122366	GMC	82	VANDURA 125 WDW CNG	1983 80	B	
5722.1	6359NW	09786192	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985 80	A	
5722.2						1987 80	A	
5723.1	6360NW	09786193	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985 80	A	
5723.2						1986 80	A	
5724	6361NW	09786194	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985 80	A	
5725.1	6362NW	09120053	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985 80	A	
5725.2						1986 80	A	
5728.1	6365NW	04218215	DODGE	84	TRADESMAN 127 WDW MAXI FBR CNG	1985 80	A	
5728.2						1986 80	A	
5730	6369NW	09786195	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985 80	A	
5731.1	6369NW	09645880	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985 80	A	
5731.2						1986 80	A	
5732	6370NW	09786197	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985 80	A	
5921	0049HB	04827677	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986 80	A	
5923	1725NB	04827695	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986 80	A	
5924	1726NB	04827690	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986 80	A	
5927	0029HB	04797418	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986 80	A	
5928	0030HB	04797422	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986 80	A	
6148	9789NW	05356558	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6149	9790NW	05356563	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6150	9791NW	05356567	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6154	9792NW	05356572	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6155	9798NW	05356548	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6156	9799NW	05356555	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6159	9793NW	05356578	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6160	9794NW	05356594	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	

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VEN #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS CLAS	CODE
6162	9800NW	05356561	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6163	9795NW	05356592	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6164	9795NW	05356505	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6165	9797NW	05356529	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6167	9801NW	05356568	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6174	9836NW	05413408	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6175	9802NW	05356573	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6176	9803NW	05356906	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 90	A	
6178	9837NW	05413397	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6179	9838NW	05413407	CHEV	86	VANDURA 125 WDW SL DR CNGRST	1987 80	A	
6180	9805NW	05356591	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6181	9806NW	05356596	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6182	9807NW	05356601	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6183	9808NW	05356628	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6184	9809NW	05356634	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
6185	9810NW	05356637	CHEV	86	VANDURA 125 WDW SL DR CNG	1987 80	A	
NUMBER OF VEHICLES, THIS CLASS: 60								
2881.1	5135NW	05372857	GMC	77	FL DK 17FT SKB9TH52 CNG	1978 85	B	
2881.2						1986 85	A	
5244.1	6061NW	08388722	INTL	82	FL DK ATLAS 3006 CNG	1982 85	B	
5244.2						1980 85	B	
5244.3						1971 85	B	
NUMBER OF VEHICLES, THIS CLASS: 2								
1162			LINCOLN	80	WELDER ON 4473	1981 91	B	
1160			LINCOLN	77	WELDER ON 816X	1972 91	B	
1181			LINCOLN	75	WELDER ON 2216	1976 91	B	
1183			LINCOLN	77	WELDER ON 2214	1978 91	B	
1184			LINCOLN	77	WELDER ON 815X	1978 91	B	
1190			LINCOLN	77	WELDER ON 145W	1978 91	B	
1249			TAYLORDUNN	71	BURDEN CARRIER ELECTRIC	1972 91	B	
1297			LINCOLN	74	WELDER ON 6206	1975 91	B	
NUMBER OF VEHICLES, THIS CLASS: 8								
1232			SULLAIR	81	COMPRESSOR 85CFM IN 3787	1982 92	B	
1264			TAYLOR DUN	75	BURDEN CARRIER ELECTRIC	1975 92	B	
1171			LINCOLN	81	WELDER ON 5220	1982 92	B	
1230			CUSHMAN	77	BURDEN CARRIER ELECTRIC	1978 92	B	
1201			CUSHMAN	77	BURDEN CARRIER ELECTRIC	1978 92	B	
1235			CUSHMAN	78	BURDEN CARRIER ELECTRIC	1979 92	B	
NUMBER OF VEHICLES, THIS CLASS: 6								
1282			TOYOTA	72	FORKLIFT 2000LB PROPANE	1972 93	B	
1278	X56237	02576326	MASS FERG	73	WHEEL LOADER	1975 93	B	
1321	29672Y	06440590	WAYNE	78	CHIPPER 16IN T	1979 93	B	
NUMBER OF VEHICLES, THIS CLASS: 3								
1229			TOYOTA	77	FORKLIFT 2000 LB PROPANE	1978 94	B	
NUMBER OF VEHICLES, THIS CLASS: 1								

GAS VEHICLES - JULY 15, 1988

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS CLAS	CDE
1111	X05185	00735762	BULLMOOSE	57	CRANEMOBILE	1957	95	B
					NUMBER OF VEHICLES, THIS CLASS:	1		
1004	X05174	06114425	YALE	78	FORKLIFT 6000LB	1978	96	B
1306			CLARK	78	FORKLIFT 8000LB CNG	1979	96	B
					NUMBER OF VEHICLES, THIS CLASS:	2		
						380		

DISCLOSURE SCHEDULE 31
[Mainland Gas]

OUTSTANDING LEGAL PROCEEDINGS

Nil

DISCLOSURE SCHEDULE #32
(Mainland Gas)
Additions from April 1 to July 15, 1988
SUBSEQUENT ASSETS

ADDITIONAL PLANT & MACHINERY

2274 LNG Storage Equipment

227450 LNG-Instr & Control Equip: LNG tank foundation heater
 backup control

2612 Line Break Stations

261202 Burrard Street: Instal intrusion detection system
261203 Knight Street: Instal intrusion detection system

2613 Buildings and Site Improvements

261396 No. 2 Coquitlam Gate Station: Install intrusion
 detection system

2614 Mains

261402	Burnaby District-Barnet:	Miscellaneous Retirements	
261406	Delta District:	"	"
261412	Maple Ridge District:	"	"
261413	Matsqui District:	"	"
261415	Mission District-Hatzic:	"	"
261419	Pitt Meadows District:	"	"
261420	Port Coquitlam City:	"	"
261422	Richmond Township-Steves:	"	"
261425	Surrey District:	"	"
261426	Vancouver City:	"	"
261427	West Vancouver District:	"	"
261499	Spare Main Equip. Stores:	"	"

2651 Services

265101	Abbotsford District:	Miscellaneous Retirements
265102	Burnaby District-Barnet:	" "
	Dismantling charges	
265104	District of Chilliwack:	" "
265105	Coquitlam District:	" "
265105	Delta District:	" "
265108	Hope Village:	" "
265109	Kent District-Agassiz	" "
265110	Langley Township:	" "
265112	Maple Ridge District:	" "
265113	Matsqui District:	" "
265115	Mission District-Hatzic:	" "
265115	New Westminster City:	" "
265117	North Vancouver City:	" "
265118	North Vancouver District:	" "
265119	Pitt Meadows District:	" "
265120	Port Coquitlam City:	" "
265121	Port Moody City:	" "
265122	Richmond Township-Steves:	" "
265125	Surrey District:	" "
265126	Vancouver City:	" "
265130	Langley City:	" "
265133	White Rock City:	" "
265157	Cultus Lake Park Area:	" "

Unclassified Construction Costs

269001	Metro: Unclassified Construction Programs
269002	Fraser Valley: Unclassified Construction Programs

2713 Buildings and Site Improvements

271350	Fraser Valley - Distribution Centre: Sprinkler System
271373	Lochburn Site: Yard lighting-upper yards along 2nd Ave.
271376	Lochburn Horne Payne Bldg: Electrical service modifications

2760 Office Furniture and Equipment

276050	Fraser Valley Distribution Centre/Shops: Raster Tube Retire misc office furniture
276070	Lochburn: Purchase misc office furniture
	Lochburn: Retire misc office furniture

2765 Tools and Work Equipment

276501 Acquire misc tools and work equipment

2766 Communications Equipment

27660 Telephone & Telecounting: Fraser Valley Telemetry
equipment

276603 Gas Supervisory System: Load forecast
weather information

2767 Other Equipment

276703 Computers-LNG: IBM PC Accessories

276704 Computers-Misc Equip: IBM PC Accessories

276705 Computers-Micro Comp System: IBM PC Accessories

290 Unfinished Construction

290000 Unfinished Construction: Work in progress

297 Land Held for Future Use

297000 Planned Westwood Plateau Gate Station

LEASED MACHINERY & EQUIPMENT

<u>Supplier</u>	<u>Description</u>	<u>Dates</u> (C) Contract (E) Expiry
Xerox	Photocopier Lease and Maintenance Serial #42K502081	(C) 13/9/88 (E) 13/9/91
Xerox	Photocopier Lease and maintenance Serial #52E200115	(C) 13/9/88 (E) 13/9/91
Xerox	Photocopier Lease and maintenance Serial #52E202984	(C) 13/9/88 (E) 13/9/91
Xerox	Photocopier Lease and Maintenance Serial #N81899431	(C) 15/8/88 (E) 15/8/91
Xerox	Photocopier Lease: 5 years Maintenance: 3 years Serial #16P425186	(C) 13/9/88
Xerox	Photocopier Lease: 5 years Maintenance: 3 years Serial #K90013105	(C) 13/9/88

**AMENDED
DISCLOSURE SCHEDULE 32
[Mainland Gas]**

SUBSEQUENT ASSETS

RIGHTS OF WAY

As described in Part C of Disclosure Schedule 8.

July 21/88

SHARE PURCHASE AGREEMENT
[Mainland Gas]

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SHARE PURCHASE AGREEMENT

THIS AGREEMENT made as of the 20th day of July,
1988.

BETWEEN:

**HER MAJESTY THE QUEEN IN RIGHT OF THE
PROVINCE OF BRITISH COLUMBIA**, represented by
the Minister of Finance and Corporate Relations
(the "Vendor")

OF THE FIRST PART

AND:

INLAND NATURAL GAS CO. LTD., a body corporate
under the laws of the Province of British Columbia
(herein called the "Purchaser")

OF THE SECOND PART

AND:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an
Act of the Province of British Columbia and
continued under the Hydro and Power Authority
Act, R.S.B.C. 1979, Chapter 188, as amended
("Hydro")

OF THE THIRD PART

AND:

74280 B.C. LTD., a body corporate under the
laws of the Province of British Columbia
(the "Company")

OF THE FOURTH PART

W H E R E A S:

A. The Company is a company duly incorporated under the
laws of the Province of British Columbia;

B. The Vendor is the legal and beneficial owner of all the issued and outstanding shares in the capital of the Company, which shares are registered in the name of the Minister;

C. The Company has been designated as a gas distribution intermediary company and has been exempted from certain of the laws of the Province of British Columbia under the Privatization Act;

D. The Vendor has agreed to sell and the Purchaser has agreed to purchase all of the issued and outstanding shares in the capital of the Company;

NOW THEREFORE THIS AGREEMENT WITNESSES that in consideration of the premises and the mutual covenants, agreements and warranties hereinafter set forth, each of the parties covenant and agree as follows:

1.0 TERMS

1.01 Definitions

In this Agreement:

- (a) **"Advances"** means those monies advanced to the Company by the Province or Hydro or owed to the Province or Hydro by the Company, as at the Closing Date, including the Assumed Working Capital, in respect of the operation of the Business prior to the Closing Date;
- (b) **"Agreed Rate"** means the rate of interest which is that certain rate of interest payable on funds lent by the Bank to corporate borrowers of the highest credit rating and designated as the "Prime Rate" from time to time by the Bank provided that if and whenever the Prime

Rate is varied by the Bank, the interest rate provided for herein shall be varied effective the date such variation in the Prime Rate comes into effect so that at all times the interest rate herein shall be the Prime Rate then in effect;

- (c) **"Amended Disclosure Schedule"** means the amended Disclosure Schedule to be delivered by Hydro pursuant to Paragraph 8.08 of the Asset Transfer Agreement;
- (d) **"Assets"** means Assets as defined in the Asset Transfer Agreement;
- (e) **"Asset Transfer Agreement"** means the agreement entered into between Hydro and the Company dated July 15, 1988;
- (f) **"Asset Transfer Closing Date"** means 12:01 a.m., July 16, 1988;
- (g) **"Assumed Current Assets"** means the rights, property and assets of the Business, as of the Closing Date, the categories of which are listed in Schedule "A";
- (h) **"Assumed Current Liabilities"** means those current liabilities and obligations of the Business, as of the Closing Date, the categories of which are listed in Schedule "B";
- (i) **"Assumed Working Capital"** means the dollar amount of the Assumed Current Assets less the dollar amount of the Assumed Current Liabilities;
- (j) **"Bank"** means the Canadian Imperial Bank of Commerce;

- (k) **"Business"** means, as the context requires, the business of distributing natural gas and otherwise using or operating a natural gas distribution and transmission system by the Company in the Lower Mainland and Fraser Valley areas of British Columbia and regulated under the Utilities Commission Act and the Privatization Act;
- (l) **"Closing"** means the closing of the purchase and sale of the Shares referred to in Paragraph 2.0, at the offices of Owen, Bird at 10:00 a.m., local time, on the Closing Date, or at such other location, date and time as the parties shall mutually designate;
- (m) **"Closing Date"** means September 30, 1988;
- (n) **"Competition Act"** means the Competition Act, S.C., 1986 as amended;
- (o) **"Company"** means 74280 B.C. Ltd.;
- (p) **"Debt Financing Arrangement"** means the financing arrangement for the borrowing by the Company of a principal amount up to \$300 million, upon terms and conditions more particularly described in Schedule "C";
- (q) **"Estimated Working Capital"** means \$Nil;
- (r) **"Equity Financing Arrangement"** means the financing arrangement for the borrowing by the Purchaser of a principal amount up to \$150 million, upon terms and conditions more particularly described in Schedule "D";
- (s) **"Employee"** means an employee of Hydro engaged in providing, or to provide, service to the Business at the

Closing Date and identified in the order made pursuant to Section 24 of the Privatization Act;

- (t) **"Financial Consideration"** means the financial consideration described in Paragraph 3.01;
- (u) **"Financial Statements"** means audited financial statements consisting of balance sheets of the Company as at the Asset Transfer Closing Date, the related statements of income and retained earnings, and changes in financial position for the period ended on said date, and the notes thereto, respectively;
- (v) **"Gas Distribution System"** means the gas distribution system purchased by the Company from Hydro as defined in the Asset Transfer Agreement;
- (w) **"Hydro"** means the British Columbia Hydro and Power Authority;
- (x) **"Hydro's Interest Rate"** means the weighted average interest rate on Hydro's outstanding long term debt, determined monthly;
- (y) **"Interest Bearing Note"** means the promissory note made by the Company in favour of Hydro in the amount of \$433,200,000, payable on demand, bearing interest at Hydro's Interest Rate and dated the Asset Transfer Closing Date;
- (z) **"Minister"** means the Minister of Finance and Corporate Relations;
- (aa) **"Non-interest Bearing Note"** means the promissory note made by the Company in favour of Hydro in the

amount of \$282,800,000 payable on demand, without interest and dated the Asset Transfer Closing Date;

(bb) "**Notes**" means the Interest Bearing Note and Non-interest Bearing Note;

(cc) "**Post Closing Adjustment**" means the aggregate of items (i) and (ii) next following:

(i) the difference between the dollar amount of the social services tax and the property purchase tax payable in respect of the Asset Transfer Agreement and the amount stated in Paragraph 3.01(d);

(ii) the difference between the dollar amount of the Advances and the amount estimated in Paragraph 3.01(e);

(dd) "**Previous Orders**" means the Regulations and Orders in Council of the Lieutenant Governor in Council of the Province of British Columbia made under the Privatization Act prior to the Closing Date;

(ee) "**Privatization Act**" means the Hydro and Power Authority Privatization Act, SBC 1988;

(ff) "**Shares**" means all of the issued and outstanding shares in the capital of the Company;

(gg) "**Utilities Commission Act**" means the Utilities Commission Act, SBC 1980, c. 60, as amended;

(hh) "**Vendor's Calculation**" means the Vendor's calculation of the Post Closing Adjustment, verified by Deloitte, Haskins and Sells, Chartered Accountants.

1.02 Asset Transfer Definitions

Capitalized words shall have the same meanings herein as defined in the Asset Transfer Agreement, unless otherwise defined herein.

1.03 Schedules

- (a) Schedule "A" - Assumed Current Assets (to be delivered at Closing);
- (b) Schedule "B" - Assumed Current Liabilities (to be delivered at Closing);
- (c) Schedule "C" - Debt Financing Arrangement;
- (d) Schedule "D" - Equity Financing Arrangement;
- (e) Schedule "E" - Amended Memorandum & Articles;
- (f) Schedule "F" - Pension and Other Benefit Plans (to be delivered at Closing);
- (g) Schedule "G" - Accrued Vacation (to be delivered at Closing).

2.0 PURCHASE AND SALE OF SHARES

On the Closing Date, the Vendor shall sell and the Purchaser shall purchase the Shares on the terms and conditions herein contained.

3.0 FINANCIAL CONSIDERATION

3.01 Financial Consideration

The Financial Consideration for the purchase shall be \$785,000,000, being the aggregate of:

- (a) \$1.00, being the purchase price of the Shares;

- (b) \$433,200,000, being the amount of the Interest Bearing Note;
- (c) \$282,800,000, being the amount of the Non-Interest Bearing Note;
- (d) \$5,000,000, being the estimated social services tax and property purchase tax payable;
- (e) \$20,000,000, being the estimated dollar amount of the Advances;
- (f) \$44,000,000, being the amount referred to in Paragraph 5.01 (e) in the Asset Transfer Agreement, to be secured by the Purchaser's guarantee in form satisfactory to the Minister.

3.02 Payment of the Financial Consideration

At Closing, the Financial Consideration shall be paid and satisfied by the Purchaser as follows:

- (a) as to the amount in Paragraph 3.01(a), pay to the Province by cash;
- (b) cause the Company to issue to the Province an exchangeable redeemable debenture in the amount of \$150,000,000 in accordance with the Equity Financing Arrangement, secured by the Guarantee substantially in the form of guarantee attached to Schedule "D" hereto, and on terms acceptable to the Minister, and shall cause the Company to pay the proceeds thereof to Hydro to satisfy the Notes in whole or part;

- (c) cause the Company to issue to the Province a debenture in the amount of \$300,000,000 in accordance with the Debt Financing Arrangement and on terms acceptable to the Minister and shall cause the Company to pay the proceeds thereof to Hydro to satisfy the Notes in whole or part;
- (d) as to the amount in Paragraph 3.01(d), cause the Company to pay the amount required to the Vendor;
- (e) other than the amount referred to in Paragraph 3.01(f), pay the balance of the Financial Consideration, together with interest accrued thereon to the Company and cause the Company to pay that amount to Hydro and the Province to satisfy the Notes and Advances.

3.03 Vendor's Calculation

No later than sixty (60) days after the Closing Date, the Vendor shall prepare the Vendor's Calculation and deliver the same to the Purchaser. Fourteen (14) days after receipt of the Vendor's Calculation, the Purchaser shall submit a report to the Vendor detailing the Purchaser's differences or objections, if any, with the Vendor's Calculation. If the Purchaser does not give such report to the Vendor, within such fourteen (14) day period the Purchaser shall be deemed to have accepted the Vendor's Calculation. The Vendor shall have fourteen (14) days after receipt of such report during which to notify the Purchaser of any disputes that the Vendor has with such report. If the Vendor does not give such notice, within such fourteen (14) day period then the Vendor's Calculation, as modified by such report, shall be final and conclusive for all purposes. If the Vendor timely gives such notice, then the Purchaser and the Vendor shall use their best efforts and in good faith attempt to resolve such dispute by

negotiations. Failing resolution, the dispute shall be resolved by Coopers and Lybrand, Chartered Accountants.

3.04 Post Closing Adjustment

The Post Closing Adjustment shall be paid in cash by the owing party to the other party and will bear interest at the Agreed Rate from the Closing Date.

3.05 Income Tax

The parties hereby declare that it is their intention that the Company's obligations under Paragraphs 5.01(e) and 5.02(c) of the Asset Transfer Agreement should not be affected by any reorganization of the Company or its business or by any transactions which result in the transfer to the Company of tax obligations arising out of activities now conducted by other persons. On or before the Closing Date, the Purchaser will enter into an agreement with the Vendor setting out the manner in which the Company's tax will be calculated for purposes of the Company's obligations under Paragraphs 5.01(e) and 5.02(c) of the Asset Transfer Agreement and the Purchaser's guarantee of that obligation.

3.06 Property Purchase Tax and Social Service Tax

Prior to the Closing Date, the Vendor will not, nor will it permit the Company to, pay the social service tax referred to in Paragraph 3.01(d), nor will it effect registrations of real property interests acquired by the Company pursuant to the Asset Transfer Agreement, so as to cause the Company to be required to pay the property purchase tax referred to in Paragraph 3.01(d).

4.0 CONDITIONS PRECEDENT

4.01 Conditions Precedent

The Closing of the Agreement is subject to the following conditions precedent:

- (a) such Regulations and Orders in Council of the Lieutenant Governor in Council of the Province of British Columbia being made under Sections 12, 13, 14, 18, 24, 31 and 33 of the Privatization Act as are required to implement the transactions contemplated herein;
- (b) such approvals being given under the Financial Administration Act as are required;
- (c) the receipt by the Vendor, the Company and the Purchaser of all required approvals under the Utilities Commission Act, the Gas Utilities Act, the Pipeline Act and the Competition Act;
- (d) the Memorandum and Articles of the Company are amended to be substantially in accordance with the form of Schedule "E".

5.0 VENDOR REPRESENTATIONS AND WARRANTIES

The Vendor represents and warrants to the Purchaser as follows:

5.01 Corporate Status and Authority

- (a) The Company is a company duly incorporated under the Company Act of the Province of British Columbia, is not and never has been a reporting company, as defined in the Company Act (B.C.) or a reporting issuer, as

defined in the Securities Act (B.C.), is a valid and subsisting company in good standing in the Office of the Registrar of Companies for the Province of British Columbia with respect to the filings required in that office.

- (b) The Company carries on business in the Province of British Columbia and does not and has not carried on business in any other province or territory of Canada nor in any other country.
- (c) The Company holds all material licences and permits as may be requisite for carrying on the Business in the manner in which it has heretofore been carried on.
- (d) The Company has been granted certain powers and exemptions, and has conducted its affairs pursuant to the Previous Orders.

5.02 Authorized Capital

- (a) As at the date of this Agreement, the authorized capital of the Company consists of 10,000 shares without par value, all of which are actually issued.
- (b) The Shares are all of the issued and outstanding shares in the capital of the Company and there are no existing options or treasury options to purchase shares in the capital of the Company.
- (c) As of and from the Asset Transfer Closing Date, the Vendor has continuously been the legal and beneficial owner of the Shares, fully paid and non-assessable, and free of all liens, claims, charges and encumbrances whatsoever.

5.03

Execution, Delivery and Performance

- (a) The execution and delivery of this Agreement and all other agreements delivered at Closing by each of the Minister, Hydro and the Company and the consummation of the transactions contemplated hereby and thereby have been or will be duly authorized.
- (b) This Agreement and all other agreements delivered at Closing, upon execution and delivery, will be valid and binding on each of the Vendor, Hydro and the Company and will be enforceable in accordance with their terms.
- (c) The execution, delivery and performance of this Agreement and all other agreements delivered at Closing by each of the Vendor, Hydro and the Company, and the consummation of the transactions contemplated hereby and thereby, will not result in a breach by either the Vendor, Hydro or the Company, or constitute a default by it under, any judgment, order, governmental permit or licence, agreement, or statute to which it is a party or by which it is bound, except as may be agreed by the parties hereto.
- (d) Except as referred to in Paragraph 4.01, no authorization, approval or consent of any governmental authority is required in connection with the execution, delivery and performance by either the Vendor, Hydro or the Company of this Agreement and all other agreements delivered at Closing and the consummation by each of the Vendor, Hydro and the Company of the transactions contemplated hereby and thereby.
- (e) The performance of this Agreement will not be in violation of the Memorandum or Articles of the Company.

5.04 Financial Statements

- (a) Prior to the Closing, the Vendor will deliver to the Purchaser copies of the Financial Statements, prepared in conformity with generally accepted accounting principles.
- (b) Since the Asset Transfer Closing Date, other than in the ordinary course of business and excluding any matters covered by insurance, there has been no material adverse change in the Business, and its general affairs, management, Assets, liabilities, financial condition, or results of operations thereof.

5.05 Title to Assets

Except for the Deficiencies, and subject to the restrictions below:

- (a) the Company has good and marketable fee simple title to the Owned Real Estate, free and clear of all liens, charges, pledges, encumbrances, defects, claims or rights of third parties, except the Permitted Exceptions;
- (b) the Company has good and marketable title to the Gas Rights of Way and the Common Rights of Way, free and clear of all liens, charges, pledges, defects, encumbrances, claims or rights of third parties, except the Permitted Exceptions;
- (c) the Company has good and marketable title to the Owned Machinery and Equipment free and clear of any security interest, mortgage, pledge, lien, conditional sale

agreement, encumbrance or other claim or rights of any third party;

- (d) the Company leasehold interests in the Leased Machinery and Equipment are not subject to any security interest, mortgage, pledge, lien, conditional sale agreement or encumbrance; the interest of the Company in any such leased property is evidenced by the leases described in the Disclosure Schedule, there will be no default or basis for termination under any of said leases as a result of the transactions provided for in this Agreement, subject to obtaining any consents required thereunder; none of said leases is in default, no event has occurred, nor does any condition exist which, with the passage of time or otherwise, would constitute a default and no dispute exists between the Company and other parties to such leases or owners of such leased property, other than negotiations relating to rent renewals;
- (e) to the best of the Company's knowledge, and subject to obtaining any required consents, with respect to all such Assets that consist of rights under agreements from third parties (including Gas Rights of Way, Common Rights of Way, Third Party Interests, Contracts, Gas Supply Contracts, Leased Machinery and Equipment and Municipal Agreements):
 - (i) there exists no material default or basis for termination as a result of the transactions provided for in this Agreement;
 - (ii) all material obligations of both parties have been fully performed as required; and

- (iii) no material disputes exist with respect to the agreements between the parties thereto.

5.06 Condition of Certain Property

To the best of the Company's knowledge, and except as set forth in the Disclosure Schedule:

- (a) the Owned Machinery and Equipment and the Leased Machinery and Equipment used, to a material extent, in the operation of the Business are in reasonable operating condition and repair;
- (b) there are no existing material structural defects in the buildings or other improvements on the Owned Real Estate; and
- (c) all such buildings or other improvements and all heating and air conditioning systems, electric wiring, fixtures, ventilation systems, waste disposal and treatment systems, and lighting are in reasonable operating condition and repair.

5.07 Property

Except for the Deficiencies and the Excluded Assets and as provided in Paragraph 2.05 of the Asset Transfer Agreement, to the best of the Vendor's knowledge, the Assets constitute all of the rights, property and assets tangible and intangible, now used or useful in and for the conduct of the Business, including storage, in the manner and to the extent presently conducted by the Company. The absence of those Excluded Assets listed in Paragraph 1.01(2)(iii) of the Asset Transfer Agreement, the Deficiencies and the Permitted Exceptions will not cause the Business to be operated in a manner different than the manner in

which it was operated prior to the Asset Transfer Closing Date, except as contemplated in the agreements attached as schedules to the Asset Transfer Agreement.

5.08 Payment of Taxes

All property taxes with respect to Owned Real Estate, and any social services taxes which have been collected and any interest and penalties due in connection therewith, have been paid to the proper governmental authority.

5.09 Contracts and Obligations

As at the date of this Agreement, the Company will not, be a party to or bound by, and no liability or obligation shall be transferred to the Purchaser hereunder by any written or oral agreement, contract or arrangement, except pursuant to the Assumed Liabilities, the Deficiencies, and obligations resulting from actions taken pursuant to Paragraphs 7.03 and 7.05.

5.10 Legal Proceedings

There is no legal action or governmental or regulatory proceeding or investigation pending or, to the knowledge of the Vendor, threatened against or affecting the Business or the Assets, and the Vendor is not subject to any judgment, award, decree or order of any court or regulatory authority which affects adversely the Business or the Assets, other than the permanent injunction ordered by the Supreme Court of British Columbia in the matter of Chastain v. British Columbia Hydro and Power Authority. There is no legal action or governmental proceeding or investigation pending or, to the knowledge of the Vendor, threatened against or affecting the Company that could adversely affect or prevent the consummation of the transactions contemplated hereby, nor is the Vendor or the Company subject to

any order of any court or governmental authority that could adversely affect or prevent the consummation of the transactions contemplated hereby.

5.11 Dividends and Payments

- (a) Since the Asset Transfer Closing Date, no dividends or other distribution on any Shares in the capital of the Company have been made, declared or authorized.
- (b) Since the Asset Transfer Closing Date, the Company has not authorized or made payments to any director, officer or employee of the Company, except in the ordinary course of business.

5.12 Eligibility for Investment

At the date of this Agreement, the Shares are eligible investments, in each case without resort to the so-called "basket provisions", but subject to general investment provisions for:

- (a) insurance companies regulated by the Canadian and British Insurance Companies Act (Canada), the Foreign Insurance Companies Act (Canada), an Act respecting Insurance (Quebec) and the Insurance Act (Ontario);
- (b) loan corporations or trust companies regulated by the Loan Companies Act (Canada) and the Trust Companies Act (Canada); and
- (c) pension funds the investments of which are regulated by the Pension Benefits Standards Act, 1985 (Canada) and an Act respecting supplemental pension plans (Quebec).

5.13 Elections

(a) The Company has not:

- (i) made any election under Section 85 of the Income Tax Act (Canada) with respect to the acquisition or disposition of any property;
- (ii) made any election under Section 83 or 196 of the Income Tax Act (Canada);
- (iii) made any elections under any sections of the Income Tax Act (Canada), not specifically referred to above.

(b) There has been no debt or other obligation owing to the Company with respect to the Business which has been settled or extinguished without any payment or by payment of an amount less than the principal amount (as that term is defined in Section 248 of the Income Tax Act (Canada), as the case may be).

5.14 Material Transactions

All material transactions of the Company have been recorded or filed in or with its respective books and accounts up to the Asset Transfer Closing Date, and such respective books and accounts shall be brought up-to-date at Closing at no additional cost to the Company or the Purchaser. Such books and accounts shall be delivered to the Purchaser upon or as soon as possible after Closing. To the knowledge of the Vendor, the corporate records of the Company contain or advise of all records of the meetings and proceedings of shareholders and directors thereof and the share certificate books, registers of

shareholders and directors and registers of transfer of the Company are accurate and complete.

5.15 Taxes

The Company has since the date of this Agreement, to the extent applicable:

- (a) filed all necessary federal and provincial tax returns and the tax return of any other jurisdiction required by it to be filed, Workers Compensation Board returns, corporation capital tax returns, any corporate returns required by it with all government authorities, agencies or regulatory bodies and such returns are substantially true, complete and correct;
- (b) paid all excise, sales, business and property taxes and other rates, charges, assessments, levies, duties, taxes, contributions, fees, licences and other governmental charges of whatsoever kind and nature due and payable or, insofar as the same may become due and payable within the current fiscal year of the Company, has provided for the same in its book of account;
- (c) paid all federal, state, provincial and foreign income and other taxes payable by it, deducted or withheld and remitted to the applicable tax collecting authority all amounts required to be deducted or withheld and remitted to such tax collecting authority on payments to non-residents or otherwise, and paid all instalments of corporate taxes due and payable and the Company has not received any notice of reassessment in respect of any federal, state, provincial or foreign tax for any period; and

- (d) made adequate provision for taxes payable for the current period for which tax returns are not yet required to be filed, and there are no agreements, waivers or other arrangements providing for an extension of time with respect to the filing of any tax return by, or payment of any tax governmental charge or deficiency of the Company and the Company is not aware of any contingent tax liability or any grounds which would prompt an assessment or reassessment in respect of any federal, provincial or foreign tax for any fiscal year, including aggressive treatment of income and expense in filing earlier tax returns.

5.16 Dividends

During a period of twelve (12) years that ended less one (1) year before the date of this Agreement, the Company:

- (a) paid a dividend upon its common shares in each such year; and
- (b) had earnings in each such year available for the payment of a dividend upon its common shares whether a dividend was or was not paid in any such year;

of at least four (4%) percent of the average value at which its common shares were carried in the capital stock account of the Company during the year in which the dividend was paid or in which the Company had earnings available for the payment of dividends as the case may be.

5.17 Pension and Other Benefit Plans

Except as will be set out in Schedule "F", Hydro is not a party to or bound by any written or oral, bonus, pension,

profit sharing, retirement, incentive compensation, deferred compensation, health, hospitalization, medical, disability, death benefit, insurance or other plan or contract providing benefits to or for directors, officers, employees or agents of Hydro and the Company. With respect to all such employee benefit plans and program, Hydro and the Company have fulfilled all of its obligations thereunder through the date hereof and all such plans and programs are fully funded and in compliance with all applicable laws, rules and regulations. No pension or employee benefit plans, or severance obligations shall be transferred to the Company or constitute a lien, charge or encumbrance, direct or indirect, against the Assets or Business of the Company.

5.18 Representations at Closing

The representations and warranties of the Vendor contained in this Agreement shall be true at and as of the Closing as though such representations and warranties were made as and at such time.

5.0 REPRESENTATIONS AND WARRANTIES OF THE PURCHASER

The Purchaser represents and warrants to the Vendor as follows.

5.01 Corporate Status and Authority

- (a) The Purchaser is a corporation duly organized, validly existing and in good standing under the laws of the Province of British Columbia as to the filing of annual reports.
- (b) The Purchaser has the corporate power and authority to execute, deliver and perform this Agreement and all

other agreements delivered at Closing and to consummate the transactions contemplated hereby.

- (c) The Purchaser is a gas utility regulated under the Utilities Commission Act.

6.02 Execution, Delivery and Performance

- (a) The execution and delivery of this Agreement and all other agreements delivered at Closing by the Purchaser and the consummation of the transaction contemplated hereby have been duly authorized by the Purchaser's Board of Directors and any other person or persons from whom such approval or authorization must be sought.
- (b) This Agreement and all other agreements delivered at Closing, upon execution and delivery, will be valid and binding on the Purchaser and will be enforceable in accordance with their terms.
- (c) The execution, delivery and performance of this Agreement and all other agreements delivered at Closing by the Purchaser and the consummation of the transactions contemplated hereby, will not result in a breach or violation by the Purchaser of, or constitute a default by the Purchaser under the Memorandum or Articles of the Purchaser or any judgment, decree, order, governmental permit or licence, agreement, indenture, instrument, statute, rule or regulation to which it is a party or by which it is bound.

7.0 COVENANTS OF THE VENDOR

The Vendor covenants and agrees with the Purchaser as follows.

7.01 Maintenance of Business

Subject to the Privatization Act and in accordance with the Utilities Commission Act, from the date of this Agreement until the Closing Date, the Vendor shall cause the Company, to:

- (a) maintain those of the Assets that are tangible in reasonable operating condition and repair;
- (b) use reasonable commercial efforts to preserve the organization of the Business intact, to keep the services of the present principal employees provided to it by Hydro and to preserve its goodwill and the goodwill of its licensees, suppliers, customers and others having business relationships with it relating to the Business;
- (c) comply with, and not amend or modify (except with the consent of the Purchaser), all Contracts and Gas Supply Contracts, both as defined in the Asset Transfer Agreement, together with all agreements attached thereto as schedules;
- (d) consult with the Purchaser, generally, with respect to the conduct of the Business;
- (e) not alter its current business or marketing practices in any material way;
- (f) use reasonable commercial efforts to maintain in full force and effect all third party licences and government licences and permits now held by the Company relating to the Business;

- (g) cooperate with and assist the Purchaser, to a reasonable extent, in the preparation of any financial statements in relation to the Company;
- (h) comply with all statutes, regulations, rules, judgments and orders applicable to the Company relative to the Business; and
- (h) continue all of the Company's business practices, policies, procedures and operations relating to the Business in substantially the same manner as in effect immediately prior to the date of this Agreement including, without limitation, its normal practices relating to the billing, collection, writing-down and writing-off of accounts receivables.

7.02 Access to Records

Subject to requirements of confidentiality and any required approvals of third parties, from the date of this Agreement until the Closing Date, the Vendor shall and shall cause the Company to permit the Purchaser and its representatives to examine the Assets at all reasonable times for the sole purpose of reviewing and planning for the purchase and sale of the Shares, as contemplated under this Agreement.

7.03 Further Transactions

From the date of this Agreement until the Closing Date, the Vendor shall not allow the Company to enter into any transaction, understanding or commitment or obligation of any nature or kind whether accrued, absolute, contingent or otherwise, other than in the ordinary course of business with respect to the Assets or the Business except to give effect to this Agreement.

7.04 Required Consents

Subject to Paragraph 8.02, the Vendor shall, at its sole cost and expense, use reasonable commercial efforts to obtain all consents and approvals required by the Vendor, other than as provided in Paragraph 4.01, to carry out the transactions contemplated hereby and will cooperate with and assist the Purchaser in obtaining any consents required by the Purchaser to carry out the transactions contemplated hereby.

7.05 Health and Safety Expenditures

Up to and including the Closing Date, the Vendor shall cause the Company to make all necessary expenditures, whether capital or not, required for reasons of health and safety referable to the conduct of the Business after consultation with the Purchaser, or as may be ordered or directed by the Utilities Commission or any other governmental, regulatory or other body having jurisdiction.

7.06 Financing Arrangements

The Vendor will arrange and provide, at Closing, the Debt Financing Arrangement and Equity Financing Arrangement.

7.07 Insurance

The Vendor will cause the Company to obtain and keep in force fire and extended coverage insurance and such other coverage as the Company may require. The proceeds paid pursuant to any such insurance shall be applied to repair or reconstruct any loss or damage to the Company's property to which the insurance applied.

8.0 COVENANTS OF THE PURCHASER

The Purchaser covenants and agrees with the Vendor as follows.

8.01 Maintenance of Business

From the date of this Agreement until all of the Purchaser's obligations under or related to this Agreement have been performed, the Purchaser shall: maintain its corporate existence in good standing; maintain the general character of its business; conduct its business in its ordinary and usual manner; and use its best efforts to preserve its business organization intact and not to cause or allow any material change in its financial position.

8.02 Required Consents

The Purchaser shall do all things as may be necessary to assist the Vendor in obtaining the approvals required to be obtained under Paragraphs 4.01 and 7.04.

8.03 Employees of the Business

- (a) On the Closing Date, the Purchaser shall cause the Company to provide employment to all of the Employees.
- (b) The job function and salary offered to the Employees shall be substantially the same as the job function and salary provided by Hydro immediately prior to the Closing Date.
- (c) Unless there are contractual obligations impeding such action, the Purchaser shall allow any Employee who accepts employment with the Purchaser to take any

vacation accrued while an employee of Hydro or, at the Employee's option, shall pay the Employee for such accrued vacation. The accrued vacation for each Employee (including written or oral agreements to carry unused vacation forward or to bank vacation) as of the Closing Date is set forth in Schedule "G". The amount for accrued vacation has been calculated using current salaries or wages.

8.04 Assumed Current Liabilities

At Closing, the Company assumes and agrees duly to perform, pay and discharge the Assumed Current Liabilities as and from the Closing Date and shall indemnify and save harmless the Vendor from and against any loss or damage of the Vendor whatsoever arising out of the non-performance or non-fulfillment of the Assumed Current Liabilities by the Company after the Closing Date.

9.0 CONDITION PRECEDENT TO OBLIGATIONS OF THE VENDOR

The obligations of the Vendor under this Agreement are subject to the satisfaction of the following condition precedent on or before the Closing Date, which may be waived by the Vendor.

9.01 Litigation and Governmental Approvals

No action or proceeding by any governmental agency or private party shall have been instituted, or threatened, which would enjoin, restrain, or prohibit, or might result in substantial damage in respect of, this Agreement or the consummation of the transactions contemplated by this Agreement, and which would in the reasonable judgment of the Vendor make it inadvisable to consummate such transaction, and no court order shall have been entered in any action or proceeding instituted by

any other party which enjoins, restrains or prohibits this Agreement or consummation of the transactions contemplated by this Agreement.

10.0 CONDITION PRECEDENT TO OBLIGATIONS OF THE PURCHASER

The obligations of the Purchaser under this Agreement are subject to the satisfaction of the following condition precedent on or before the Closing Date, which may be waived by the Purchaser:

10.01 Litigation and Governmental Approvals

No action or proceeding by any governmental agency or private party shall have been instituted, or threatened, which would enjoin, restrain, or prohibit, or might result in substantial damage in respect of, this Agreement or the consummation of the transactions contemplated by this Agreement, and no court order shall have been entered in any action or proceeding instituted by any third party which enjoins, restrains or prohibits this Agreement or consummation of the transactions contemplated by this Agreement.

11.0 CLOSING

11.01 The Purchaser's Closing Documents

The Purchaser shall deliver or cause to be delivered to the Vendor, Hydro or the Company, as required, at Closing:

- (a) a certified cheque of the Company in favour of Hydro for the aggregate of the amounts in Paragraphs 3.01(b), (c), (d) and (e), less \$450,000,000:

- (b) all security and related documentation in respect of the Equity Financing Arrangement and the Debt Financing Arrangement, in form satisfactory to the Minister;
- (c) certified copies of the resolution of the Purchaser's Board of Directors authorizing this transaction;
- (d) an executed copy of the agreement among the Province of British Columbia, the Company, the Purchaser and any other persons required by the Lieutenant Governor in Council, made pursuant to Section 37(3) of the Privatization Act, in form and substance satisfactory to counsel for the Vendor;
- (e) such other approvals, certificates, consents, resolutions or other documents or instruments as may be requisite to enable the Purchaser or the Company to consummate the transactions hereunder;
- (f) the guarantee referred to in Paragraph 3.01(f);
- (g) the opinion of the Purchaser's counsel in form satisfactory to Vendor's counsel;
- (h) an acknowledgment of receipt of the Amended Disclosure Schedule pursuant to Paragraph 11.02;
- (i) an executed copy of the agreement referred to in Paragraph 3.05;
- (j) such other documents as are required by this Agreement or as the Vendor may reasonably request.

11.02 The Vendor's Closing Documents

The Vendor shall deliver or cause to be delivered to the Purchaser at Closing:

- (a) the Regulations and Orders pursuant to Paragraph 4.01;
- (b) any consents required by Paragraph 7.04;
- (c) the opinion of the Vendor's counsel in form satisfactory to Purchaser's counsel;
- (d) acknowledgement of receipt of the certified cheque referred to in Paragraph 11.01(a) and the payment of the Notes;
- (e) the Amended Disclosure Schedule;
- (f) a certificate on behalf of the Minister that the representations and warranties in Paragraph 5.0 are true and correct as at the Closing Date;
- (g) the Financial Statements;
- (h) the Previous Orders;
- (i) an executed copy of the agreement referred to in Paragraph 3.05;
- (j) the corporate records and common seal of the Company;
- (k) resolution of the directors of the Company authorizing the transfer of the Shares from the Vendor to the Purchaser;

- (l) the certificate representing the Shares endorsed for transfer;
- (m) resignation of all of the directors of the Company;
- (n) resignation of the officers of the Company;
- (o) such other documents as are required by this Agreement or as the Purchaser may reasonably request.

12.0 SURVIVAL OF REPRESENTATIONS, WARRANTIES AND COVENANTS

Notwithstanding the Closing, the covenants, indemnities, agreements, representations and warranties contained in this Agreement shall survive the Closing for a period of 24 months from the Closing Date.

13.0 SUCCESSORS AND ASSIGNS

This Agreement shall be binding upon and enure to the benefit of the parties hereto and their respective successors and assigns, but shall not be assignable by the Purchaser without the prior written consent of the Vendor.

14.0 SUBSEQUENT ACTIONS

Each party agrees at any time and from time to time after Closing, upon request of the other party, to do, execute, acknowledge and deliver or cause to be done, executed, acknowledged and delivered all such further acts, deeds, assignments, transfers, conveyances, powers of attorney and assurances as may be required to carry out and give full effect to the intent of this Agreement.

15.0 NOTICES

Any notice or other communication provided for herein or given hereunder to a party hereto shall be in writing and shall

be delivered by double registered mail, or in person to the individual listed below:

(a) to the Vendor:

Minister of Finance and Corporate Relations
Parliament Buildings, Victoria

(b) to the Purchaser:

23rd Floor
1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

or such other address with respect to a party as such party shall notify the other in writing as above provided. All notices shall be deemed made upon actual notification or mailing as provided for above, whichever shall occur earlier; provided, however, that notice by mailing shall not be deemed to have been made until delivered.

16.0 COMPLETE AGREEMENT

This Agreement and the Schedules contain the complete agreement between the parties hereto with respect to the transactions contemplated hereby and supersede all prior agreements and understandings among the parties with respect to such transactions. There are no restrictions, promises, representations, warranties, covenants, indemnities, or undertakings by the parties other than those expressly set forth in this Agreement and the Schedules. This Agreement may be amended, modified or terminated only by written instrument signed by all parties hereto and subject to the requirements of the Privatization Act.

17.0 WAIVER AND OTHER ACTION

The Minister, on behalf of the Vendor, and, the President and one director of the Purchaser, on behalf of the Purchaser, may, on behalf of such parties, but only by a signed

document, give any consent, agree to a change in the place, time or date of the Closing, take any action, or waive any inaccuracies in the representations and warranties by the other party and compliance by the other party with any of the covenants and conditions herein.

18.0 TIME

Time shall be of the essence of this Agreement.

19.0 PUBLIC ANNOUNCEMENTS

The Vendor and the Purchaser shall mutually issue a press release concerning the purchase and sale of the Shares at a time determined by the Vendor, and at no other time, and both parties shall co-operate to formulate such announcement which shall be to the mutual benefit of both parties.

20.0 GOVERNING LAW

This Agreement shall be construed and enforced in accordance with the laws of the Province of British Columbia.

21.0 GRAMMATICAL

All necessary changes required to make the provisions of this Agreement apply in the plural sense where necessary will in all instances be construed.

22.0 SEVERABILITY

If any term, covenant or condition of this Agreement or application thereof to any person or circumstance will to any extent be invalid, illegal or unenforceable in any respect, the remainder of this Agreement or application of such term, covenant or condition to such person or circumstance other than those as to which it is held invalid, illegal or unenforceable will not be affected thereby and each term, covenant or condition of this Agreement and this Agreement will be valid and legal and will be enforced to the fullest extent permitted by law.

23.0 **HEADINGS**

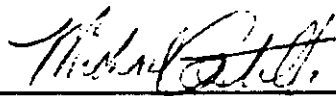
The descriptive headings of the paragraphs and subparagraphs hereof are inserted for convenience only and do not constitute a part of this Agreement.

24.0 **COUNTERPARTS**


This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which shall constitute but one instrument.

IN WITNESS WHEREOF the parties hereto have executed this agreement as of the date and year first above written.

SIGNED on behalf of **HER
MAJESTY THE QUEEN IN RIGHT
OF THE PROVINCE OF BRITISH
COLUMBIA** by the Minister
of Finance and Corporate
Relations in the presence of:)



Witness)



Minister of Finance and
Corporate Relations

THE CORPORATE SEAL OF
INLAND NATURAL GAS CO. LTD.
was hereunto affixed in the
presence of:)



Authorized Signatory)



Authorized Signatory)

C/S

THE CORPORATE SEAL OF
BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY was hereunto
affixed in the presence of:


Authorized Signatory

C/S

THE CORPORATE SEAL OF
74280 B.C. LTD. was hereunto
affixed in the presence of:


Authorized Signatory

C/S


Authorized Signatory

WPD-DRJ/21,21A-1

CB-31

SCHEDULE A
ASSUMED CURRENT ASSETS

Account #Description

CURRENT ASSETS

ACCOUNTS RECEIVABLE

105	Employee loans
106	Salary and Wage Advances
108	Employee advances - WCB
109	Employee advances - Income continuance
123	Sundry accounts receivable

MATERIALS & SUPPLIES INVENTORY

240	General supplies
235	NGV Cylinders

PREPAID EXPENSES

763	Service Vehicle Licenses
770	Prepaid insurance

OTHER ASSETS

171	WIP - General work orders
176	Work in process - Rec Gas Operations
261	WIP - Manufacturing tax
700	Unallocated charges suspense
740	Undistributed General Work Orders

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SCHEDULE B
ASSUMED CURRENT LIABILITIES

Account #Description

CURRENT LIABILITIES - EMPLOYEE RELATED

1010	Unpaid wages liability
1011	Accrued salaries
1012	Vacation/Overtime bank liability
1013	Quarter day/vacation bank liability
1015	Accrued wages
1030	Accrued overtime salaries
1043	Gas Irrevocable Short Work Year Leave
1049	CPP - Employer contributions
1050	Current pension - Employer
1051	MSP liability
1052	Workers compensation
1053	EHC liability
1054	Group Insurance Voluntary
1056	Group insurance liability
1058	Short work year leave liability
1059	Vacation and reduced work week leave liability
1064	CPP - Employee contributions
1065	Income continuance liability
1070	Sundry pay deductions
1071	Pension - Employee contributions
1072	Canada savings bonds deductions payable
1076	Employee donation deductions
1077	UIC premiums
1078	Employee rent
1080	OTEU dental plan
1081	SPC dental plan
1082	Voluntary additional income continuance
1085	Executive dental plan
1086	IBEW Gas dental plan
1410	Income tax deductions

CURRENT LIABILITIES - OTHER

174	Deposits on sundry accounts receivable
1120	CNG Warranty Fund
1157	Compressed natural gas cylinders
1355	Sundry Contractor deposits
1359	Refundable Contributions in Aid

SCHEDULE "C"

DEBT FINANCING ARRANGEMENT

Amount: \$300,000,000

Borrower: 74280 B.C. Ltd. (the "Company")

Interest Rate: The Province of British Columbia's borrowing rate plus 0.25% payable semi-annually, as calculated by the Province to reflect the serial repayment structure

Term: 5 years from the later of the (i) date of closing of the purchase of Shares of the Company, or (ii) September 30, 1988 ("Closing Date")

Repayment: Equal annual payments beginning 24 months from the Closing Date

Security: First fixed charge over the assets of the Company secured by a mortgage containing normal industry covenants satisfactory to the Province

SCHEDULE "D"

EQUITY FINANCING ARRANGEMENT

Issue: Exchangeable Redeemable Debentures

Amount: \$150,000,000

Borrower: 74280 B.C. Ltd. (the "Company")

Purchaser: The Province of British Columbia (the "Province")

Term: 3 years from the later of (i) the date of closing of the purchase of Shares of the Company, (ii) September 30, 1988, and (iii) the date of issue of the Related Offering (as hereinafter set forth)

Interest Rate: Set in context of market with reference to similar government retail offerings

Notification Period: A transition period for extending the loan portion of the financing for up to six months if more than \$100 million principal amount has not been exchanged into common shares

Exchange Feature: Exchangeable into common shares of Inland Natural Gas Co. Ltd. ("Inland") at the option of the Province at any time from date of issue until expiry of the term at a price equal to 110% of the price of the Inland common shares as established by market prices of the Inland shares traded over The Toronto Stock Exchange over a specified period of days

Upon agreement between Province and Inland may be exchangeable into shares of the Company

Retraction: Non-redeemable for 12 months, thereafter redeemable semi-annually at par

Repayment: In the event that the Exchangeable Debenture is not exchanged in whole during the Term, the outstanding principal amount of the Exchangeable Debentures are repayable in full at the expiry of the Term, subject to the notification period

(1) Second fixed charge over assets of the Company ranking second only to the charge referred to under Debt Financing Arrangement.

- (2) Inland guarantee, secured by pledge of common shares of the Company. Pledge to provide for exchange of security in the event of amalgamation or arrangement of the Company and Inland

Additional Public
Offering
Requirement:

Inland or the Company, as the case may be, commits to raising approximately \$75 million of common shares at any time on or before March 31, 1989.

RELATED OFFERING

Issue:

The Province will proceed no later than two months following the completion of an additional public offering of Inland with an offering of an exchangeable debenture security (the "Privatization Bonds") having similar terms and conditions to the Exchangeable Debenture. Interest and principal on the Privatization Bonds will be guaranteed by Province of British Columbia

Eligible
Purchasers:

The Privatization Bonds will be offered only to British Columbia residents

Purchase Limits:

Minimum purchase amount of \$300 and maximum purchase amount of \$50,000 to encourage broad public distribution. If the offering is over-subscribed, an allocation process could be implemented which reduces the maximum purchase amount to the level that allows all applicants to participate

Transferability:

The Privatization Bonds would be transferable among British Columbia purchasers

Sales Agent:

Privatization Bonds would be available from authorized investment dealers, banks, credit unions and trust companies

Listing:

The Privatization Bonds will, at the cost of Inland, be listed on the Vancouver Stock Exchange

G U A R A N T E E

WHEREAS Her Majesty in Right of the Province of British Columbia (the "Province") has agreed to loan _____ (74280 B.C. Ltd.) (the "Borrower") the principal sum of ONE HUNDRED FIFTY MILLION DOLLARS (\$150,000,000) in lawful money of Canada (the "Loan") with interest thereon and as security therefor the Borrower has granted in favour of the Province a debenture in the above mentioned amount and bearing even date herewith (the "Debenture") creating a second fixed and floating charge on the assets of the Borrower.

AND WHEREAS as a condition to the granting of the loan the Province has required Inland Natural Gas Co. Ltd. (the "Guarantor") to guarantee the indebtedness and to grant to the Province a pledge and hypothecation of all of the shares of the Borrower owned by the Guarantor.

NOW THEREFORE in consideration of One Dollar (\$1.00) now paid by the Province to the Guarantor and for other good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, the Guarantor absolutely and unconditionally guarantees the payment to the Province of the Loan, interest and all other monies relating thereto and covenants with the Province that the Borrower shall duly perform and observe every promise, covenant, condition and agreement contained in the Debenture on the part of the Borrower to be performed and observed, including payment of principal, interest and all other monies agreed to be paid or payable under the Debenture on the days and in the manner therein specified, and that if any default be made by the Borrower, whether in payment of principal, interest or other monies secured by the Debenture, the Guarantor shall forthwith, on demand, pay the same to the Province.

1. The Guarantor covenants with the Province that in the enforcement of its rights under the Debenture and under this Agreement, the Province shall not be bound to exhaust its

recourse against the Borrower, under the Debenture or otherwise, before requiring or being entitled to payment from the Guarantor.

2. No neglect, forbearance or delay of the Province in endeavouring to obtain payment of the monies required to be paid under the provisions of the Debenture as and when they become due or in taking steps to enforce performance or observance of any of the promises, covenants, conditions or agreements contained in the Debenture to be performed or observed by the Borrower, no extension or extensions of time which may be given by the Province from time to time to the Borrower, no indulgence, compromise, settlement, extension or variation of the terms of the Debenture or act or release of any part of the indebtedness of the Borrower to the Province, and no act or failure to act of or by the Province shall release, discharge or in any way reduce the obligations of the Guarantor under this Guarantee.

This Guarantee shall be interpreted according to the laws of the Province of British Columbia.

This Guarantee shall be binding upon and enure to the benefit of the successors and assigns of the Guarantor.

DATED at Vancouver, British Columbia, this _____ day of _____, 1988.

IN WITNESS WHEREOF the
common seal of INLAND
NATURAL GAS CO. LTD. was
hereunto affixed in the
presence of:

Authorized Signatory

Authorized Signatory

1170H

C/S

SCHEDULE "E"

"COMPANY ACT"

MEMORANDUM

OF

1. The name of the Company is " ."
2. The authorized capital of the Company consists of SEVEN HUNDRED MILLION (700,000,000) shares divided into:
 - (a) FIVE HUNDRED MILLION (500,000,000) Common Shares without par value;
 - (b) ONE HUNDRED MILLION (100,000,000) First Preferred Shares without par value; and
 - (c) ONE HUNDRED MILLION (100,000,000) Second Preferred Shares without par value.
3. The Common Shares without par value, the First Preferred Shares without par value and the Second Preferred Shares without par value shall have attached thereto the special rights and restrictions set forth in the Articles of the Company.

D. Inc

ARTICLES

of

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PROVINCE OF BRITISH COLUMBIA

COMPANY ACT

ARTICLES

OF

PART 1

INTERPRETATION

1.1. In these Articles, unless there is something in the subject or context inconsistent therewith:

"Board" and "the Directors" or "the directors" mean the Directors or sole Director of the Company for the time being.

"Company Act" means the Company Act of the Province of British Columbia as from time to time enacted and all amendments thereto and includes the regulations made pursuant thereto.

"seal" means the common seal of the Company. "month" means calendar month.

"registered owner" or "registered holder" when used with respect to a share in the authorized capital of the Company means the person registered in the register of members in respect of such share.

Expressions referring to writing shall be construed as including references to printing, lithography, typewriting, photography and other modes of representing or reproducing words in a visible form.

Words importing the singular include the plural and vice versa; and words importing male persons include female persons and words importing persons shall include corporations.

1.2. The meaning of any words or phrases defined in the Company Act shall, if not inconsistent with the subject or context, bear the same meaning in these Articles.

1.3. The Rules of Construction contained in the Interpretation Act shall apply, mutatis mutandis, to the interpretation of these Articles.

PART 2

SHARES AND SHARE CERTIFICATES

2.1. Every member is entitled, without charge, to one certificate representing the share or shares of each class held by him; provided that, in respect of a share or shares held jointly by several persons, the Company shall not be bound to issue more than one certificate, and delivery of a certificate for a share to one of several joint registered holders or to his duly authorized agent shall be sufficient delivery to all; and provided further that the Company shall not be bound to issue certificates representing redeemable shares, if such shares are to be redeemed within one month of the date on which they were allotted. Any share certificate may be sent through the mail by registered prepaid mail to the member entitled thereto, and neither the Company nor any transfer agent shall be liable for any loss occasioned to the member owing to any such share certificate so sent being lost in the mail or stolen.

2.2. If a share certificate:

- (i) is worn out or defaced, the Directors shall, upon production to them of the said certificate and upon such other terms, if any, as they may think fit, order the said certificate to be cancelled and shall issue a new certificate in lieu thereof;
- (ii) is lost, stolen or destroyed, then, upon proof thereof to the satisfaction of the Directors and upon such indemnity, if any, as the Directors deem adequate being given, a new share certificate in lieu thereof shall be issued to the person entitled to such lost, stolen or destroyed certificate; or
- (iii) represents more than one share and the registered owner thereof surrenders it to the Company with a written request that the Company issue in his name two or more certificates each representing a specified number of shares and in the aggregate representing the same number of shares as the certificate so surrendered, the Company shall cancel the certificate so surrendered and issue in lieu thereof certificates in accordance with such request.

such sum, not exceeding the amount specified in the Company Act, as the Directors may from time to time fix, shall be paid to the Company for each certificate to be issued under this Article.

2.3. Every share certificate shall be signed manually by at least one officer or Director of the Company, or by or on behalf of a registrar, branch registrar, transfer agent or branch transfer agent of the Company and any additional signatures may be printed or otherwise mechanically reproduced and, in such event, a certificate so signed is as valid as if signed manually, notwithstanding that any person whose signature is so printed or mechanically reproduced shall have ceased to hold the office that he is stated on such certificate to hold at the date of the issue of the share certificate.

2.4. Except as required by law, statute or these Articles, no person shall be recognized by the Company as holding any share upon any trust, and the Company shall not be bound by or compelled in any way to recognize (even when having notice thereof) any equitable, contingent, future or partial interest in any share or in any fractional part of a share or (except only as by law, statute or these Articles provided or as ordered by a court of competent jurisdiction) any other rights in respect of any share except an absolute right to the entirety thereof in its registered holder.

PART 3

ISSUE OF SHARES

3.1. Subject to Article 3.2 and to any direction to the contrary contained in a resolution passed at a general meeting authorizing any increase or alteration of capital, the shares shall be under the control of the Directors who may, subject to the rights of the holders of the shares of the Company for the time being outstanding, issue, allot, sell or otherwise dispose of, and/or grant options on or otherwise deal in, shares authorized but not outstanding, and outstanding shares held by the Company, at such times, to such persons (including Directors), in such manner, upon such terms and conditions, and at such price or for such consideration, as they, in their absolute discretion, may determine.

3.2. If the Company is, or becomes, a company which is not a reporting company and the Directors are required by the Company Act before allotting any shares to offer them pro rata to the members, the Directors shall, before allotting any shares, comply with the applicable provisions of the Company Act.

3.3. Subject to the provisions of the Company Act, the Company, or the Directors on behalf of the Company, may pay a commission or allow a discount to any person in consideration of his subscribing or agreeing to subscribe, whether absolutely

or conditionally, for any shares in the Company, or procuring or agreeing to procure subscriptions, whether absolutely or conditionally, for any such shares, provided that, if the Company is not a specially limited company, the rate of the commission and discount shall not in the aggregate exceed 25 per centum of the amount of the subscription price of such shares.

3.4. Except as otherwise permitted by the Company Act, no share may be issued until it is fully paid and the Company shall have received the full consideration therefor in cash, property or past services actually performed for the Company. For the purpose of this Article:

- (i) the value of property or services shall be the value determined by the Directors by resolution to be, in all circumstances of the transaction, a fair market value; and
- (ii) the full consideration received for a share issued by way of dividend shall be the amount declared by the Directors to be the amount of the dividend.

PART 4

SHARE REGISTERS

4.1. The Company shall keep or cause to be kept a register of members, a register of transfers and a register of allotments within British Columbia, all as required by the Company Act, and may combine one or more of such registers. If the Company's capital shall consist of more than one class or series of shares, a separate register of members, register of transfers and register of allotments may be kept in respect of each class or series of shares. The Directors on behalf of the Company may appoint a trust company to keep the register of members, register of transfers and register of allotments or, if there is more than one class or series of shares, the Directors may appoint a trust company, which need not be the same trust company, to keep the register of members, the register of transfers and the register of allotments for each class or series of shares. The Directors on behalf of the Company may also appoint one or more trust companies, including the trust company which keeps the said registers of its shares or of a class or series thereof, as transfer agent for its shares or such class or series thereof, as the case may be, and the same or another trust company or companies as registrar for its shares or such class or series thereof, as the case may be. The Directors may terminate the appointment of any such

trust company at any time and may appoint another trust company in its place.

4.2. Unless prohibited by the Company Act, the Company may keep or cause to be kept one or more branch registers of members at such place or places as the Directors may from time to time determine.

4.3. The Company shall not at any time close its register of members.

PART 5

TRANSFER AND TRANSMISSION OF SHARES

5.1. Subject to the provisions of the memorandum and of these Articles that may be applicable, any member may transfer any of his shares by instrument in writing executed by or on behalf of such member and delivered to the Company or its transfer agent. The instrument of transfer of any share of the Company shall be in the form, if any, on the back of the Company's share certificates or in such other form as the Directors may from time to time approve. Except to the extent that the Company Act may otherwise provide, the transferor shall be deemed to remain the holder of the shares until the name of the transferee is entered in the register of members or a branch register of members in respect thereof.

5.2. The signature of the registered owner of any shares, or of his duly authorized attorney, upon an authorized instrument of transfer shall constitute a complete and sufficient authority to the Company, its directors, officers and agents to register, in the name of the transferee as named in the instrument of transfer, the number of shares specified therein or, if no number is specified, all the shares of the registered owner represented by share certificates deposited with the instrument of transfer. If no transferee is named in the instrument of transfer, the instrument of transfer shall constitute a complete and sufficient authority to the Company, its directors, officers and agents to register, in the name of the person in whose behalf any certificate for the shares to be transferred is deposited with the Company for the purpose of having the transfer registered, the number of shares specified in the instrument of transfer or, if no number is specified, all the shares represented by all share certificates deposited with the instrument of transfer.

5.3. Neither the Company nor any Director, officer or agent thereof shall be bound to inquire into the title of the person named in the form of transfer as transferee, or, if no person

is named therein as transferee, of the person on whose behalf the certificate is deposited with the Company for the purpose of having the transfer registered or be liable to any claim by such registered owner or by any intermediate owner or holder of the certificate or of any of the shares represented thereby or any interest therein for registering the transfer, and the transfer, when registered, shall confer upon the person in whose name the shares have been registered a valid title to such shares.

5.4. Every instrument of transfer shall be executed by the transferor and left at the registered office of the Company or at the office of its transfer agent or registrar for registration together with the share certificate for the shares to be transferred and such other evidence, if any, as the Directors or the transfer agent or registrar may require to prove the title of the transferor or his right to transfer the shares and the right of the transferee to have the transfer registered. All instruments of transfer where the transfer is registered shall be retained by the Company or its transfer agent or registrar and any instrument of transfer, where the transfer is not registered, shall be returned to the person depositing the same together with the share certificate which accompanied the same when tendered for registration.

5.5. There shall be paid to the Company in respect of the registration of any transfer such sum, if any, as the Directors may from time to time determine.

5.6. In the case of the death of a member, the survivor or survivors in respect of shares registered in the name of the deceased and the name of another person or other persons in joint tenancy, and the legal personal representative of the deceased in any other case, shall be the only persons recognized by the Company as having any title to his interest in the shares. Before recognizing any legal personal representative the Directors may require him to deliver to the Company the original or a Court certified copy of a grant of probate or letters of administration in British Columbia or such other evidence and documents as the Directors consider appropriate in order to establish the right of the legal personal representative to title to the interest of the deceased in the shares.

5.7. The guardian, committee, trustee, curator, tutor, legal personal representative or trustee in bankruptcy of a member, although not a member, shall have the same rights, privileges and obligations that attach to the shares held by the member if the documents required by the Company Act shall have been deposited with the Company. This Article shall not apply on the death of a member with respect to shares registered in the name of the deceased and the name of another person or other persons in joint tenancy.

5.8. Any person becoming entitled to a share as a guardian, committee, trustee, curator, tutor, legal personal representative or trustee in bankruptcy of a member, upon such documents and evidence being deposited with the Company as the Company Act requires, or who becomes entitled to a share as a result of an order of a Court of competent jurisdiction or a statute, has the right either to be registered as a member in his representative capacity in respect of such share, or, instead of being registered himself, to make such transfer of the share as the member could have made; but the Directors shall, as regards such transfer, have the same right, if any, to decline or suspend registration of a transferee as they would have in the case of a transfer of a share by the member, and such transfer shall be subject to any restrictions and provisions as to the transfer of shares as are contained in these Articles or in the Memorandum.

PART 6

ALTERATION OF CAPITAL

6.1. The Company may by ordinary resolution filed with the Registrar amend its Memorandum to increase the authorized capital of the Company by:

- (i) creating shares with par value or shares without par value, or both;
- (ii) increasing the number of shares with par value or shares without par value, or both; or
- (iii) increasing the par value of a class of shares with par value, if no shares of that class are issued.

6.2. The Company may by special resolution filed with the Registrar alter its Memorandum to subdivide, consolidate, change from shares with par value to shares without par value, or from shares without par value to shares with par value, or change the designation of all or any of its shares but only to such extent, in such manner and with such consents of members holding a class or series of shares which is the subject of or affected by such alteration, as the Company Act provides.

6.3. The Company may alter its Memorandum or these Articles:

- (i) by special resolution, to create, define and attach special rights or restrictions to any shares; and

- (ii) by special resolution and by otherwise complying with any applicable provision of its Memorandum or these Articles, to vary or abrogate any special rights and restrictions attached to any shares

and in each case by filing a certified copy of such resolution with the Registrar, but no right or special right attached to any issued shares shall be prejudiced or interfered with unless

- (iii) if the right or special right prejudiced or interfered with is attached to a class of shares, members holding shares of that class; and
- (iv) if the right or special right prejudiced or interfered with is attached to a series of shares and the rights or special rights attached to that series are affected differently from those attached to another series of the same class, members holding shares of that series

consent by a separate resolution of the members of that class or series, as the case may be, passed by a majority of three-fourths of the votes cast, or by such greater majority as may be specified by the special rights and restrictions attached to the class or series of shares, as the case may be.

6.4. Notwithstanding the foregoing provisions of this part, no such alteration shall be valid as to any part of the issued shares of any class, or in the case of a class with more than one series, any series, unless the holders of the issued shares of such class or series not being changed either all consent thereto in writing or, at a separate class meeting or series meeting, as the case may be, consent thereto by a resolution passed by the votes of members holding in the aggregate not less than three-fourths of the shares not being changed of that class or series, as the case may be.

6.5. If the Company is or becomes a reporting company, no resolution to create, vary or abrogate any special right of conversion or exchange attaching to any shares shall be submitted to any meeting of members unless any consent thereto required to be obtained under the Company Act shall have been first obtained.

6.6. Subject to the provisions of the Company Act, unless specified otherwise in these Articles or in the special rights and restrictions attached to any class or series of shares, the provisions of these Articles relating to general meetings shall apply, with the necessary changes and so far as they are applicable, to a class meeting or series meeting of members holding a particular class or series of shares.

PART 7

PURCHASE AND REDEMPTION OF SHARES

7.1. Subject to the special rights and restrictions attached to any class or series of shares, the Company may, by a resolution of the Directors and in compliance with the Company Act, purchase any of its shares at the price and upon the terms specified in such resolution or redeem any of its shares in accordance with the special rights and restrictions attaching thereto.

No such purchase or redemption shall be made if the Company is insolvent at the time of the proposed purchase or redemption or if the proposed purchase or redemption would render the Company insolvent. Unless the shares are to be purchased through a stock exchange or the Company is purchasing the shares from dissenting members pursuant to the requirements of the Company Act or from members pursuant to an order of a Court of competent jurisdiction, or the shares are to be purchased by the Company from a bona fide employee or a bona fide former employee of the Company or of an affiliate of the Company, or his personal representative, in respect of shares beneficially owned by the employee or former employee, the Company shall make its offer to purchase pro rata to every member who holds shares of the class or series, as the case may be, to be purchased.

7.2. If the Company proposes at its option to redeem some but not all of the shares of any class or series, the Directors may, subject to the special rights and restrictions attached to such class or series of shares, decide the manner in which the shares to be redeemed shall be selected.

7.3. Subject to the provisions of the Company Act, any shares purchased or redeemed by the Company but not cancelled may be sold, or, if cancelled, reissued by it, but, while any such shares which have not been cancelled are held by the Company, it shall not exercise any vote in respect of these shares and no dividend or other distribution shall be paid or made thereon.

PART 8

BORROWING POWERS

8.1. The Directors may from time to time on behalf of the Company:

- (i) borrow money in such manner and amount, on such security, from such sources and upon such terms and conditions as they think fit;
- (ii) issue bonds, debentures and other debt obligations either outright or as security for any liability or obligation of the Company or any other person; and
- (iii) mortgage, charge, whether by way of specific or floating charge, or give other security on the undertaking, or on the whole or any part of the property and assets of the Company (both present and future).

8.2. Any bonds, debentures or other debt obligations of the Company may be issued at a discount, premium or otherwise, and with any special privileges as to redemption, surrender, drawing, allotment of or conversion into or exchange for shares or other securities, attending and voting at general meetings of the Company, appointment of Directors or otherwise and may by their terms be assignable free from any equities between the Company and the person to whom they were issued or any subsequent holder thereof, all as the Directors may determine.

8.3. The Company shall keep or cause to be kept within the province of British Columbia in accordance with the Company Act a register of its debentures and a register of debentureholders, which registers may be combined, and, subject to the provisions of the Company Act, may keep or cause to be kept one or more branch registers of its debentureholders at such place or places as the Directors may from time to time determine and the Directors may by resolution, regulation or otherwise make such provisions as they think fit respecting the keeping of such branch registers.

8.4. Every bond, debenture or other debt obligation of the Company shall be signed manually by at least one Director or officer of the Company or by or on behalf of a trustee, registrar, branch registrar, transfer agent or branch transfer agent for the bond, debenture or other debt obligation appointed by the Company or under any instrument under which the bond, debenture or other debt obligation is issued and any additional signatures may be printed or otherwise mechanically reproduced thereon and, in such event a bond, debenture or other debt obligation so signed is as valid as if signed manually notwithstanding that any person whose signature is so printed or mechanically reproduced shall have ceased to hold the office that he is stated on such bond, debenture or other debt obligation to hold at the date of the issue thereof.

8.5. If the Company is or becomes a reporting company, the Company shall keep or cause to be kept a register of its indebtedness to every Director or officer of the Company or an associate of any of them, in accordance with the provisions of the Company Act.

PART 9

GENERAL MEETINGS

9.1. Subject to any extensions of time permitted pursuant to the Company Act, the first annual general meeting of the Company shall be held within fifteen months from the date of incorporation and thereafter an annual general meeting shall be held once in every calendar year at such time (being not more than thirteen months after the date on which the last preceding annual general meeting was held or the date on which it was deemed to have been held in accordance with Article 9.2, whichever is later) and place as may be determined by the Directors.

9.2. If the Company is, or becomes, a company which is not a reporting company and all the members entitled to attend and vote at an annual general meeting consent in writing to all the business which is required or desired to be transacted at the meeting, the meeting shall be deemed to have been held on the date specified in the consent and it is not necessary that the meeting be held.

9.3. All general meetings other than annual general meetings are herein referred to as and may be called extraordinary general meetings.

9.4. The Directors may, whenever they think fit, convene an extraordinary general meeting. An extraordinary general meeting, if requisitioned in accordance with the Company Act, shall be convened by the Directors or, if not convened by the Directors, may be convened by the requisitionists as provided in the Company Act.

9.5. If the Company is or becomes a reporting company, advance notice of any general meeting at which Directors are to be elected shall be published in the manner required by the Company Act.

9.6. A notice convening a general meeting specifying the place, the day, and the hour of the meeting, and, in case of special business, the general nature of that business, shall be given as provided in the Company Act and in the manner hereinafter in these Articles mentioned, or in such other

manner (if any) as may be prescribed by ordinary resolution, whether previous notice thereof has been given or not, to such persons as are entitled by law or under these Articles to receive such notice from the Company. Accidental omission to give notice of a meeting to, or the non-receipt of notice of a meeting by, any member shall not invalidate the proceedings at that meeting.

9.7. All the members of the Company entitled to attend and vote at a general meeting may, by unanimous consent in writing given before, during or after the meeting, or if they are present at the meeting by a unanimous vote, waive or reduce the period of notice of such meeting and an entry in the minute book of such waiver or reduction shall be sufficient evidence of the due convening of the meeting.

9.8. Except as otherwise provided by the Company Act, where any special business at a general meeting includes considering, approving, ratifying, adopting or authorizing any document or the execution thereof or the giving of effect thereto, the notice convening the meeting shall, with respect to such document, be sufficient if it states that a copy of the document or proposed document is or will be available for inspection by members at the registered office or records office of the Company or at some other place in British Columbia designated in the notice during usual business hours up to the date of such general meeting.

PART 10

PROCEEDINGS AT GENERAL MEETINGS

10.1. All business shall be deemed special business which is transacted at:

- (i) an extraordinary general meeting other than the conduct of and voting at such meeting; and
- (ii) an annual general meeting, with the exception of the conduct of, and voting at, such meeting, the consideration of the financial statement and of the respective reports of the Directors and Auditor, fixing or changing the number of directors, the appointment of the Auditor, the fixing of the remuneration of the Auditor and such other business as by these Articles or the Company Act may be transacted at a general meeting without prior notice thereof being given to the members or any business which is brought under consideration by the report of the Directors.

10.2. No business other than election of the chairman or the adjournment of the meeting shall be transacted at any general meeting unless a quorum of members entitled to attend and vote is present at the commencement of the meeting, but the quorum need not be present throughout the meeting.

10.3. Save as herein otherwise provided, a quorum shall be two persons present and being, or representing by proxy, members holding not less than one-twentieth of the issued shares entitled to be voted at the meeting. If there is only one member the quorum is one person present and being, or representing by proxy, such member. The Directors, the Secretary, or, in his absence, an Assistant Secretary, and the solicitor of the Company shall be entitled to attend at any general meeting but no such person shall be counted in the quorum or be entitled to vote at any general meeting unless he shall be a member or proxyholder entitled to vote thereat.

10.4. If within half an hour from the time appointed for a general meeting a quorum is not present, the meeting, if convened upon the requisition of members, shall be dissolved. In any other case it shall stand adjourned to the same day in the next week, at the same time and place, and, if at the adjourned meeting a quorum is not present within half an hour from the time appointed for the meeting, the person or persons present and being, or representing by proxy, a member or members entitled to attend and vote at the meeting shall be a quorum.

10.5. The Chairman of the Board, if any, or in his absence the President of the Company or in his absence a Vice-President of the Company, if any, shall be entitled to preside as chairman at every general meeting of the Company.

10.6. If at any general meeting neither the Chairman of the Board nor President nor a Vice-President is present within fifteen minutes after the time appointed for holding the meeting or is willing to act as chairman, the Directors present shall choose one of their number to be chairman or if all the Directors present decline to take the chair or shall fail to so choose or if no Director be present, the members present shall choose one of their number to be chairman.

10.7. The chairman may, and shall if so directed by the meeting, adjourn the meeting from time to time and from place to place, but no business shall be transacted at any adjourned meeting other than the business left unfinished at the meeting from which the adjournment took place. When a meeting is adjourned for thirty days or more, notice, but not "advance notice", of the adjourned meeting shall be given as in the case of an original meeting. Save as aforesaid, it shall not be necessary to give any notice of an adjourned meeting or of the business to be transacted at an adjourned meeting.

10.8. No motion proposed at a general meeting need be seconded and the chairman may propose or second a motion.

10.9. Subject to the provisions of the Company Act, at any general meeting a resolution put to the vote of the meeting shall be decided on a show of hands, unless (before or on the declaration of the result of the show of hands) a poll is directed by the chairman or demanded by at least one member entitled to vote who is present in person or by proxy. The chairman shall declare to the meeting the decision on every question in accordance with the result of the show of hands or the poll, and such decision shall be entered in the book of proceedings of the Company. A declaration by the chairman that a resolution has been carried, or carried unanimously, or by a particular majority, or lost or not carried by a particular majority and an entry to that effect in the book of the proceedings of the Company shall be conclusive evidence of the fact, without proof of the number or proportion of the votes recorded in favour of, or against, that resolution.

10.10. In the case of an equality of votes, whether on a show of hands or on a poll, the chairman of the meeting at which the show of hands takes place or at which the poll is demanded shall not be entitled to a second or casting vote in addition to the vote or votes to which he may be entitled as a member.

10.11. No poll may be demanded on the election of a chairman. A poll demanded on a question of adjournment shall be taken forthwith. A poll demanded on any other question shall be taken as soon as, in the opinion of the chairman, is reasonably convenient, but in any event within seven days and at such time and place and in such manner as the chairman of the meeting directs. The result of the poll shall be deemed to be the resolution of and passed at the meeting at which the poll was demanded. Any business other than that upon which the poll has been demanded may be proceeded with pending the taking of the poll. A demand for a poll may be withdrawn. In any dispute as to the admission or rejection of a vote the decision of the chairman made in good faith shall be final and conclusive.

10.12. Every ballot cast upon a poll and every proxy appointing a proxyholder who casts a ballot upon a poll shall be retained by the Secretary for such period and be subject to such inspection as the Company Act may provide.

10.13. On a poll a person entitled to cast more than one vote need not, if he votes, use all his votes or cast all the votes he uses in the same way.

10.14. Unless the Company Act, the Memorandum or these Articles otherwise provide, any action to be taken by a

resolution of the members may be taken by an ordinary resolution.

PART 11

VOTES OF MEMBERS

11.1. Subject to any special voting rights or restrictions attached to any class of shares and the restrictions on joint registered holders of shares; on a show of hands every member Or his proxyholder who is present and entitled to vote at the meeting shall have one vote and on a poll every member shall have one vote for each share of which he is the registered holder and may exercise such vote either in person or by proxyholder.

11.2. Any person who is not registered as a member but is entitled to vote at any general meeting in respect of a share, may vote the share in the same manner as if he were a member; but, unless the Directors have previously admitted his right to vote at that meeting in respect of the share, he shall satisfy the Directors of his right to vote the share before the time for holding the meeting, or adjourned meeting, as the case may be, at which he proposes to vote.

11.3. Any Corporation not being a subsidiary which is a member of the Company may by resolution of its directors or other governing body authorize such person as it thinks fit to act as its representative at any general meeting or class or series meeting. The person so authorized shall be entitled to exercise in respect of and at such meeting the same powers on behalf of the corporation which he represents as that corporation could exercise if it were an individual member of the Company personally present, including, without limitation, the right, unless restricted by such resolution, to appoint a proxyholder to represent such corporation, and shall be counted for the purpose of forming a quorum if present at the meeting. Evidence of the appointment of any such representative may be sent to the Company by written instrument, telegram, telex or any method of transmitting legibly recorded messages. Notwithstanding the foregoing, a corporation being a member may appoint a proxyholder.

11.4. In the case of joint registered holders of a share the vote of the senior who exercises a vote, whether in person or by proxyholder, shall be accepted to the exclusion of the votes of the other joint registered holders; and for this purpose seniority shall be determined by the order in which the names stand in the register of members. Several legal personal representatives of a member whose shares are registered in his

sole name shall for the purpose of this Article be deemed joint registered holders.

11.5. A member of unsound mind entitled to attend and vote, in respect of whom an order has been made by any court having jurisdiction, may vote, whether on a show of hands or on a poll, by his committee, curator bonis, or other person in the nature of a committee or curator bonis appointed by that court, and any such committee, curator bonis, or other person may appoint a proxyholder.

11.6. A member holding more than one share in respect of which he is entitled to vote shall be entitled to appoint one or more (but not more than five) proxyholders to attend, act and vote for him on the same occasion. If such a member should appoint more than one proxyholder for the same occasion he shall specify the number of shares each proxyholder shall be entitled to vote. A member may also appoint one or more alternate proxyholders to act in the place and stead of an absent proxyholder.

11.7. A form of proxy shall be in writing under the hand of the appointor or of his attorney duly authorized in writing, or, if the appointor is a corporation, either under the seal of the corporation or under the hand of a duly authorized officer or attorney. A proxyholder need not be a member of the Company if:

- (i) the Company is at the time a reporting company; or
- (ii) the member appointing the proxyholder is a corporation; or
- (iii) the Company shall have at the time only one member; or
- (iv) the persons present in person or by proxy and entitled to vote at the meeting by resolution permit the proxyholder to attend and vote; for the purpose of such resolution the proxyholder shall be counted in the quorum but shall not be entitled to vote and in all other cases a proxyholder must be a member.

11.8. A form of proxy and the power of attorney or other authority, if any, under which it is signed or a notarially certified copy thereof shall be deposited at the registered office of the Company or at such other place as is specified for that purpose in the notice convening the meeting, not less than 48 hours (excluding Saturdays, Sundays and holidays) or such lesser period as the Directors may from time to time determine before the time for holding the meeting in respect of

which the person named in the instrument is appointed. In addition to any other method of depositing proxies provided for in these Articles, the Directors may from time to time by resolution make regulations relating to the depositing of proxies at any place or places and fixing the time or times for depositing the proxies, which time or times, if the Company is or becomes a reporting company, shall not exceed 48 hours (excluding Saturdays, Sundays and holidays) preceding the meeting or adjourned meeting specified in the notice calling a meeting of members, and providing for particulars of such proxies to be sent to the Company or any agent of the Company in writing or by letter, telegram, telex or any method of transmitting legibly recorded messages so as to arrive before the commencement of the meeting or adjourned meeting at the office of the Company or of any agent of the Company appointed for the purpose of receiving such particulars and providing that proxies so deposited may be acted upon as though the proxies themselves were deposited as required by this part and votes given in accordance with such regulations shall be valid and shall be counted.

11.9. Unless the Company Act or any other statute or law which is applicable to the Company or to any class of its shares requires any other form of proxy, a proxy, whether for a specified meeting or otherwise, shall be in the form following, but may also be in any other form that the Directors or the chairman of the meeting shall approve:

(Name of Company)

The undersigned, being a member of the above named Company, hereby appoints

or

failing him

as proxyholder for the undersigned to attend, act and vote for and on behalf of the undersigned at the general meeting of the Company to be held on the day of and at any adjournment thereof.

Signed this day of , 19 .

(Signature of member).

11.10. A vote given in accordance with the terms of a proxy is valid notwithstanding the previous death or incapacity of the member giving the proxy or the revocation of the proxy or of the authority under which the form of proxy was executed or the transfer of the share in respect of which the proxy is given, provided that no notification in writing of such death, incapacity, revocation or transfer shall have been received at the registered office of the Company or by the Chairman of the meeting or adjourned meeting for which the proxy was given before the vote is taken.

11.11. Every proxy may be revoked by an instrument in writing:

- (i) executed by the member giving the same or by his attorney authorized in writing or, where the member is a corporation, by a duly authorized officer or attorney of the corporation; and
- (ii) delivered either at the registered office of the Company at any time up to and including the last business day preceding the day of the meeting, or any adjournment thereof, at which the proxy is to be used, or to the chairman of the meeting on the day of the meeting or any adjournment thereof, before any vote in respect of which the proxy is to be used shall have been taken

or in any other manner provided by law.

PART 12

DIRECTORS

12.1. The subscribers to the Memorandum of the Company are the first Directors. The Directors to succeed the first Directors may be appointed in writing by a majority of the subscribers to the memorandum or at a meeting of the subscribers, or if not so appointed, they shall be elected by the members entitled to vote on the election of Directors. The number of Directors shall be the same as the number of Directors so appointed or elected or the number in effect upon these Articles becoming effective. The number of Directors, excluding additional Directors, may be fixed or changed from time to time by ordinary resolution, whether previous notice thereof has been given or not, and initially shall be 12.

12.2. The remuneration of the Directors as such may from time to time be determined by the Directors or, if the Directors shall so decide, by the members. Such remuneration may be in addition to any salary or other remuneration paid to any officer or employee of the Company as such who is also a Director. The Directors shall be repaid such reasonable travelling, hotel and other expenses as they incur in and about the business of the Company and if any Director shall perform any professional or other services for the Company that in the opinion of the Directors are outside the ordinary duties of a Director or shall otherwise be specially occupied in or about the Company's business, he may be paid a remuneration to be

fixed by the Board, or, at the option of such Director, by the Company in general meeting, and such remuneration may be either in addition to, or in substitution for any other remuneration that he may be entitled to receive. The Directors on behalf of the Company, unless otherwise determined by ordinary resolution, may pay a gratuity or pension or allowance on retirement to any Director who has held any salaried office or place of profit with the Company or to his spouse or dependants and may make contributions to any fund and pay premiums for the purchase or provision of any such gratuity, pension or allowance.

12.3. A Director shall not be required to hold a share in the capital of the Company as qualification for his office but shall be qualified as required by the Company Act, to become or act as a Director.

PART 13

ELECTION AND REMOVAL OF DIRECTORS

13.1. At each annual general meeting of the Company all the Directors shall retire and the members entitled to vote thereat shall elect a Board of Directors consisting of the number of Directors for the time being fixed pursuant to these Articles. If the Company is, or becomes, a company that is not a reporting company and the business to be transacted at any annual general meeting is consented to in writing by all the members who are entitled to attend and vote thereat such annual general meeting shall be deemed for the purpose of this part to have been held on such written consent becoming effective.

13.2. A retiring Director shall be eligible for re-election.

13.3. Where the Company fails to hold an annual general meeting in accordance with the Company Act, the Directors then in office shall be deemed to have been elected or appointed as Directors on the last day on which the annual general meeting could have been held pursuant to these Articles and they may hold office until other Directors are appointed or elected or until the day on which the next annual general meeting is held.

13.4. If at any general meeting at which there should be an election of Directors, the places of any of the retiring Directors are not filled by such election, such of the retiring Directors who are not re-elected as may be requested by the newly-elected Directors shall, if willing to do so, continue in office to complete the number of Directors for the time being fixed pursuant to these Articles until further new Directors are elected at a general meeting convened for the purpose. If

any such election or continuance of Directors results in the election or continuance of less than the number of Directors for the time being fixed pursuant to these Articles such number shall be fixed at the number of Directors actually elected or continued in office. If in any election at any such meeting more nominees than there are vacancies in the Board each receive an excess of affirmative over negative votes, there shall be elected at Directors those nominees having the largest number of affirmative votes sufficient to fill such vacancies.

13.5. Any casual vacancy occurring in the Board of Directors may be filled by the remaining Directors or Director.

13.6. Between annual general meetings, the Directors shall have power to appoint one or more additional Directors, but the number of additional Directors so appointed shall not at any time exceed one-third of the number of Directors elected or appointed at the last annual general meeting at which Directors were elected or appointed. Any Director so appointed shall hold office only until the next following annual general meeting of the Company, but shall be eligible for election at such meeting and so long as he is an additional Director the number of Directors shall be increased accordingly.

13.7. Any Director may by instrument in writing delivered to the Company appoint any person to be his alternate to act in his place at meetings of the Directors at which he is not present unless, if such person is not a Director, the Directors shall have reasonably disapproved his appointment as an alternate Director and shall have given notice to that effect to the Director making such appointment within a reasonable time after delivery of such instrument to the Company. Every such alternate Director shall be entitled to notice of meetings of the Directors and to attend and vote as a Director at a meeting at which the person appointing him is not personally present, and, if he is a Director, to have a separate vote on behalf of the Director he is representing in addition to his own vote. A Director may at any time by instrument, telegram, telex or any method of transmitting legibly recorded messages delivered to the Company revoke the appointment of an alternate Director appointed by him. An alternate Director as such shall not be entitled to any remuneration from the Company.

13.8. The Office of Director shall be vacated if the Director:

- (i) resigns his office by notice in writing delivered to the registered office of the Company; or
- (ii) is convicted of an indictable offence and the other Directors shall have resolved to remove him; or

- (iii) ceases to be qualified to act as a Director pursuant to the Company Act.

13.9. The Company may by special resolution remove any Director before the expiration of his period of office, and may by an ordinary resolution appoint another person in his stead.

PART 14

POWERS AND DUTIES OF DIRECTORS

14.1. The Directors shall manage, or supervise the management of, the affairs and business of the Company and shall have the authority to exercise all such powers of the Company as are not, by the Company Act or by the Memorandum or these Articles, required to be exercised by the Company in general meeting, subject, nevertheless, to these Articles and all laws affecting the Company and to any regulations, not inconsistent with these Articles, made from time to time by ordinary resolution, but no such regulation shall invalidate any prior valid act of the Directors.

14.2. The Directors may from time to time by power of attorney or other instrument under the seal, appoint any person to be the attorney of the Company for such purposes, and with such powers, authorities and discretions (not exceeding those vested in or exercisable by the Directors under these Articles and excepting the powers of the Directors relating to the constitution of the Board and of any of its committees and the appointment or removal of officers and the power to declare dividends) and for such period, with such remuneration and subject to such conditions as the Directors may think fit, and any such appointment may be made in favour of any of the Directors, officers or members of the Company or in favour of any corporation, or of any of the shareholders, directors, officers, nominees or managers of any corporation, firm or joint venture and any such power of attorney may contain such provisions for the protection or convenience of persons dealing with such attorney as the Directors think fit. Any such attorney may be authorized by the Directors to subdelegate all or any of the powers, authorities and discretions for the time being vested in him.

PART 15

DISCLOSURE OF INTEREST OF DIRECTORS

15.1.(a) A Director who is, in any way, directly or indirectly interested in an existing or proposed contract or transaction with the Company shall disclose the nature and extent of his interest in accordance with the provisions of the Company Act.

(b) A Director who holds any office or possesses any property whereby, directly or indirectly, a duty or interest might be created in conflict with his duty or interest as a Director, shall declare the fact, and the nature and extent of the conflict or potential conflict in accordance with the provisions of the Company Act.

15.2. A Director shall not vote in respect of any such contract or transaction with the Company in which he is interested and if he shall do so his vote shall not be counted, but he shall be counted in the quorum present at the meeting at which such vote is taken. This Article and Article 15.1(a) shall not apply in those circumstances where a Director is, under the provisions of the Company Act, deemed not to be interested in a proposed contract or transaction. The Company, by special resolution, may from time to time suspend the application of this Article and Article 15.1(a) to any extent permitted by the Company Act.

15.3. A Director may hold any office or place of profit with the Company (other than the office of Auditor of the Company) in conjunction with his office of Director for such period and on such terms (as to remuneration or otherwise) as the Directors may determine and no Director or intended Director shall be disqualified by his office from contracting with the Company either with regard to his tenure of any such other office or place of profit or as vendor, purchaser or otherwise, and, subject to compliance with the provisions of the Company Act, no contract or transaction entered into by or on behalf of the Company in which a Director is in any way interested shall be liable to be voided by reason thereof.

15.4. Subject to compliance with the provisions of the Company Act, a Director or any corporation or firm in which he has an interest may act in a professional capacity for the Company (except as Auditor of the Company) and he or such corporation or firm shall be entitled to remuneration for professional services as if he were not a Director.

15.5. A Director may be or become a director or other officer or employee of, or otherwise interested in, any corporation or firm in which the Company may be interested as a shareholder or otherwise, and, subject to compliance with the provisions of the Company Act, such Director shall not be accountable to the Company for any remuneration or other benefits received by him as director, officer or employee of, or from his interest in, such other corporation or firm.

PART 16

PROCEEDINGS OF DIRECTORS

16.1. The Chairman of the Board, if any, or in his absence, the President shall preside as chairman at every meeting of the Directors, or if there is no Chairman of the Board or neither the Chairman of the Board nor the President is present within fifteen minutes of the time appointed for holding the meeting or is willing to act as chairman, or, if the Chairman of the Board, if any, and the President have advised the Secretary that they will not be present at the meeting, the Directors present shall choose one of their number to be chairman of the meeting.

16.2. The Directors may meet together for the dispatch of business, adjourn and otherwise regulate their meetings, as they think fit. Questions arising at any meeting shall be decided by a majority of votes. In case of an equality of votes the chairman shall not have a second or casting vote. Meetings of the Board held at regular intervals may be held at such place, at such time and upon such notice (if any) as the Board may by resolution from time to time determine.

16.3. A Director may participate in a meeting of the Board or of any committee of the Directors by means of conference telephones or other communications facilities by means of which all Directors participating in the meeting can hear and speak to each other and provided that all such Directors agree to such participation. A Director participating in a meeting in accordance with this Article shall be deemed to be present at the meeting and to have so agreed and shall be counted in the quorum therefor and be entitled to speak and vote thereat.

16.4. A Director may, and the Secretary or an Assistant Secretary upon request of a Director shall, call a meeting of the Board at any time. Reasonable notice of such meeting specifying the place, day and hour of such meeting shall be given by mail, postage prepaid, addressed to each of the

Directors and alternate Directors at his address as it appears on the books of the Company or by leaving it at his usual business or residential address or by telephone, telegram, telex, or any method of transmitting legibly recorded messages. It shall not be necessary to give notice of a meeting of Directors to any Director or alternate Director if such meeting is to be held immediately following a general meeting at which such Director shall have been elected or is the meeting of Directors at which such Director is appointed. Accidental omission to give notice of a meeting to, or the non-receipt of notice of a meeting by, any Director or alternate Director shall not invalidate the proceedings at that meeting.

16.5. Any Director of the Company may file with the Secretary a document executed by him waiving notice of any past, present or future meeting or meetings of the Directors being, or required to have been, sent to him and may at any time withdraw such waiver with respect to meetings held thereafter. After filing such waiver with respect to future meetings and until such waiver is withdrawn no notice need be given to such Director and, unless the Director otherwise requires in writing to the Secretary, to his alternate Director of any meeting of Directors and all meetings of the Directors so held shall be deemed not to be improperly called or constituted by reason of notice not having been given to such Director or alternate Director.

16.6. The quorum necessary for the transaction of the business of the Directors may be fixed by the Directors and if not so fixed shall be two Directors or, if the number of Directors is fixed at one, shall be one Director.

16.7. The continuing Directors may act notwithstanding any vacancy in their body, but, if and so long as their number is reduced below the number fixed pursuant to these Articles as the necessary quorum of Directors, the continuing Directors may act for the purpose of increasing the number of Directors to that number, or of summoning a general meeting of the Company, but for no other purpose.

16.8. Subject to the provisions of the Company Act, all acts done by any meeting of the Directors or of a committee of Directors, or by any person acting as a Director, shall, notwithstanding that it be afterwards discovered that there was some defect in the qualification, election or appointment of any such Directors or of the members of such committee or person acting as aforesaid, or that they or any of them were disqualified, be as valid as if every such person had been duly elected or appointed and was qualified to be a Director.

16.9. A resolution consented to in writing, whether by document, telegram, telex or any method of transmitting legibly recorded messages, by all of the Directors shall be as valid and effectual as it if had been passed at a meeting of the Directors duly called and held. Such resolution may be in two or more counterparts which together shall be deemed to constitute one resolution in writing. Such resolution shall be filed with the minutes of the proceedings of the Directors and shall be effective on the date stated thereon or on the latest date stated on any counterpart.

PART 17

EXECUTIVE AND OTHER COMMITTEES

17.1. The Directors may by resolution appoint an Executive Committee to consist of such member or members of their body as they think fit, which Committee shall have, and may exercise during the intervals between the meetings of the Board, all the powers vested in the Board except the power to fill vacancies in the Board, the power to change the membership of, or fill vacancies in, said Committee or any other committee of the Board and such other powers, if any, as may be specified in the resolution. The said Committee shall keep regular minutes of its transactions and shall cause them to be recorded in books kept for that purpose, and shall report the same to the Board of Directors at such times as the Board of Directors may from time to time require. The Board shall have the power at any time to revoke or override the authority given to or acts done by the Executive Committee except as to acts done before such revocation or overriding and to terminate the appointment or change the membership of such Committee and to fill vacancies in it. The Executive Committee may make rules for the conduct of its business and may appoint such assistants as it may deem necessary. A majority of the members of said Committee shall constitute a quorum thereof.

17.2. The Directors may by resolution appoint one or more committees consisting of such member or members of their body as they think fit and may delegate to any such committee between meetings of the Board such powers of the Board (except the power to fill vacancies in the Board and the power to change the membership of or fill vacancies in any committee of the Board and the power to appoint or remove officers appointed by the Board) subject to such conditions as may be prescribed in such resolution, and all committees so appointed shall keep regular minutes of their transactions and shall cause them to be recorded in books kept for that purpose, and shall report the same to the Board of Directors at such times as the Board of Directors may from time to time require. The Directors

shall also have power at any time to revoke or override any authority given to or acts to be done by any such committees except as to acts done before such revocation or overriding and to terminate the appointment or change the membership of a committee and to fill vacancies in it. Committees may make rules for the conduct of their business and may appoint such assistants as they may deem necessary. A majority of the members of a committee shall constitute a quorum thereof.

17.3. The Executive Committee and any other committee may meet and adjourn as it thinks proper. Questions arising at any meeting shall be determined by a majority of votes of the members of the committee present, and in case of an equality of votes the chairman shall not have a second or casting vote. A resolution consented to in writing, whether by document, telegram, telex or any method of transmitting legibly recorded messages, by all the members of the Executive Committee or any other committee shall be as valid and effective as if it had been passed at a meeting of such Committee duly called and constituted. Such resolution may be in two or more counterparts which together shall be deemed to constitute one resolution in writing. Such resolution shall be filed with the minutes of the proceedings of the committee and shall be effective on the date stated thereon or on the latest date stated in any counterpart.

PART 18

OFFICERS

18.1. The Directors shall, from time to time, appoint a President and a Secretary and such other officers, if any, as the Directors shall determine and the Directors may, at any time, terminate any such appointment. No officer shall be appointed unless he is qualified in accordance with the provisions of the Company Act.

18.2. One person may hold more than one of such offices except that the offices of president and secretary must be held by different persons unless the Company has only one member. Any person appointed as a Chairman, the President or the Managing Director shall be a Director. The other officers need not be Directors. The remuneration of the officers of the Company as such and the terms and conditions of their tenure of office or employment shall from time to time be determined by the Directors; such remuneration may be by way of salary, fees, wages, commission or participation in profits or any other means or all of these modes and an officer may in addition to such remuneration be entitled to receive after he ceases to hold such office or leaves the employment of the

Company a pension or gratuity. The Directors may decide what functions and duties each officer shall perform and may entrust to and confer upon him any of the powers exercisable by them upon such terms and conditions and with such restrictions as they think fit and may from time to time revoke, withdraw, alter or vary all or any of such functions, duties and powers. The Secretary shall, inter alia, perform the functions of the Secretary specified in the Company Act.

18.3. Every officer of the Company who holds any office or possesses any property whereby, whether directly or indirectly, duties or interests might be created in conflict with his duties or interests as an officer of the Company shall, in writing, disclose to the President the fact and the nature and extent of the conflict.

PART 19

INDEMNITY AND PROTECTION OF DIRECTORS, OFFICERS AND EMPLOYEES

19.1. Subject to the provisions of the Company Act, the Directors shall cause the Company to indemnify a Director or former Director of the Company and the Directors may cause the Company to indemnify a director or former director of a corporation of which the Company is or was a shareholder and the heirs and personal representatives of any such person against all Costs, charges and expenses, including an amount paid to settle an action or satisfy a judgment, actually and reasonably incurred by him or them including an amount paid to settle an action or satisfy a judgment in a civil, criminal or administrative action or proceeding to which he is or they are made a party by reason of his being or having been a Director of the Company or a director of such corporation, including any action brought by the Company or any such corporation. Each Director of the Company on being elected or appointed shall be deemed to have contracted with the Company on the terms of the foregoing indemnity.

19.2. Subject to the provisions of the Company Act, the Directors may cause the Company to indemnify any officer, employee or agent of the Company or of a corporation of which the Company is or was a shareholder (notwithstanding that he is also a Director) and his heirs and personal representatives against all costs, charges and expenses whatsoever incurred by him or them and resulting from his acting as an officer, employee or agent of the Company or such corporation. In addition the Company shall indemnify the Secretary or an Assistant Secretary of the Company (if he shall not be a full time employee of the Company and notwithstanding that he is also a Director) and his respective heirs and legal

representatives against all costs, charges and expenses whatsoever incurred by him or them and arising out of the functions assigned to the Secretary by the Company Act or these Articles and each such Secretary and Assistant Secretary shall on being appointed be deemed to have contracted with the Company on the terms of the foregoing indemnity.

19.3. The failure of a Director or officer of the Company to comply with the provisions of the Company Act or of the memorandum or these Articles shall not invalidate any indemnity to which he is entitled under this part.

19.4. The Directors may cause the Company to purchase and maintain insurance for the benefit of any person who is or was serving as a Director, officer, employee or agent of the Company or as a director, officer, employee or agent of any corporation of which the Company is or was a shareholder and his heirs or personal representatives against any liability incurred by him as such Director, director, officer, employee or agent.

PART 20

DIVIDENDS AND RESERVE

20.1. The Directors may from time to time declare and authorize payment of such dividends, if any, as they may deem advisable and need not give notice of such declaration to any member. No dividend shall be paid otherwise than out of funds and/or assets properly available for the payment of dividends and a declaration by the Directors as to the amount of such funds or assets available for dividends shall be conclusive. The Company may pay any such dividend wholly or in part by the distribution of specific assets and in particular by paid up shares, bonds, debentures or other securities of the Company or any other corporation or in any one or more such ways as may be authorized by the Company or the Directors and where any difficulty arises with regard to such a distribution the Directors may settle the same as they think expedient, and in particular may fix the value for distribution of such specific assets or any part thereof, and may determine that cash payments in substitution for all or any part of the specific assets to which any members are entitled shall be made to any members on the basis of the value so fixed in order to adjust the rights of all parties and may vest any such specific assets in trustees for the persons entitled to the dividend as may seem expedient to the Directors.

20.2. Any dividend declared on shares of any class or series by the Directors may be made payable on such date as is fixed by the Directors.

20.3. Subject to the rights of members (if any) holding shares with special rights as to dividends, all dividends on shares of any class or series shall be declared and paid according to the number of such shares held.

20.4. The Directors may, before declaring any dividend, set aside out of the funds properly available for the payment of dividends such sums as they think proper as a reserve or reserves, which shall, at the discretion of the Directors, be applicable for meeting contingencies, or for equalizing dividends, or for any other purpose to which such funds of the Company may be properly applied, and pending such application may, at the like discretion, either be employed in the business of the Company or be invested in such investments as the Directors may from time to time think fit. The Directors may also, without placing the same in reserve, carry forward such funds, which they think prudent not to divide.

20.5. If several persons are registered as joint holders of any share, any one of them may give an effective receipt for any dividend, bonuses or other moneys payable in respect of the share.

20.6. No dividend shall bear interest against the Company. Where the dividend to which a member is entitled includes a fraction of a cent, such fraction shall be disregarded in making payment thereof and such payment shall be deemed to be payment in full.

20.7. Any dividend, bonuses or other moneys payable in cash in respect of shares may be paid by cheque or warrant sent through the post directed to the registered address of the holder, or in the case of joint holders, to the registered address of that one of the joint holders who is first named on the register, or to such person and to such address as the holder or joint holders may direct in writing. Every such cheque or warrant shall be made payable to the order of the person to whom it is sent. The mailing of such cheque or warrant shall, to the extent of the sum represented thereby, plus the amount of any tax required by law to be deducted) discharge all liability to the dividend, unless such cheque or warrant shall not be paid on presentation or the amount of tax so deducted shall not be paid to the appropriate taxing authority.

20.8. Notwithstanding anything contained in these Articles the Directors may from time to time capitalize any undistributed surplus on hand of the Company and may from time to time issue as fully paid and non assessable any unissued shares, or any bonds, debentures or debt obligations of the Company as a dividend representing such undistributed surplus on hand or any part thereof.

PART 21

DOCUMENTS, RECORDS AND REPORTS

21.1. The Company shall keep at its records office or at such other place as the Company Act may permit, the documents, copies, registers, minutes, and records which the Company is required by the Company Act to keep at its records office or such other place, as the case may be.

21.2. The Company shall cause to be kept proper books of account and accounting records in respect of all financial and other transactions of the Company in order properly to record the financial affairs and conditions of the Company and to comply with the Company Act.

21.3. Unless the Directors determine otherwise, or unless otherwise determined by an ordinary resolution, no member of the Company shall be entitled to inspect the accounting records of the Company.

21.4. The Directors shall from time to time at the expense of the Company cause to be prepared and laid before the Company in general meeting such financial statements and reports as are required by the Company Act.

21.5. Every member shall be entitled to be furnished once gratis on demand with a copy of the latest annual financial statement of the Company and, if so required by the Company Act, a copy of each such annual financial statement and interim financial statement shall be mailed to each member.

PART 22

NOTICES

22.1. A notice, statement or report may be given or delivered by the Company to any member either by delivery to him personally or by sending it by mail to him to his address as recorded in the register of members. Where a notice, statement or report is sent by mail, service or delivery of the notice, statement or report shall be deemed to be effected by properly addressing, prepaying and mailing the notice, statement or report and to have been given on the day, Saturdays, Sundays and holidays excepted, following the date of mailing. A certificate signed by the Secretary or other officer of the Company or of any other corporation acting in that behalf for the Company that the letter, envelope or wrapper containing the notice, statement or report was so addressed, prepaid and mailed shall be conclusive evidence thereof.

22.2. A notice, statement or report may be given or delivered by the Company to the joint holders of a share by giving the notice to the joint holder first named in the register of members in respect of the share.

22.3. A notice, statement or report may be given or delivered by the Company to any person entitled to a share as a guardian, committee, trustee, curator, tutor, legal personal representative or trustee in bankruptcy of a member by sending it through the mail prepaid addressed to such person by name or by the title of representative of the member or by any like description, at the address (if any) supplied to the Company for the purpose by the person claiming to be so entitled, or (until such address has been so supplied) by giving the notice in a manner in which the same might have been given to the member.

22.4. Notice of every general meeting or meeting of members holding a class or series of shares shall be given in a manner hereinbefore authorized to every member holding at the time of the issue of the notice or the date fixed for determining the members entitled to such notice, whichever is the earlier, shares which confer the right to notice of and to attend and vote at any such meeting. No other person except the Auditor of the Company and the Directors of the Company shall be entitled to receive notices of any such meeting.

PART 23

RECORD DATES

23.1. The Directors may fix in advance a date, which shall not be more than the maximum number of days permitted by the Company Act preceding the date of any meeting of members or any class or series thereof or of the payment of any dividend or of the proposed taking of any other proper action requiring the determination of members, as the record date for the determination of the members entitled to notice of, or to attend and vote at, any such meeting and any adjournment thereof, or entitled to receive payment of any such dividend or for any other proper purpose and, in such case, notwithstanding anything elsewhere contained in these Articles, only members of record on the date so fixed shall be deemed to be members for the purposes aforesaid.

23.2. Where no record date is so fixed for the determination of members as provided in the preceding Article the date on which the notice is mailed or on which the resolution declaring the dividend is adopted, as the case may be, shall be the record date for such determination.

PART 24

SEAL

24.1. The Directors may provide a seal for the Company and, if they do so, shall provide for the safe custody of the seal which shall not be affixed to any instrument except in the presence of the following persons, namely:

- (i) any two Directors; or
- (ii) one of a Chairman, the President, the Managing Director, a Director and a Vice-President together with one of the Secretary, the Treasurer, the Secretary-Treasurer, an Assistant Secretary, an Assistant Treasurer and an Assistant Secretary-Treasurer; or
- (iii) if the Company shall have only one member, the President or the Secretary; or
- (iv) such person or persons as the Directors may from time to time by resolution appoint;

and the said Directors, officers, person or persons in whose presence the seal is so affixed to an instrument shall sign such instrument. For the purpose of certifying under seal true copies of any document or resolution the seal may be affixed in the presence of any one of the foregoing persons.

24.2. To enable the seal of the Company to be affixed to any bonds, debentures, share certificates, or other securities of the Company, whether in definitive or interim form, on which facsimiles of any of the signatures of the Directors or officers of the Company are, in accordance with the Company Act and/or these Articles. Printed or otherwise mechanically reproduced there may be delivered to the firm or company employed to engrave, lithograph or print such definitive or interim bonds, debentures, share certificates or other securities one or more unmounted dies reproducing the Company's seal and a Chairman, the President, the Managing Director or a Vice-President and the Secretary, Treasurer, Secretary Treasurer, an Assistant Secretary, an Assistant Treasurer or an Assistant Secretary-Treasurer may by a document authorize such firm or company to cause the Company's seal to be affixed to such definitive or interim bonds, debentures, share certificates or other securities by the use of such dies. Bonds, debentures, share certificates or other securities to which the Company's seal has been so affixed shall for all purposes be deemed to be under and to bear the Company's seal lawfully affixed thereto.

24.3. The Company may have for use in any other province, state, territory or country an official seal which shall have on its face the name of the province, state, territory or country where it is to be used and all of the powers conferred by the Company Act with respect thereto may be exercised by the Directors or by a duly authorized agent of the Company.

PART 25

**SPECIAL RIGHTS AND RESTRICTIONS ATTACHING
TO THE COMMON SHARES WITHOUT PAR VALUE**

25.1. **VOTING**

The holders of the Common Shares without par value (the "Common Shares") shall be entitled to receive notice of and to attend and vote at all meetings of the members of the Company and each Common Share shall confer the right to one vote in person or by proxy at all meetings of the members of the Company, other than meetings of the holders of any other class of shares of the Company.

25.2 **DIVIDENDS**

The holders of Common Shares shall in each year, in the discretion of the Directors, be entitled out of monies lawfully available for dividends to dividends in such amounts as may be determined in the absolute discretion of the Directors from time to time.

25.3 **LIQUIDATION, DISSOLUTION OR WINDING-UP**

In the event of the liquidation, dissolution or winding-up of the Company and after payment of any amount payable on any shares ranking prior to the Common Shares, the property and assets of the Company then remaining shall be distributed rateably to the holders of the Common Shares.

PART 26

**SPECIAL RIGHTS AND RESTRICTIONS ATTACHING
TO THE FIRST PREFERRED SHARES WITHOUT PAR VALUE**

26.1. The First Preferred Shares without par value (the "First Preferred Shares") may, upon compliance with the applicable provisions of the Company Act, be issued at any time and from time to time in one or more series.

26.2. The Directors may, by resolution duly passed before the issuance of First Preferred Shares of any series, alter the Memorandum to fix the number of First Preferred Shares in, and to determine the designation of the First Preferred Shares of each series and alter the Memorandum or the Articles to create, define and attach special rights and restrictions to the First Preferred Shares of each series, subject to the special rights and restrictions attached to all First Preferred Shares and subject to the provisions of the Company Act.

26.3 The First Preferred Shares of any series may have attached thereto such special rights and restrictions as may be determined by directors' resolution with respect to each series including (as examples only), without in any way limiting the generality of the foregoing, special rights and restrictions concerning

(i) the rate or amount of dividends, whether cumulative or non-cumulative, the currency or currencies of payment, the date or dates and places of payment and the date or dates from which such dividends are to accrue,

(ii) the rights to receive notice of or to attend or to vote at any meeting of members of the Company,

(iii) the right to convert or exchange First Preferred Shares of that series into Common Shares or other shares, bonds, debentures, securities, or otherwise,

(iv) the right of the Company to redeem or to purchase First Preferred Shares of that series and the amount to be payable on redemption or purchase,

(v) obligations with respect to sinking funds or funds for purchase or redemption of First Preferred Shares of that series, rights of retraction or share purchase plans,

(vi) restrictions upon the payment of dividends on, or retirement of, any other shares of the Company or of any subsidiary of the Company,

(vii) restrictions upon the redemption or purchase of any other shares of the Company or of any subsidiary of the Company,

(viii) the exercise by the Company of any election open to it to make any payments of corporation, income or other taxes,

(ix) the subdivision, consolidation or reclassification of any shares of the Company,

(x) restrictions upon borrowing by the Company or by any subsidiary of the Company, or the issue by the Company of any preferred shares in addition to the First Preferred Shares of any series at any time outstanding,

(xi) restrictions upon the reduction of capital by the Company or by any subsidiary of the Company,

(xii) restrictions upon the retirement of notes, bonds or debentures or other indebtedness of the Company or of any subsidiary of the Company,

(xiii) limitations or restrictions upon or regulations concerning the conduct of the business of the Company or the investment of its funds,

(xiv) the holding of meetings of the holders of the First Preferred Shares of any series,

(xv) restrictions upon the creation or issuance of any other shares securities of the Company.

26.4 When any fixed cumulative dividends or amounts payable on return of capital are not paid in full, the First Preferred Shares of all series shall participate rateably in respect of such dividends including accumulations, if any, in accordance with the sums which would be payable on the First Preferred Shares if all such dividends were declared and paid in full, and on any return of capital in accordance with the sums which would be payable on such return of capital if all such sums so payable were paid in full.

26.5 The First Preferred Shares shall be entitled to preference over the Second Preferred Shares without par value, the Common Shares of the Company and any other shares of the Company ranking junior to the Preferred Shares with respect to the payment of dividends and may also be given such other preferences over the Second Preferred Shares without par value, the Common Shares of the Company of the Company and any other shares of the Company ranking junior to the First Preferred Shares as may be fixed by the directors of the Company as to the respective series authorized to be issued.

26.6 In the event of the liquidation, dissolution or winding-up of the Company or any other distribution of assets of the Company among its members for the purpose of winding-up its affairs, the holders of the First Preferred Shares shall be entitled to receive the amount paid up on such shares before any amount shall be paid or any property or assets of the Company distributed to the holders of the the Second Preferred Shares without par value, or Common Shares.

26.7 The First Preferred Shares of each series shall rank on a parity with the First Preferred Shares of every other series with respect to the priority in payment of dividends and in the distribution of assets in the event of liquidation, dissolution or winding-up of the Company whether voluntary or involuntary.

26.8 No dividends shall at any time be declared or paid on or set apart for payment on any shares of the Company ranking junior to the First Preferred Shares unless all dividends up to and including the dividend, if any, payable for the last completed period for which such dividends shall be payable on each series of First Preferred Shares then issued and outstanding shall have been declared and paid or set apart for

payment at the date of such declaration or payment or setting apart for payment on such shares of the Company ranking junior to the First Preferred Shares nor shall the Company call for the redemption or redeem or purchase for cancellation or reduce or otherwise pay off any of the First Preferred Shares (less than the total amount then outstanding) or any shares of the Company ranking junior to the First Preferred Shares unless all dividends up to and including the dividend payable for the last completed period for which such dividends shall be payable on each series of the First Preferred Shares then issued and outstanding shall have been declared and paid or set apart for payment at the date of such call for redemption, purchase, reduction or other payment off.

26.9 The provisions of clauses 26.1. to 26.8. hereof inclusive, the provisions of this clause and the provisions of clause 26.10. hereof may be repealed, altered, modified, amended or amplified only with the approval of the holders of the First Preferred Shares given as hereinafter specified in addition to any other approval required by the Company Act.

26.10. The approval of holders of the First Preferred Shares as to any and all matters referred to herein may be given by resolution in writing signed by all the holders of First Preferred Shares or by resolution passed at a meeting of holders of First Preferred Shares duly called and held upon at least 21 days' notice at which the holders of at least a majority of the outstanding First Preferred Shares are present or represented by proxy and carried by the affirmative vote of the holders of not less than 75% of the First Preferred Shares represented and voted at such meeting cast on a poll, in addition to such other vote (including the vote of other classes of members) as may be required by the Company Act. If at any such meeting the holders of a majority of the outstanding First Preferred Shares are not present or represented by proxy within half an hour after the time appointed for the meeting, then the meeting shall be adjourned to such date being not less than 21 days later and to such time and place as may be appointed by the Chairman and at least 14 days' notice shall be given of such adjourned meeting but it shall not be necessary in such notice to specify the purpose for which the meeting was originally called. At such adjourned meeting the holders of First Preferred Shares present or represented by proxy may transact the business for which the meeting was originally convened and a resolution passed thereat by the affirmative votes of the holders of not less than 75% of the First Preferred Shares represented and voted at such adjourned meeting cast on a poll shall constitute the approval of the holders of First Preferred Shares to above. The formalities to be observed with respect to the giving of notice of any such meeting or adjourned meeting and the conduct thereof shall be those from time to time prescribed in the Articles of the Company with respect to meetings of members.

On every poll taken at every such meeting or adjourned meeting every holder of First Preferred Shares shall be entitled to one vote in respect of each First Preferred Share held.

PART 27

SPECIAL RIGHTS AND RESTRICTIONS ATTACHING TO THE SECOND PREFERRED SHARES WITHOUT PAR VALUE

27.1. The Second Preferred Shares without par value (the "Second Preferred Shares") may, upon compliance with the applicable provisions of the Company Act, be issued at any time and from time to time in one or more series.

27.2. The Directors may, by resolution duly passed before the issuance of Second Preferred Shares of any series, alter the Memorandum to fix the number of Second Preferred Shares in, and to determine the designation of the Second Preferred Shares of each series and alter the Memorandum or the Articles to create, define and attach special rights and restrictions to the Second Preferred Shares of each series, subject to the special rights and restrictions attached to all Second Preferred Shares and subject to the provisions of the Company Act.

27.3 The Second Preferred Shares of any series may have attached thereto such special rights and restrictions as may be determined by directors' resolution with respect to each series including (as examples only), without in any way limiting the generality of the foregoing, special rights and restrictions concerning

(i) the rate or amount of dividends, whether cumulative or non-cumulative, the currency or currencies of payment, the date or dates and places of payment and the date or dates from which such dividends are to accrue,

(ii) the right to receive notice of or to attend or to vote at any meeting of members of the Company,

(iii) the right to convert or exchange Second Preferred Shares of that series into Common Shares or other shares, bonds, debentures, securities, or otherwise,

(iv) the right of the Company to redeem or to purchase Second Preferred Shares of that series and the amount to be payable on redemption or purchase,

(v) obligations with respect to sinking funds or funds for purchase or redemption of Second Preferred Shares of that series, rights of retraction or share purchase plans,

(vi) restrictions upon the payment of dividends on, or retirement of, any other shares of the Company or of any subsidiary of the Company,

(vii) restrictions upon the redemption or purchase of any other shares of the Company or of any subsidiary of the Company,

(viii) the exercise by the Company of any election open to it to make any payments of corporation, income or other taxes,

(ix) the subdivision, consolidation or reclassification of any shares of the Company,

(x) restrictions upon borrowing by the Company or by any subsidiary of the Company, or the issue by the Company of any preferred shares in addition to the Second Preferred Shares of any series at any time outstanding,

(xi) restrictions upon the reduction of capital by the Company or by any subsidiary of the Company,

(xii) restrictions upon the retirement of notes, bonds or debentures or other indebtedness of the Company or of any subsidiary of the Company,

(xiii) limitations or restrictions upon or regulations concerning the conduct of the business of the Company or the investment of its funds,

(xiv) the holding of meetings of the holders of the Second Preferred Shares of any series,

(xv) restrictions upon the creation or issuance of any other shares securities of the Company.

27.4 When any fixed cumulative dividends or amounts payable on return of capital are not paid in full, the Second Preferred Shares of all series shall participate rateably in respect of such dividends including accumulations, if any, in accordance with the sums which would be payable on the Second Preferred Shares if all such dividends were declared and paid in full, and on any return of capital in accordance with the sums which would be payable on such return of capital if all such sums so payable were paid in full.

27.5 The Second Preferred Shares shall:

(i) rank junior to the First Preferred Shares with respect to the payment of dividends, and

(ii) shall be entitled to preference over the Common Shares of the Company and any other shares of the Company ranking

junior to the Second Preferred Shares with respect to the payment of dividends and may also be given such other preferences over the Common Shares of the Company and any other shares of the Company ranking junior to the Second Preferred Shares as may be fixed by the directors of the Company as to the respective series authorized to be issued.

27.6 In the event of the liquidation, dissolution or winding-up of the Company or any other distribution of assets of the Company among its members for the purpose of winding-up its affairs, the holders of the Second Preferred Shares shall be entitled to receive the amount paid up on such shares before any amount shall be paid or any property or assets of the Company distributed to the holders of the Common Shares or any other shares ranking junior to the Second Preferred Shares but only after payment of any amount required to be paid on any First Preferred Shares.

27.7 The Second Preferred Shares of each series shall rank on a parity with the Second Preferred Shares of every other series with respect to the priority in payment of dividends and in the distribution of assets in the event of liquidation, dissolution or winding-up of the Company whether voluntary or involuntary.

27.8 No dividends shall at any time be declared or paid on or set apart for payment on any shares of the Company ranking junior to the Second Preferred Shares unless all dividends up to and including the dividend, if any, payable for the last completed period for which such dividends shall be payable on each series of Second Preferred Shares then issued and outstanding shall have been declared and paid or set apart for payment at the date of such declaration or payment or setting apart for payment on such shares of the Company ranking junior to the Second Preferred Shares nor shall the Company call for the redemption or redeem or purchase for cancellation or reduce or otherwise pay off any of the Second Preferred Shares (less than the total amount then outstanding) or any shares of the Company ranking junior to the Second Preferred Shares unless all dividends up to and including the dividend payable for the last completed period for which such dividends shall be payable on each series of the Second Preferred Shares then issued and outstanding shall have been declared and paid or set apart for payment at the date of such call for redemption, purchase, reduction or other payment off.

27.9 The provisions of clauses 27.1. to 27.8. hereof inclusive, the provisions of this clause and the provisions of clause 27.10. hereof may be repealed, altered, modified, amended or amplified only with the approval of the holders of the Second Preferred Shares given as hereinafter specified in addition to any other approval required by the Company Act.

27.10. The approval of holders of the Second Preferred Shares as to any and all matters referred to herein may be given by resolution in writing signed by all the holders of Second Preferred Shares or by resolution passed at a meeting of holders of Second Preferred Shares duly called and held upon at least 21 days' notice at which the holders of at least a majority of the outstanding Second Preferred Shares are present or represented by proxy and carried by the affirmative vote of the holders of not less than 75% of the Second Preferred Shares represented and voted at such meeting cast on a poll, in addition to such other vote (including the vote of other classes of members) as may be required by the Company Act. If at any such meeting the holders of a majority of the outstanding Second Preferred Shares are not present or represented by proxy within half an hour after the time appointed for the meeting, then the meeting shall be adjourned to such date being not less than 21 days later and to such time and place as may be appointed by the Chairman and at least 14 days' notice shall be given of such adjourned meeting but it shall not be necessary in such notice to specify the purpose for which the meeting was originally called. At such adjourned meeting the holders of Second Preferred Shares present or represented by proxy may transact the business for which the meeting was originally convened and a resolution passed thereat by the affirmative votes of the holders of not less than 75% of the Second Preferred Shares represented and voted at such adjourned meeting cast on a poll shall constitute the approval of the holders of Second Preferred Shares referred to above. The formalities to be observed with respect to the giving of notice of any such meeting or adjourned meeting and the conduct thereof shall be those from time to time prescribed in the Articles of the Company with respect to meetings of members. On every poll taken at every such meeting or adjourned meeting every holder of Second Preferred Shares shall be entitled to one vote in respect of each Second Preferred Share held.

DATED: July 1988

BETWEEN:

HER MAJESTY THE QUEEN IN RIGHT OF
THE PROVINCE OF BRITISH COLUMBIA

AND:

INLAND NATURAL GAS CO. LTD.

AND:

BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY

AND:

74280 B.C. LTD.

A G R E E M E N T

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

Delivered by Hand on July , 1988.

Minister of Finance and
Corporate Relations
Parliament Buildings
Victoria, B.C.

Dear Mr. Minister:

This letter is written to confirm the agreement that the Province of British Columbia (the "Province") and XYZ Gas Co. Ltd. (the "Purchaser") have reached with respect to a deposit, particularized below, tendered herewith by the Purchaser to the Province to be held by the Province to secure the Purchaser's undertaking to negotiate an agreement to purchase all of the issued and outstanding shares (the "Snares") of 74280 B.C. Ltd. (the "Intermediary Company") from the Province.

In order to induce the Province to enter into negotiations for an agreement whereby the Province will sell and the Purchaser will purchase the Shares (a "Share Purchase Agreement") and to allow the Province to make a suitable public announcement, the Purchaser hereby:

- (1) TENDERS a deposit of \$25 million (the "Deposit") payable by the Purchaser to the Province by certified cheque.
- (2) UNDERTAKES to negotiate in good faith and enter into a Share Purchase Agreement substantially in the form of the agreement attached hereto as Schedule "A", and entitled Share Purchase Agreement, containing, inter alia, the following terms:

- (a) the purchase price of the Shares will be \$1.00;
 - (b) the Purchaser will assume \$ of a promissory note made by the Intermediary Company in the amount of \$ (the "Note") in favour of British Columbia Hydro and Power Authority ("Hydro") in the form of Schedule "B" attached hereto;
 - (c) the Purchaser will pay the assumed portion of the Note and will have arranged for the payment of \$ in accordance with the vendor equity financing arrangement described in Schedule "C" attached hereto;
 - (d) the Purchaser will cause the Company to pay the balance of the Note and will have arranged for the payment of this balance in accordance with the vendor debt financing arrangement described in Schedule "D" hereto;
 - (e) the Share Purchase Agreement will close on September 30, 1988 or such other date as agreed to by the parties (the "Closing Date");
 - (f) prior to the Closing Date, the Intermediary Company will have acquired the gas distribution system owned and operated by Hydro in the Lower Mainland and Fraser Valley areas of British Columbia in accordance with the Hydro and Power Authority Privatization Act.
- (3) AND AGREES with respect to the Deposit as follows:

- (a) the Deposit will be refunded to the Purchaser only if:

- (i) the purchase of the Shares takes place on the Closing Date and the Note is paid in accordance with paragraphs (c) and (d) above;
- (ii) the Province in bad faith fails to use its best efforts to enter into and complete the Share Purchase Agreement on the Closing Date; or
- (iii) the conditions precedent as set out in Paragraph 4.01 of Schedule "A" are not fulfilled; or
- (iv) the conditions precedent as set out in Paragraph 10 of Schedule "A" are not fulfilled and the performance thereof has not been waived by the Purchaser in accordance with the provisions thereof.

If the Deposit is refunded, it shall bear interest from the date of receipt by the Province at a rate equal to the "Agreed Rate" as defined in the Share Purchase Agreement.

- (b) If the events described in Paragraph (a)(i) do not occur for any reason other than an event described in Paragraphs (a)(ii), (iii) or (iv), then the Province may elect to cancel this letter Agreement forthwith and the Deposit shall be forfeited to the Province as liquidated damages.

Each of the Province and the Purchaser covenant and agree to use their best efforts to complete a Share Purchase Agreement, together with all ancillary documents referred to therein, and any other ancillary documents required, as expeditiously as possible, and further will use their best efforts to agree upon the terms with respect to those documents.

If you are in agreement with the foregoing and accept our tender of the Deposit, please sign and return to us the enclosed duplicate copy of this letter.

Yours very truly,

XYZ GAS CO. LIMITED

Per: _____

Per: _____

The foregoing is agreed to by us and we accept the Deposit:

THE PROVINCE OF BRITISH COLUMBIA

Minister of Finance and
Corporate Relations

Date: _____

cc: BRITISH COLUMBIA HYDRO AND POWER AUTHORITY
Attention: Mr. L.I. Bell

WPD-H/MG/3-1

Page 1 of 1

SCHEDULE "T"

EMPLOYEE SERVICE AGREEMENT

THIS AGREEMENT entered into as of the day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an
Act of the Province of British Columbia and
continued under the Hydro and Power Authority
Act, R.S.B.C. 1979, c. 188

("Hydro")

OF THE FIRST PART

AND:

74280 B.C. LTD., a body corporate under the
laws of the Province of British Columbia

(the "Company")

OF THE SECOND PART

W H E R E A S:

A. By separate agreement executed concurrently herewith (the "Asset Transfer Agreement"), Hydro agreed to sell to the Company and the Company agreed to Purchase from Hydro certain of the assets of its gas utility business (the "Business"), upon the terms more specifically set out therein;

B. For the purposes of this Agreement, all capitalized words herein shall have the same meaning given to those words in the Asset Transfer Agreement, unless otherwise defined herein;

C. The Company wishes to engage Hydro to supply the services of certain of its employees to the Company (the "Employment Services").

NOW THEREFORE THIS AGREEMENT WITNESSES THAT in consideration of the premises and of the mutual covenants and agreements herein contained the parties hereto agree as follows:

1.0 DEFINITIONS

- 1.01 (a) "**Employees**" means those employees of Hydro engaged full or part-time in providing any services to the Business under this Agreement and "Employee" means one of them;
- (b) "**Hydro**" means the British Columbia Hydro and Power Authority;
- (c) "**Hydro's Cost**" means the cost of all salaries and other benefits incurred by Hydro with respect to the provision of the services of the Employees to the Company;
- (d) "**Term**" means the term of this agreement, as described in Paragraph 4.0.

2.0 EMPLOYEE SERVICES

2.01 The Company hereby engages Hydro to provide the Employment Services to the Company upon the terms and conditions contained herein.

2.02 During the term the employees shall continue to be employees of Hydro and not employees of the Company.

3.0 FEES

The Company will, as required, pay Hydro in advance a fee in such amount to be agreed by the parties as represents a recovery of Hydro's Cost.

4.0 TERM

This Agreement shall commence on the date hereof and terminate and be of no further force or effect on September 30, 1988, unless extended by written agreement of the parties hereto.

5.0 AMENDMENTS

At any time during this Agreement the parties may execute and deliver any instruments or agreements modifying or supplementing this Agreement which thereafter shall form part hereof.

6.0 GENERAL

6.01 This Agreement constitutes the entire agreement between the parties regarding this subject matter and there are no understandings or agreements collateral hereto, oral or otherwise, and no representations or warranties, express or implied except as expressly set out in this Agreement.

6.02 Any notice, report or other document that either party may be required or may desire to give to the other party shall be in writing, unless otherwise specified herein, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex, or facsimile copier, when received:

(a) if to the Company:

74280 B.C. Ltd.
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3
Attention: President

(b) if to B.C. Hydro:

British Columbia Hydro and
Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3
Attention: Comptroller

or at such other address as either party may from time to time designate by notice in writing to the other.

6.03 The parties will do such reasonable acts and things and execute and deliver such further and other documents and assurances as may be reasonably required for the purposes of carrying out the true meaning and intent of this Agreement.

6.04 This Agreement shall be governed by and construed in accordance with the laws of the Province of British Columbia and the laws of Canada where applicable.

6.05 The headings or captions appearing in this Agreement are inserted for ease of reference only and shall have no effect on the construction or interpretation of this Agreement.

6.06 This Agreement will enure to the benefit of and be binding upon the parties hereto and their heirs, executors, administrators, successors and assigns of the parties.

IN WITNESS WHEREOF the parties have executed this Agreement as of the day and year first above written.

THE CORPORATE SEAL OF
74280 B.C. LTD. was
hereunto affixed in the
presence of:

C/S

Authorized Signatory

Authorized Signatory

**BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY**

Authorized Signatory

Authorized Signatory

201

SUPPLEMENTAL SHARE PURCHASE AGREEMENT
[Mainland Gas]

THIS SUPPLEMENTAL AGREEMENT made as of the 29th day of September, 1988

BETWEEN:

HER MAJESTY THE QUEEN IN RIGHT OF THE PROVINCE OF BRITISH COLUMBIA, represented by the Minister of Finance and Corporate Relations

(the "Vendor")

OF THE FIRST PART

AND:

INLAND NATURAL GAS CO. LTD., a body corporate under the laws of the Province of British Columbia, having its registered office at 2600 - 700 West Georgia Street, Vancouver, British Columbia

(the "Purchaser")

OF THE SECOND PART

AND:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY, a Crown Corporation established pursuant to an act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, Chapter 188, as amended

("Hydro")

OF THE THIRD PART

AND:

B.C. GAS INC., (formerly **74280 B.C. LTD**), a body corporate under the laws of the Province of British Columbia, having its registered office at 2800 - 595 Burrard Street, Vancouver, British Columbia

(the "Company")

OF THE FOURTH PART

REAS:

A. By an agreement (the "Share Purchase Agreement") dated July 20, 1988 the Vendor agreed to sell and the Purchaser agreed to purchase all the issued and outstanding shares in the capital of the Company, upon the terms and conditions contained therein; and

B. The parties have agreed to amend and supplement the Share Purchase Agreement as herein provided.

NOW THEREFORE THIS AGREEMENT WITNESSES that in consideration of the sum of \$1.00 and other good and valuable consideration (the receipt and sufficiency of which is hereby acknowledged by each party), the parties hereto covenant and agree as follows:

1. The Share Purchase Agreement is hereby amended by:

(a) deleting paragraph 1.01(g) and substituting the following in its place:

"1.01(g) **"Assumed Current Assets"** means the rights, property and current assets of Hydro as of the Closing Date, relating to the Business and listed as such in Schedule "A"."

(b) deleting paragraph 1.01(h) and substituting the following in its place:

"1.01(h) **"Assumed Current Liabilities"** means those current liabilities and obligations of Hydro as of the Closing Date, relating to the Business and listed as such in Schedule "B"."

- (c) deleting paragraph 1.01(y) and substituting the following in its place:

"1.01(y) **"Interest Bearing Note"** means the promissory note issued by the Company in favour of Hydro in the amount of \$438,005,500, payable on demand bearing interest at Hydro's Interest Rate and dated the Asset Transfer Closing Date."

- (d) deleting paragraph 1.01(aa) and substituting the following in its place:

"1.01(aa) **"Non-Interest Bearing Note"** means the promissory note issued by the Company in favour of Hydro in the amount of \$285,994,500 payable on demand, without interest and dated the Asset Transfer Closing Date."

- (e) deleting paragraph 1.01(cc) and substituting the following in its place:

"1.01(cc) **"Post Closing Adjustment"** means the aggregate of items (i) and (ii) next following:

- (i) the difference between the dollar amount of the Advances and the amount estimated in Paragraph 3.01(e);
- (ii) the difference between the dollar amount of the Additional Net Fixed Assets and the estimated dollar amount stated in 5.01(b) of the Asset Transfer Agreement (\$8,000,000)."

- (f) adopting the following as paragraph 1.01(ii):

"1.01(ii) **"Additional Net Fixed Assets"** means the dollar amount of those capital expenditures, in respect of the Business made during the period from April 1 to 12:01 a.m. on July 16, 1988, net of disposals and depreciation and

determined using the accrual method of accounting applied consistently with prior periods."

- (g) adopting the following as paragraphs 1.03(h), (i) and (j):

"1.03(h) Schedule "H" - Legal Opinion of Purchaser's Counsel;

(i) Schedule "I" - Legal Opinion of Vendor's Counsel;

(j) Schedule "J" - Assumption Agreement."

- (h) deleting paragraph 2.0 and substituting the following in its place:

"2.0 Purchase and Sale of Shares

On the Closing Date, the Vendor shall transfer the Assumed Current Assets to the Company, and the Purchaser agrees that the Company shall assume the Assumed Current Liabilities both as at an effective date of September 29, 1988, and the Vendor shall sell and the Purchaser shall purchase the Shares on the terms and conditions herein contained."

- (i) deleting paragraph 3.01 and substituting the following in its place:

"3.01 Financial Consideration

The Financial Consideration for the purchase shall be \$785,000,000, being the aggregate of:

(a) \$1.00, being the purchase price of the Shares;

(b) \$438,005,500, being the amount of the Interest Bearing Note;

- (c) \$285,994,500, being the amount of the Non-Interest Bearing Note;
 - (d) \$5,000,000, being the estimated social services tax and property purchase tax payable;
 - (e) \$12,000,000, being the estimated dollar amount of the Advances;
 - (f) \$44,000,000, being the amount referred to in Paragraph 5.01(e) in the Asset Transfer Agreement, to be secured by the Purchaser's guarantee in form satisfactory to the Minister."
- (j) substituting for "satisfactory to Vendor's counsel" in paragraph 11.01(g) "attached hereto as Schedule "H"."
- (k) substituting for "satisfactory to Purchaser's counsel" in paragraph 11.02(c) 6 "attached hereto as Schedule "I".
- (l) adding the following to the end of Section 3.06:

"The Vendor will file the remittance form for the social service tax as prepared and provided by the Company and make the payments required to be made therefor within the time as is required by applicable legislation."

2. Save as amended or modified by this Supplemental Share Purchase Agreement, the Share Purchase Agreement shall continue in full force and effect and shall be read and construed, with effect from and after the date hereof, as though the amendments to the Share Purchase Agreement effected by this Supplemental Share Purchase Agreement were incorporated in the Share Purchase Agreement at the time of execution of this Supplemental Share Purchase Agreement.

3. This Supplemental Share Purchase Agreement shall enure to the benefit of and be binding upon each of the parties hereto and their respective successors and assigns.

4. This Supplemental Share Purchase Agreement may be executed in any number of counterparts, each of which shall be deemed to be an original, but all of which together shall constitute one and the same document.

IN WITNESS WHEREOF the parties hereto have executed this agreement as of the date and year first above written.

SIGNED, SEALED and DELIVERED)
by The Minister of Finance)
and Corporate Relations on)
behalf of HER MAJESTY THE)
QUEEN IN RIGHT OF THE)
PROVINCE OF BRITISH COLUMBIA)
in the presence of:)

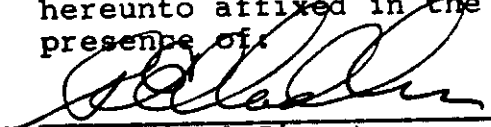
Name

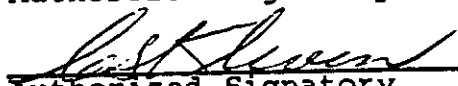
Address

Occupation


THE MINISTER OF FINANCE AND
CORPORATE RELATIONS

THE COMMON SEAL OF INLAND
NATURAL GAS CO. LTD. was
hereunto affixed in the
presence of:


Authorized Signatory


Authorized Signatory


C/S

THE COMMON SEAL OF
BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY was
hereunto affixed in the
presence


Authorized Signatory

C/S

COMMON SEAL OF
B.C. GAS INC. was
hereunto affixed in the
presence of:


Authorized Signatory

C/S

This is page 7 of the Supplemental Share Purchase Agreement made as of the 29th day of September, 1988 between Her Majesty the Queen in Right of the Province of British Columbia, Inland Natural Gas Co. Ltd., British Columbia Hydro and Power Authority and B.C. Gas Inc.

WPD-H/MG9-3

ASSUMPTION AGREEMENT

THIS AGREEMENT made as of the 29th day of September, 1988 with effect as and from the 15th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an
Act of the Province of British Columbia and
continued under the Hydro and Power Authority
Act, R.S.B.C. 1979, Chapter 188, as amended of
970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter called "Hydro")

OF THE FIRST PART

AND:

B.C. GAS INC., a company duly incorporated
under the laws of the Province of British
Columbia and having its registered office at
595 Burrard Street, Vancouver, British Columbia

(hereinafter called the "Company")

OF THE SECOND PART

WHEREAS:

A. By separate agreement made as of the 15th day of July 1988, (the "Asset Transfer Agreement"), Hydro agreed to sell to the Company and the Company agreed to purchase from Hydro certain of the assets of its gas utility business (the "Business") upon the terms and conditions specifically set out therein;

B. Pursuant to paragraph 4.01 of the Asset Transfer Agreement, the Company has agreed to assume the Assumed Liabilities (as defined in paragraph 1.01(h) of the Asset Transfer Agreement) of Hydro, as and from the Closing Date, upon the terms and conditions contained therein; and

C. For the purposes of this Agreement, all capitalized words used herein shall have the same meaning given to those words as in the Asset Transfer Agreement, unless otherwise defined herein.

NOW THEREFORE THIS AGREEMENT WITNESSES that in consideration of the sum of \$1.00 now paid by the Company to Hydro and other good and valuable consideration (the receipt and sufficiency of which is hereby acknowledged), the parties hereby agree as follows:

1. Hydro hereby assigns, transfers and sets over to the Company all of its right, title and interest in and to the Assumed Liabilities and the Company hereby agrees to assume, pay or cause to be paid, discharge and perform the Assumed Liabilities and each and every covenant, agreement, proviso and condition thereunder, arising from and after the Closing Date, such assignment and assumption to be effective as and from the Closing Date.

2. Up to the Closing Date and apart from obtaining any consents related to assignment, Hydro covenants that it is not in default of its obligations contained in the Assumed Liabilities in any material respect and it has complied with and duly observed and performed all its material covenants, obligations and conditions set forth in the Assumed Liabilities.

3. As and from the Closing Date, the Company covenants that it shall duly perform, pay and discharge the Assumed Liabilities in accordance with the original terms and conditions of such obligations and liabilities, and subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, that it will indemnify and save harmless Hydro from and against any and all actions, claims, demands, loss or damage whatsoever incurred or suffered by Hydro arising from or in any manner connected with the Assumed Liabilities after the Closing Date.

4. It is hereby declared to be the intention of the parties that this Agreement shall be construed so as to place the Company in the position of principal obligant or debtor in place and stead of Hydro in respect of the Assumed Liabilities as of and from the Closing Date.

5. The Company shall, from time to time, at the request of Hydro, execute such contracts and agreements with third parties as Hydro shall require in order that Hydro may be released and discharged from all obligations on its part to be performed under the Assumed Liabilities as of and from the Closing Date.

6. Each of the parties hereto covenants and agrees to do such reasonable acts and things and execute and deliver such further and other documents and assurances as may be reasonably required to carry out the intent of this Agreement.

7. This Agreement shall enure to the benefit of and be binding upon the parties hereto and their respective successors and permitted assigns.

IN WITNESS WHEREOF the parties have executed this Agreement as of the day and year first above written.

THE COMMON SEAL OF BRITISH)
COLUMBIA HYDRO AND POWER)
AUTHORITY was hereunto)
affixed in the presence of:)


Authorized Signatory)

C/S

THE COMMON SEAL OF)
B.C GAS INC. was hereunto)
affixed in the presence of:)

Authorized Signatory)

C/S

DATED: the 29th day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

ASSUMPTION AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-H/MG/3-4

File No. 1166/9

BURRARD THERMAL FIRM GAS PURCHASE AGREEMENT

THIS AGREEMENT made as of the 29th day of September, 1988, with effect as and from the 15th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an
Act of the Province of British Columbia and
continued under the Hydro and Power Authority
Act, R.S.B.C. 1979, c. 188

(hereinafter called "Hydro")

OF THE FIRST PART

AND:

B.C. GAS INC., a body corporate under
the laws of the Province of British
Columbia, having its registered office at
2800 - 595 Burrard Street, Vancouver,
British Columbia, V7X 1J5

(hereinafter called the "Company")

OF THE SECOND PART

W H E R E A S:

A. By separate agreement made as of the 15th day of July, 1988 (the "Asset Transfer Agreement") Hydro agreed to sell to the Company and the Company agreed to purchase from Hydro certain assets upon the terms more specifically set out therein;

B. For the purposes of this Agreement, all capitalized words shall have the same meaning given to those words in the Asset Transfer Agreement, unless otherwise defined herein;

C. Hydro owns and operates the Burrard Thermal electrical energy generating station for the production of electrical energy and requires a firm supply of natural gas for space heating and for frost protection of the main boilers at Burrard Thermal.

NOW THEREFORE THIS AGREEMENT WITNESSETH, that in consideration of the mutual covenants, agreements and warranties hereinafter set forth, each of the parties covenant and agree as follows:

1.0 DEFINITIONS

Where used herein or in any amendment hereto, unless the context otherwise requires, each of the following words shall have the meaning set forth as follows:

- (a) "Burrard Thermal" means the Burrard Thermal electrical energy generating station owned and operated by Hydro and situate at Port Moody, British Columbia;
- (b) "Commodity Cost" means the field commodity cost of natural gas negotiated by the Company from time to time for firm industrial customers with loads of the type and size to be supplied by the Company under this Agreement;
- (c) "Commodity Tolls" means the commodity charges prescribed by the toll schedules of Westcoast Energy Inc. ("Westcoast") as approved from time to time by the National Energy Board ("NEB") and applicable to the gas supplied hereunder;
- (d) "Demand Tolls" means the demand charges prescribed by the toll schedules of Westcoast approved from time to time by the NEB and applicable to the gas supplied hereunder;
- (e) "PST" means Pacific Standard Time;
- (f) "10³m³" means 1,000 cubic metres of gas; and

(g) "Term" means that period described in Section 5.0.

2.0 GAS SUPPLY

2.01 The Company will sell and deliver to Hydro natural gas for space heating and for frost protection of the main boilers at Burrard Thermal and Hydro shall take and pay for such natural gas upon the terms and conditions herein contained.

2.02 The maximum consumption of natural gas by Hydro under this Agreement shall not be greater than $1.7 \times 10^3 \text{m}^3$ per hour (the "Maximum Hourly Take") and $28.3 \times 10^3 \text{m}^3$ per day (the "Contract Demand") and these consumptions shall not be exceeded without the prior written approval of the Company.

3.0 CHARGES

3.01 Hydro shall pay the Company for the services provided hereunder the total of:

- (a) the Commodity Cost;
- (b) the applicable Westcoast Demand Tolls associated with a contract demand equivalent to $28.3 \times 10^3 \text{m}^3$ per day;
- (c) the applicable Westcoast Commodity Tolls associated with the natural gas supplied hereunder; and
- (d) taxes directly on the charges under subsections 3.01(a), (b) and (c) herein, including social services tax.

3.02 In addition to the payments to be made pursuant to section 3.01 Hydro shall pay to the Company for the services provided hereunder the following sums as follows:

- (a) on the first day of August, 1988 and on the first day of each and every month thereafter to and including the first day of June 1989, the sum of \$18,500;
- (b) on the first day of July, 1989 and on the 1st day of each and every month thereafter to and including the first day of June, 1990, the sum of \$19,425; and
- (c) on the first day of July, 1990 and on the first day of each and every month thereafter the sum of \$20,396.25 until such sum is adjusted either by agreement between the parties or by the regulatory authority having jurisdiction over this Agreement.

Payments under this section shall be made notwithstanding the occurrence of an event of Force Majeure claimed by Hydro.

4.0 CONNECTION

The point of delivery shall be at the outlet of the Company's gas metering station on the Burrard Thermal property.

5.0 TERM

5.01 Natural gas shall be available for supply by the Company under this Agreement during the period commencing at 0800 hours PST on July 15, 1988, and terminating at 0800 hours PST on September 30, 1998.

5.02 The duties and obligations of the parties accrued to the date of termination of this Agreement shall survive termination.

ACCOUNTS

6.01 Natural gas supplied hereunder shall be considered, for billing purposes, as having passed through the Company's gas metering station on the Burrard Thermal property before natural gas supplied or delivered to Hydro by the Company under the Burrard Thermal Interruptible Gas Purchase Agreement, made as of July 15, 1988, as amended from time to time.

6.02 Bills will be rendered by the Company to Hydro on a monthly basis. The due date for payment of bills is the first business day after nineteen calendar days following the billing date as shown on the face of the bill.

6.03 If the amount due on any bill has not been paid in full on or before the due date, a further bill will be rendered to include the overdue amount plus a late payment charge of 1 1/2% per month (equivalent to 19.6% per annum when compounded monthly). To allow time for payments made to reach the Company's payment processing centre and to coordinate the billing of late payment charges with scheduled billing cycles, the Company may, in its discretion, waive late payment charges on payments not processed until a number of days after the due date.

6.04 Hydro shall make all payments to the Company required under this Agreement at a Company office located within the Lower Mainland designated by the Company from time to time for such purpose.

7.0 CHARTS

Hydro shall, at the request of the Company:

- (a) (i) change charts at 0800 PST on the first day of each month and at 0800 PST on any day a chart change is required,
 - (ii) enter all the information required to complete the reverse side of each chart as it is removed from the meter,
 - (iii) send all completed charts to the Company in a manner specified by the Company except for those charts removed during the final four (4) days of each month which will be picked up by a representative of the Company on the first working day of the following month,
 - (iv) wind the clock mechanism, ink and service the recorder pens, and report forthwith mechanical failure to the Company,
 - (v) take readings of front and rear dials at 0800 PST on each working day and telephone them to the Company by noon the same day, and
 - (vi) advise the Company as soon as possible of any actual or anticipated abnormal change in Hydro's rate of consumption of gas; and
- (b) permit the Company to maintain on Hydro's premises aforesaid, the necessary communication circuit and other facilities for the purpose of telemetering Hydro's gas consumption.

8.0 CONSUMPTION ABOVE CONTRACT DEMAND

Gas consumed by Hydro in excess of the Contract Demand shall be considered as gas consumed under the Burrard Thermal

interruptible Gas Purchase Agreement made as of July 15, 1988, as amended from time to time, and Hydro shall pay for such excess gas in accordance with the provisions of that Agreement.

9.0 SUSPENSIONS

If as a result of any emergency or force beyond the reasonable control of either party herein or strike, lockout or other such disturbance of either party (the "Force Majeure"), either party is or was wholly or partly unable because of the Force Majeure, to perform an obligation arising from this Agreement and claims that a Force Majeure is occurring or has occurred and reasonably establishes that fact, then the performance of the obligation shall be deemed to be suspended provided always that:

- (a) the suspension shall be of no greater scope and no longer duration than the Force Majeure,
- (b) the non-performing party shall make its best efforts to counter the Force Majeure or to otherwise remedy its inability to perform the obligation,
- (c) a performance required at a time other than when the Force Majeure is occurring shall not be excused by the Force Majeure, and
- (d) an obligation to make a payment when due shall not be excused by the Force Majeure.

10.0 LIABILITY AND INDEMNITY

10.01 Subject to the Financial Administration Act S.B.C. 1981, c.15, as amended, and the Hydro and Power Authority Act R.S.B.C. 1979, c.188, as amended and the regulations thereunder:

- (a) Hydro shall be liable for and shall indemnify and save harmless the Company, its employees and agents, from and against any and all damage, loss, cost and expense which the Company, its employees or agents, may suffer or incur; and
- (b) Hydro shall indemnify and save harmless the Company, its employees and agents, from and against all claims, demands, costs, actions and causes of action whatsoever (including assessments by the Workmen's Compensation Board of British Columbia) which may be brought or made against the Company, its employees or agents,

in either case caused by, arising out of, or connected in any way with any of Hydro's equipment or any use thereof or disturbing element caused, permitted or introduced by Hydro or Hydro's equipment, or caused by, arising out of or connected in any way with any action, effect or use of gas after the same shall have been delivered to Hydro.

10.02 Hydro, its employees or agents, will not be liable to the Company pursuant to paragraph 10.01(a) for any loss of revenue or profits or other indirect, consequential or financial loss whether such loss is caused by an act or omission of Hydro, its employees or agents, later found to be negligent or otherwise.

11.0 MISCELLANEOUS

11.01 Natural gas supplied hereunder shall be subject to the terms and conditions from time to time contained in the Company's gas tariff, except where the terms of this Agreement are inconsistent with the Company's gas tariff, in which event the terms of this Agreement shall prevail.

11.02 No waiver of or failure by the Company to enforce any right or to exercise any remedy provided in the Agreement shall affect or prejudice the rights and remedies of the Company in respect of any future or other breach of the Agreement by Hydro or in respect of any matter for which the Company may be entitled to discontinue the supply of gas.

11.03 Any notice report or other document that either party may be required or may desire to give to the other shall be in writing, unless otherwise provided for, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex or facsimile copiers when received:

(a) if to the Company:

B.C. Gas Inc.
23rd Floor
1066 West Hastings Street
Vancouver, B.C.
V5E 3G3

Attention: Secretary

(b) if to Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

or at such other address as either party may from time to time designate by notice in writing to the other.

11.04 This Agreement is subject to the Company obtaining and maintaining any regulatory approvals that may be required.


11.05 A party shall not commence any legal proceedings against the other party in respect to the interpretation or enforcement of

this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party, and included in such reasonable steps is the right of a party to submit any dispute, with the other party, arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment thereof.

11.06 Notwithstanding any statutory limitation to the contrary, a party shall not commence any action, arbitration or other proceeding between the parties after the expiry of a period of two years after the issue in dispute arose.

IN WITNESS WHEREOF the parties have executed this Agreement as of the day and year first above written.

The Common Seal of
BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY
was hereunto affixed in the
presence of:


Authorized Signatory

c/s

The Common Seal of B.C. GAS
INC. was hereunto affixed
in the presence of:


Authorized Signatory

c/s

DATED: the 29th day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

BURRARD THERMAL FIRM GAS
PURCHASE AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD/H/MG/11-1 File No. 1166/9

**AMENDED AND RESTATED
BURRARD THERMAL INTERRUPTIBLE GAS PURCHASE AGREEMENT**

THIS AGREEMENT made as of the 29th day of September, 1988 is an amendment and re-statement of an agreement made as of July 15, 1988 between the parties noted below.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, RSBC, 1979, ch.188

("Hydro")

OF THE FIRST PART

AND:

B.C. GAS INC. , a body corporate under the laws of the Province of British Columbia, having its registered office at 2800 - 595 Burrard Street, Vancouver, British Columbia, V7X 1J5

(the "**Company**")

OF THE SECOND PART

W H E R E A S:

A. By separate agreement made as of the 15th day of July, 1988 (the "Asset Transfer Agreement") Hydro agreed to sell to the Company and the Company agreed to purchase from Hydro certain assets upon the terms more specifically set out therein;

B. For the purposes of this Agreement, all capitalized words shall have the same meaning given to those words in the Asset Transfer Agreement, unless otherwise defined herein; and

C. Hydro owns and operates the Burrard Thermal electrical energy generating station for the production of electrical energy

and requires an interruptible supply of natural gas to fuel its operation of Burrard Thermal.

NOW THEREFORE THIS AGREEMENT WITNESSETH, that in consideration of the mutual covenants and agreements in herein contained, the parties hereto mutually covenant and agree that:

1.0 DEFINITIONS

Where used herein or in any amendment hereto, unless the context otherwise requires, each of the following words shall have the meaning set forth as follows:

- (a) **"Burrard Thermal"** means the Burrard Thermal electrical energy generating station owned and operated by Hydro and situate at Port Moody, British Columbia;
- (b) **"Commodity Cost"** means the field commodity cost of natural gas negotiated by the Company from time to time for the purposes of this Agreement, the current cost of which is \$1.03 per gigajoule;
- (c) **"Commodity Tolls"** means the commodity charges prescribed by the toll schedules of Westcoast Energy Inc. ("Westcoast") as approved from time to time by the National Energy Board ("NEB") and applicable to the gas supplied or delivered hereunder.
- (d) **"Contract Year"** means each successive twelve-month period of the Term commencing 8:00 a.m. PST September 30, 1988;
- (e) **"Demand Tolls"** means the demand charges prescribed by the toll schedules of Westcoast as approved from time to time by the NEB and applicable to the gas supplied or delivered hereunder.

- (f) **"Period of Interruption"** means the period during which Hydro is required by the Company to cease or curtail the use of natural gas under this Agreement;
- (g) **"Seasonal Gas"** means that natural gas which can be purchased by the Company over and above its system requirements up to the limit nominated in its natural gas supply agreements with third parties; and
- (h) **"Term"** means that period described in section 7.01.

2.0 INTERRUPTIBLE NATURAL GAS SUPPLY

2.01 The Company shall sell and deliver to Hydro natural gas for use in Burrard Thermal and Hydro shall take and pay for such natural gas upon the terms and conditions herein contained.

2.02 The supply and delivery of natural gas hereunder is interruptible service. The obligations of each of Hydro and the Company hereunder are in addition to the obligations of each under the Burrard Thermal Firm Gas Purchase Agreement, made as of July 15, 1988.

2.03 Natural gas supplied hereunder shall be subject to the terms and conditions from time to time contained in the Company's gas tariff except where the terms of this Agreement are inconsistent with the Company's gas tariff in which event the terms of this Agreement shall prevail.

3.0 CHARGES

3.01 Hydro shall pay the Company for the services provided hereunder the total of:

- (a) the Commodity Cost;

- (b) for Seasonal Gas, the applicable Westcoast Commodity Tolls;
- (c) for natural gas other than Seasonal Gas, the applicable Westcoast Demand and Commodity Tolls;
- (d) taxes directly on the charges under subsections 3.01(a), (b), (c), (e) and (f) herein, including social services tax;
- (e) such additional variable costs of the Company necessary for the supply of natural gas hereunder; and
- (f) 25 cents per gigajoule of natural gas supplied and delivered hereunder.

3.02 The Company undertakes to negotiate with third parties to obtain natural gas to be supplied under this Agreement at the lowest possible cost to Hydro.

3.03 Except with respect with to Commodity Costs in contracts for the supply of natural gas negotiated with third parties and approved by Hydro, the Commodity Cost shall be adjusted from time to time during the Term, so that the Commodity Cost provided hereunder is no greater than the Commodity Cost for any other sales customer of the Company.

3.04 Any credits obtained by the Company from Westcoast, or any other monetary benefits which may be obtained by the Company, other than payments made pursuant to sections 3.01 and 3.05 herein, relating to costs paid by Hydro shall be credited to Hydro.

3.05 Hydro may, at any time and from time to time, upon reasonable notice, direct the Company to cease the supply of natural gas purchased by the Company, for the period of time stated in the notice, and to commence delivery of natural gas purchased by Hydro, for which services Hydro will pay the Company the total of:

- (a) the applicable Westcoast Demand and Commodity Tolls, unless otherwise paid directly by Hydro;
- (b) taxes directly on the charges under subsections 3.05(a), (c) and (d) herein, including social services tax;
- (c) such additional variable costs of the Company necessary for the delivery of natural gas hereunder; and
- (d) 25 cents per gigajoule of natural gas transported and delivered hereunder.

In addition Hydro shall reimburse the Company for all costs, expenses and liabilities (net of credits or other monetary benefits) associated with the cessation of the supply of natural gas purchased by the Company pursuant to contracts negotiated with third parties and approved by Hydro.

3.06 Subject to section 8.0, and notwithstanding the occurrence of an event of Force Majeure claimed by Hydro, during each Contract Year the minimum aggregate annual payment by Hydro to the Company for the supply or delivery of natural gas pursuant to subsections 3.01(f) or 3.05(d), as the case may be, shall be Five Million (\$5,000,000) Dollars regardless of the quantity of natural gas supplied or delivered to Hydro within any Contract Year.

3.07 Following each Contract Year, the Company will prepare and deliver to Hydro an accounting with respect to each of subsections 3.01(a) to (f) and 3.05(a) to (d) herein and will include in such accounting a request for payment of the amount, if any, of any deficiency in the minimum aggregate annual payment requirement. Hydro will pay the amount of any such deficiency within twenty-one days of its receipt of the accounting and, in the event the deficiency is not paid when due, the late payment specified in section 10.02 shall apply to the unpaid deficiency.

4.0 USE

4.01 The Company shall provide to Hydro, as soon as possible and not later than October 30, 1988, estimates of the minimum and expected annual Seasonal Gas available in each of the three Contract Years following the execution of this Agreement and shall provide similar such estimates on or before May 1, 1989 and on May 1st of each year thereafter.

4.02 The Company shall make available to Hydro not less than 20 petajoules of natural gas during each Contract Year.

4.03 If in any Contract Year Hydro does not use all 20 petajoules of natural gas made available by the Company pursuant to section 4.02 herein, such shortfall may be taken in the four following years provided that:

- (a) 20 petajoules for the current Contract Year has first been taken;
- (b) thermally equivalent volumes carried over from the fourth previous Contract Year are taken next; and

- (c) thermally equivalent volumes carried over from the third, second and first previous Contract Years are taken next.

When taking natural gas pursuant to this section, Hydro shall pay to the Company the amounts set out in subsections 3.01(a) to (e) inclusive if the natural gas is purchased by the Company, or subsections 3.05(a) to (c) inclusive if the natural gas is purchased by Hydro; but need not pay the amounts in subsections 3.01(f) and 3.05(d).

4.04 Natural gas supplied or delivered hereunder shall be considered, for billing purposes, as having passed through the Company's gas metering station on the Burrard Thermal property after natural gas supplied to Hydro by the Company under the Burrard Thermal Firm Gas Purchase Agreement made as of the 15th day of July, 1988, or any agreement which succeeds or replaces the Burrard Thermal Firm Gas Purchase Agreement.

4.05 If in any Contract Year the Company is in breach of section 4.02 herein and Hydro elects to prorate, pursuant to section 8.0 herein, the minimum aggregate annual payment of five million dollars to reflect the reduced supply of natural gas made available by the Company, the difference between 20 petajoules of natural gas and such reduced supply of natural gas may be taken in the four following years as provided in subsections 4.03(a) to (c) inclusive. When taking natural gas pursuant to this section, Hydro shall pay to the Company the amounts set out in subsections 3.01(a) to (f) inclusive if the natural gas is purchased by the Company, or subsections 3.05(a) to (d) inclusive if the natural gas is purchased by Hydro.

5.0 CONNECTION

The point of delivery shall be at the outlet of the Company's gas metering station on the Burrard Thermal property.

6.0 CURTAILMENT

6.01 The supply and delivery of natural gas provided herein is on an interruptible basis and may be interrupted or curtailed by the Company at any time and from time to time only if such interruption is reasonably required by the Company. The Company undertakes to use its best efforts to minimize any period of interruption required by the Company for the maintenance, repair or construction of the Company's facilities.

6.02 The Company may give Hydro notice (which in the Company's discretion may be oral, including notice by telephone to the Burrard Superintendent, or written) to cease or curtail the use of natural gas under this Agreement, which notice shall be not less than six hours in advance of the period of interruption, and Hydro shall, in accordance with the notice, cease or curtail such use before commencement of the period of interruption as specified in such notice, and shall not begin to use natural gas again or to use natural gas beyond the curtailed amount until so authorized by the Company. If the Company has a reasonable expectation that it may exceed its Westcoast contract demand, the Company may give Hydro notice, as provided herein, to cease or curtail the use of natural gas under this Agreement, in which case such notice shall not be less than two hours in advance of the period of interruption.

6.03 Subject to regulatory approvals which apply from time to time, the priority for the interruption or curtailment in the

supply or delivery of natural gas under this Agreement shall be as follows:

- (a) (i) the Company's requirements to refill storage capacity equivalent to its existing storage facilities;
- (ii) the supply or delivery of natural gas under interruptible sales and service agreements, and renewals thereof, with customers who have entered into interruptible agreements prior to the date of this Agreement including any such agreements converted into sales and/or service agreements following the date of this Agreement; and
- (iii) the supply or delivery of natural gas under interruptible sales or service agreements, and renewals thereof, with customers who have entered into interruptible agreements subsequent to the date of this Agreement, which agreements, insofar as they relate to the natural gas market in the Lower Mainland, in the aggregate provide for the delivery and/or sale of five petajoules of natural gas,

shall have priority over the supply or delivery of natural gas to Hydro under the Agreement;

- (b) the supply or delivery of natural gas to Hydro under this Agreement shall have priority over:
 - (i) the Company's requirements to refill storage capacity in excess of an amount equivalent to its existing storage facilities; and

- (ii) the supply or delivery of natural gas under interruptible sales or service agreements, and renewals thereof, with customers who have entered into interruptible agreements subsequent to the date of this Agreement, which agreements, insofar as they relate to the natural gas market in the Lower Mainland, are for the supply or delivery of natural gas in excess of five petajoules;
- (c) for natural gas taken in any year following termination of this Agreement by virtue of either section 4.03 or 4.05 herein, the Company's requirements to refill storage capacity equivalent to existing storage facilities and the supply or delivery of natural gas in (a)(ii) and (iii) herein shall have priority; and the interruption or curtailment in the supply or delivery of natural gas to Hydro shall be on a basis equal to all other interruptible gas customers of the Company. In any year, other than a Contract Year, Hydro shall have no right to take greater than 20 petajoules of natural gas under this Agreement.

6.04 In the event a system emergency on the Hydro electrical system is declared by Hydro, then for the duration of such system emergency Hydro shall have priority for the interruptible supply or delivery of natural gas over those requirements and interruptible agreements referred to in section 6.03. For natural gas taken by Hydro under this section, Hydro shall pay a rate or rates which equal the rate or rates that would otherwise have been paid to the Company by those customers of the Company whose supply

or delivery of natural gas is interrupted or curtailed due to the declaration by Hydro of a system emergency on the Hydro electrical system. When interrupting or curtailing other customers of the Company under this section, to the extent permitted by good utility practice, the Company shall use its best efforts to minimize the cost to Hydro under this section.

6.05 If Hydro fails to comply with a Company direction to cease or curtail the use of natural gas as set out in section 6.02, Hydro shall pay for each unit of gas taken in excess of the curtailed level the rate set out in Company's Rate Schedule 2501 as amended from time to time, or a successor schedule, for takes by a customer beyond a curtailed level, which rate is presently \$18.84 per gigajoule. Notwithstanding the foregoing, Company may immediately discontinue the supply of natural gas to Hydro in the event of a failure by Hydro to cease or curtail the use of natural gas as set out in section 6.02.

7.0 TERM

Subject to section 8.0, this Agreement shall commence at 0800 PST on July 16, 1988 and shall terminate and be of no further force or effect at 0800 PST on September 30, 1998, provided that such termination shall be subject to the rights and remedies of both parties accruing to the date of termination such right and remedies shall survive such termination.

8.0 NON-PERFORMANCE

In the event that the Company is unable to fulfill its obligations under section 4.02 herein, Hydro's only recourse shall be to elect to terminate this Agreement or elect to pro rate the minimum aggregate annual payment of five million dollars to reflect the reduced supply of natural gas.

9.0

CHARTS

Hydro shall, at the request of the Company:

- (a) (i) change charts at 0800 PST on the first day of each month and at 0800 PST on any day a chart change is required,
 - (ii) enter all the information required to complete the reverse side of each chart as it is removed from the meter,
 - (iii) send all completed charts to the Company in a manner specified by the Company except for those charts removed during the final four (4) days of each month which will be picked up by a representative of the Company on the first working day of the following month,
 - (iv) wind the clock mechanism, ink and service the recorder pens, and report forthwith mechanical failure to the Company,
 - (v) take readings of front and rear dials at 0800 PST on each working day and telephone them to the Company by noon the same day,
 - (vi) advise the Company as soon as possible of any actual or anticipated abnormal change in Hydro's rate of consumption of gas; or
- (b) permit the Company to maintain on Hydro's premises aforesaid, the necessary communication circuit and other facilities for the purpose of telemetering Hydro's gas consumption.

10.0 ACCOUNTS

10.01 Bills will be rendered by the Company to Hydro on a monthly basis in respect of natural gas actually used at Burrard Thermal. The due date for payment of bills shown on the face of the bill is twenty-one days following receipt of the bill. Hydro shall pay to the Company at a Company office located within the Lower Mainland designated by the Company from time to time for such purpose the full amount on the bill.

10.02 If the amount due on any bill has not been paid in full on or before the due date shown on such bill, and if the unpaid balance is \$30 or more, a further bill will be rendered to include the overdue amount plus a late payment charge of 1-1/2% (equivalent to 19.6% per annum when compounded monthly). Notwithstanding the due date shown, to allow time for payments made to reach the Company's payment processing centre and to coordinate the billing of late payment charges with scheduled billing cycles, the Company may, in its discretion, waive late payment charges on payments not processed until a number of days after the due date.

11.0 SUSPENSIONS

 If as a result of any emergency or force beyond the reasonable control of either party herein or strike, lockout or other such disturbance of either party (the "Force Majeure"), either party is or was wholly or partly unable because of the Force Majeure, to perform an obligation arising from this Agreement and claims that a Force Majeure is occurring or has occurred and reasonably establishes that fact, then the performance of the obligation shall be deemed to be suspended provided always that:

- (a) the suspension shall be of no greater scope and no longer duration than the Force Majeure,
- (b) the non-performing party shall make its best efforts to counter the Force Majeure or to otherwise remedy its inability to perform the obligation,
- (c) a performance required at a time other than when the Force Majeure is occurring shall not be excused by the Force Majeure, and
- (d) an obligation to make a payment when due shall not be excused by the Force Majeure.

12.0 INDEMNITY

12.01 Subject to the Financial Administration Act S.B.C. 1981, c.15, as amended, and the Hydro and Power Authority Act R.S.B.C. 1979, c.188, as amended and the regulations thereunder:

- (a) Hydro shall be liable for and shall indemnify and save harmless the Company, its employees and agents, from and against any and all damage, loss, cost and expense which the Company, its employees or agents, may suffer or incur; and
- (b) Hydro shall indemnify and save harmless the Company, its employees and agents, from and against all claims, demands, costs, actions and causes of action whatsoever (including assessments by the Workmen's Compensation Board of British Columbia) which may be brought or made against the Company, its employees or agents,

in either case caused by, arising out of, or connected in any way with any of Hydro's equipment or any use thereof or disturbing element caused, permitted or introduced by Hydro or Hydro's equipment, or caused by, arising out of or connected in any way with any action, effect or use of gas after the same shall have been delivered to Hydro.

12.02 Hydro, its employees or agents, will not be liable to the Company pursuant to paragraph 12.01(a) for any loss of revenue or profits or other indirect, consequential or financial loss whether such loss is caused by an act or omission of Hydro, its employees or agents, later found to be negligent or otherwise.

13.0 MISCELLANEOUS

13.01 The Company will prepare and maintain records related to the supply and delivery of natural gas hereunder, which records will be open to audit examination by Hydro during regular business hours of the Company during the term of this Agreement and for a period of one year after the termination of this Agreement.

13.02 No waiver of or failure by the Company to enforce any right or to exercise any remedy provided in the Agreement shall affect or prejudice the rights and remedies of the Company in respect of any future or other breach of the Agreement by Hydro or in respect of any matter for which the Company may be entitled to discontinue the supply of natural gas.

13.03 Any notice report or other document that either party may be required or may desire to give to the other shall be in writing, unless otherwise provided for, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex or facsimile copier, when received:

(a) if to the Company:

B.C. Gas Inc.
#2300, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: Secretary

(b) if to Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

or at such other address as either party may from time to time designate by notice in writing to the other.

13.04 Notwithstanding section 12.03, notice of interruption or curtailment of the supply of natural gas shall be given in accordance with the provisions of section 6.02 of this Agreement.

13.05 This Agreement is subject to the Company obtaining and maintaining any regulatory approvals that may be required.

13.06 A party shall not commence any legal proceedings against the other party in respect to the interpretation or enforcement of this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party, and included in such reasonable steps is the right of a party to submit any dispute, with the other party, arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment thereof.

13.07 Notwithstanding any statutory limitation to the contrary, a party shall not commence any action, arbitration or other proceeding between the parties after the expiry of a period of two years after the issue in dispute arose.

13.08 Upon execution by the parties, this Agreement replaces and supersedes the prior Agreement made as of the 15th day of July, 1988 between the parties.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed as of the day and year first above written.

THE COMMON SEAL OF BRITISH)
COLUMBIA HYDRO AND POWER)
AUTHORITY was hereto affixed)
in the presence of:)

C/S


Authorized Signatory)

THE COMMON SEAL OF B.C. GAS)
INC. was affixed hereto in)
the presence of:)

C/S


Authorized Signatory)

DATED: the 29th day of September, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY

AND:

B.C. GAS INC.

AMENDED AND RESTATED
BURRARD THERMAL INTERRUPTIBLE
GAS PURCHASE AGREEMENT

OWEN, BIRD

P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-H/MG/2-2

File No. 1166/9

ADDITIONAL BURRARD THERMAL PAYMENT AGREEMENT

THIS AGREEMENT made as of the 29th day of September, 1988 to take effect as and from the 16th day of July, 1988

BETWEEN:

British Columbia Hydro & Power Authority, a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, Chapter 188 as amended

(hereinafter called "Hydro")

OF THE FIRST PART

AND:

B.C. Gas Inc., a body corporate under the laws of the Province of British Columbia with a head office in Vancouver, British Columbia

(hereinafter called "the Company")

OF THE SECOND PART

WHEREAS:

A. By separate agreement Hydro agreed to sell to the Company and the Company agreed to purchase from Hydro assets associated with the natural gas utility business conducted in and about the Lower Mainland area of British Columbia upon the terms more specifically set out therein.

B. Hydro and the Company recognize that the natural gas utility business is in a state of change due in part to deregulation of the natural gas industry in British Columbia, and that one change associated with deregulation is the opportunity for consumers of natural gas in and about the Lower Mainland area (the "Customers")

to cease the purchase of natural gas from the Company in favour of entering into transportation arrangements with the Company by which the Company transports for and delivers to the Customers natural gas which the Customers purchase from others.

- C. Hydro and the Company recognize that the tariffs by which the Company sells natural gas to the Customers, and the tariffs by which the Company provides transportation service to the Customers, do not maintain net revenue neutrality to the Company if a Customer ceases the purchase of natural gas from the Company in favour of entering into transportation arrangements with the Company.
- D. Hydro and the Company recognize that net revenue neutrality should be maintained for the Company when a customer of the Company ceases the purchase of natural gas from the Company in favour of entering into transportation service arrangements with the Company.
- E. By separate Agreement made as of July 15, 1988 and subsequently amended and restated as of the 29th day of September, 1988 ("Burrard Thermal Interruptible Gas Purchase Agreement") the Company has agreed to sell and deliver to Hydro natural gas for use in Burrard Thermal

and Hydro has agreed to take and pay for such natural gas upon the terms and conditions in that Agreement.

- F. For the purposes of this Agreement, all capitalized words shall have the same meaning given to those words in the Burrard Thermal Interruptible Gas Purchase Agreement, unless otherwise defined herein:

NOW THEREFORE the parties agree as follows:

1.0 DEFINITIONS

- (a) "Transportation Service Deferral Account" means that deferral account established by the Company as of July 16, 1988 for the purpose of recording the difference between (i) B. C. Gas' revenue from customers receiving interruptible transportation service pursuant to rate schedule 2008 determined as if the per gigajoule revenue from those customers equalled the per gigajoule revenue from customers receiving on July 16, 1988 transportation service pursuant to rate schedule 2008, and (ii) the revenue B. C. Gas would have received from those customers (net of the natural gas commodity purchase price and the Commodity Tolls of Westcoast Energy Inc. associated with gas service to those customers) if those customers had received interrup-

tible gas sales service at the rate in rate schedule 2501.

- (b) **"Interruptible Revenue Credit Deferral Account"** means that deferral account established by the Company as of July 16, 1988 for the purpose of recording the difference between (i) the level of interruptible revenue credits actually received by the Company from Westcoast (other than those received by the Company and for which Hydro is given credit pursuant to the provisions of the Burrard Thermal Interruptible Gas Purchase Agreement), and (ii) the level of such interruptible revenue credits reflected in the Company's rate schedules.
- (c) **"T-Service Balance"** means the amount that has been recorded in the Transportation Service Deferral Account for each Contract Year during the term of this Agreement.
- (d) **"Revenue Credit Balance"** means the amount that has been recorded in the Interruptible Revenue Credit Deferral Account for each Contract Year during the term of this Agreement.
- (e) **"Remaining Balance"** means the balance remaining after the Revenue Credit Balance is subtracted from 75% of the T-Service Balance.

- (f) "Estimated Remaining Balance" means the estimate of the Remaining Balance provided pursuant to sections 2.01, 2.02 and 2.03 below.
- (g) "Contract Year" has the same meaning as in the Burrard Thermal Interruptible Gas Purchase Agreement except that the Contract Year ending at 0800 PST September 30, 1989 shall include the period from July 16, 1988 to 0800 PST September 30, 1988.

2.0 ESTIMATES

- 2.01 On or before September 30, 1988 the Company shall provide Hydro with the Company's estimate of the T-Service Balance, the Revenue Credit Balance and the Remaining Balance as those balances are reasonably forecast to exist on September 30, 1989.
- 2.02 On or before September 30, 1989 the Company shall provide Hydro with the Company's estimate of the T-Service Balance, the Revenue Credit Balance and the Remaining Balance as those balances are reasonably forecast to exist on September 30, 1990.
- 2.03 On or before September 30, 1990 the Company shall provide Hydro with the Company's estimate of the T-Service Balance, the Revenue Credit Balance and the

Remaining Balance as those balances are reasonably forecast to exist on September 30, 1991.

3.0 REVISED CHARGES

- 3.01 If the Estimated Remaining Balance provided pursuant to any of sections 2.01, 2.02 or 2.03 is a positive amount then the minimum aggregate annual payment under section 3.06 of the Burrard Thermal Interruptible Gas Purchase Agreement (the "Minimum Aggregate Annual Payment") for the Contract Year ending on the same date as the period of the estimate shall be increased by the amount of the Estimated Remaining Balance.
- 3.02 The increased Minimum Aggregate Annual Payment under section 3.01 is an obligation of Hydro for the Contract Year ending on the same date as the period of the estimate.
- 3.03 If the Minimum Aggregate Annual Payment is increased under section 3.01 then all other references to "minimum aggregate annual payment" elsewhere in the Burrard Thermal Interruptible Gas Purchase Agreement shall be increased accordingly.
- 3.04 Following each Contract Year the Company shall determine the T-Service Balance, the Revenue Credit

Deferral Balance and the Remaining Balance for that Contract Year and shall provide those balances to Hydro as part of the accounting to be delivered pursuant to section 3.07 of the Burrard Thermal Interruptible Gas Purchase Agreement.

3.05 The Remaining Balance determined pursuant to section 3.04 herein shall adjust the Estimated Remaining Balance provided pursuant to sections 2.01, 2.02 or 2.03 herein. The payment by Hydro of any deficiency in the minimum aggregate annual payment for a Contract Year under section 3.07 of the Burrard Thermal Interruptible Gas Purchase Agreement shall include payment of the Remaining Balance, if that Remaining Balance is positive, determined for that Contract Year under section 3.04 herein. If the Remaining Balance is negative it shall not affect the payment of any deficiency in the minimum aggregate annual payment.

3.06 If, subsequent to the determination of the T-Service Balance, the Revenue Credit Deferral Balance and the Remaining Balance pursuant to section 3.04 herein, further information becomes available from Westcoast which affects the determination of those balances, then those balances shall be revised to accord with the further information from Westcoast and Hydro's payment of the deficiency in the minimum aggregate annual

payment shall be adjusted accordingly with Hydro making a further payment to the Company or receiving from the Company a credit.

4.0 USE

4.01 If in any Contract Year Hydro does not use sufficient natural gas under the Burrard Thermal Interruptible Gas Purchase Agreement to meet its obligations under sections 3.01 to 3.05 herein then such shortfall may be taken during the term of the Burrard Thermal Interruptible Gas Purchase Agreement on the same basis as shortfall natural gas taken under section 4.03 of the Burrard Thermal Interruptible Gas Purchase Agreement. When taking natural gas pursuant to this section, Hydro shall pay to the Company the amounts set out in subsections 3.01 (a) to (e) inclusive of the Burrard Thermal Interruptible Gas Purchase Agreement if the natural gas is purchased by the Company, or subsections 3.05 (a) to (c) inclusive of the Burrard Thermal Interruptible Gas Purchase Agreement if the natural gas is purchased by Hydro; but need not pay the amounts set out in subsections 3.01(f) and 3.05(d) of the Burrard Thermal Interruptible Gas Purchase Agreement.

4.02 Natural gas taken by Hydro pursuant to section 4.01 herein shall be subject to the same interruption and curtailment, and subject to the same priority, as natural gas taken under the Burrard Thermal Interruptible Gas Purchase Agreement.

5.0 TERM

This Agreement shall commence at 0800 PST on July 16, 1988 and shall terminate and be of no further force or effect at 0800 PST on September 30, 1991, provided that such termination shall be subject to the rights and remedies of both parties accruing to the date of termination and such rights and remedies shall survive such termination.

6.0 FORCE MAJEURE

The increased Minimum Aggregate Annual Payments of Hydro under sections 3.01 to 3.05 herein are obligations of Hydro notwithstanding the occurrence of an event of Force Majeure.

7.0 MISCELLANEOUS

7.01 The Company will prepare and maintain records related to the accounts referred to herein, which records will be open to audit examination by Hydro during regular business hours of the Company during the term of this

Agreement and for a period of one year after the termination of this Agreement.

7.02 No waiver of or failure by the Company to enforce any right in the Agreement shall affect or prejudice the rights and remedies of the Company in respect of any future or other breach of the Agreement by Hydro or in respect of any matter for which the Company may be entitled to discontinue the supply of natural gas.

7.03 Any notice report or other document that either party may be required or may desire to give to the other shall be in writing, unless otherwise provided for, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex or facsimile copier, when received:

(a) if to the Company:

B.C. Gas Inc.
#2300, 1066 West Hastings Street,
Vancouver, B.C.
V6E 3G3

Attention: Secretary

(b) if to Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street,
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

7.04

A party shall not commence any legal proceedings against the other party in respect to the interpretation or enforcement of this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party, and included in such reasonable steps is the right of a party to submit any dispute, with the other party, arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment thereof.

7.05

Notwithstanding any statutory limitation to the contrary, a party shall not commence any action, arbitration of other proceeding between the parties after the expiry of a period of two years after the termination of this Agreement.

IN WITNESS WHEREOF the parties hereto have caused this Agreement to be executed as of the day and year first above written.

THE COMMON SEAL OF BRITISH)
COLUMBIA HYDRO AND POWER)
AUTHORITY was hereunto affixed)
in the presence of:)


Authorized Signatory)

c/s

THE COMMON SEAL OF B.C. GAS)
INC. was affixed hereto in)
the presence of:)


Authorized Signatory)

c/s

DATED: the 29th day of September, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY

AND:

B.C. GAS INC.

ADDITIONAL BURRARD THERMAL
PAYMENT AGREEMENT

RUSSELL & DUMOULIN
Barristers and Solicitors
1700-1075 W. Georgia Street,
Vancouver, B.C.
V6E 3G2

Telephone: (604) 688-3411

PA-11

CENTRAL PARK CORRIDOR LICENCE

THIS AGREEMENT made as of the 15th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an
Act of the Province of British Columbia and
continued under the Hydro and Power Authority
Act, R.S.B.C. 1979, Chapter 188, as amended of
970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter called "Hydro")

OF THE FIRST PART

AND:

74280 B.C. LTD.,

(hereinafter called the "Gas Company")

OF THE SECOND PART

W H E R E A S:

A. Hydro has agreed to grant to the Gas Company a licence
over portions of certain parcels of land held in fee simple by
Hydro, for the purposes of a natural gas trunk pipeline corridor.

NOW THEREFORE THIS AGREEMENT WITNESSES that in
consideration of the sum of \$10.00 now paid by each of the parties
hereto to the other (the receipt and sufficiency of which is
hereby acknowledged by each party) and of the premises and of the
mutual covenants and agreements contained herein, the parties
agree as follows:

1.0 DEFINITIONS

1.01 For the purposes of this Agreement, all capitalized words shall have the same meaning given to those words in the Real Property Operating Agreement, unless otherwise defined herein.

1.02 In this Licence:

- (a) **"Further Works"** means those modified or expanded Gas Facilities as may be approved in accordance with the Real Property Operating Agreement;
- (b) **"Gas Facilities"** means pipelines and facilities, including without limiting the generality of the foregoing, above ground or underground valves, markers, appliances, fittings, devices for controlling corrosion, existing, installed or being operated by the Gas Company on the Licenced Area as at the date hereof, all for use in the Gas Operations, but excluding the Works of Hydro, or the works of Authorized Parties;
- (c) **"Gas Operations"** means the operation of the Gas Utility;
- (d) **"Land"** means all those parcels of land set forth in Schedule "A";
- (e) **"Licenced Area"** means those portions of the Land on which the Gas Facilities have been, at the date of commencement of the Licence, constructed; [shown on the sketch attached hereto].
- (f) **"Real Property Operating Agreement"** means that agreement of even date made between the parties hereto.

2.0 GRANT OF LICENCE

2.01 Subject to the terms of this Agreement and to the provisions of the Real Property Operating Agreement, Hydro hereby grants to the Gas Company, its employees, agents, contractors, subcontractors, licencees and invitees the following rights in the Land by way of non-exclusive licence:

- (a) the right to enter upon the Licenced Area for the purposes of repairing, maintaining, removing or reconstructing the Gas Facilities and all acts incidental thereto;
- (b) the right to enter upon the Licenced Area to do all acts, things and matters necessary thereon for or incidental to the purpose of carrying on Gas Operations;
- (c) the right to enter from time to time upon such parts of the Land as may be necessary and approved by Hydro, acting reasonably, for the purposes of constructing, erecting, repairing, altering, improving, maintaining, removing or reconstructing the Gas Facilities and Further Works and to do all acts and things incidental thereto.

3.0 DURATION

3.01 The duration of the Licence and the rights herein granted shall be for a term commencing on the date first set forth above, and terminating on the 31st day of December 2064, unless cancelled in accordance with the terms hereof.

4.0 COVENANTS OF THE GAS COMPANY

4.01 The Gas Company covenants and agrees with Hydro:

- (a) to pay and discharge when due all Taxes and Apportioned Taxes now or hereafter assessed, levied or charged upon the Gas Company or upon Hydro and which relate to the Licenced Area, the Gas Facilities or any other improvements of the Gas Company on the Land;
- (b) to observe, abide by and comply with all laws, bylaws, orders, directions, ordinances and regulations of any competent governmental authority in any way affecting the Licenced Area and improvements situate thereon, or their use and occupation, to the extent the Gas Company is bound thereby;
- (c) not to commit or suffer any willful or voluntary waste, spoil or destruction on the Land or do or suffer to be done thereon anything that may be or become a nuisance to owners or occupiers of the Land or adjoining lands;
- (d) to keep the Licenced Area in a safe, clean and sanitary condition reasonably satisfactory to Hydro and to make clean and sanitary any portion of the Land or any improvement on the Licenced Area used by the Gas Company and as may be agreed by the parties from time to time;
- (e) to use and occupy the Land only in accordance with the provisions of this Licence and the provisions of the Real Property Operating Agreement;
- (f) to effect and keep in force during the term, insurance protecting Hydro and the Gas Company (without any rights of cross-claim or subrogation against Hydro except to

the extent of any indemnity given by Hydro to the Gas Company) upon such terms as provided in the Real Property Operating Agreement;

- (g) not to interfere with the rights of any other person entitled to enter on and use the Land under a prior, subsequent or future licence or other right granted by Hydro, subject to the provisions of the Real Property Operating Agreement;
- (h) not to construct, place or maintain any Gas Facilities or other building or improvement on the Land except those existing at the date of this Agreement or permitted under Article 2;
- (i) to deliver to Hydro from time to time, upon request, proof of insurance, as the case may be, provided for in paragraph 4.01(f), receipts or other evidence of payment of Taxes, Apportioned Taxes, insurance premiums and other monetary obligations of the Gas Company required to be observed by the Gas Company pursuant to this Licence or the Real Property Operating Agreement;
- (j) to well and sufficiently repair and maintain, and keep in good and substantial repair the Licenced Area and the Gas Facilities and all fixtures, and things belonging thereto or which at any time during the duration of this Licence shall be erected and made when, where, and so often as may be necessary;
- (k) to make available, if required by Hydro, a Gas Company representative to accompany an authorized representative of Hydro for the purpose of examining the Licenced Area, the Gas Facilities and the condition thereof; and

- (1) that if at any time, in the reasonable opinion of Hydro, the Licenced Area or the Gas Facilities or any of them, require maintenance, reconstruction or remedial work in order to protect or improve the safety of, or accessibility to Hydro's facilities and operations on the Land or the facilities or operations of any other licensee of Hydro thereon, the Gas Company will, at its own expense, unless otherwise agreed by the parties, and within a reasonable period of time following receipt of notice from Hydro, perform all work required by Hydro to ensure such safety and accessibility, and, in the case of work required on the Licenced Area, if the Gas Company does not complete the work within a reasonable time, Hydro will thereupon have the right, but not the obligation, to undertake or complete the work at the cost of the Gas Company, and the Gas Company will forthwith pay all invoices presented for such cost.

5.0 COVENANTS OF HYDRO

5.1 Hydro covenants and agrees with the Gas Company that in the construction, maintenance and operation of such of its Works as may at any time be built or otherwise constructed, erected or installed on the Land, it will not carry on any practice or activity which materially interferes with the Gas Facilities or Gas Operations from time to time on the Lands, or the Gas Company's access thereto.

5.2 Hydro covenants and agrees with the Gas Company to exercise the utmost care not to damage the Gas Facilities, and if Hydro causes any such damage, it will, with reasonable dispatch, restore the Gas Facilities to as close to their pre-damaged condition as is reasonably practical.

6.0 GAS FACILITIES

6.01 Hydro acknowledges, covenants and agrees with the Gas Company that, subject to the provisions of this Licence, the Gas Facilities shall at all times remain personalty and the property of the Gas Company, notwithstanding the degree by which the same may be annexed or affixed to the freehold, and the Gas Company shall be entitled to freely alienate the Gas Facilities as its own property.

6.02 If, and to the extent that any Gas Facilities are vested in Hydro, Hydro hereby, for and in consideration of the sum of Ten Dollars (\$10.00), receipt of which is hereby acknowledged, grants, releases, quitclaims, transfers and assigns such Gas Facilities to the Gas Company.

6.03 If, from time to time the Gas Company completes construction of Further Works:

- (a) the term "Gas Facilities", from and after the date of such construction, will be deemed to include such Further Works and will be deemed to exclude such Gas Facilities as have been removed, if any, as a result of such Further Works; and
- (b) the term "Licenced Area", from and after the date of such construction, will be deemed to exclude the portions of the Land from which Gas Facilities have been removed, if any, and be deemed to include the portions of the Land on which Further Works have been constructed.

6.04 Upon written notice from Hydro, which notice may contain such terms and conditions as Hydro may consider advisable and reasonable, given on or after the last day of the term of this

Agreement, or given on or after the date of cancellation set by notice pursuant to Article 9, whichever is sooner, the Gas Company shall remove from the Land the Gas Facilities or such part or parts thereof as may be set forth in the said notice pursuant to Article 9, and to the extent necessary, this covenant and the covenant contained in paragraph 6.05 shall survive the expiration or cancellation of this Licence.

6.05 The Gas Company shall commence removing the Gas Facilities in accordance with the notice given pursuant to paragraph 6.04 within one (1) month from the date of such removal notice, and shall diligently continue such removal work until completed. All costs incurred in the course of such removal shall be borne by the Gas Company.

6.06 The Gas Company shall not, without the prior written consent of Hydro, which consent may be arbitrarily withheld, erect, install, construct or authorize or permit the erection, installation or construction on any part of the Land or as part of the Gas Facilities:

- (a) any sign, billboard, display material or other similar device except as may be required by regulation under the Utilities Commission Act or reasonably required for the operation of the Gas Utility; or
- (b) any device or facility used or to be used in fibre optics or other technologically advanced communications systems or services, or used or to be used in connection therewith.

7.0 HYDRO FACILITIES AND OPERATIONS

7.01 This Licence is subject to Hydro's rights in respect of its electric operations and facilities and to prior dispositions

made pursuant to agreements relating, inter alia, to rail, electric, water, telephone, cablevision and municipal services.

7.02 The Gas Company acknowledges, covenants and agrees with Hydro that Hydro now owns and operates or controls, and in Hydro's discretion may divest itself of all the electric, rail and communications facilities at any time built or otherwise constructed, erected or installed on the Land by or on behalf of Hydro, and subject to the terms of this Agreement, Hydro or its successors, purchasers, licencees and assigns may, from time to time build, construct, erect, install, replace, remove, relocate, add to, modify, reconstruct, or change its methods of operation of such electric, rail or communications facilities.

7.03 This Licence shall not entitle the Gas Company to exclusive possession of the Land or of the Licenced Area and the Gas Company agrees that Hydro may, subject to the rights of the Gas Company herein or in the Real Property Operating Agreement, use the Land, or grant, licences or other rights to others to use the Land, for any purpose other than that permitted to the Gas Company herein.

7.04 The Gas Company shall execute promptly upon request by Hydro any certificate, consent, assurance or other instrument confirming the rights of Hydro under this Article 7 as Hydro may reasonably request from time to time.

8. ASSIGNMENT AND TENURE

8.01 The Gas Company shall not assign or mortgage, charge, encumber or pledge this Licence or sub-licence any part of the Licenced Area without the prior written consent of Hydro, which consent may not be unreasonably or arbitrarily withheld, subject

to the applicable provisions of the Real Property Operating Agreement.

8.02 This Agreement creates contractual rights only between Hydro and the Gas Company and not an interest in land.

9.0 CANCELLATION

9.01 In the event that the Gas Company ceases, for a period of twelve (12) consecutive months, to operate the Gas Facilities within the Licenced Area or any portion thereof, that portion of the Gas Facilities and Licenced Area no longer used will be and be deemed to be abandoned by the Gas Company for the purposes of this Licence.

9.02 Hydro may, on thirty (30) days written notice to the Gas Company, cancel this Licence and the rights herein granted, as to the Licenced Area or such portion of the Licenced Area abandoned pursuant to paragraph 9.01 herein or otherwise abandoned in accordance with the Utilities Commission Act.

9.03 In the event that the Gas Company fails to observe or perform or defaults under any of the covenants, agreements, provisos or conditions contained herein, and such failure or default continues for a period of sixty (60) days next after the giving of written notice by Hydro to the Gas Company of the nature of the failure or default, Hydro may cancel this Licence.

9.04 A default under the Real Property Operating Agreement shall be and be deemed to be a default hereunder.

9.05 One year after the expiration or cancellation of this Licence in whole or in part, any improvements or fixtures that remain unremoved from the Licenced Area or such part thereof as may be the subject of cancellation, shall be absolutely forfeited

to and shall become the property of Hydro, and Hydro may remove them from the Land and the Gas Company shall, on demand compensate Hydro for all costs incurred by Hydro respecting their removal.

9.06 The Gas Company shall not be entitled to any compensation whether for damages or otherwise, in respect of any cancellation of this Licence by Hydro in accordance with this Agreement.

10.0 LIENS AND ENCUMBRANCES

10.01 The Gas Company shall cause to be discharged any lien, encumbrance or charge upon the Land which arises out of the use of the Land by the Gas Company, its contractors, subcontractors, agents, licensees and invitees, or results from the Gas Operations. If the Gas Company shall fail to do so within 30 days after the date the Gas Company first has knowledge of such liens, encumbrances or charges, Hydro may, at the expense of the Gas Company, cause any and all such liens, encumbrances and charges (which shall for the purposes hereof include any claim of lien) to be removed from the Land, and the Gas Company shall indemnify and save Hydro harmless from and against all losses, judgments, decrees and costs (including lawyer's fees and expenses on a solicitor and client basis) in connection therewith and shall promptly pay to Hydro upon demand, all amounts paid by Hydro, including all penalties, fines, interest, costs and expenses.

11.0 SPECIAL PROVISIONS

11.01 Without in any way limiting Hydro's rights under Article 7, the Gas Company expressly acknowledges the existence of the facilities of British Columbia Transit ("Transit") pursuant to that certain licence (the "Transit Licence") dated January 1, 1985 made between Hydro and Transit.

11.02 The Gas Company agrees with Hydro to assume and perform as its own obligations and covenants the obligations and covenants given by Hydro to Transit in the Transit Licence as they relate to the Gas Facilities.

11.03 The Gas Company covenants and agrees with Hydro to comply with such rules and procedures regulating the use and administration of the Land as Hydro may adopt from time to time, including the rules and procedures known as "Parkway Development Rules" set out as Schedule "B" to the Transit Licence, [a copy of which is attached hereto as Schedule "B"] and which rules and procedures shall apply to and be observed by the Gas Company, mutatis mutandis.

11.04 Without in any way limiting Hydro's rights under Article 7, the Gas Company also expressly acknowledges that Hydro has entered into agreements with:

(a) British Columbia Telephone Company ("BCTC") as of the 1st day of January 1971 concerning jointly-owned and jointly-used poles, some of which are located on the Land. The Gas Company recognizes that Hydro's obligations to BCTF relative to the Land require reasonable access to the Land for the purpose of maintenance and operation of BCTC's business;

(b) The Rail Company. [Text to follow.]

12.0 NOTICES

12.01 Any notice or other communication provided for herein or given hereunder to a party hereto shall be in writing and shall be delivered by registered mail, return receipt required, postage prepaid, or in person to the individual listed below:

(a) to the Gas Company:

(b) to Hydro:

or such other address with respect to a party as such party shall notify the other in writing as above provided. All notices shall be deemed made upon actual notification or mailing as provided for above, whichever shall occur earlier; provided, however, that during an interruption to the postal service, notice shall not be deemed to have been made until delivered.

13. MISCELLANEOUS

13.01 The provisions of Articles 5, 6, 12.02, 23, 24 and 26 of the Real Property Operating Agreement are hereby incorporated herein and made expressly applicable to this Licence, mutatis mutandis.

13.02 The failure of either of the parties hereto to insist upon performance of any covenant or condition contained in this agreement or to exercise any right or option hereunder shall not be construed to be or operate as a waiver, or relinquishment for the future, of any such covenant, condition, right or option, and no consent or approval required hereunder or waiver shall be inferred from or implied by anything done or omitted by any of the parties hereto save only by an express consent, approval or waiver in writing signed by the Chairman of the Board and any one director on behalf of Hydro, or the President and any one director on behalf of the Gas Company, as the case may be.

13.03 No remedy conferred upon or reserved to Hydro is exclusive of any other remedy herein or provided by law, but such remedy shall be cumulative and shall be in addition to any other remedy herein or hereafter existing at law, in equity, or by statute.

13.04 The Gas Company acknowledges and agrees with Hydro that:

- (a) Any interference with the rights of the Gas Company under this Licence by virtue of the exercise or operation of the rights, privileges or interests described in paragraph 4.01(1) and Article 7, shall not constitute a breach of Hydro's obligations hereunder and the Gas Company releases and discharges Hydro from and against any claim for loss or damage arising directly or indirectly out of any such interference; and
- (b) All costs and expenses, direct or indirect, that arise out of any interference by the Gas Company with the rights, privileges and interests described in Article 7 shall be borne solely by the Gas Company.

13.05 This agreement shall be binding upon and enure to the benefit of Hydro's successors and assigns, and in the case of the Gas Company, the successors, receivers, trustees, liquidators or any other legal representatives and permitted assigns of the Gas Company.

13.06 Time is of the essence in this Agreement.

14.0 INTERPRETATION

14.01 In this Licence, unless the context otherwise requires, the singular includes the plural and the masculine includes the feminine gender and a corporation.

14.02 This agreement shall be governed by and construed and enforced in accordance with the laws of the Province of British Columbia and the laws of Canada which may be applicable to a party in the Province of British Columbia.

14.03 Should any term or condition of this agreement be or become illegal or not enforceable it shall be considered separate and severable from this agreement and the remaining terms and conditions of this agreement shall remain in force and be binding upon the parties hereto as though such term or condition had never been included.

IN WITNESS WHEREOF the parties have executed this licence as of the day and year first above written.


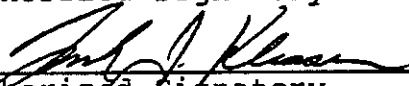
THE COMMON SEAL OF BRITISH)
COLUMBIA HYDRO AND POWER)
AUTHORITY was hereunto)
affixed in the presence of:)

)
Authorized Signatory)

_____)
Authorized Signatory)

C/S

THE CORPORATE SEAL OF 74280
~~GAS COMPANY was B.C. Ltd. was~~ B
hereunto affixed in the
presence of:)


Authorized Signatory)

Authorized Signatory)

C/S

WPD-H/MG/4-1

This is page 16 of the Central Park Corridor Licence dated
July 15, 1988, between British Columbia Hydro and Power Authority
and 74280 B.C. Ltd.

SCHEDULE "A"

(LEGAL DESCRIPTIONS OF REAL PROPERTY TO BE LICENCED WILL BE
INSERTED.)

WPD-H/MG4-1

SCHEDULE A
PROPERTIES TO BE LICENCED FOR GAS LINES ALONG CENTRAL PARK CORRIDOR

1. (a) Parcel Identifier: 009-407-413
Block C District Lot 37 Plan 10374

ID# 1633
- (b) That part of District Lot 36 in Reference
Plan 2139, except part shown blue on Plan
6097 and part in Reference Plan 6551.

ID# 1558
- (c) Parcel Identifier: 000-749-168
Parcel "C" (472126E) District Lot 35
Group 1 New Westminster District

ID# 1759
- (d) Parcel Identifier: 001-207-172
Parcel "B" (Statutory Right of Way Plan
3962) of District Lots 99, 151, 152 and
153 Group 1 New Westminster District

ID# 1836
- (e) Part of Lot One Hundred and Fifty-one
(151) Group One (1) more particularly
described as all that portion of Railway
which lies between Kingsway and Patterson
Avenue as shown on Plan Three Thousand
and Seventy-six (3076) New Westminster
District

ID# 1846
- (f) Lot Four Thousand and Ninety-five (4095)
Group One (1) New Westminster District

ID# 1852

- (g) Part (Three Hundred and Eighty-four One-thousandths (0.384) of an acre more or less) and Part (Five decimal Three Hundred and Sixteen (5.316) acres more or less) of Lot Ninety-five (95) Group One (1) as shown outlined red on Plan Three Thousand Nine Hundred and Sixty-one (3961) EXCEPT Part (Seven Hundred and Thirty-five decimal Six (735.6) square feet) (Reference Plan 7609) of said Five decimal Three Hundred and Sixteen (5.316) acre Portion Part (Six Decimal Zero Four (6.04) acres more or less) of Lot Ninety-six (96) Group One (1) as shown outlined red on Plan Three Thousand Nine Hundred and Sixty-one (3961) Part (Six decimal Twenty (6.20) acres more or less) of Lot Ninety-seven (97) Group One (1) as shown outlined red on Plan Three Thousand Nine Hundred and Sixty-one (3961) EXCEPT Part (Nine Hundred and Ninety-eight Ten thousandths of an acre more or less) shown on Plan Twenty-two Thousand Three Hundred and Nine (22309) AND Part (Six decimal Forty-seven (6.47) acres more or less) of Lot Ninety-eight (98) Group One (1) as shown outlined red on Plan Three Thousand Nine Hundred and Sixty-one (3961) New Westminster District

ID# 1808

THIS IS SCHEDULE "B" TO THE
CENTRAL PARK CORRIDOR LICENCE
[Mainland Gas]

PARKWAY DEVELOPMENT RULES

All activities of Transit, its servants, agents, licensees, invitees, contractors, subcontractors and all others in that behalf on the Lands in respect of Parkway shall be governed by and be conducted at all times in compliance with the following rules.

In these rules, "work" or "works" means all improvements, construction, installations, structures, trees, vegetation plants, shrubs, grass, soil, embankments, land use, and all maintenance thereof undertaken or placed on the Lands in respect of Parkway.

1.0 GENERAL

1.1 All works upon the Lands shall be undertaken in a safe and workmanlike manner.

1.2 No works or any part thereof shall interfere with access to any Hydro facilities or operations.
Prior to commencement of construction of any future

building, a plan shall be submitted to Hydro (Properties Division) for approval, such approval not to be unreasonably withheld.

- 1.3 Changes in ground elevation and side slopes shall not be undertaken without due consideration for the impact upon water runoff and the provision of a system for removing such water without detrimental effect upon the existing drainage system.

Stability of the ground area to prevent sloughing of the cut area must be ensured. Ponding of water that would adversely affect Hydro works is not permissible.

- 1.4 Present and future works shall take account of and not prejudice any existing or proposed construction, maintenance and access requirements necessary for Hydro to service and repair facilities. Consideration shall be given to the siting and location of works to minimize future restoration costs.

- 1.5 Whenever work on the Parkway or Transit Facilities is undertaken in proximity to overhead conductors, Rule 24.02 of WCB Regulations must be strictly observed.

2.0 SPECIAL CONDITIONS RESPECTING HYDRO RAIL OPERATIONS

- 2.1 No works or ground surface changes shall be planned or constructed within fifteen (15) feet of the centre line of any railway tracks.
- 2.2 The existing railroad storm drainage system shall remain unchanged by Transit and any modification to such system shall require the approval of Hydro prior to commencement of such modification, provided that such approval shall not be unreasonably withheld or delayed so long as a professionally engineered alternative which maintains the existing flow conditions of the drainage system is provided by Transit.
- 2.3 Sight lines at road crossings shall remain unobstructed by providing a sight line triangle at road crossings in accordance with the standards set forth in the ALRT/BCHR Site Line Street Crossing Study, April 1984. Sight lines at road crossings not covered within the study, shall be subject to Hydro approval.

2.4 Mid-block crossing of the rail tracks by pathways shall require prior approval by Hydro on a site specific basis.

2.5 Fencing and/or physical barriers shall be provided to the satisfaction of Hydro, to physically separate and impede or prevent movement between park users and the railroad.

2.6 The Superintendent, Maintenance of Way Department, B. C. Hydro Rail (Telephone: 533-5611) or such other person as is designated by Hydro shall be contacted regarding requests for approval relating to rail matters.

3.0 SPECIAL CONDITIONS RESPECTING HYDRO ELECTRICAL OPERATIONS

3.1 Landscaping

The maximum height of trees shall not exceed four (4) metres. Trees, shrubs or works shall not be planted or placed within a distance of one decimal five (1.5) metres of any underground cable or duct measured horizontally at the surface. Trees and shrubs planted within three (3) metres of a cable

or duct, measured horizontally, shall be of a shallow rooted variety (the intent being to preserve moisture content in the ground to provide efficient electrical cable operation).

3.2 There shall be no increase or decrease to the ground elevation or grade within two (2) metres of a 230 kV duct, except with prior approval of Hydro on a specific site basis.

3.3 There shall be no change in the soil material or compaction above or within two (2) metres of underground cables, except with the prior approval of Hydro on a specific site basis.

3.4 No lang standards shall be erected on the Transit Lands, except with prior approval of Hydro on a specific site basis.

3.5 Excavation

There shall be no excavation within six (6) metres of underground cables without prior notice to Hydro and approval of same, to establish location of cables with reference to the proposed excavation.

3.6 There shall be no excavation within two (2) metres of a cable without the presence of an on-site Hydro inspector to establish the location of the cable and supervise backfill. Twenty-four (24) hours notice is required to arrange on-site inspection (Lower Mainland Transmission: 461-3511). The use of mechanical tree planters shall be treated as an excavation.

3.7. Manholes and Kiosks

Hydro shall require uninterrupted access to manholes and kiosks for heavy vehicles (e.g. 60-ton crane). Hydro undertakes not to enter the Transit Lands with vehicles unnecessarily.

3.8 Drainage from manholes having sump pumps must not be interfered with by Transit and electric power to manholes must not be disrupted by Transit.

3.9 Manhole and junction kiosk covers are not to be buried. Deposit of fill on manholes or kiosks is not permitted. Modification of kiosks may be permitted after approval by Hydro.

3.10 The following minimum clearances shall be maintained around junction boxes and kiosks:

Front:	2.5 metres
Rear:	1.0 metres
Sides:	.3 metre

3.11 Hydro shall not be held liable for damage occurring to the Parkway as a result of maintenance on the transmission cable or overhead lines, except to the extent that the Parkway improvements have been approved by Hydro.

3.12 The Manager, Lower Mainland Distribution Engineering Department, (Telephone: 293-7701) or the Manager, Lower Mainland Transmission Department, (Telephone: 461-3511), or such other person as is designated by Hydro shall be contacted regarding the above matters.

4.0 SPECIAL CONDITIONS RESPECTING HYDRO GAS OPERATIONS

4.1 Landscaping

Change in ground elevation and removal of cover from over gas mains are not permitted.

4.2 Trees, shrubs or works shall not be planted or placed within a distance of one decimal five (1.5) metres of any gas line measured horizontally at the surface.

4.3 Excavation

Prior to any proposed excavation within six (6) metres of a gas main, Transit shall:

(a) Notify and obtain approval from the Metro Gas Operations Division.

(b) Arrange for the presence of an on-site Hydro inspector, by calling 293-8561, twenty-four (24) hours prior to excavating.

(c) Obtain gas records information on-site which shall be provided by Hydro.

4.4 Use of mechanical tree planters shall be treated as an excavation.

4.5 The placing of any in-ground utilities or installations across or within one (1) metre of gas

mains shall be subject to the prior approval of Hydro. The construction method and backfill shall be specified by Hydro.

4.6 Protection of Underground Gas Installations

Work requiring heavy vehicle equipment to travel on the Lands in proximity to gas lines must be preceded by an on-site meeting with a Hydro Gas Project Inspector to discuss safe working procedures.

4.7 Transit shall not interfere with drainage of regulator vault, valve vault and valve sites.

4.8 Vault lids and valve box tops shall not be covered by fill material. Any berms created on the Lands shall be placed at a distance sufficient to prevent sloughing of materials over lids or box tops.

4.9 Construction of any permanent buildings shall not be permitted over gas mains.

4.10 Access

Uninterrupted vehicle access to all gas installations is required by Hydro. Hydro will endeavour not to enter the Transit Lands, with vehicles, unnecessarily.

4.11 Hydro shall not be held liable for damage occurring to the Parkway, as a result of gas line maintenance, except to the extent that the Parkway improvements have been approved by Hydro.

4.12 The Manager, Metro Gas Distribution, (Telephone: 293-8569) or such other persons as are designated by Hydro shall be contacted regarding the above matters.

mains shall be subject to the prior approval of Hydro. The construction method and backfill shall be specified by Hydro.

4.6 Protection of Underground Gas Installations

Work requiring heavy vehicle equipment to travel on the Lands in proximity to gas lines must be preceded by an on-site meeting with a Hydro Gas Project Inspector to discuss safe working procedures.

4.7 Transit shall not interfere with drainage of regulator vault, valve vault and valve sites.

4.8 Vault lids and valve box tops shall not be covered by fill material. Any berms created on the Lands shall be placed at a distance sufficient to prevent sloughing of materials over lids or box tops.

4.9 Construction of any permanent buildings shall not be permitted over gas mains.

4.10 Access

Uninterrupted vehicle access to all gas installations is required by Hydro. Hydro will endeavour not to enter the Transit Lands, with vehicles, unnecessarily.

4.11 Hydro shall not be held liable for damage occurring to the Parkway, as a result of gas line maintenance, except to the extent that the Parkway improvements have been approved by Hydro.

4.12 The Manager, Metro Gas Distribution, (Telephone: 293-8569) or such other persons as are designated by Hydro shall be contacted regarding the above matters.

DATED: the 15th day of July, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

74280 B.C. LTD.

SCHEDULE "B"
CENTRAL PARK CORRIDOR LICENCE

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-H/MG-4

File No. 1166/9

74-12

**AMENDED AND RESTATED
CENTRAL PARK CORRIDOR LICENCE**

THIS AGREEMENT made as of the 29th day of September, 1988 is an amendment and re-statement of an agreement made as of July 15, 1988 between the parties noted below.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, Chapter 188, as amended of 970 Burrard Street, in the City of Vancouver, in the Province of British Columbia, V6Z 1Y3

(hereinafter called "Hydro")

OF THE FIRST PART

AND:

B.C. GAS INC. (formerly known as 74280 B.C. Ltd.),
a body corporate under the laws of the Province of British Columbia, having its registered office at 2800 - 595 Burrard Street, Vancouver, British Columbia V7X 1J5

(hereinafter called the "Gas Company")

OF THE SECOND PART

W H E R E A S:

A. Hydro has agreed to grant to the Gas Company a licence over portions of certain parcels of land held in fee simple by Hydro, for the purposes of a natural gas trunk pipeline corridor.

NOW THEREFORE THIS AGREEMENT WITNESSES that in consideration of the sum of \$10.00 now paid by each of the parties hereto to the other (the receipt and sufficiency of which is hereby acknowledged by each party) and of the premises and of the mutual covenants and agreements contained herein, the parties agree as follows:

1.0 DEFINITIONS

1.01 For the purposes of this Agreement, all capitalized words shall have the same meaning given to those words in the Real Property Operating Agreement, unless otherwise defined herein.

1.02 In this Licence:

- (a) **"Further Works"** means those modified or expanded Gas Facilities as may be approved in accordance with the Real Property Operating Agreement;
- (b) **"Gas Facilities"** means, subject to paragraph 6.03(a), trunk pipelines (as distinct from other distribution pipelines) and facilities related thereto, whether aboveground or underground, including without limiting the generality of the foregoing, valves, gas pressure regulator stations, compressors, measurement stations, meters, markers, appliances, fittings, devices for controlling corrosion, existing, installed or being operated by the Gas Company on the Licenced Area as at July 16, 1988, all for use in the Gas Operations, but excluding the Works of Hydro, or the works of Authorized Parties;
- (c) **"Gas Operations"** means the operation of the Gas Utility;
- (d) **"Land"** means all those parcels of land set forth in Schedule "A" attached hereto;
- (e) **"Licenced Area"** means, subject to paragraph 6.03(b), those portions of the Land on which the Gas Facilities have been constructed, at the date of commencement of this Licence, as shown coloured red on the sketches attached hereto as Schedule "B";

- (f) "Real Property Operating Agreement" means that agreement made as of July 15, 1988 between the parties hereto, as amended and restated as of the date of this Agreement.

2.0 GRANT OF LICENCE

2.01 Subject to the terms of this Agreement and to the provisions of the Real Property Operating Agreement, Hydro hereby grants to the Gas Company, its employees, agents, contractors, subcontractors, licencees and invitees the following rights in the Land by way of non-exclusive licence:

- (a) the right to place and keep the Gas Facilities on the Licenced Area and to enter upon the Licenced Area for the purposes of repairing, maintaining, removing or reconstructing the Gas Facilities and all acts incidental thereto;
- (b) the right to enter upon the Licenced Area to do all acts, things and matters necessary thereon for or incidental to the purpose of carrying on Gas Operations;
- (c) the right to enter from time to time upon such parts of the Land as may be necessary and approved by Hydro, acting reasonably, for the purposes of constructing, erecting, repairing, altering, improving, maintaining, removing or reconstructing the Gas Facilities and Further Works and to do all acts and things incidental thereto.

3.0 DURATION

3.01 The duration of the Licence and the rights herein granted shall be for a term commencing on the 16th day of July, 1988 and terminating on the 31st day of December 2064, unless cancelled in accordance with the terms hereof.

4.0

COVENANTS OF THE GAS COMPANY

4.01

The Gas Company covenants and agrees with Hydro:

- (a) to pay and discharge when due Taxes and Apportioned Taxes now or hereafter assessed, levied or charged upon the Gas Company or which relate to the Licenced Area, as more particularly described in Article 20 of the Real Property Operating Agreement;
- (b) to observe, abide by and comply with all laws, bylaws, orders, directions, ordinances and regulations of any competent governmental authority in any way affecting the use of the Licenced Area by the Gas Company, and improvements of the Gas Company situate thereon, or their use and occupation by the Gas Company, to the extent the Gas Company is bound thereby;
- (c) not to commit or suffer any willful or voluntary waste, spoil or destruction on the Land or do or suffer to be done thereon anything that may be or become a nuisance to owners or occupiers of the Land or adjoining lands;
- (d) not to leave the Licenced Area other than in a safe, clean and sanitary condition reasonably satisfactory to Hydro and to make clean and sanitary any portion of the Land or any improvement on the Licenced Area used by the Gas Company in the normal course of exercising its rights hereunder, and as may be agreed by the parties from time to time;
- (e) to use and occupy the Land only in accordance with the provisions of this Licence and the provisions of the Real Property Operating Agreement;

- (f) to effect and keep in force during the term, insurance in accordance with paragraph 25.01 of the Real Property Operating Agreement;
- (g) not to interfere unlawfully with the rights of any other person entitled to enter on and use the Land under a prior, subsequent or future licence or other right granted by Hydro of which disclosure has been made to the Gas Company pursuant to Article 15 of the Real Property Operating Agreement;
- (h) not to construct, place or maintain any Gas Facilities or other building or improvement on the Land except those existing as at July 16, 1988, those permitted under Article 2 and Further Works;
- (i) to deliver to Hydro from time to time, upon request, proof of insurance, as the case may be, provided for in paragraph 4.01(f), receipts or other evidence of payment of Taxes, Apportioned Taxes, insurance premiums and other monetary obligations of the Gas Company required to be observed by the Gas Company pursuant to this Licence or the Real Property Operating Agreement;
- (j) to well and sufficiently repair and maintain, and keep in good and substantial repair the Gas Facilities and all fixtures and things belonging thereto or which at any time during the duration of this Licence shall be erected and made when, where, and so often as may be necessary;
- (k) to make available, if required by Hydro, a Gas Company representative to accompany an authorized representative of Hydro for the purpose of examining the Licenced Area, the Gas Facilities and the condition thereof; and

- (1) that if at any time, in the reasonable opinion of Hydro, maintenance, reconstruction or remedial work to the Gas Facilities is required in order to protect or improve the safety of, or accessibility to Hydro's facilities and operations on the Land or the facilities or operations of any other licensee of Hydro thereon, the Gas Company will, at its own expense, unless otherwise agreed by the parties, and within a reasonable period of time following receipt of notice from Hydro, perform all work reasonably required by Hydro to ensure such safety and accessibility.

5.0 COVENANTS OF HYDRO

5.1 Hydro covenants and agrees with the Gas Company that:

- (a) in the construction, maintenance and operation of such of Hydro's Works as may at any time be built or otherwise constructed, erected or installed on the Land, Hydro will not carry on, and
- (b) in other cases, upon the reasonable written request of the Gas Company, Hydro will endeavour to prevent,

any practice or activity which materially interferes with the Gas Facilities or Gas Operations from time to time on the Land, or the Gas Company's access thereto.

5.2 Hydro covenants and agrees with the Gas Company to exercise the utmost care not to damage the Gas Facilities, and if Hydro causes any such damage, it will reimburse the Gas Company for the reasonable costs incurred by the Gas Company in restoring the Gas Facilities to as close to their pre-damaged condition as is reasonably practical.

6.0

GAS FACILITIES

6.01 Hydro acknowledges, covenants and agrees with the Gas Company that, subject to the provisions of this Licence, the Gas Facilities shall at all times remain the property of the Gas Company, notwithstanding the degree by which the same may be annexed or affixed to the freehold, and the Gas Company shall be entitled to freely alienate the Gas Facilities as its own property.

6.02 If, and to the extent that any Gas Facilities are vested in Hydro, Hydro hereby, for and in consideration of the sum of Ten Dollars (\$10.00), receipt of which is hereby acknowledged, grants, releases, quitclaims, transfers and assigns such Gas Facilities to the Gas Company.

6.03 If, from time to time the Gas Company completes construction of Further Works:

- (a) the term "Gas Facilities", from and after the date of such construction, will be deemed to include such Further Works and will be deemed to exclude such Gas Facilities as have been removed, if any, as a result of such Further Works; and
- (b) the term "Licenced Area", from and after the date of such construction, will be deemed to exclude the portions of the Land from which Gas Facilities have been removed, if any, and be deemed to include the portions of the Land on which Further Works have been constructed.

6.04 Upon written notice from Hydro, which notice may contain such terms and conditions as Hydro may consider advisable and reasonable, given on or after the last day of the term of this Agreement, or given on or after the date of cancellation set by

notice pursuant to Article 9, whichever is sooner, the Gas Company shall remove from the Land the Gas Facilities or such part or parts thereof as may be set forth in the said notice pursuant to Article 9, and to the extent necessary, this covenant and the covenant contained in paragraph 6.05 shall survive the expiration or cancellation of this Licence.

6.05 The Gas Company shall commence removing the Gas Facilities in accordance with the notice given pursuant to paragraph 6.04 within one (1) month from the date of such removal notice, and shall diligently continue such removal work until completed. All costs incurred in the course of such removal shall be borne by the Gas Company.

6.06 The Gas Company shall not, without the prior written consent of Hydro, which consent may be arbitrarily withheld, erect, install, construct or authorize or permit the erection, installation or construction on any part of the Land or as part of the Gas Facilities any sign, billboard, display material or other similar device except as may be required by regulation under the Utilities Commission Act or reasonably required for the protection or operation of the Gas Utility.

7.0 HYDRO FACILITIES AND OPERATIONS

7.01 This Licence is subject to Hydro's rights in respect of its electric operations and facilities subject to paragraph 15.06 of the Real Property Operating Agreement, and is subject to prior and concurrent dispositions made pursuant to agreements relating, inter alia, to rail, water, telephone, cablevision and municipal services.

7.02 The Gas Company acknowledges, covenants and agrees with Hydro that Hydro now owns and operates or controls, and in Hydro's discretion may divest itself of all the electric, rail and communications facilities at any time built or otherwise constructed, erected or installed on the Land by or on behalf of

no, and subject to the terms of this Agreement and the Real Property Operating Agreement, Hydro or its successors, purchasers, licencees and assigns may, from time to time build, construct, erect, install, replace, remove, relocate, add to, modify, reconstruct, or change its methods of operation of such electric, rail or communications facilities.

7.03 This Licence shall not entitle the Gas Company to exclusive possession of the Land or of the Licenced Area and the Gas Company agrees that Hydro may, subject to the rights of the Gas Company herein and in the Real Property Operating Agreement, use the Land, or grant, licences or other rights to others to use the Land, for any purpose other than that permitted to the Gas Company herein.

7.04 The Gas Company shall execute promptly upon request by Hydro any certificate, consent, assurance or other instrument confirming the rights of Hydro under this Article 7 as Hydro may reasonably request from time to time.

8. ASSIGNMENT AND TENURE

8.01 The Gas Company shall not assign or mortgage, charge, encumber or pledge this Licence nor sub-licence any part of the Licenced Area without the prior written consent of Hydro, which consent may not be unreasonably or arbitrarily withheld, subject to the applicable provisions of the Real Property Operating Agreement.

8.02 This Agreement creates contractual rights only between Hydro and the Gas Company and not an interest in land.

8.03 From and after the date hereof, Hydro shall not sell or mortgage the Land or any part thereof or interest therein except:

- (a) subject to the terms of this Licence; and
- (b) after giving the purchaser or mortgagee express written notice of the rights and interests of the Gas Company under this Licence.

In the case of any sale by Hydro of the Land or any part thereof or interest therein, Hydro shall cause the purchaser to enter into an agreement with the Gas Company to assume and perform the obligations of Hydro under this Licence, to the extent of the Land or interest sold.

9.0 CANCELLATION

9.01 In the event that the Gas Company ceases, for a period of twenty-four (24) consecutive months, to operate the Gas Facilities within the Licenced Area or any portion thereof, that portion of the Gas Facilities and Licenced Area no longer used will be and be deemed to be abandoned by the Gas Company for the purposes of this Licence; provided however that Hydro, acting reasonably, may extend the time period of twenty four (24) months for such period as the Gas Company may propose to temporarily decommission the Gas Facilities in the Licenced Area if the Gas Company:

- (a) is not in default hereunder and for as long as the Gas Company performs each and every obligation hereunder;
- (b) provides Hydro with evidence to the reasonable satisfaction of Hydro that the Gas Company has taken all necessary measures to ensure the safety of its Works;

- (c) delivers to Hydro such documents and assurances which verify the period of proposed decommissioning of the Gas Facilities in the Licenced Area as Hydro may reasonably require.

9.02 Hydro may, on thirty (30) days written notice to the Gas Company, cancel this Licence and the rights herein granted, as to the Licenced Area or such portion of the Licenced Area abandoned pursuant to paragraph 9.01 herein or otherwise abandoned in accordance with the Utilities Commission Act.

9.03 One year after the expiration or cancellation of this Licence in whole or in part, any improvements or fixtures that remain unremoved from the Licenced Area or such part thereof as may be the subject of cancellation, shall be absolutely forfeited to and shall become the property of Hydro, and Hydro may remove them from the Land and the Gas Company shall on demand compensate Hydro for all costs incurred by Hydro respecting their removal.

9.04 The Gas Company shall not be entitled to any compensation whether for damages or otherwise in respect of any cancellation of this Licence by Hydro in accordance with this Agreement.

10.0 LIENS AND ENCUMBRANCES

10.01 The Gas Company shall cause to be discharged any lien, encumbrance or charge upon the Land which arises out of the use of the Land by the Gas Company, its contractors, subcontractors, agents, licensees and invitees, or results from the Gas

perations. If the Gas Company shall fail to do so within 30 days after the date the Gas Company first has knowledge of such liens, encumbrances or charges, Hydro may, at the expense of the Gas Company, cause any and all such liens, encumbrances and charges (which shall for the purposes hereof include any claim of lien) to be removed from the Land, and the Gas Company shall indemnify and save Hydro harmless from and against all losses, judgments, decrees and costs (including lawyer's fees and expenses on a solicitor and client basis) in connection therewith and shall promptly pay to Hydro upon demand, all amounts paid by Hydro, including all penalties, fines, interest, costs and expenses.

11.0 SPECIAL PROVISIONS

11.01 Without in any way limiting Hydro's rights under Article 7, the Gas Company expressly acknowledges the existence of the facilities of British Columbia Transit ("Transit") pursuant to that certain licence (the "Transit Licence") dated January 1, 1985 made between Hydro and Transit.

11.02 The Gas Company agrees with Hydro to assume and perform as its own obligations and covenants the obligations and covenants given by Hydro to Transit in the Transit Licence as they relate to the Gas Facilities.

11.03 The Gas Company covenants and agrees with Hydro to comply with such rules and procedures regulating the use and administration of the Land as Hydro may adopt from time to time (save and except rules and procedures solely applicable to electric or railway operations), including the rules and procedures known as "Parkway Development Rules" set out as Schedule "B" to the Transit Licence, a copy of which is attached hereto as Schedule "C", and which rules and procedures, save and except those rules and procedures solely applicable to the electric or railway operations, shall apply to and be observed by the Gas Company, mutatis mutandis. From and after the date

ereof, the rules and procedures regulating the use and administration of the Land referred to in this paragraph 11.03 will be adopted by Hydro in accordance with paragraph 7.01(g) of the Real Property Operating Agreement.

11.04 Without in any way limiting Hydro's rights under Article 7, the Gas Company also expressly acknowledges that Hydro:

- (a) has entered into an agreement with British Columbia Telephone Company ("BCTC") as of the 1st day of January 1971 concerning jointly-owned and jointly-used poles, some of which are located on the Land. The Gas Company recognizes that Hydro's obligations to BCTC relative to the Land require reasonable access to the Land for the purpose of maintenance and operation of BCTC's business;
- (b) has entered into or will enter into an agreement with the purchaser of Hydro's rail freight operations in the Lower Mainland and Fraser Valley concerning the operation of a railway on the Land.

12.0 NOTICES

12.01 Any notice or other communication provided for herein or to be given hereunder to a party hereto shall be in writing and shall either be delivered, mailed by prepaid registered mail, return receipt requested, or sent by telecopier, to the intended recipient at its address or telecopier number indicated below:

- (a) to the Gas Company:

B.C. Gas Inc.
P.O. Box 12503
23rd Floor, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3
Attention: Secretary

Telecopier Number: (604)661-9614

(b) to Hydro:

British Columbia Hydro and Power Authority
970 Burrard St.
Vancouver, B.C., V6Z 1Y3
Attention: The Comptroller

Telecopier Number: (604)663-3432

or at such other address or telecopier facility in Canada with respect to a party as such party shall notify the other in writing as above provided. All notices shall be deemed given upon actual receipt or upon the expiry of 5 business days following the date of mailing as provided for above, whichever shall occur earlier; provided, however, that during an interruption of postal service, notice shall not be deemed to have been given until delivered or telecopied as aforesaid.

13. MISCELLANEOUS

13.01 The provisions of paragraph 12.02 and Articles 5, 6, 13, 15, 16, 21, 23, 24, 26, 27 and 28 of the Real Property Operating Agreement are hereby incorporated herein and made expressly applicable to this Licence, mutatis mutandis.

13.02 The failure of either of the parties hereto to insist upon performance of any covenant or condition contained in this agreement or to exercise any right or option hereunder shall not be construed to be or operate as a waiver, or relinquishment for the future, of any such covenant, condition, right or option, and no consent or approval required hereunder or waiver shall be inferred from or implied by anything done or omitted by any of the parties hereto save only by an express consent, approval or waiver in writing signed by the authorized signatories of Hydro, or of the Gas Company, as the case may be.

13.03 No remedy conferred upon or reserved to Hydro is exclusive of any other remedy herein or provided by law, but such remedy shall be cumulative and shall be in addition to any other remedy herein or hereafter existing at law, in equity, or by statute.

13.04 The Gas Company acknowledges and agrees with Hydro that any interference with the rights of the Gas Company under this Licence by virtue of the exercise or operation by Hydro of the rights, privileges or interests:

- (a) described in paragraph 4.01(1) herein shall not constitute a breach of Hydro's obligations hereunder and the Gas Company releases and discharges Hydro from and against any claim for loss or damage arising directly or indirectly out of any such interference; and
- (b) (subject to Article 15 of the Real Property Operating Agreement and compliance by Hydro with paragraph 13.13 of the Real Property Operating Agreement) described in Article 7 herein shall not constitute a breach of Hydro's obligations hereunder and the Gas Company releases and discharges Hydro from and against any claim for loss or damage arising directly or indirectly out of any such interference and all costs and expenses, whether direct or indirect, that arise out of any interference by the Gas Company with the lawful exercise by Hydro of such rights, privileges and interests, shall be borne solely by the Gas Company.

13.05 This agreement shall be binding upon and enure to the benefit of Hydro's successors and assigns, and in the case of the Gas Company, the successors, receivers, trustees, liquidators or

by other legal representatives and permitted assigns of the Gas Company.

13.06 Time is of the essence in this Agreement.

13.07 In the case of indemnities given to the Gas Company by Hydro pursuant to paragraph 13.01 herein, such indemnity is subject to the provisions of the Hydro and Power Authority Act, R.S.B.C. 1979, chapter 188, as amended and the regulations thereunder and to the prior approval of the Lieutenant Governor-in-Council pursuant to the Financial Administration Act R.S.B.C. 1981, chapter 15, as amended and the regulations thereunder (the "Financial Administration Act"), and in the case of indemnities given to Hydro by the Gas Company pursuant to paragraphs 10.01, 13.01 and 13.04 herein, each indemnity is subject to the prior approval of the Lieutenant Governor-in-Council pursuant to the provisions of the Financial Administration Act.

14.0 INTERPRETATION

14.01 In this Licence, unless the context otherwise requires, the singular includes the plural and the masculine includes the feminine gender and a corporation.

14.02 This Agreement shall be governed by and construed and enforced in accordance with the laws of the Province of British Columbia and the laws of Canada which may be applicable to a party in the Province of British Columbia.

14.03 Should any term or condition of this agreement be or become illegal or not enforceable it shall be considered separate and severable from this Agreement and the remaining terms and conditions of this Agreement shall remain in force and be binding upon the parties hereto as though such term or condition had never been included.

4.04 Upon execution by the parties, this Agreement shall replace and supersede the Central Park Corridor Licence made as of July 15, 1988.


IN WITNESS WHEREOF the parties have executed this licence as of the day and year first above written.

THE COMMON SEAL OF BRITISH)
COLUMBIA HYDRO AND POWER)
AUTHORITY was hereunto)
affixed in the presence of:)


Authorized Signatory)

C/S

THE COMMON SEAL OF B.C.)
GAS INC. was hereunto)
affixed in the presence of:)


Authorized Signatory)

C/S

WPD-H/MG/4-1

DATED: the ____ day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

AMENDED AND RESTATED
CENTRAL PARK CORRIDOR
LICENCE AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-H/MG/1-1 File No. 1166/9

BC Gas Inc.
1066 West Hastings Street
Vancouver, British Columbia
Canada V6E 3G3

Tel (604) 443-6608
Fax (604) 443-6614

C. Frederick Hess
Vice President
Administration & Planning

JUL 9 1991

June 28, 1991



B.C. Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

Dear Sir:

Re: Amended and Restated Circuit Agreement
Amended and Restated UHF/VHF Agreement

Our BC Gas Radio Communication System is scheduled to be operational at the end of July, 1991. Please accept this as notice to terminate the subject agreements at the end of July, 1991.

There is a small probability that the start-up date of our radio communication system may be delayed due to unforeseen circumstances. We have discussed this potential problem with your Telecontrol Manager, Mr. Ron Kroeker and reached an agreement that there should be no charge to BC Gas from the Circuit Agreement if the delay is no more than 5 days. However, if the delay exceeds 5 days, then the full amount of the current monthly rental fee of \$18,600 plus applicable taxes, rather than a prorata portion, shall apply. In the event that maintenance of BC Gas UHF/VHF fixed radio equipment becomes necessary during the delay period, BC Gas agrees to reimburse BC Hydro for expenses.

Except as specifically identified on this letter, all other terms and conditions on both of these agreements shall remain in force during the delay period.

If you are in agreement with the foregoing, please sign and return to us the enclosed duplicate copy of this letter.

Yours truly,

C.F. Hess
Vice President
Administration & Planning

c.c. Mr. R. Kroeker (by Fax)

The foregoing is agreed to by us

B.C. HYDRO & POWER AUTHORITY

Per:

David Harrison, Comptroller

BC GAS COPY

Inter Office Memorandum



TO: G.M.O. Solly
T. P. Raphael

DATE: February 21, 1989

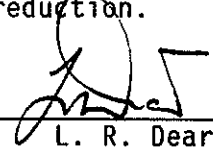
FROM: L. R. Dear

FILE: 127.5

SUBJECT: Circuit Agreement
Deletion of Three Microwave Circuits

*pls insert
in
index*

Attached is a copy of the executed Deletion Notice No. 1 with respect to the above Agreement. These three circuits are not needed as the infrequent communication between the centres served by these circuits is available using existing land lines. The monthly billing under the Agreement will be reduced by $3 \times \$465 = \$1,395$ plus applicable taxes commencing with the February billing. Would you please ensure that those who review the invoices are aware of this reduction.



L. R. Dear

Attachment

LRD:m1f

cc: L. J. Cropley (w/a)
C. Chang (w/a)
C. F. Hess (w/a)
D. M. Masuhara (w/a)

FEB 23 1989

BC Gas Inc.

GAS MARKETING
#209-2250 Boundary Road
Vancouver, British Columbia
V5M 3Z3

Telephone 668-8810
FAX 668-8850



January 31, 1989

File: 127.5

Mr. D. W. McPherson
Management Services
B. C. Hydro & Power Authority
970 Burrard Street
Vancouver, B.C.

Dear Mr. McPherson:

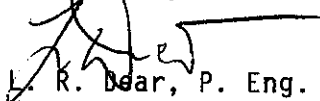
Re: Amended & Restated Circuit Agreement
Deletion of Circuits Notice No. 1

In accordance with Clause 6.0 of the Amended and Restated Circuit Agreement, the Company hereby requests deletion of the following three circuits, effective February 1, 1989.

<u>Function</u>	<u>Microwave Stations</u>	<u>Multiplex Channels</u>	<u>Authorization Number</u>
Tie Trunk	MCC-HPN	L2210	1365
Tie Trunk	MCC-HPN	L343	1365
Tie Trunk	MCC-HPN	L345	1365


Please sign the original of this notice where indicated below to signify your concurrence and return it to me. The second copy is for your files.

Yours truly,


L. R. Dear, P. Eng.
Manager, Contract Services

READ AND AGREED THIS 20TH DAY OF FEBRUARY 1989.

B. C. HYDRO AND POWER AUTHORITY

Per: 
Signature

MANAGER - MCT SERVICES
Title

**AMENDED AND RESTATED
CIRCUIT AGREEMENT**

THIS AGREEMENT made as of the 29th day of September, 1988 is an amendment and re-statement of an agreement made as of July 15, 1988 between the parties noted below.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a Crown corporation continued pursuant to the provisions of the Hydro and Power Authority Act, R.S.B.C. 1979, c. 188, having its principal place of business at 970 Burrard Street, City of Vancouver, Province of British Columbia

(herein called "Hydro")

OF THE FIRST PART

AND:

B.C. GAS INC., a body corporate under the laws of the Province of British Columbia, having its registered office at 2800 - 595 Burrard Street, Vancouver, British Columbia, V7X 1J5

(herein called the "Company")

OF THE SECOND PART

W H E R E A S :

A. By separate agreement made as of the 15th day of July, 1988 (the "Asset Transfer Agreement"), Hydro agreed to sell to the Company and the Company agreed to purchase from Hydro certain assets upon the terms more specifically set out therein;

B. For the purposes of this Agreement, all capitalized words herein shall have the same meaning given to those words in the Asset Transfer Agreement, unless otherwise defined herein;

C. Hydro has been licensed by the Government of Canada Department of Communications to operate a microwave system committed to the protection and control of Hydro's undertaking (the "Microwave System");

D. Hydro has utilized some of the voice grade microwave circuits of the Microwave System for purposes essential to the undertaking of the Business; and

E. The Company desires to use, and Hydro is willing to permit the continued use of, the voice grade microwave circuits listed in Schedule "A" hereto (the "Circuits") for a limited period in order that the Company may have a reasonable amount of time to make alternate arrangements.

THEREFORE THIS AGREEMENT WITNESSETH, that in consideration of the mutual covenants and agreements herein contained, the parties hereto mutually covenant and agree that:

1.0 PROVISION OF USE

Subject to the terms and conditions herein, Hydro hereby grants to the Company the continued use of the Circuits.

2.0 MAINTENANCE AND REPAIR SERVICE

2.01 Hydro will provide such maintenance and repair service as Hydro considers necessary to keep the Circuits in reasonable operating condition in accordance with manufacturer's applicable specifications and with generally accepted communication industry standards.

2.02 The Company shall advise Hydro of any service interruptions. Maintenance and repair service will be performed

only during normal working hours, which are defined as 8:00 a.m. to 4:00 p.m., Monday to Friday, excluding statutory holidays. If the Company requires service outside normal working hours, the minimum amount of labour charged will be 2-1/2 hours at overtime rates. Labour hours will include travel time to and from the service location and all other applicable terms and conditions as set out in the relevant collective agreement.

2.03 Hydro will use all reasonable efforts to provide maintenance and/or repair service requested by the Company in a complete and timely manner and in accordance with the standards normally established and applied by Hydro when servicing its voice grade microwave circuits.

3.0 ADDITIONAL SERVICES

Additional services provided by Hydro, including, but not limited to:

- (a) service provided at the Company's request outside of normal working hours;
- (b) service required by catastrophe, accidents, or the fault, negligence, misuse or unauthorized use of equipment by the Company or others;
- (c) service provided as a result of deletions requested by the Company;

shall be charged to the Company at Hydro's prevailing rates for parts and labour.

4.0 WORK ON EQUIPMENT

The Company shall notify Hydro prior to undertaking or causing to be undertaken any work on equipment connected to the Circuits. Hydro shall have the right to terminate this Agreement upon thirty days written notice if in the sole discretion of Hydro there are adverse effects on Hydro's microwave system due to any work on connected equipment. The Company shall ensure that only qualified staff or contractors are permitted to work on connected equipment. Maintenance or repair of VHF repeaters, base stations, control units, cables or other related equipment shall be undertaken by Hydro staff only.

5.0 PAYMENT

5.01 As consideration for the use of the Circuits, the Company hereby covenants and agrees to pay to Hydro on the first day of each and every month during the currency of this Agreement, the sum of \$465.00 for each voice grade channel provided by Hydro to the Company for that month (being a total of \$19,995 with respect to the Circuits).

5.02 The Company further covenants and agrees to pay to Hydro all other amounts invoiced, including all charges for additional services pursuant to paragraph 3.0 herein. All such amounts payable shall be due 30 days after the date of the invoice.

5.03 The Company will pay interest to Hydro on any and all overdue amounts at the rate of interest of 1.5% per month (equivalent to 19.6% per annum compounded monthly) payable to Hydro on the last day of each month.

5.04 If the Company fails to pay any amount when due and such default shall continue for thirty (30) days after written notice

from Hydro, and the Company fails within such time to cure such default, then Hydro shall have the right, in addition to any other rights and remedies provided by law, to terminate this Agreement.

5.05 Hydro will prepare and maintain records related to the additional services provided under paragraph 3.0 herein, which records will be open to audit examination by the Company during regular business hours of Hydro during the term of this Agreement and for a period of one (1) year after the termination of this Agreement.

6.0 DELETION OF CIRCUITS

The Company may request at any time in writing deletion of one or more of the Circuits or voice grade channels. Following deletion of the Circuit or voice grade channel, the monthly payment will be adjusted to reflect the decreased number of Circuits being utilized by the Company.

7.0 LIABILITY AND INDEMNITY

7.01 Hydro, its employees or agents, will not be liable for any injury including death to the person of any employee or agent of the Company or for the loss of or damage to the property of the Company, or any of the employees or agents of the Company, that is caused in any way by Hydro's performance of this Agreement unless the injury, loss, or damage is caused by a grossly negligent act or omission of an employee or agent of Hydro while acting within the scope of his employment with Hydro.

7.02 Hydro, its employees or agents, will not be liable to the Company for any loss of revenue or profits or other indirect,

consequential or financial loss that is caused in any way by Hydro's performance of this Agreement, whether such loss is caused by an act or omission of Hydro, its employees or agents, later found to be negligent or otherwise.

7.03 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the Company will at all times indemnify and save harmless Hydro, its employees and agents from and against all claims, demands, losses, costs, damages, actions, suits or other proceedings made, sustained, brought or prosecuted that are based upon, or caused in any way by act or omission by any of the employees or agents of Hydro in connection with the services performed, purportedly performed or required to be performed by Hydro under this Agreement unless such act or omission was grossly negligent.

8.0 SUSPENSION

If as a result of any emergency or force beyond the reasonable control of either party herein or strike, lockout or other such disturbance of either party (the "Force Majeure"), either party is or was wholly or partly unable because of the Force Majeure, to perform an obligation arising from this Agreement and claims that a Force Majeure is occurring or has occurred and reasonably establishes that fact, then the performance of the obligation shall be deemed to be suspended provided always that:

- (a) the suspension shall be of no greater scope and no longer duration than the Force Majeure,
- (b) the non-performing party shall make its reasonable efforts to counter the Force Majeure or to otherwise remedy its inability to perform the obligation,

- (c) a performance required at a time other than when the Force Majeure is occurring shall not be excused by the Force Majeure, and
- (d) an obligation to make a payment when due shall not be excused by the Force Majeure; provided that if Hydro is unable to provide maintenance and repair service pursuant to paragraph 2.01 herein because of a Force Majeure and due to such non-performance the Company is unable to utilize a Circuit, then the Company's obligation to pay pursuant to paragraph 5.01 herein shall be suspended for the period any Circuit is unable to be utilized due to such non-performance.

9.0 ALTERNATIVE ARRANGEMENTS

The Company shall use reasonable efforts to obtain alternative arrangements for the provision of microwave circuits and shall, on a quarterly basis, inform Hydro of such efforts.

10.0 TERM

The term of this Agreement shall be from the date of execution of this Agreement to April 1, 1990 or, subject to written confirmation from the Government of Canada Department of Communications, April 1, 1991, subject to prior termination by the Company on thirty (30) days written notice and subject to prior termination by Hydro as set forth herein.

11.0 DISPUTE LIMITATION

11.01 A party shall not commence any legal proceedings against the other party in respect to the interpretation or enforcement of this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other

party, following which either party shall have the right to submit any dispute, with the other party, arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment thereof, and the decision of the arbitration panel shall be final and binding.

11.02 Subject to paragraph 11.03 notwithstanding any statutory limitation to the contrary, a party shall not commence any action, arbitration or other proceeding between the parties after the expiry of a period of two (2) years after the Services were provided.

11.03 Paragraph 11.02 shall not apply in respect of any action or other proceeding commenced by any third party, other than a company affiliated with or related to the Company, against the Company for which, but for the provisions of paragraph 11.02, the Company would have recourse against Hydro.

12.0 NOTICES

12.01 Any notice, report or other document that either party may be required or may desire to give to the other party shall be in writing, unless otherwise specified herein, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex, or facsimile copier, when received:

(a) if to the Company:

B.C. Gas Inc.
#2300, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: Secretary

(b) if to Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

or at such other address as either party may from time to time designate by notice in writing to the other.

13.0 GENERAL PROVISIONS

13.01 This Agreement constitutes the entire agreement between the parties and there are no representations or warranties, express or implied, statutory or otherwise, and no agreement or agreements collateral hereto other than as expressly set forth or referred to herein.

13.02 At any time during this Agreement, the parties may execute and deliver any instrument or agreement modifying or supplementing this Agreement, which thereafter shall form part hereof.

13.03 Time is expressly declared by each of the parties hereto to be of the essence of this Agreement and each of the terms and conditions of this Agreement.

13.04 The parties will do such reasonable acts and things and execute and deliver such further and other documents and assurances as may be reasonably required for the purposes of carrying out the true meaning and intent of this Agreement.

13.05 This Agreement shall be governed by and construed in accordance with the laws of the Province of British Columbia and the laws of Canada where applicable.


13.06 This Agreement will enure to the benefit of and be binding upon the parties hereto and their heirs, executors, administrators, successors and assigns.

13.07 Upon execution by the parties, this Agreement replaces and supercedes the prior Agreement made as of the 15th day of July, 1988 between the parties.

IN WITNESS WHEREOF the parties hereto have caused these presents to be executed on the day and year first above written.

THE COMMON SEAL OF BRITISH)
COLUMBIA HYDRO AND POWER)
AUTHORITY was hereunto)
affixed in the presence of:)

C/S


Authorized Signatory)

THE COMMON SEAL OF B.C. GAS)
INC. was hereunto affixed)
in the presence of:)

C/S


Authorized Signatory)

WPD-DRJ/36-2

TWENTY-TWO CIRCUITS - 43 CHANNELS

<u>FUNCTION</u>	<u>MICROWAVE STATIONS</u>	<u>MULTIPLY CHANNELS</u>	<u>AUTH. NUMBER</u>	<u>FROM</u>	<u>TO</u>
Metro VHF 149.32 Knight St. Bridge Line Break VHF F1/F2 Control	MCC-HPN-IMCC HPN-KI 2	L237/V10.4.8 L225	84 135	Lochburn IDF "	LMC IDF B.C. Tel lease at Kidd #2
	MCC-CBN-ING- HPN-IMCC	M216/P445/ L239/V10.2.9	195	"	Clayburn IDF LMC IDF Ingledow IDF
Metro VHF Construction	MCC-HPN	L356	300	"	Burnaby Mtn. VHF Room
SCADA ING Tilsbury	MCC-HPN-ARN	L3511/V2.1.7	380	"	B.C. Tel lease at Arnott
SCADA Burrard G.S.	HPN-BUT	L236	382	"	Burrard Thermal IDF
Service Channel	SMS-HTN-ETC.	H1/MK124	612	Huntingdon IDF	Sumas M/W
VHF F.V. Gas (Customer Service)	MCC-HPN-CBN-IMCC	L355/V10.4.7/ M214	651	Lochburn IDF	LMC IDF Huntingdon IDF Clayburn IDF
VHF Maint. & Const. Voice (HTN-LOCH)	SMS-HTN-MCC-HPN	H3/M215/L344	652	"	Huntingdon IDF
SCADA Chilliwack Gate	SMS-HTN-HPN	H6/M218/L359	655	"	Huntingdon IDF
SCADA Huntingdon	MCC-HPN-AIZ	L358/M428	660	"	B.C. Tel lease at Atchelitz
SCADA Pattullo Gate	SMS-HTN-HPN	H7/M219/L351	1219	"	Huntingdon IDF
SCADA Coquitlam	MCC-HPN-ING	L347/P10.2.2	1239	"	B.C. Tel lease at Ingledow
SCADA Fraser Gate	MCC-HPN-BND	L342/M724	1326	"	B.C. Tel lease at Barnard
Oak St. Bridge	MCC-HPN-IMC	L232/V928	1327	"	B.C. Tel Cable at LMC
	HOB-KI 2-MCC	L251/P539	1360	B.C. Tel Cable at Kidd #2	
Tie Trunk	MCC-HPN	L2210	1365	Lochburn IDF	B.C. Tel Cable at H.O. Microwave Control Centre
Tie Trunk	MCC-HPN	L343	1365		
Tie Trunk	MCC-HPN	L345	1365		
Burrard Bridge	MCC-HPN-HOB	L218/P428	1366	"	B.C. Tel Cable at H.O.
Line Break					
Oak St. Bridge	HPN-KI 2	L252	1388	"	B.C. Tel Cable at KI 2
Line Break					
Computer Link F.V. Gas	HOB-ING-SRY	P10.3.5/IS-22	1051	H.O. IDF	B.C. Tel Cable at Surrey Service Centre
(No Charge)		V317/P5311	1400		

DATED: the 29th day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER
AUTHORITY

AND:

B.C. GAS INC.

AMENDED AND RESTATED
CIRCUIT AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-DRJ/36-2

File No. 1166/9

PA 79

**AMENDED AND RESTATED
EMPLOYEE SERVICE AGREEMENT**

THIS AGREEMENT made as of the 29th day of September, 1988 is an amendment and re-statement of an agreement made as of July 15, 1988 between the parties noted below.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, c. 188

("Hydro")

OF THE FIRST PART

AND:

B.C. GAS INC., a body corporate under the laws of the Province of British Columbia, having its registered office at 2800 - 595 Burrard Street, Vancouver, British Columbia, V7X 1J5

(the "Company")

OF THE SECOND PART

W H E R E A S:

A. By separate agreement executed concurrently herewith (the "Asset Transfer Agreement"), Hydro agreed to sell to the Company and the Company agreed to purchase from Hydro certain of the assets of its gas utility business (the "Business"), upon the terms more specifically set out therein;

B. For the purposes of this Agreement, all capitalized words herein shall have the same meaning given to those words in the Asset Transfer Agreement, unless otherwise defined herein;

C. The Company wishes to engage Hydro to supply to the Company the services of certain of Hydro's employees required to operate the Business (the "Employment Services").

NOW THEREFORE THIS AGREEMENT WITNESSES THAT in consideration of the premises and of the mutual covenants and agreements herein contained the parties hereto agree as follows:

1.0 DEFINITIONS

- (a) "Employees" means those employees of Hydro engaged full or part-time in providing any services to the Business under this Agreement and "Employee" means one of them;
- (b) "Hydro" means the British Columbia Hydro and Power Authority;
- (c) "Hydro's Cost" means the cost of all salaries and other related benefits incurred by Hydro with respect to the provision of the services of the Employees to the Company;
- (d) "Term" means the term of this agreement, as described in Paragraph 5.0.

2.0 EMPLOYEE SERVICES

2.01 The Company hereby engages Hydro to provide the services of certain of Hydro's employees (the "Employment Services") to the Company upon the terms and conditions contained herein.

2.02 The Employees shall be employees of Hydro and not employees of the Company.

3.0 FEES

The Company will, as required, pay Hydro in advance a fee in such amount to be agreed by the parties as represents a recovery of Hydro's Cost.

4.0 RECORDS

Hydro will prepare and maintain records related to the Employees which records will be open to examination by the Company during regular business hours of Hydro during the term of this Agreement and for a period of one (1) year after the termination of this Agreement.

5.0 TERM

This Agreement shall commence on the date hereof and terminate and be of no further force or effect upon the Order in Council of the Lieutenant Governor in Council of the Province of British Columbia under section 24 of the Privatization Act and, in any event, no later than September 30, 1988.

6.0 DISCLOSURE

Except as provided for by law or otherwise by this Agreement, the parties will treat as confidential and will not, without the prior consent of the other publish, release, disclose or permit to be disclosed to any person or corporation, either before, during or after termination of this Agreement the information supplied to, obtained by, or which comes to the knowledge of the other party as a result of this Agreement and will use that information only for the purposes of this Agreement.

7.0 LIABILITY AND INDEMNITY

7.01 Hydro, its employees or agents, will not be liable for any injury including death to the person of any employee or agent of the Company or for the loss of or damage to the property of the Company, or any of the employees or agents of the Company, that is caused in any way by Hydro's performance of the Employment Services under this Agreement.

7.02 Hydro, its employees or agents, will not be liable to the Company for any loss of revenue or profits or other indirect, consequential or financial loss that is caused in any way by Hydro's performance of the Employment Services under this Agreement, whether such loss is caused by an act or omission of Hydro, its employees or agents, later found to be negligent or otherwise.

7.03 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the Company will at all times indemnify and save harmless Hydro, its employees and agents from and against all claims, demands, losses, costs, damages, actions, suits or other proceedings made, sustained, brought or prosecuted that are based upon, or caused in any way by act or omission by any of the employees or agents of Hydro in connection with the Employment Services performed, purportedly performed or required to be performed by Hydro under this Agreement.

8.0 DISPUTE LIMITATION

8.01 A party shall not commence any legal proceedings against the other party in respect to the interpretation or enforcement of this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party, following which either party shall have the right to submit any dispute, with the other party, arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment thereof, and the decision of the arbitration panel shall be final and binding.

8.02 Notwithstanding any statutory limitation to the contrary, a party shall not commence any action, arbitration or other proceeding between the parties after the expiry of a period of two (2) years after the Services were provided.

9.0 AMENDMENTS

At any time during this Agreement the parties may execute and deliver any instruments or agreements modifying or supplementing this Agreement which thereafter shall form part hereof.

10.0 GENERAL

10.01 This Agreement constitutes the entire agreement between the parties regarding this subject matter and there are no understandings or agreements collateral hereto, oral or otherwise, and no representations or warranties, express or implied except as expressly set out in this Agreement.

10.02 Any notice, report or other document that either party may be required or may desire to give to the other party shall be in writing, unless otherwise specified herein, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex, or facsimile copier, when received:

(a) if to the Company:

B.C. Gas Inc.
#2300, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: Secretary

(b) if to B.C. Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

or at such other address as either party may from time to time designate by notice in writing to the other.

10.03 The parties will do such reasonable acts and things and execute and deliver such further and other documents and assurances as may be reasonably required for the purposes of carrying out the true meaning and intent of this Agreement.

10.04 This Agreement shall be governed by and construed in accordance with the laws of the Province of British Columbia and the laws of Canada where applicable.

10.05 The headings or captions appearing in this Agreement are inserted for ease of reference only and shall have no effect on the construction or interpretation of this Agreement.

10.06 This Agreement will enure to the benefit of and be binding upon the parties hereto and their heirs, executors, administrators, successors and assigns of the parties.

10.07 Upon execution by the parties, this Agreement replaces and supercedes the prior Agreement made as of the 15th day of July, 1988 between the parties.

IN WITNESS WHEREOF the parties have executed this Agreement as of the day and year first above written.

THE COMMON SEAL OF
BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY
was hereunto affixed in the
presence of:


Authorized Signatory

C/S

THE COMMON SEAL OF
B.C. GAS INC. was
hereunto affixed in the
presence of:


Authorized Signatory

C/S

WPD-H/MG/5-2

DATED: the 29th day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

AMENDED AND RESTATED
EMPLOYEE SERVICE AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-H/MG-5-2

File No. 1166/9

AMENDED AND RESTATED
EXPENSE AGREEMENT

THIS AGREEMENT made as of the 29th day of September, 1988 is an amendment and re-statement of an agreement made as of July 15, 1988 between the parties noted below.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, c. 188

(herein called "**Hydro**")

OF THE FIRST PART

AND:

B.C. GAS INC., a body corporate under the laws of the Province of British Columbia, having its registered office at 2800 - 595 Burrard Street, City of Vancouver, Province of British Columbia

(herein called the "**Company**")

OF THE SECOND PART

W H E R E A S:

A. By separate agreement made as of the 15th day of July, 1988, (the "Asset Transfer Agreement"), Hydro agreed to sell to the Company and the Company agreed to Purchase from Hydro certain of the assets of its gas utility business (the "Business") upon the terms more specifically set out therein;

B. For the purposes of this Agreement, all capitalized words herein shall have the same meaning given to those words in the Asset Transfer Agreement, unless otherwise defined herein;

C. By further agreement (the "Hydro Services Agreement") executed concurrently herewith, the Company has requested and Hydro has agreed to provide to the Company certain services, including financial services, in the manner and subject to the terms and conditions therein set forth; and

D. In connection therewith, the parties hereto desire to enter into an agreement with respect to the treatment of any liability incurred by the Company or by Hydro, as purchasing agent, on behalf of the Company, in connection with the purchase of materials, services or assets, or in connection with wage and salary compensation or other charge or tax, (excluding any expenses payable to Hydro in accordance with any other agreements scheduled in the Asset Transfer Agreement) or any other expense incurred in respect of the Business, (the "Expense"), which expense Hydro pays from its funds on behalf of the Company.

NOW THEREFORE THIS AGREEMENT WITNESSES THAT in consideration of the premises and of the mutual covenants and agreements herein contained the parties hereto agree as follows:

1.0 PAYMENT OF EXPENSES BY HYDRO

1.01 Subject to the terms and conditions contained herein, Hydro hereby agrees to pay the Expenses and the Company hereby agrees to reimburse Hydro for all such Expenses.

1.02 Hydro, its employees and agents, shall use reasonable efforts to ensure that payment of each Expense is made in accordance with Hydro's normal payment practice.

1.03 Hydro will prepare and maintain records related to the Expenses which records will be open to audit examination by the Company during regular business hours of Hydro during the currency

of this Agreement and for a period of one (1) year after the termination of this Agreement.

2.0 REIMBURSEMENT OF EXPENSES BY COMPANY

2.01 The Company will reimburse Hydro for all Expenses, in the following manner:

- (a) Prior to the beginning of each month, Hydro will provide to the Company an estimate of the total Expenses for that month;
- (b) Each business day the Company will transfer funds to Hydro's general account no. 000677-5 at The Royal Bank of Canada, 1025 West Georgia Street, Vancouver, British Columbia, in an amount equal to the total estimated Expenses in that month, divided by the number of business days in that month;
- (c) After each month-end Hydro will determine the difference between actual and estimated Expenses (the "Adjustment") and will notify the Company of the Adjustment forthwith; and
- (d) Adjustments owed to the Company will be paid to the Company by Hydro immediately. Adjustments owed by the Company to Hydro will be paid to Hydro upon notification in paragraph 2.01(c) herein.

2.02 Interest will be payable immediately by the appropriate party at 1.5% per month, for payments not made in accordance with paragraph 2.01 herein.

2.03 Any money not paid to Hydro in error, by mistake of law or mistake of fact, shall be paid by the Company to Hydro,

together with interest thereon at that rate charged to prime borrowers by Hydro's principal bankers.

3.0 OBLIGATIONS OF THE COMPANY

The Company shall:

- (a) assist Hydro by providing all available and necessary information that Hydro will require to account for and pay the Expenses;
- (b) give Hydro prompt and sufficient notice of changes in priorities or programmes likely to affect materially the amount of Expenses;
- (c) examine all requests, reports or other documents presented by Hydro and promptly provide decisions or general instructions pertaining thereto so as not to delay the payment of Expenses; and
- (d) reimburse Hydro for the Expenses in the manner described in paragraph 2.01 herein, whether or not any Expense is being or will be disputed by the Company.

4.0 DISCLOSURE

Except as provided for by law or otherwise by this Agreement, the parties will treat as confidential and will not, without the prior consent of the other party, publish, release, disclose or permit to be disclosed to any person or corporation, either before, during or after the termination of this Agreement, the information supplied to, obtained by, or which comes to the knowledge of the other party as a result of this Agreement and will use that information only for the purposes of this Agreement.

5.0 TERMINATION

This Agreement shall terminate and be of no further force or effect upon the termination of the Hydro Services Agreement, provided that termination shall be subject to the rights, remedies and obligations of both parties accruing to the date of termination, that paragraphs 1.03 and 4.0 shall survive such termination and provided that all amounts payable under paragraph 2.0 have been paid.

6.0 DISPUTE LIMITATION

A party shall not commence any legal proceedings against the other party in respect of the interpretation or enforcement of this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party, following which either party shall have the right to submit any dispute with the other party arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment thereof, and the decision of the arbitration panel shall be final and binding.

7.0 AMENDMENTS

At any time during this Agreement the parties may execute and deliver any instruments or agreements modifying or supplementing this Agreement which thereafter shall form part hereof.

8.0 GENERAL

8.01 This Agreement constitutes the entire agreement between the parties regarding this subject matter and there are no

understandings or agreements collateral hereto, oral or otherwise, and no representations or warranties, express or implied except as expressly set out in this Agreement.

8.02 Any notice, report or other document that either party may be required or may desire to give to the other party shall be in writing, unless otherwise specified herein, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex, or facsimile copier, when received:

(a) if to the Company:

B.C. Gas Inc.
#2300, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: Secretary

(b) if to B.C. Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

or at such other address as either party may from time to time designate by notice in writing to the other.

8.03 The parties will do such reasonable acts and things and execute and deliver such further and other documents and assurances as may be reasonably required for the purposes of carrying out the true meaning and intent of this Agreement.


8.04 This Agreement shall be governed by and construed in accordance with the laws of the Province of British Columbia and the laws of Canada where applicable.

8.05 The headings or captions appearing in this Agreement are inserted for ease of reference only and shall have no effect on the construction or interpretation of this Agreement.

8.06 This Agreement will enure to the benefit of and be binding upon the parties hereto and their heirs, executors, administrators, successors and assigns of the parties.


8.07 Upon execution by the parties, this Agreement replaces and supercedes the prior Agreement made as of the 15th day of July, 1988 between the parties.

IN WITNESS WHEREOF the parties have executed this Agreement as of the day and year first above written.

THE COMMON SEAL OF
BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY hereunto
affixed in the presence of:

Authorized Signatory

C/S

Authorized Signatory

THE COMMON SEAL OF B.C. GAS
INC. was hereunto affixed
in the presence of:

Authorized Signatory

C/S

WPD-H/MG/1-2

DATED: the 29th day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

AMENDED AND RESTATED
EXPENSE AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-H/MG-1-2 File No. 1166/9

Inter Office Memorandum



*plz file in
BC Gas Binder of
Agmts*

TO: G.R. Lechner
FROM: L.R. Dear
SUBJECT: Fort Nelson Thermal Gas Supply Agreement
DATE: March 12, 1990

Attached for your records is a copy of Amendment Notice No. 2 to the above Agreement which confirms the agreement that was reached between Messrs. Goodwin of BC Gas and Lunder of B.C. Hydro.

A handwritten signature in cursive script.
L.R. Dear

LRD/ld

Attach.

c.c. W.G. Bierlmeier - w/attach.
D.H. Breuls - "
J.P. Goodwin - "
D.M. Masuhara - "
T.P. Raphael - "

BC Gas Inc.

1066 West Hastings Street
Vancouver, British Columbia
Canada V6E 3G3

Tel (604) 684-0484
Fax (604) 661-9614



February 22, 1990

Mr. D.W. McPherson
Manager, Business Development
B.C. Hydro
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Dear Sir:

Re: Fort Nelson Thermal Gas Supply Agreement
made as of the 29th day of September 1988
(the "Agreement"), Amendment Notice No. 2

In accordance with Clause 8.0 of the Agreement, this Amendment Notice No. 2 will confirm that the Company will waive the payments for July, August, September and October, 1988, which were due in accordance with item (b) (i) of the Charges clause.

If the foregoing reflects the agreement reached between our respective companies, please so indicate by endorsing where indicated on this letter, and returning one copy to me.

Yours truly,

A handwritten signature in dark ink, appearing to be "L.R. Dear", written over the typed name.

L.R. Dear
Director
Contract Services

LRD:ld

Attach.

READ AND AGREED THIS 5th day of MARCH, 1990

Per:

A handwritten signature in dark ink, appearing to be "D.W. McPherson", written over the typed name.
Signature

MGR BUS. DEV.
Title

FORT NELSON THERMAL GAS SUPPLY AGREEMENT

THIS AGREEMENT made as of the 29th day of September, 1988, with effect as and from the 15th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, Chapter 188, as amended, of 970 Burrard Street, in the City of Vancouver, in the Province of British Columbia, V6Z 1Y3

(hereinafter referred to as "**Hydro**")

OF THE FIRST PART

AND:

B.C. GAS INC. a body corporate under the laws of the Province of British Columbia, having its registered office at 2800 - 595 Burrard Street, Vancouver, British Columbia, V7X 1J5

(hereinafter called the "**Company**")

OF THE SECOND PART

WHEREAS:

A. By separate agreement made as of July 15, 1988 (the "Asset Transfer Agreement") Hydro agreed to sell to the Company and the Company agreed to purchase from Hydro certain assets upon the terms more specifically set out therein;

B. For the purposes of this Agreement, all capitalized words shall have the same meaning given to those words in the Asset Transfer Agreement, unless otherwise defined herein;

C. Hydro owns and operates the Fort Nelson Thermal electrical energy generating station for the production of electrical energy and requires a supply of natural gas to fuel its operation of Fort Nelson Thermal;

D. There exists a gas supply agreement dated June 1, 1977 which has been amended from time to time, whereby Westcoast has agreed to supply gas to Hydro (the "Novation Agreement").

E. Hydro's interest in the Novation Agreement and amendments thereto has been transferred and assigned by Hydro to the Company pursuant to the Asset Transfer Agreement;

F. Hydro has agreed to purchase a supply of natural gas to fuel its operations at Fort Nelson Thermal under the terms and conditions of this Agreement;

NOW THEREFORE THIS AGREEMENT WITNESSES, that in consideration of the premises and the mutual covenants, agreements and warranties hereinafter set forth, each of the parties covenant and agree as follows:

1.0 DEFINITIONS

Where used herein or in any amendment hereto, unless the context otherwise requires, each of the following words shall have the meaning set forth as follows:

- (a) "**Commodity Cost**" means the field commodity cost of natural gas negotiated by the Company from time to time for the supply of gas under this Agreement, which is currently \$1.03 per gigajoule;

- (b) **"Distribution System"** means the natural gas facilities presently operated by Fort Nelson Gas for the sale and distribution of natural gas in or about Fort Nelson, British Columbia and expansions thereof;
- (c) **"Fort Nelson Thermal"** means the Fort Nelson electrical energy generating station owned and operated by Hydro and situate at or near Fort Nelson, British Columbia;
- (d) **"Fort Nelson Processing Plant"** means the facilities owned by Westcoast for the processing of raw gas located at or near Fort Nelson, British Columbia;
- (e) **"Fort Nelson Gas"** means Fort Nelson Gas Ltd. a body corporate under the laws of British Columbia and its successors and assigns, including any party acquiring the Distribution System;
- (f) **"10³m³"** means 1,000 cubic metres of gas; and
- (g) **"Westcoast"** means Westcoast Energy Inc., a body corporate having its head office in Vancouver, British Columbia and formerly known as Westcoast Transmission Company Limited.

2.0 GAS SUPPLY

The Company hereby agrees to sell and deliver to Hydro natural gas for use at Fort Nelson Thermal and Hydro shall take and pay for such natural gas upon the terms and conditions herein contained.

3.0 CHARGES

3.01 Hydro shall pay to the Company for natural gas sold and delivered hereunder the following:

- (a) the same charges payable to Westcoast by the Company from time to time under the Novation Agreement, as amended from time to time. For greater certainty, such charges include the Commodity Cost and the applicable tolls and charges of Westcoast as approved from time to time by the National Energy Board. Bills will be rendered by the Company to Hydro on a monthly basis in respect of such tolls and charges. The due date for payment of such bills is the first business day after 21 calendar days following the billing date, as shown on the face of the bill, which due date is one business day in advance of the current applicable monthly due date upon which the Company is required to make payment to Westcoast in respect of such tolls and charges. In the event the current Westcoast monthly due date in respect of the Company is revised, upon written notice to Hydro by the Company, the due date for payment of bills rendered pursuant to this paragraph will be amended to be that date one business day in advance of the revised Westcoast monthly due date and the billing date will be adjusted accordingly;
- (b) (i) for the part month from July 16, 1988 to July 31, 1988 the sum of \$1,032, and on the 1st day of August 1988 and on the first day of each and every month thereafter to and including the first day of June 1989, the sum of \$2,000;
- (ii) on the first day of July, 1989 and on the first day of each and every month thereafter to and including the 1st day of June 1990, the sum of \$2,100; and

- (iii) on the first day of July 1990 and on the first day of each and every month thereafter the sum of \$2,205 until such sum is adjusted either by the agreement between the parties or by the regulatory authority having jurisdiction over this Agreement.

Payments under this section 3.01(b) shall be made notwithstanding the occurrence of an event of Force Majeure claimed by Hydro; and

- (c) the taxes directly on the charges specified in sections 3.01(a) and 3.01(b) herein, including social services tax.

3.02 Hydro shall make all payments to the Company required under this Agreement at a Company office located within the Lower Mainland designated by the Company from time to time for such purpose.

4.0 DELIVERY POINT

The delivery point for the natural gas sold and delivered hereunder shall be the delivery point at the outlet of the Fort Nelson Processing Plant. Hydro shall be responsible for making all necessary arrangements to take delivery of natural gas delivered hereunder and for transporting such gas to Fort Nelson Thermal.

5.0 DELIVERY OF GAS

5.01 The Company hereby reserves for the use of Hydro a volume of gas up to $249.3 \times 10^3 \text{m}^3$ of natural gas per day purchased by the Company under the Novation Agreement.

5.02 The determination of natural gas consumption at Fort Nelson Thermal shall be based on the readings and measurements obtained from the natural gas meter located at Fort Nelson Thermal.

5.03 Hydro shall at its own cost and expense operate and maintain the natural gas meter in accordance with the manufacturer's specifications and instructions and all governmental and regulatory standards and regulations.

5.04 Upon the request of Hydro, the Company shall provide services for the maintenance and repair of the natural gas meter at reasonable cost.

6.0 LIABILITY AND INDEMNITY

6.01 Subject to the Financial Administration Act S.B.C. 1981, c.15, as amended, and the Hydro and Power Authority Act R.S.B.C. 1979, c.188, as amended and the regulations thereunder:

- (a) Hydro shall be liable for and shall indemnify and save harmless the Company, its employees and agents, from and against any and all damage, loss, cost and expense which the Company, its employees or agents, may suffer or incur; and
- (b) Hydro shall indemnify and save harmless the Company, its employees and agents, from and against all claims, demands, costs, actions and causes of action whatsoever (including assessments by the Workmen's Compensation Board of British Columbia) which may be brought or made against the Company, its employees or agents,

in either case caused by, arising out of, or connected in any way with any of Hydro's equipment or any use thereof or disturbing

element caused, permitted or introduced by Hydro or Hydro's equipment, or caused by, arising out of or connected in any way with any action, effect or use of gas after the same shall have been delivered to Hydro.

6.02 Hydro, its employees or agents, will not be liable to the Company pursuant to paragraph 6.01(a) for any loss of revenue or profits or other indirect, consequential or financial loss whether such loss is caused by an act or omission of Hydro, its employees or agents, later found to be negligent or otherwise.

7.0 TERM

7.01 The term of this Agreement shall commence the 16th day of July, 1988 and shall terminate the 31st day of October, 1996.

7.02 The duties and obligations of the parties accrued to the date of the termination of this Agreement shall survive the termination of this Agreement.

8.0 NOTICES

Any notice, report or other document that either party may be required or may desire to give to the other shall be in writing unless otherwise provided for and will be deemed to be validly given to and received by the addressee if served personally. On the date of such personal service, or, if delivered by mail, telefax or facsimile copiers when received:

(a) If to the Company:

B.C. Gas Inc.
23rd Floor
1066 Wet Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: Secretary

(b) If to Hydro:

British Columbia Hydro & Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

or at such other addresses either party may from time to time designate by notice in writing to the other.

9.0 SUSPENSIONS

If as a result of any emergency or force beyond the reasonable control of either party herein or strike, lockout or other such disturbance of either party (the "Force Majeure"), either party is or was wholly or partly unable because of the Force Majeure, to perform an obligation arising from this Agreement and claims that a Force Majeure is occurring or has occurred and reasonably establishes that fact, then the performance of the obligation shall be deemed to be suspended provided always that:

- (a) the suspension shall be of no greater scope and no longer duration than the Force Majeure,
- (b) the non-performing party shall make its best efforts to counter the Force Majeure or to otherwise remedy its inability to perform the obligation,
- (c) a performance required at a time other than then the Force Majeure is occurring shall not be excused by the Force Majeure, and
- (d) an obligation to make a payment when due shall not be excused by the Force Majeure.

10.0 CHARTS

Hydro shall, at the request of the Company:

- (a) (i) change charts at 0800 hours PST on the first day of each month and at 0800 hours PST on any day a chart change is required,
 - (ii) Enter all the information required to complete the reverse side of each chart as it is removed from the meter,
 - (iii) send all completed charts to the Company in a manner specified by the Company;
 - (iv) wind the clock mechanism, ink and service the recorder pens, and report forthwith mechanical failure to the Company;
 - (v) take meter readings at 0800 PST on each working day and provide such readings to company in a manner specified by the Company, and
 - (vi) advise the Company as soon as possible of any actual or anticipated abnormal change in Hydro's rate of consumption of gas;
- (b) permit the Company to maintain on Hydro's premises aforesaid, the necessary communication circuit and other facilities for the purpose of telemetering Hydro's gas consumption.

11.0 MISCELLANEOUS

11.01 This Agreement shall enure to the benefit of and be binding on the parties hereto their successors and assigns. Hydro shall not assign this Agreement or any of the rights, benefits and remedies conferred upon it by this Agreement to a third party, without the prior written consent of the Company.

11.02 No waiver of or failure by the Company to enforce any right or to exercise any remedy provided in this Agreement shall affect or prejudice the rights and remedies of the Company in respect of any future or any breach of this Agreement by Hydro or in respect of any matter for which the Company may be entitled to discontinue the supply of gas.

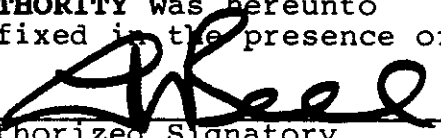
11.03 This Agreement is subject to the Company obtaining and maintaining any regulatory approvals that may be required.

11.04 A party shall not commence any legal proceedings against the other party in respect to the interpretation or enforcement of this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party and included in such reasonable steps is the right of a party to submit any dispute, with the other party, arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-anactment or amendment thereof.

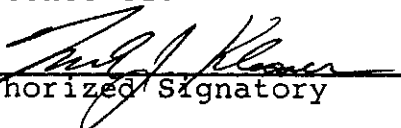
11.05 Notwithstanding any statutory limitation to the contrary of a party, a party shall not commence any action, arbitration or other proceeding between the parties after the expiry of a period

of the (2) years after the issue in dispute arose.

IN WITNESS WHEREOF the parties hereto have caused
this Agreement to be executed as of the day and year first above
written.

THE COMMON SEAL OF BRITISH)
COLUMBIA HYDRO AND POWER)
AUTHORITY was hereunto)
affixed in the presence of:)
)
Authorized Signatory)

C/S

THE COMMON SEAL OF)
B.C. GAS INC. was)
hereunto affixed in the)
presence of:)
)
Authorized Signatory)

C/S

WPD-H/MG/11-2

DATED: the 29th day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

FORT NELSON THERMAL GAS SUPPLY AGREEMENT

OWEN, BIRD

P.O. Box 49130

Three Bentall Centre

2800 - 595 Burrard Street

Vancouver, B.C.

V7X 1J5

(Tel: 688-0401)

WPD/H/MG/11-2

File No. 1166/9

**AMENDED AND RESTATED
FRASER VALLEY RAIL CORRIDOR LICENCE**

THIS AGREEMENT made as of the 29 day of September, 1988 is an amendment and re-statement of an agreement made as of July 15, 1988 between the parties noted below.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, Chapter 188, as amended of 970 Burrard Street, in the City of Vancouver, in the Province of British Columbia, V6Z 1Y3

(hereinafter called "Hydro")

OF THE FIRST PART

AND:

B.C. GAS INC. (formerly known as 74280 B.C. Ltd.), a body corporate under the laws of the Province of British Columbia, having its registered office at 2800 - 595 Burrard Street, Vancouver, British Columbia, V7X 1J5

(hereinafter called the "Gas Company")

OF THE SECOND PART

W H E R E A S:

A. Hydro has agreed to grant to the Gas Company a licence over portions of certain parcels of land held in fee simple by Hydro, for the purposes of a natural gas trunk pipeline corridor.

NOW THEREFORE THIS AGREEMENT WITNESSES that in consideration of the sum of \$10.00 now paid by each of the parties hereto to the other (the receipt and sufficiency of which is hereby acknowledged by each party) and of the premises and of the mutual covenants and agreements contained herein, the parties agree as follows:

1.0

DEFINITIONS

1.01 For the purposes of this Agreement, all capitalized words shall have the same meaning given to those words in the Real Property Operating Agreement, unless otherwise defined herein.

1.02 In this Licence:

- (a) "Further Works" means those modified or expanded Gas Facilities as may be approved in accordance with the Real Property Operating Agreement;
- (b) "Gas Facilities" means, subject to paragraph 6.03(a), trunk pipelines (as distinct from other distribution pipelines) and facilities related thereto, whether aboveground or underground, including without limiting the generality of the foregoing, gas storage facilities, valves, gas pressure regulator stations, compressors, measurement stations, meters, markers, appliances, storage facilities, fittings, devices for controlling corrosion, existing, installed or being operated by the Gas Company on the Licenced Area as at July 16, 1988, all for use in the Gas Operations, but excluding the Works of Hydro, or the works of Authorized Parties;
- (c) "Gas Operations" means the operation of the Gas Utility;
- (d) "Land" means all those parcels of land set forth in Parts 1, 2 and 3 of Schedule "A" attached hereto;
- (e) "Licenced Area" means, subject to paragraph 6.03(b), those portions of the Land on which the Gas Facilities have been constructed at the date of commencement of this Licence, as shown coloured red on the sketches attached hereto as Schedule "B";

- (f) "Real Property Operating Agreement" means that agreement made as of July 15, 1988 between the parties hereto, as amended and restated as of the date of this Agreement.

2.0 GRANT OF LICENCE

2.01 Subject to the terms of this Agreement and to the provisions of the Real Property Operating Agreement, Hydro hereby grants to the Gas Company, its employees, agents, contractors, subcontractors, licencees and invitees the following rights in the Land by way of non-exclusive licence:

- (a) the right to place and keep the Gas Facilities on the Licenced Area and to enter upon the Licenced Area for the purposes of repairing, maintaining, removing or reconstructing the Gas Facilities and all acts incidental thereto;
- (b) the right to enter upon the Licenced Area to do all acts, things and matters necessary thereon for or incidental to the purpose of carrying on Gas Operations;
- (c) the right to enter from time to time upon such parts of the Land as may be necessary and approved by Hydro, acting reasonably, for the purposes of constructing, erecting, repairing, altering, improving, maintaining, removing or reconstructing the Gas Facilities and Further Works and to do all acts and things incidental thereto.

3.0 DURATION

3.01 The duration of the Licence and the rights herein granted shall be for a term commencing on the 16th day of July, 1988 and terminating on the 31st day of December 2064, unless cancelled in accordance with the terms hereof.

4.0 COVENANTS OF THE GAS COMPANY

4.01 The Gas Company covenants and agrees with Hydro:

- (a) to pay and discharge when due Taxes and Apportioned Taxes now or hereafter assessed, levied or charged upon the Gas Company or which relate to the Licenced Area, as more particularly described in Article 20 of the Real Property Operating Agreement;
- (b) to observe, abide by and comply with all laws, bylaws, orders, directions, ordinances and regulations of any competent governmental authority in any way affecting the use of the Licenced Area by the Gas Company and improvements of the Gas Company situate thereon, or their use and occupation by the Gas Company, to the extent the Gas Company is bound thereby;
- (c) not to commit or suffer any willful or voluntary waste, spoilage or destruction on the Land or do or suffer to be done thereon anything that may be or become a nuisance to owners or occupiers of the Land or adjoining lands;
- (d) not to leave the Licenced Area other than in a safe, clean and sanitary condition reasonably satisfactory to Hydro and to make clean and sanitary any portion of the Land or any improvement on the Licenced Area used by the Gas Company in the normal course of exercising its rights hereunder, and as may be agreed by the parties from time to time;
- (e) to use and occupy the Land only in accordance with the provisions of this Licence and the provisions of the Real Property Operating Agreement;

- (f) to effect and keep in force during the term, insurance in accordance with paragraph 25.01 of the Real Property Operating Agreement;
- (g) not to interfere unlawfully with the rights of any other person entitled to enter on and use the Land under a prior, subsequent or future licence or other right granted by Hydro of which disclosure has been made to the Gas Company pursuant to Article 15 of the Real Property Operating Agreement;
- (h) not to construct, place or maintain any Gas Facilities or other building or improvement on the Land except those existing as at July 16, 1988, those permitted under Article 2 and Further Works;
- (i) to deliver to Hydro from time to time, upon request, proof of insurance, as the case may be, provided for in paragraph 4.01(f), receipts or other evidence of payment of Taxes, Apportioned Taxes, insurance premiums and other monetary obligations of the Gas Company required to be observed by the Gas Company pursuant to this Licence or the Real Property Operating Agreement;
- (j) to well and sufficiently repair and maintain, and keep in good and substantial repair the Gas Facilities and all fixtures and things belonging thereto or which at any time during the duration of this Licence shall be erected and made when, where, and so often as may be necessary;
- (k) to make available, if required by Hydro, a Gas Company representative to accompany an authorized representative of Hydro for the purpose of examining the Licenced Area, the Gas Facilities and the condition thereof; and

- (1) that if at any time, in the reasonable opinion of Hydro, maintenance, reconstruction or remedial work to the Gas Facilities is required in order to protect or improve the safety of, or accessibility to Hydro's facilities and operations on the Land or the facilities or operations of any other licensee of Hydro thereon, the Gas Company will, at its own expense, unless otherwise agreed by the parties, and within a reasonable period of time following receipt of notice from Hydro, perform all work reasonably required by Hydro to ensure such safety and accessibility.

5.0 COVENANTS OF HYDRO

5.1 Hydro covenants and agrees with the Gas Company that:

- (a) in the construction, maintenance and operation of such of Hydro's Works as may at any time be built or otherwise constructed, erected or installed on the Land, Hydro will not carry on, and
- (b) in other cases, upon the reasonable written request of the Gas Company, Hydro will endeavour to prevent,

any practice or activity which materially interferes with the Gas Facilities or Gas Operations from time to time on the Land, or the Gas Company's access thereto.

5.2 Hydro covenants and agrees with the Gas Company to exercise the utmost care not to damage the Gas Facilities, and if Hydro causes any such damage, it will reimburse the Gas Company for the reasonable costs incurred by the Gas Company in restoring the Gas Facilities to as close to their pre-damaged condition as is reasonably practical.

6.0 GAS FACILITIES

6.01 Hydro acknowledges, covenants and agrees with the Gas Company that, subject to the provisions of this Licence, the Gas Facilities shall at all times remain the property of the Gas Company, notwithstanding the degree by which the same may be annexed or affixed to the freehold, and the Gas Company shall be entitled to freely alienate the Gas Facilities as its own property.

6.02 If, and to the extent that any Gas Facilities are vested in Hydro, Hydro hereby, for and in consideration of the sum of Ten Dollars (\$10.00), receipt of which is hereby acknowledged, grants, releases, quitclaims, transfers and assigns such Gas Facilities to the Gas Company.

6.03 If, from time to time the Gas Company completes construction of Further Works:

- (a) the term "Gas Facilities", from and after the date of such construction, will be deemed to include such Further Works and will be deemed to exclude such Gas Facilities as have been removed, if any, as a result of such Further Works; and
- (b) the term "Licenced Area", from and after the date of such construction, will be deemed to exclude the portions of the Land from which Gas Facilities have been removed, if any, and be deemed to include the portions of the Land on which Further Works have been constructed.

6.04 Upon written notice from Hydro, which notice may contain such terms and conditions as Hydro may consider advisable and reasonable, given on or after the last day of the term of this Agreement, or given on or after the date of cancellation set by

notice pursuant to Article 9, whichever is sooner, the Gas Company shall remove from the Land the Gas Facilities or such part or parts thereof as may be set forth in the said notice pursuant to Article 9, and to the extent necessary, this covenant and the covenant contained in paragraph 6.05 shall survive the expiration or cancellation of this Licence.

6.05 The Gas Company shall commence removing the Gas Facilities in accordance with the notice given pursuant to paragraph 6.04 within one (1) month from the date of such removal notice, and shall diligently continue such removal work until completed. All costs incurred in the course of such removal shall be borne by the Gas Company.

6.06 The Gas Company shall not, without the prior written consent of Hydro, which consent may be arbitrarily withheld, erect, install, construct or authorize or permit the erection, installation or construction on any part of the Land or as part of the Gas Facilities any sign, billboard, display material or other similar device except as may be required by regulation under the Utilities Commission Act or reasonably required for the protection or operation of the Gas Utility.

7.0 HYDRO FACILITIES AND OPERATIONS

7.01 This Licence is subject to Hydro's rights in respect of its electric operations and facilities made subject to paragraph 15.06 of the Real Property Operating Agreement, and is subject to prior and concurrent dispositions made pursuant to agreements relating, inter alia, to rail, water, telephone, cablevision and municipal services.

7.02 The Gas Company acknowledges, covenants and agrees with Hydro that Hydro now owns and operates or controls, and in Hydro's discretion may divest itself of all the electric, rail and communications facilities at any time built or otherwise

constructed, erected or installed on the Land by or on behalf of Hydro, and subject to the terms of this Agreement and the Real Property Operating Agreement, Hydro or its successors, purchasers, licencees and assigns may, from time to time build, construct, erect, install, replace, remove, relocate, add to, modify, reconstruct, or change its methods of operation of such electric, rail or communications facilities.

7.03 This Licence shall not entitle the Gas Company to exclusive possession of the Land or of the Licenced Area and the Gas Company agrees that Hydro may, subject to the rights of the Gas Company herein and in the Real Property Operating Agreement, use the Land, or grant, licences or other rights to others to use the Land, for any purpose other than that permitted to the Gas Company herein.

7.04 The Gas Company shall execute promptly upon request by Hydro any certificate, consent, assurance or other instrument confirming the rights of Hydro under this Article 7 as Hydro may reasonably request from time to time.

8.0 ASSIGNMENT AND TENURE

8.01 The Gas Company shall not assign or mortgage, charge, encumber or pledge this Licence nor sub-licence any part of the Licenced Area without the prior written consent of Hydro, which consent may not be unreasonably or arbitrarily withheld, subject to the applicable provisions of the Real Property Operating Agreement.

8.02 This Agreement creates contractual rights only between Hydro and the Gas Company and not an interest in land.

8.03 From and after the date hereof, Hydro shall not sell or mortgage the Land or any part thereof or interest therein except:

- (a) subject to the terms of this Licence; and
- (b) after giving the purchaser or mortgagee express written notice of the rights and interests of the Gas Company under this Licence.

In the case of any sale by Hydro of the Land or any part thereof or interest therein, Hydro shall cause the purchaser to enter into an agreement with the Gas Company to assume and perform the obligations of Hydro under this licence, to the extent of the Land or interest sold.

9.0 CANCELLATION

9.01 In the event that the Gas Company ceases, for a period of twenty-four (24) consecutive months, to operate the Gas Facilities within the Licenced Area or any portion thereof, that portion of the Gas Facilities and Licenced Area no longer used will be and be deemed to be abandoned by the Gas Company for the purposes of this Licence; provided however that Hydro, acting reasonably, may extend the time period of twenty-four (24) months for such period as the Gas Company may propose to temporarily decommission the Gas Facilities in the Licenced Area if the Gas Company:

- (a) is not in default hereunder and for as long as the Gas Company performs each and every obligation hereunder;

- (b) provides Hydro with evidence to the reasonable satisfaction of Hydro that the Gas Company has taken all necessary measures to ensure the safety of its Works;
- (c) delivers to Hydro such documents and assurances which verify the period of proposed decommissioning of the Gas Facilities in the Licenced Area as Hydro may reasonably require.

9.02 Hydro may, on thirty (30) days written notice to the Gas Company, cancel this Licence and the rights herein granted, as to the Licenced Area or such portion of the Licenced Area abandoned pursuant to paragraph 9.01 herein or otherwise abandoned in accordance with the Utilities Commission Act.

9.03 One year after the expiration or cancellation of this Licence in whole or in part, any improvements or fixtures that remain unremoved from the Licenced Area or such part thereof as may be the subject of cancellation, shall be absolutely forfeited to and shall become the property of Hydro, and Hydro may remove them from the Land and the Gas Company shall on demand compensate Hydro for all costs incurred by Hydro respecting their removal.

9.04 The Gas Company shall not be entitled to any compensation whether for damages or otherwise in respect of any cancellation of this Licence by Hydro in accordance with this Agreement.

10.0 LIENS AND ENCUMBRANCES

10.01 The Gas Company shall cause to be discharged any lien, encumbrance or charge upon the Land which arises out of the use of the Land by the Gas Company, its contractors, subcontractors, agents, licensees and invitees, or results from the Gas Operations. If the Gas Company shall fail to do so within 30 days after the date the Gas Company first has knowledge of such liens, encumbrances or charges, Hydro may, at the expense of the Gas Company, cause any and all such liens, encumbrances and charges (which shall for the purposes hereof include any claim of lien) to be removed from the Land, and the Gas Company shall indemnify and save Hydro harmless from and against all losses, judgments, decrees and costs (including lawyer's fees and expenses on a solicitor and client basis) in connection therewith and shall promptly pay to Hydro upon demand, all amounts paid by Hydro, including all penalties, fines, interest, costs and expenses.

11.0 SPECIAL PROVISIONS

11.01 The Gas Company covenants and agrees with Hydro to comply with such rules and procedures regulating the use and administration of the Land as Hydro may adopt from time to time in accordance with paragraph 7.01(g) of the Real Property Operating Agreement.

11.02 Without in any way limiting Hydro's rights under Article 7, the Gas Company expressly acknowledges that Hydro:

- (a) has entered into an agreement with British Columbia Telephone Company (BCTC) as of the 1st day of January 1971 concerning jointly-owned and jointly-used poles, some of which are located on the Land. The Gas Company

recognizes that Hydro's obligations to BCTC relative to the Land require reasonable access to the Land for the purpose of maintenance and operation of BCTC's business; and

- (b) has entered into or will enter into an agreement with the purchaser of Hydro's rail freight operations in the Lower Mainland and Fraser Valley concerning the operation of a railway on the Land.

12.0 NOTICES

12.01 Any notice or other communication provided for herein or to be given hereunder to a party hereto shall be in writing and shall either be delivered, mailed by prepaid registered mail, return receipt requested, or sent by telecopier, to the intended recipient at its address or telecopier number indicated below:

- (a) to the Gas Company:

B.C. Gas Inc.
P.O. Box 12503
23rd Floor, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3
Attention: Secretary

Telecopier Number: (604)661-9614

- (b) to Hydro:

British Columbia Hydro and Power Authority
970 Burrard St.
Vancouver, B.C., V6Z 1Y3
Attention: The Comptroller

Telecopier Number: (604)663-3432

or at such other address or telecopier facility in Canada with respect to a party as such party shall notify the other in writing

as above provided. All notices shall be deemed given upon actual receipt or upon the expiry of 5 business days following the date of mailing as provided for above, whichever shall occur earlier; provided, however, that during an interruption of postal service, notice shall not be deemed to have been given until delivered or telecopied as aforesaid.

13. MISCELLANEOUS

13.01 The provisions of paragraph 12.02 and Articles 5, 6, 13, 15, 16, 21, 23, 24, 26, 27 and 28 of the Real Property Operating Agreement are hereby incorporated herein and made expressly applicable to this Licence, mutatis mutandis.

13.02 The failure of either of the parties hereto to insist upon performance of any covenant or condition contained in this agreement or to exercise any right or option hereunder shall not be construed to be or operate as a waiver, or relinquishment for the future, of any such covenant, condition, right or option, and no consent or approval required hereunder or waiver shall be inferred from or implied by anything done or omitted by any of the parties hereto save only by an express consent, approval or waiver in writing signed by the authorized signatories of Hydro, or of the Gas Company, as the case may be.

13.03 No remedy conferred upon or reserved to Hydro is exclusive of any other remedy herein or provided by law, but such remedy shall be cumulative and shall be in addition to any other remedy herein or hereafter existing at law, in equity, or by statute.

13.04 The Gas Company acknowledges and agrees with Hydro that any interference with the rights of the Gas Company under this Licence by virtue of the exercise or operation by Hydro of the rights, privileges or interests:

- (a) described in paragraph 4.01(1) herein shall not constitute a breach of Hydro's obligations hereunder and the Gas Company releases and discharges Hydro from and against any claim for loss or damage arising directly or indirectly out of any such interference; and
- (b) (subject to Article 15 of the Real Property Operating Agreement and compliance by Hydro with paragraph 13.13 of the Real Property Operating Agreement) described in paragraph 7 herein shall not constitute a breach of Hydro's obligations hereunder and the Gas Company releases and discharges Hydro from and against any claim for loss or damage arising directly or indirectly out of any such interference and all costs and expenses, whether direct or indirect, that arise out of any interference by the Gas Company with the lawful exercise by Hydro of such rights, privileges and interests, shall be borne solely by the Gas Company.

13.05 This agreement shall be binding upon and enure to the benefit of Hydro's successors and assigns, and in the case of the Gas Company, the successors, receivers, trustees, liquidators or any other legal representatives and permitted assigns of the Gas Company.

13.06 Time is of the essence in this Agreement.

13.07 In the case of indemnities given to the Gas Company by Hydro pursuant to paragraph 13.01 herein, such indemnity is subject to the provisions of the Hydro and Power Authority Act, R.S.B.C. 1979, chapter 188, as amended and the regulations thereunder, and to the prior approval of the Lieutenant Governor-in-Council pursuant to the Financial Administration Act, R.S.B.C. 1981, chapter 15, as amended and the regulations thereunder, (the "Financial Administration Act"), and in the case

of indemnities given to Hydro by the Gas Company pursuant to paragraphs 10.01, 13.01 and 13.04 herein, each indemnity is subject to the prior approval of the Lieutenant Governor-in-Council pursuant to the provisions of the Financial Administration Act.

14.0 INTERPRETATION

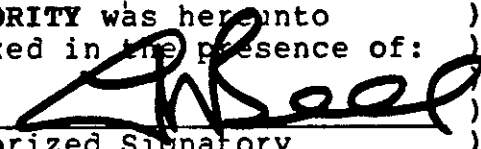
14.01 In this Licence, unless the context otherwise requires, the singular includes the plural and the masculine includes the feminine gender and a corporation.

14.02 This agreement shall be governed by and construed and enforced in accordance with the laws of the Province of British Columbia and the laws of Canada which may be applicable to a party in the Province of British Columbia.

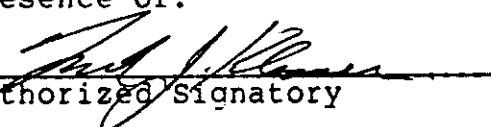
14.03 Should any term or condition of this agreement be or become illegal or not enforceable it shall be considered separate and severable from this agreement and the remaining terms and conditions of this agreement shall remain in force and be binding upon the parties hereto as though such term or condition had never been included.

14.04 Upon execution by the parties, this Agreement shall replace and supercede the Central Park Corridor Licence made as of July 15, 1988.

IN WITNESS WHEREOF the parties have executed this
licence as of the day and year first above written.

THE COMMON SEAL OF BRITISH)
COLUMBIA HYDRO AND POWER)
AUTHORITY was hereunto)
affixed in the presence of:)
)
Authorized Signatory)

C/S

THE COMMON SEAL OF)
B.C. GAS INC. was)
hereunto affixed in the)
presence of:)
)
Authorized Signatory)

C/S

WPD-H/MG/1-1

SCHEDULE "A"

(LEGAL DESCRIPTIONS OF REAL PROPERTY TO BE LICENCED WILL BE
INSERTED.)

WPD-H/MG1-1

DATED: the ____ day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

AMENDED AND RESTATED
FRASER VALLEY
RAIL CORRIDOR LICENCE AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-H/MG/1-1

File No. 1166/9

Please refer to separate binder entitled:

"HYDRO SERVICES AGREEMENT"
(Amended and Restated)

**AMENDED AND RESTATED
MICROWAVE AGREEMENT**

THIS AGREEMENT made as of the 29th day of September, 1988 is an amendment and re-statement of an agreement made as of July 15, 1988 between the parties noted below.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a Crown corporation continued pursuant to the provisions of the Hydro and Power Authority Act, R.S.B.C. 1979, c. 188, having its principal place of business at 970 Burrard Street, City of Vancouver, Province of British Columbia

(herein called "Hydro")

AND:

OF THE FIRST PART

B.C. GAS INC., a body corporate under the laws of the Province of British Columbia, having its registered office at 2800 - 595 Burrard Street, City of Vancouver, Province of British Columbia

(herein called the "Company")

OF THE SECOND PART

W H E R E A S:

A. By separate agreement made as of the 15th day of July, 1988 (the "Asset Transfer Agreement"), Hydro agreed to sell to the Company and the Company agreed to purchase from Hydro certain of the assets of its gas utility business (the "Business"), upon the terms more specifically set out therein;

B. For the purposes of this Agreement, all capitalized words herein shall have the same meaning given to those words in the Asset Transfer Agreement, unless otherwise defined herein;

C. Hydro has been licensed by the Government of Canada Department of Communications to operate a microwave system committed to the protection and control of Hydro's undertaking;

D. The Company has requested that Hydro permit it access and occupation of a portion of Hydro's Sumas Mountain and Burnaby Mountain microwave areas; and

E. By agreement entitled the Circuit Agreement made as of the 15th day of July, 1988 between the parties hereto, the Company has made alternative arrangements for the provision of microwave circuits.

NOW THEREFORE THIS AGREEMENT WITNESSES that in consideration of the money hereinafter referred and of the mutual covenants and agreements herein contained, the parties hereto mutually covenant and agree that:

1.0 PERMISSION TO OCCUPY - SUMAS MOUNTAIN MICROWAVE AREA

1.01 Hydro hereby acknowledges that it is the holder of Park Use Permit No. 722 (the "Permit") granted by Her Majesty the Queen in the Right of the Province of British Columbia for microwave purposes at the Sumas Mountain microwave area. The Permit is for a term of ten (10) years from June 1, 1986 to May 31, 1996.

1.02 Subject to the limitations contained in paragraph 2.03 herein, Hydro hereby grants to the Company permission to occupy the Sumas Mountain microwave area governed by the Permit, provided that the permitted use by the Company relates solely to the placement, operation and maintenance of electronic signal transmission devices and associated wiring and antenna gear. The permission to occupy is subject to all conditions contained in the Permit.

1.03 The permission to occupy granted hereunder shall be limited to portions of the Hydro Trailer or such substituted facility, described as three (3) floor rack spaces measuring 20" x 24" x 72" high within the Hydro Trailer, and space on the antenna tower or such substituted facility, for the attaching of the Company's antenna, together with reasonable access thereto, all as situated within the existing microwave area pursuant to the Permit. The location of the space on the antenna tower shall be approved by Hydro's System Operations and Maintenance Division Staff.

1.04 Access and occupation by the Company shall be subject to the requirements, rules or orders of the Government of Canada Department of Communications and subject to the consent of the Ministry of Environment and Parks pursuant to the Permit. Hydro shall provide its utmost cooperation to assist the Company in obtaining any such rules, orders or consents.

**2.0 PERMISSION TO OCCUPY -
BURNABY MOUNTAIN MICROWAVE AREA**

2.01 Hydro hereby acknowledges that in October 1966, it entered into a lease agreement (the "Lease") with Simon Fraser University with respect to the lease of certain land, property and appurtenances on Burnaby Mountain for microwave purposes. The Lease expires on December 31, 1991.

2.02 Subject to the limitations contained in paragraph 3.03 herein, Hydro hereby grants to the Company permission to occupy the Burnaby Mountain microwave area governed by the Lease, provided that the permitted use by the Company relates solely to the placement, operation and maintenance of electronic signal transmission devices and associated wiring and antenna gear. The permission to occupy is subject to all conditions contained in the Lease.

2.03 The permission to occupy granted hereunder shall be limited to portions of the Hydro VHF Room or such substituted facility, described as three (3) floor rack spaces measuring 20" x 24" x 72" high within the Hydro VHF Room, and space on the antenna decks or such substituted facility, for the affixing of the Company's antenna, together with reasonable access thereto, all as situated within the existing area leased by Hydro from Simon Fraser University. The location of the space on the antenna decks shall be approved by Hydro's System Operations and Maintenance Division Staff.

2.04 Access and occupation by the Company shall be subject to the requirements, rules or orders of the Department of Communications and subject to the consent of Simon Fraser University pursuant to the Lease. Hydro shall provide its utmost cooperation to assist the Company in obtaining any such rules, orders or consents.

2.05 Access of Burnaby Mountain will be provided to the Company between 0800 to 1600 hours Monday to Friday, excluding statutory holidays. If the Company requires access at times and/or days other than the above, the Company will be charged at Hydro's overtime rates with a minimum charge of 2.5 hours. The terms and conditions of the applicable collective agreement will apply and form part of the charges to be paid by the Company. These charges will be in addition to any annual rental payments described in paragraph 3.01(b) herein.

2.06 The Sumas Mountain microwave area pursuant to the Permit and the Burnaby Mountain microwave area pursuant to the Lease are hereinafter collectively referred to as the "Microwave Areas".

3.0 PAYMENT OF RENT

3.01 As consideration for the permissions to occupy granted hereunder, the Company hereby covenants and agrees to pay to Hydro the following rent:

- (a) with respect to the Sumas Mountain microwave area, rent of \$1,200 per year payable annually in advance during the term of this Agreement, the first payment to be made on the first day of the commencement of the term and thereafter on the first day of April of each succeeding year throughout the term of this Agreement; and
- (b) with respect to the Burnaby Mountain microwave area, rent of \$4,800 per year payable annually in advance during the term of this Agreement, the first payment to be made on the first day of the commencement of the term and thereafter on the first day of April of each succeeding year throughout the term of this Agreement.

3.02 Hydro hereby acknowledges that the payments referred to in 3.01(a) and (b) above represent only the recovery of operating costs by Hydro for maintenance of the Microwave Areas in connection with the Business.

3.03 The Company will pay interest to Hydro on any and all overdue amounts at the rate of interest of 1.5% per month (equivalent to 19.6% per annum compounded monthly) payable to Hydro on the last day of each month.

4.0 APPROVED EMPLOYEES

 In causing the antennas and transmission lines to be mounted on the tower and antenna decks, the Company will not

employ any person who is not approved in writing, in advance by Hydro, to enter upon or climb the tower and antenna decks for purposes of mounting and maintaining the antennas and lines.

5.0 ELECTRIC POWER

Hydro hereby agrees to supply to the Company interruptible electric power to the Microwave Areas in an amount not exceeding 1500 W.

6.0 EMERGENCIES

6.01 In the event that the Company's equipment causes substantial interference with any of Hydro's equipment, Hydro reserves the right to require a shutdown of the Company's equipment until the problem has been resolved. Hydro will immediately advise the Company of any such shutdowns.

6.02 In the event of an emergency, Hydro may take whatever action may be necessary to rectify such emergency, including to the extent necessary and upon immediately advising the Company, disconnecting power to Company equipment.

7.0 LIABILITY AND INDEMNITY

7.01 Hydro, its employees or agents, will not be liable for any injury, including death, to the person of any employee or agent of the Company or for the loss of or damage to the property of the Company, or any of the employees or agents of the Company, that is caused in any way by Hydro's performance of this Agreement unless the injury, loss, or damage is caused by a grossly negligent act or omission of an employee or agent of Hydro or acting within the scope of his employment with Hydro.

7.02 Hydro, its employees or agents, will not be liable to the Company for any loss of revenue or profits or other indirect, consequential or financial loss that is caused in any way by Hydro's performance of this Agreement, whether such loss is caused by an act or omission of Hydro, its employees or agents, later found to be negligent or otherwise.

7.03 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the Company will at all times indemnify and save harmless Hydro, its employees and agents from and against all claims, demands, losses, costs, damages, actions, suits or other proceedings made, sustained, brought or prosecuted that are based upon, or caused in any way by act or omission by any of the employees or agents of Hydro on or near the Microwave Areas, unless such act or omission was grossly negligent.

8.0 TERM

8.01 With respect to the Burnaby Mountain microwave area, the term of this Agreement shall be five (5) years, commencing on April 1, 1990 or, subject to written confirmation from the Government of Canada Department of Communications obtained pursuant to paragraph 10.0 of the Circuit Agreement, April 1, 1991 and terminating, subject to Hydro extending or renewing the Lease, on March 31, 1995, or March 31, 1996, as the case may be, at which time this Agreement shall be of no further force or effect.

8.02 With respect to the Sumas Mountain microwave area, the term of this Agreement shall be five (5) years commencing on April 1, 1990 or, subject to written confirmation from the Government of Canada Department of Communications obtained pursuant to paragraph 10.0 of the Circuit Agreement, April 1, 1991 and terminating on March 31, 1995 or March 31, 1996, as the case may be, at which time this Agreement shall be of no further force or effect.

8.03 The Company may, on thirty (30) days notice to Hydro, terminate this Agreement with respect to either the Burnaby Mountain microwave area, the Sumas Mountain microwave area, or both.

9.0 DISPUTE LIMITATION

9.01 A party shall not commence any legal proceedings against the other party in respect to the interpretation or enforcement of this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party, following which either party shall have the right to submit any dispute, with the other party, arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment thereof, and the decision of the arbitration panel shall be final and binding.

9.02 Subject to paragraph 9.03, notwithstanding any statutory limitation to the contrary, a party shall not commence any action, arbitration or other proceeding between the parties after the expiry of a period of two (2) years after the Services were provided.

9.03 Paragraph 9.02 shall not apply in respect of any action or other proceeding commenced by any third party, other than a company affiliated with or related to the Company, against the Company for which, but for the provisions of paragraph 9.02, the Company would have recourse against Hydro.

10.0 NOTICES

Any notice, report or other document that either party may be required or may desire to give to the other party shall be in writing, unless otherwise specified herein, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex, or facsimile copier, when received:

(a) if to the Company:

B.C. Gas Inc.
#2300, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: Secretary

(b) if to Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

or at such other address as either party may from time to time designate by notice in writing to the other.

11.0 GENERAL PROVISIONS

11.01 This Agreement constitutes the entire agreement between the parties and there are no representations or warranties, express or implied, statutory or otherwise, and no agreement or agreements collateral hereto other than as expressly set forth or referred to herein.

11.02 At any time during this Agreement, the parties may execute and deliver any instrument or agreement modifying or supplementing this Agreement, which thereafter shall form part hereof.

11.03 Time is expressly declared by each of the parties hereto to be of the essence of this Agreement and each of the terms and conditions of this Agreement.

11.04 The parties will do such reasonable acts and things and execute and deliver such further and other documents and


assurances as may be reasonably required for the purposes of carrying out the true meaning and intent of this Agreement and, in particular, Hydro hereby agrees to execute such form of consent as may be required by the Ministry of Environment and Parks of the Province of British Columbia and/or Simon Fraser University.

11.05 This Agreement shall be governed by and construed in accordance with the laws of the Province of British Columbia and the laws of Canada where applicable.


11.06 This Agreement will enure to the benefit of and be binding upon the parties hereto and their heirs, executors, administrators, successors and assigns.

11.07 Upon execution by the parties, this Agreement replaces and supercedes the prior Agreement made as of the 15th day of July, 1988 between the parties.

IN WITNESS WHEREOF the parties hereto have duly executed this Agreement as of the day and year first above written.

THE COMMON SEAL OF BRITISH)
COLUMBIA HYDRO AND POWER)
AUTHORITY was hereunto)
affixed in the presence of:)
)
Authorized Signatory)

C/S

THE COMMON SEAL OF B.C. GAS)
INC. was hereunto affixed)
in the presence of:)
)
Authorized Signatory)

C/S

DATED: the 29th day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY

AND:

B.C. GAS INC.

AMENDED AND RESTATED
MICROWAVE AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-DRJ/36-3

File No. 1166/9

**AMENDED AND RESTATED
REAL PROPERTY OPERATING AGREEMENT**

THIS AGREEMENT made as of the 29th day of September, 1988 is an amendment and re-statement of an agreement made as of July 15, 1988 between the parties noted below.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, Chapter 188, as amended, of 970 Burrard Street, in the City of Vancouver, in the Province of British Columbia, V6Z 1Y3

("Hydro")

OF THE FIRST PART

AND:

B.C. GAS INC. (formerly known as 74280 B.C. Ltd.), a body corporate under the laws of the Province of British Columbia, having its registered office at 2800 - 595 Burrard Street, Vancouver, British Columbia, V7X 1J5

(the "Gas Company")

OF THE SECOND PART

WHEREAS:

A. Hydro is engaged in, among other things, the operation of the Electric Utility as defined below and the Gas Company is engaged in, among other things, the operation of the Gas Utility as defined below;

B. Pursuant to the Asset Transfer Agreement dated July 15, 1988 made between the parties, as amended by an agreement dated September 29, 1988 between the parties, Hydro sold and the Gas Company purchased all of the assets of the Gas Utility as it existed as at July 16, 1988, subject to certain liabilities which will continue and obligations which will be performed by each of

Hydro and the Gas Company and as between each of the parties hereto on an ongoing basis, subject to compliance with the Utilities Commission Act or any order made pursuant to that Act.

NOW THEREFORE in consideration of the premises and of the mutual covenants and agreements contained herein, the parties agree as follows:

PART I
DEFINITIONS

1.0 DEFINITIONS

1.01 In this Agreement:

(a) **"Apportioned Taxes"** means those Taxes determined to be payable by the Gas Company pursuant to paragraph 20.04;

(b) **"Authorized Parties"** means those third parties:

(i) already in receipt of rights from Hydro; and

(ii) in the future given rights by Hydro, in compliance with this agreement;

in respect of any Common Right of Way Area, of whom disclosure to the Gas Company has been made pursuant to Article 15;

(c) **"Central Park Corridor"** means those parcels of land owned by Hydro in fee simple comprising a corridor of land between Rupert Street in Vancouver and 16th Street at Edmonds Street in Burnaby;

- (d) **"Central Park Corridor Licence"** means the licence granted to the Gas Company on and under parts of the Central Park Corridor;
- (e) **"Common Right of Way"** means:
 - (i) a Statutory Right of Way or common law easement granted to, acquired or held by Hydro, granting to Hydro the rights to use a Right of Way Area for Works of the Gas Company and Works of Hydro or for the transmission or distribution, or both, of electric energy and natural gas, which Statutory Right of Way shall have been assigned in common to Hydro and the Gas Company;
 - (ii) a Statutory Right of Way granted or assigned to the Gas Company over land held in fee by Hydro;
 - (iii) a lease, licence or other right or interest granted to the Gas Company by Hydro over land held in fee by Hydro including without limitation, the Central Park Corridor Licence and the Fraser Valley Rail Corridor Licence; and
 - (iv) a Statutory Right of Way, lease, licence or other right or interest granted to, acquired or held by Hydro over which Right of Way Area, or portion thereof, Hydro has granted or assigned to the Gas Company a licence or other right or interest to transmit or distribute, or both, natural gas;
- (f) **"Common Right of Way Agreement"**, in respect of any particular Common Right of Way:

(i) under paragraphs 1.01(e)(i), (ii) or (iii) means that agreement, licence or other instrument granting or otherwise creating the Common Right of Way; and

(ii) under paragraph 1.01(e)(iv) means those agreements, licences or other instruments creating the rights of the parties in the Common Right of Way,

and governing the legal rights to build, maintain and use Works on the Common Right of Way Area defined therein;

(g) "Common Right of Way Area" means the Right of Way Area or Areas defined pursuant to a Common Right of Way Agreement or Agreements and for the purposes of this agreement, shall be deemed to include Intersecting Right of Way Areas;

(h) "Contiguous Right of Way Areas" means parallel Right of Way Areas, having common boundaries, defined and governed by Statutory Right of Way agreements conferring different rights as to the nature of the form of energy that may be carried within such Right of Way Areas;

(i) "Electric Right of Way" means any right or interest held by Hydro, including but not limited to interests in land or contractual or statutory rights, whether registered or unregistered, authorizing the installation, construction, expansion, maintenance and operation of the Works of Hydro and all for the purposes of the transmission or distribution, or both, of electric energy, and for communication and aircraft warning purposes, or the operation of the Electric Utility;

- (j) **"Electric Utility"** means the electric energy production, transmission and distribution system owned and operated from time to time by Hydro in British Columbia;
- (k) **"Fraser Valley Rail Corridor"** means those parcels of land owned by Hydro in fee simple comprising a corridor of land (including public roadways) between Chilliwack and the eastern end of the Fraser River railway bridge;
- (l) **"Fraser Valley Rail Corridor Licence"** means the licence granted to the Gas Company on and under parts of the Fraser Valley Rail Corridor;
- (m) **"Gas Right of Way"** means:
 - (i) a Statutory Right of Way granted to Hydro by the registered owner of land other than Hydro, and assigned by Hydro to the Gas Company for its sole use; and
 - (ii) any Statutory Right of Way, lease, licence or other right or interest granted to the Gas Company by a party other than Hydro;authorizing installation, construction, expansion, maintenance and operation of the Works of the Gas Company on or under a Right of Way Area, all for the purposes of the transmission or distribution, or both, of natural gas, or the operation of the Gas Utility;
- (n) **"Gas Utility"** means the business comprising those natural gas operations, including all pipelines, storage facilities and other facilities and works constructed or

acquired by Hydro or its predecessors and operated by the Gas Company in the Lower Mainland and Fraser Valley, British Columbia, as at July 16, 1988, together with Works constructed, acquired and operated by the Gas Company after July 16, 1988;

- (o) **"Intersecting Right of Way Areas"** means the areas at which a Gas Right of Way overlaps or intersects with an Electric Right of Way;
- (p) **"Property Manager"** means, in the case of Hydro, the Manager of Hydro's "Properties Division" or such other person as Hydro may from time to time designate by notice in writing to the Gas Company, and, in the case of the Gas Company, the person authorized by the Gas Company to administer the real property of the Gas Company, or such other person as the Gas Company may from time to time designate by notice in writing to Hydro;
- (q) **"Right of Way Area"** means the corridor of land, which is the subject of any combination of underground, surface and/or overhead rights for the construction and operation of the parties' respective Works created and defined by a Statutory Right of Way agreement or a Common Right of Way Agreement;
- (r) **"Statutory Right of Way"** shall have the meaning given by the Land Title Act, R.S.B.C. 1979, chapter 219, as amended and shall include any expanded meaning arising out of Section 8 of the Hydro and Power Authority Privatization Act, proclaimed July 15, 1988;

(s) **"Taxes"** means:

(i) all taxes, duties, assessments, rates and other charges, general and special, municipal and school, hospital taxes and local improvement rates and all governmental or other impositions, general, special, ordinary or extraordinary of every kind and nature whatsoever including payments in lieu thereof, levied or imposed in respect of any Common Right of Way Area or any Works thereon, or made or assessed as a substitute for, or as an addition to, any other property taxes or local improvement tax; and

(ii) all utilities, business and other taxes, rates, duties, licence fees, charges and assessments which may be levied, charged, rates or assessed by any taxing authority or payments made in lieu thereof, in respect of the business or the activities carried on, upon or in connection with any Common Right of Way Area, or the leasing, occupation or use thereof, and in respect of any and all personal property now or hereafter in, on or forming part of any Common Right of Way;

(t) **"Utilities Commission Act"** means the Utilities Commission Act, S.B.C. 1980, chapter 60, amendments thereto and regulations prescribed thereunder and all legislation enacted in replacement thereof from time to time;

(u) "Works" means:

(i) in the case of Hydro:

(A) towers and poles with anchors, guy wires, brackets, crossarms, insulators, transformers and their several attachments and one or more lines of wire; and

(B) one or more underground conduits, whether or not encased by concrete or other protective material, and cables with all necessary attachments and fittings, aboveground or underground transformers, and switchgears,

together with any ancillary or related equipment and devices now existing or from time to time constructed, installed or operated by Hydro or third parties authorized by Hydro for the transmission or distribution, or both, of electric energy and for communication and aircraft warning purposes; and

(ii) in the case of the Gas Company, pipelines or facilities of the Gas Company, whether aboveground or underground, which without limiting the generality of the foregoing, may include, gas storage facilities, valves, gas pressure regulator stations, muster stations, compressors, measurement stations, meters, markers, appliances, fittings, devices for controlling corrosion, existing, installed or being operated by the Gas Company as at July 16, 1988 and including such modified or expanded Works as may be approved from time to

time in accordance with this agreement, all for use in connection with such pipeline or lines, for the transmission or distribution, or both, of natural gas.

1.02 SCHEDULES

- (a) Schedule 1 **General Safety Standards**
- (b) Schedule 2 **General Engineering Standards**
- (c) Schedule 3 **Internal Operating Procedures**
- (d) Schedule 4 **External Request Operating Procedures**

PART II

USE OF SHARED RIGHTS OF WAY AND REAL PROPERTY INTERESTS

2.0 SHARED REAL PROPERTY

2.01 In the case of any Common Right of Way:

- (a) Hydro shall, at its own expense, exercise its rights thereunder solely to excavate for and to construct, erect, string or otherwise install, operate, maintain, remove and replace its Works for the purposes of transmission or distribution, or both, of electric energy or for communication and aircraft warning purposes and for all purposes incidental or ancillary to any of the foregoing;
- (b) The Gas Company shall, at its own expense, exercise its rights thereunder solely to excavate for, install, operate, maintain, remove and replace its Works for the

purposes of transmission or distribution, or both, of natural gas, and for all purposes incidental or ancillary to any of the foregoing;

- (c) Subject to Articles 15 and 31, the rights contained in any Common Right of Way Agreement shall not be used by persons other than the parties hereto and their respective employees and contractors.

2.02 Subject to Articles 13, 14 and 15 herein, any Common Right of Way Area shall be used and occupied by Hydro and the Gas Company, and the rights granted pursuant to such Common Right of Way shall be exercised by Hydro and the Gas Company, for the purposes set out in paragraphs 2.01(a) and 2.01(b), respectively and for no other purpose whatsoever except with the prior written consent of the other party hereto, such consent not to be unreasonably withheld, and then only upon such reasonable additional terms and conditions as may be stipulated by such other party.

2.03 Each party hereto shall, upon every request from the other party from time to time, deliver to the other party reasonably detailed engineering drawings showing the location of its Works, particulars of any crossing or other rights given to third parties and a reasonably detailed statement of its prospective future Works.

3.0 CONTIGUOUS REAL PROPERTY

3.01 In the case of Contiguous Right of Way Areas:

- (a) neither party shall enter onto the Right of Way Area of the other party for any reason whatsoever including the use of such Right of Way Area for a staging area,

access, working space or otherwise, to construct, operate, maintain, replace, change or remove its Works within its own Right of Way Area, unless such party has strictly complied with Paragraph 3.02 and the reasonable requirements of the other party.

- (b) neither party shall do or allow to be done anything on its own Right of Way Area which materially interferes with the operation of the Works of the other party.

3.02 If it becomes necessary for either party to enter onto the other party's Right of Way Area relating to any of the Contiguous Right of Way Areas for staging areas, access, working space, construction, reconstruction, alteration, repair, maintenance, removal, operation or replacing of its Works, that party shall, in addition to compliance with Article 23, strictly comply with the safety, engineering and statutory requirements and standards set out in Articles 5, 6 and 7 herein, mutatis mutandis.

4.0 CENTRAL PARK CORRIDOR AND FRASER VALLEY RAIL CORRIDOR

4.01 This agreement shall apply to the Central Park Corridor Licence and the Fraser Valley Rail Corridor Licence so long as those Licences remain in effect.

PART III

OPERATING COVENANTS

5.0 SAFETY STANDARDS

5.01 Each party shall, at all times, abide by and strictly comply with its own standard operating procedures, as they may

be amended from time to time, the safety standards, if any, set out in Schedule 1 attached hereto, and all amendments and additions which may be agreed to in writing by the parties from time to time, and all further and other requirements and conditions imposed by any authority having competent jurisdiction over a party and having application to such party. Each party shall promptly advise the other party and all affected Authorized Parties of all such further and other requirements and conditions.

6.0 ENGINEERING STANDARDS

6.01 Each party shall, at all times, abide by and strictly comply with its own standard operating procedures, as they may be amended from time to time, the engineering standards, if any, set out in Schedule 2 attached hereto, and all amendments and additions which may be agreed to in writing by the parties from time to time, and all further and other requirements and conditions imposed by any authority having competent jurisdiction over a party and having application to such party. Each party shall promptly advise the other party and all affected Authorized Parties of all such further and other requirements and conditions.

7.0 COMPLIANCE WITH RULES AND STATUTES

7.01 Each of Hydro and the Gas Company shall:

(a) not carry on nor do or permit anything to be done in or about any Common Right of Way Area that obstructs or materially interferes with or disturbs:

(i) the Works of the other party;

- (ii) the works of Authorized Parties located on the Common Right of Way Area and disclosed pursuant to Article 15; or
- (iii) the rights of Authorized Parties, disclosed pursuant to Article 15, or the rights of the other party occupying such Common Right of Way Area;
- (b) not carry on nor do or permit anything to be done on, under or over any Common Right of Way Area which causes a nuisance to third parties occupying property adjacent to any Right of Way Area;
- (c) not use any apparatus, machinery or device other than its Works in or about the Common Right of Way Area which shall cause any material interference with the Works of the other party or the works of Authorized Parties disclosed pursuant to Article 15;
- (d) give the other party prompt notice of any damage to any Common Right of Way Area or Contiguous Right of Way Areas or to any of the Works therein or thereon upon such damage becoming known to that party;
- (e) attend to the removal of its own refuse and waste material from each Common Right of Way Area or Contiguous Right of Way Areas at frequent intervals, and shall not keep nor leave any refuse or waste material on any such Right of Way Area except as may be otherwise agreed in writing by the parties hereto;
- (f) assume the sole responsibility for the condition, operation, maintenance and management of its own Works on any Common Right of Way Area and the use of any

Common Right of Way Area or the Contiguous Right of Way Areas by its employees, agents, contractors and permittees, except as otherwise herein provided;

- (g) comply with such reasonable rules and procedures regulating the use and administration of the Common Right of Way Area or Areas as Hydro may reasonably adopt from time to time after consultation with the Gas Company and having given reasonable consideration to the views of the Gas Company;
- (h) not authorize any action or activity by the registered owner of the fee of lands encumbered by a Common Right of Way Agreement of a nature and kind defined in paragraph 1.01(e)(i) that might reasonably be expected to interfere with, have an adverse effect upon or constitute a nuisance to the Works of the other party;
- (i) not do any act or permit to be done any act in a Common Right of Way Area that exceeds or abuses the rights and powers provided under the applicable Common Right of Way Agreement or under Statutory Right of Way agreements or other rights or interests to the extent they create Intersecting Right of Way Areas; and
- (j) comply with and cause the employees and contractors of that party to comply with rules and standards, if any, adopted by the parties from time to time, acting in concert, concerning the use of the rights contained in any Common Right of Way Agreement.

7.02 Each party hereto agrees that it shall comply promptly at its own expense with all laws, statutes, ordinances, regulations, requirements and recommendations now in force or which may hereafter be enacted or promulgated which may be

applicable to the party or its Works or to the manner of use of the Right of Way Area.

7.03 The parties hereby agree that Hydro shall stand released from any liability under paragraphs 7.01(a), 7.01(b) and 7.01(i) for any actions of Authorized Parties granted rights after July 15, 1988, to the extent that the agreement given by such Authorized Party in favour of the Gas Company under paragraph 13.13(b) gives the Gas Company a direct right of action against such Authorized Party.

8.0 ANCILLARY RIGHTS

8.01 Each party shall, upon request by the other party cooperate to release ancillary rights which may be unnecessary and inapplicable to both of the parties hereto, and which may be contained in any Statutory Right of Way agreement included in the category of documents defined in paragraph 1.01(e)(i) as a Common Right of Way Agreement.

9.0 ENCROACHMENTS

9.01 If either party shall have actual knowledge of a trespass or an encroachment by a third party of buildings or other works on, or in respect to, the Works of the other party on any Common Right of Way Area or Contiguous Right of Way Areas, such party shall use reasonable efforts to notify the Property Manager of the other party to this agreement.

9.02 If either party shall receive from a third party a request for approval to maintain an encroachment on a Common Right of Way Area or Contiguous Right of Way Areas, or for direction as

to whether a contemplated land use is consistent with the terms of the Common Right of Way Agreement or other instrument under which the Right of Way Area is being held, or approval of such use, such party shall (in addition to acting upon such request in so far as its own interests are concerned), promptly refer such third party to the Property Manager of the other party to this agreement in accordance with Article 24 herein.

10.0 MAINTENANCE

10.01 Each party will maintain the surface of and control vegetation growing on any Common Right of Way Area in accordance with its own program and procedure adopted by that party from time to time, and, if a program or procedure is filed by that party with and accepted by the Utilities Commission, in accordance with that filing.

10.02 Nothing herein shall preclude the parties from entering into an agreement delegating from one party to the other the responsibility for maintenance of a Right of Way Area or any of them.

11.0 ACCESS

11.01 Either party and its employees, agents and contractors shall at all times have free access to its Works on any Common Right of Way Area, subject to the provisions of this agreement and the applicable Common Right of Way Agreement.

12.0 ENCUMBRANCES

12.01 Neither party hereto shall suffer or permit any builders lien or other lien or privilege to be filed or registered

against its interest in a Common Right of Way, or Contiguous Right of Way Areas, or any improvements or installations in or upon the Common Right of Way Area or Contiguous Right of Way Areas, by reason of any work, labour, services or materials supplied or alleged to have been supplied to that party or anyone holding any interest in any part thereof through or under that party. If any such lien shall at any time arise or be claimed, the party against whom the claim is made shall cause the same to be discharged and to be removed from the title or titles thereto in the Land Title Offices within thirty (30) days after the date that party first had knowledge thereof.

12.02 Neither party shall mortgage, charge, encumber or pledge any of its rights or interests (other than its Works) in a Common Right of Way or contained in a Common Right of Way Agreement or in this agreement without the prior written consent of the other party hereto, which consent may not be unreasonably or arbitrarily withheld by the party whose consent is requested; provided however that:

- (a) if Hydro's consent is being requested, such withholding shall not be unreasonable if Hydro's lenders refuse to approve the charging of such interests; and
- (b) Hydro or the Province of British Columbia, or both, may be granted such security without the consent of either party being required hereunder.

13.0 EXPANSION OR CHANGE OF WORKS

13.01 Subject to compliance with the Utilities Commission Act or any order thereunder, the Gas Company shall not commence any construction, reconstruction, alteration, or removal of or any additions or expansions to its Works in or upon any Common Right of Way Area or Contiguous Right of Way Areas, or any of them

(in this Article called a "Change of Works") without obtaining the prior written approval of Hydro, which approval may not be unreasonably withheld, and complying with the applicable provisions of Article 23. Such approval shall not be required in respect of routine maintenance, inspection and repairs to the Works of the Gas Company, or in respect of repairs to the Works of the Gas Company required in emergencies except in either case where excavation by the Gas Company is required or the Works of Hydro need to be de-energized to permit the safe conduct of such maintenance or repairs. Hydro shall respond to requests for approval hereunder in a timely manner in accordance with its standard practices, especially in emergencies.

13.02 In connection with obtaining Hydro's approval under paragraph 13.01, the Gas Company shall submit to Hydro a complete set of drawings and specifications describing the Works and Change of Works, and after obtaining such approval, the Gas Company shall make no material changes in such Change of Works without obtaining the further written approval of Hydro which approval may not be unreasonably withheld.

13.03 In the event that the Gas Company disputes Hydro's failure to give the approval referred to in paragraph 13.01 or paragraph 13.02, or considers that Hydro is unreasonably delaying the provision of consent, such dispute shall be submitted, subject to Article 21, to arbitration in accordance with the provisions of Article 27 hereof unless:

- (a) the parties otherwise agree;
- (b) one of the parties hereto requests the Utilities Commission to rule upon the dispute and the Utilities Commission makes or is in the process of making a determination on the merits of the issue;

- (c) the Utilities Commission itself invokes the jurisdiction of the Utilities Commission Act to rule upon the dispute and the Utilities Commission makes or is in the process of making a determination on the merits of the issue.

13.04 Before commencing any Change of Works in or upon any Common Right of Way Area, or any of the Contiguous Right of Way Areas, the Gas Company shall provide Hydro with notice thereof and details of proposed work methods and scheduling to allow Hydro, at its option to designate a person or persons (the "Representative") to observe any Change of Works done. In carrying out all such Change of Works, the Gas Company shall comply with the reasonable requirements of the Representative to safeguard Hydro's Works and rights hereunder or the works and rights of Authorized Parties, as the case may be.

13.05 In carrying out any Change of Works, the Gas Company shall not materially interfere with or obstruct any facilities or operation of Hydro or of any of the Authorized Parties disclosed pursuant to Article 15, or pose a threat to safety or the continuous operation of Hydro's Works or the works of any Authorized Parties.

13.06 In carrying out the Change of Works, the Gas Company shall not materially alter or interfere with existing drainage patterns or water courses on the Right of Way Area without Hydro's prior written approval, such approval not to be unreasonably withheld, and then only on such reasonable additional terms and conditions as may be stipulated by Hydro.

13.07 All Change of Works, including such additional work reasonably required by Hydro to allow the Change of Works to proceed, shall be carried out at the sole cost and expense of the Gas Company, unless the parties otherwise agree.

13.08 The Change of Works shall be completed in a good and workmanlike manner and with proper materials.

13.09 The Gas Company shall, at its own cost and expense, apply for and obtain all building permits, licences and other governmental permissions applicable to it and requisite to any Change of Works or work or operations in or upon any Right of Way Area during construction.

13.10 The Gas Company shall not at any time encroach onto the lands adjacent to the Right of Way Area except in the exercise of its ancillary rights and, within sixty (60) days of the completion of the Change of Works, the Gas Company shall furnish to Hydro a complete set of reasonably detailed "as built" engineering drawings showing the exact location of all improvements and installations of the Gas Company in or upon the Right of Way Area affected by the Change of Works in relation to the legal boundaries of the Right of Way Area and specifying all additions to or modifications of its Works as they existed prior to construction.

13.11 The Gas Company shall comply with all reasonable requests of Hydro to prevent or control unauthorized use and trespass on the Right of Way Area during construction.

13.12 The Gas Company shall strictly comply with any safety standards and engineering standards set out in Schedules 1 and 2 herein and any other requirements for expansion of Works as may be agreed in writing by the parties from time to time.

13.13 Subject to Paragraphs 14.01, 15.04 and 15.05:

- (a) Hydro shall at all times hereafter be at liberty to construct, install, operate and maintain Works of Hydro

on, across, over and under any Common Right of Way Area or any part or parts thereof, and to install thereon Works of Hydro and any other works for any other purposes (except works for the transmission, distribution or storage of natural gas) from time to time determined by Hydro at its discretion; provided that in so doing Hydro shall comply with paragraph 13.15;

(b) Hydro shall at all times hereafter be at liberty to permit the construction, installation, operation and maintenance of works of third parties (other than works for the transmission, distribution or storage of natural gas) on, across, over and under any Common Right of Way Area or any part or parts thereof, but only after such third parties have delivered to the Gas Company an agreement in writing executed by the third party in favour of the Gas Company, wherein such third party shall covenant in favour of the Gas Company:

(i) that any construction, installation, operation or maintenance of works of the third party on, across, over or under a Common Right of Way Area shall not materially interfere with any then existing Works of the Gas Company or the operation of such Works of the Gas Company; and

(ii) to give the Gas Company reasonable advance notice and appropriate drawings and plans of the initial construction and installation of any such works of the third party, and except in emergencies, of any subsequent maintenance, repairs, additions or expansions to such works that could materially interfere with any then existing Works of the Gas

Company or the operation of such Works of the Gas Company,

together with a legal opinion or other reasonable evidence that such agreement is legally binding on the third party.

13.14 Hydro agrees to provide the Gas Company with a complete set of reasonably detailed "as built" drawings showing the exact location of all improvements and installations of Hydro in or upon the Right of Way Area affected by alterations, additions to or expansions of its Works which affect the Gas Company within sixty (60) days of the completion of such alterations, additions or expansions, and Hydro shall endeavour to provide similar "as built" drawings for alterations, additions or expansions of the works of any Authorized Parties which affect the Gas Company.

13.15 In the exercise of any of the rights of Hydro to construct, install, maintain and operate Works of Hydro or other works of Hydro on, across, over or under a Common Right of Way Area or any part or parts thereof, and in the exercise of any other rights of Hydro relating to a Common Right of Way Area, whether derived from this agreement or any Common Right of Way Agreement or Electric Right of Way or otherwise:

- (i) Hydro shall not materially interfere with any then existing Works of the Gas Company or the operation of such Works of the Gas Company; and
- (ii) Hydro shall give to the Gas Company reasonable advance notice of the initial construction and installation of any such Works or other works of Hydro and except in emergencies, of any subsequent maintenance, repairs, additions or expansions to

those Works or works that could materially interfere with any then existing Works of the Gas Company or the operation of such Works of the Gas Company.

14.0 PROVISIONS OF CERTAIN COMMON RIGHT OF WAY AGREEMENTS PARAMOUNT

14.01 Notwithstanding anything contained herein, but subject in all respects to any legislation governing the parties, the installation, construction, maintenance and operation by either party of its Works or by Authorized Parties of their works within a Common Right of Way Area or Contiguous Right of Way Areas, and the exercise of any rights or powers by either party hereto or by Authorized Parties, shall be subject in all respects to the rights and powers given under and the obligations and limitations contained in, the applicable Common Right of Way Agreement, the applicable Statutory Right of Way agreements or other rights or interests relating to a Common Right of Way Area that is an Intersecting Right of Way Area or the applicable Statutory Right of Way agreements relating to the Contiguous Right of Way Areas, as the case may be.

14.02 Any permission or approval given by either party to the other shall be subject to the rights of any third party having a prior interest in the land of which the Right of Way Area forms a part.

15.0 SHARING OF INTERESTS WITH THIRD PARTIES

15.01 Hydro will advise the Gas Company of the identity of any third parties authorized, after July 16, 1988, by Hydro to use the rights contained in a Common Right of Way Agreement. The Gas Company acknowledges that Authorized Parties have been granted

rights from time to time within, inter alia, the Common Right of Way Area or Areas. Reference to the interests of such Authorized Parties within this agreement, the Central Park Corridor Licence, the Fraser Valley Rail Corridor Licence, or the Asset Transfer Agreement or notification in writing given by Hydro to the Gas Company of further interests of Authorized Parties, together with reasonable details of the location of the works of such Authorized Parties will constitute notice to the Gas Company of the identity of such Authorized Parties and will constitute an express disclosure of the existence of such works and rights of the Authorized Parties for the purposes of paragraphs 7.01(a), 7.01(c), 13.05, 13.13 and this Article 15.

15.02 The Gas Company acknowledges Hydro's desire to avoid obstructing development in the Lower Mainland if no material interference with the Works, works, or operations of Hydro, the Gas Company and Authorized Parties, as the case may be, results therefrom and that Hydro may in the future develop further or other uses or grant further or other rights to Authorized Parties as the case may be, within, inter alia, the Common Right of Way Area or Areas pursuant to paragraph 13.13, subject only, within the Common Right of Way Area or Areas, to the terms of this agreement and in particular, but without limitation, to the terms of paragraphs 14.01, 15.04 and 15.05.

15.03 Upon the grant by Hydro of further or other rights to any third party, that third party shall, for the purposes of this agreement, be an Authorized Party, and notification of such grant in writing, given by Hydro or that third party to the Gas Company, together with a reasonably detailed statement of the nature of such grant or the rights thereby created will constitute an express disclosure of the rights of that party for the purposes of paragraphs 7.01(a), 7.01(c), 13.05, 13.13 and this Article 15.

15.04 Hydro acknowledges and agrees that the Gas Company may exercise any rights and interests granted or assigned to it by Hydro ("Gas Rights"), subject to the terms of this agreement; provided however, that no exercise of rights reserved to Hydro under this Article 15 or paragraph 13.13(b), nor any grant of rights by Hydro after the date hereof to Authorized Parties shall operate so as to interfere materially with or unreasonably restrict or unreasonably prevent the Gas Company from exercising lawfully any Gas Rights for Gas Utility purposes. Upon the reasonable written request of the Gas Company, Hydro will endeavour to prevent any practice or activity of any Authorized Party from interfering materially with the Works of the Gas Company from time to time lawfully within any Common Right of Way Area or the lawful access of the Gas Company thereto, provided Hydro shall in no event be liable to the Gas Company for any failure to enforce any covenant or other obligation of an Authorized Party in respect of the Common Right of Way Area.

15.05 Notwithstanding paragraphs 13.13, 15.01 and 15.02 and 15.03, Hydro shall not be entitled to grant or purport to grant to any Authorized Parties any rights or interests:

- (a) under any Statutory Right of Way, lease, licence or other right or interest referred to in paragraph 1.01(m);
- (b) under any Common Right of Way Agreement relating to a Common Right of Way described in paragraph 1.01(e)(ii);
or
- (c) to construct, operate or maintain any works for the transmission, distribution or storage of natural gas on any Common Right of Way Area.

15.06 Hydro and the Gas Company hereby declare that it is their mutual intent to give effect to and to allow, to the greatest extent reasonably possible, both the exercise by the Gas Company of the rights to operate the Gas Utility, and the exercise by Hydro of the rights to operate the Electric Utility, in each case as such rights are derived from the Common Right of Way Agreements, the Gas Rights of Way and the Electric Rights of Way (collectively the "Grant Agreements"), as the case may be. The parties recognize, however, the need for some restrictions as provided in this agreement, to ensure the lawful, safe, orderly and efficient construction, operation, maintenance and expansion of their respective Works, and the safe, efficient and effective administration of the Common Right of Way Areas. The parties therefore agree that, to the greatest extent reasonably possible, this agreement and the restrictions and limitations herein shall be interpreted, and the parties shall exercise their respective rights and discretions relating to the Common Right of Way Areas whether derived from this agreement or from the Grant Agreements or otherwise, in a manner that gives effect to, rather than frustrates, the mutual intent of the parties declared above.

16.0 RELOCATING WORKS

16.01 Subject to the provisions of this Article 16, either party may, at any time and from time to time, by written notice, require the other party to remove, relocate or make alterations to the other party's Works located on Contiguous Right of Way Areas or any Common Right of Way Area provided that:

- (a) the requiring party obtains the consent of the other party to the removal, relocation or alteration of the other party's Works, the proposed timing thereof and the proposed location of any new pipeline, distribution or transmission route or works;

(b) the requiring party shall pay all costs of such removal, relocation and alteration and shall indemnify and save harmless the other party from and against all liabilities, costs, suits, claims, demands, losses, expenses, damages, actions and injuries of any kind whatsoever occasioned by, attributable to or connected directly or indirectly with such removal, relocation or alteration; and

(c) the form of tenure for the proposed location of any new or relocated pipeline, distribution or transmission route or works shall contain the same terms and conditions, mutatis mutandis, as are contained in the applicable agreement or agreements relating to the Right of Way Area.

16.02 The other party shall not unreasonably delay or withhold the consent referred to in paragraph 16.01(a), and will notify the requiring party of its rejection or consent as soon as practicable and in any event within a reasonable time having regard to all of the circumstances, after receiving the requiring party's notice.

16.03 The other party shall carry out any removal, relocation or alteration specified by the requiring party in the notice within a reasonable time of granting the consent referred to in paragraph 16.01(a).

16.04 In the event that the requiring party disputes the other party's failure to give consent referred to in this Article or considers that the other party is unreasonably delaying the provision of consent, the dispute shall be submitted, subject to Article 21, to arbitration in accordance with the provisions of Article 27 hereof unless:

- (a) the parties otherwise agree;
- (b) one of the parties hereto requests the Utilities Commission to rule upon the dispute and the Utilities Commission makes or is in the process of making a determination on the merits of the issue; or
- (c) the Utilities Commission itself invokes the jurisdiction of the Utilities Commission Act to rule upon the dispute and the Utilities Commission makes or is in the process of making a determination on the merits of the issue.

17.0 RELEASES AND CHANGES OF INTERESTS

17.01 In the event that either party wishes to release or partially release or modify a Statutory Right of Way agreement relating to Contiguous Right of Way Areas, that party will, mutatis mutandis, strictly comply with Paragraph 17.03 and the applicable provisions of Article 23 hereof.

17.02 If, at any time and from time to time, either party becomes aware of any construction or other activity or proposed construction or activity on a Common Right of Way Area or any of the Contiguous Right of Way Areas by a third party or receives from a third party:

- (a) a request to release, partially release or modify a Common Right of Way Agreement or a Statutory Right of Way agreement relating to the Contiguous Right of Way Areas;
- (b) notice that such third party intends to effect a road closure or file a plan of subdivision with a road or

park dedication affecting the Common Right of Way or any of the Contiguous Right of Way Areas;

- (c) a request for a temporary or permanent use (including crossings) of a Common Right of Way Area or any of the Contiguous Right of Way Areas;
- (d) a request for information as to the location of Works on a Common Right of Way Area or any of the Contiguous Right of Way Areas;
- (e) notice that such third party intends to perform work in the location of a Common Right of Way Area or any of the Contiguous Right of Way Areas; or
- (f) any other proposal or notice of legal proceedings affecting any Common Right of Way Area, any of the Contiguous Right of Way Areas or the Works of either party therein or thereon,

that party will promptly notify the other party and comply strictly with the applicable provisions of Article 24 hereof.

17.03 Neither party shall grant to the owner of the land charged by a Common Right of Way of the type defined in paragraph 1.01(e)(i), a release, in whole or in part, of its undivided one-half interest in and to the Common Right of Way without having first offered the other party to this agreement an assignment of its undivided one-half interest, subject to the other party obtaining any consents necessary from a third party. The offer to assign shall be made in writing, and may be accepted by the other party within 30 days after receipt thereof by the tender of a form of assignment to the other party absolutely, of the offeror's and the other's one-half interests, which form of

assignment shall be in form registrable in all offices requiring registration.

17.04 Neither party shall represent or warrant to a third party that it has any authority to act or provide information in respect of a Common Right of Way on behalf of the other party to this agreement.

18.0 NUISANCE

18.01 Neither party shall cause a default or permit a default to continue under a Common Right of Way Agreement of a type or nature defined in paragraph 1.01(e)(i) or the Statutory Right of Way agreements held by that party relating to any of the Contiguous Right of Way Areas, nor carry on or do or permit to be carried on or done on a Common Right of Way Area or the Contiguous Right of Way Areas any work, business, occupation, act or thing whatsoever which may be or become a nuisance to the registered owner of the lands encumbered by the Common Right of Way Agreement or the Statutory Right of Way agreement relating to the other party's Right of Way Area included in any of the Contiguous Right of Way Areas.

19.0 CROSSINGS

19.01 In the event that it is necessary for either party hereto or any of the Authorized Parties to cross the Works of either party hereto with Works from and after the date hereof, the following provisions shall apply:

- (a) the person desiring to cross shall apply for permission to do so by delivering a written request together with such plans and supporting documentation as may be

reasonably applicable having regard to the nature of the crossing;

- (b) the party hereto whose Works will be crossed shall not unreasonably withhold or delay the giving of the permission requested;
- (c) any permission given to Hydro by the Gas Company, or to the Gas Company by Hydro, shall be without charge, except for out-of-pocket costs, if any.

20.0 TAXES

20.01 In the case of any Common Right of Way Area:

- (a) each party hereto shall, subject to paragraph 20.03, pay when due, at its own cost and for its own account, all Taxes levied, assessed or imposed on such party in respect of its separately assessed Works or in respect of its separately assessed use, occupation or ownership of any Common Right of Way Area;
- (b) if the Gas Company is not separately assessed for Taxes relating to its Works or the parts of any Common Right of Way Area, used by the Gas Company,
 - (i) Hydro shall pay all such Taxes and the Gas Company will pay to Hydro the Apportioned Taxes allocated to the Gas Company by Hydro in accordance with paragraph 20.04; and
 - (ii) if Hydro in its uncontrolled discretion pays any grant in lieu of Taxes the Gas Company shall on notice of particulars pay to Hydro a proportionate

indemnity of the amount of such grant as computed by Hydro mutatis mutandis in accordance with paragraph 20.04.

20.02 Each party shall, subject to paragraph 20.03 herein, exhibit or cause to be exhibited to the other within 30 days after any such taxes become due the receipt establishing payment thereof.

20.03 Appeal to Taxing Authority

In the case of any Common Right of Way, a party wishing to contest or appeal the Taxes imposed by a taxing authority shall notify the other party before instituting any such contest or appeal. If any such contest or appeal shall involve the other party becoming liable to assessment, prosecution, fine or other liability, the appealing party shall provide security in an amount satisfactory to the other party in respect of such liability and such undertakings as the other party may reasonably require to ensure payment thereof, provided that the requirement to provide such security shall not apply to Hydro so long as Hydro is an agent of Her Majesty the Queen in Right of the Province of British Columbia. The party contesting or appealing the taxes imposed shall diligently prosecute any such contestation or appeal, shall keep the other party fully informed of the progress thereof and, upon final determination of any such contest or appeal, shall immediately pay and satisfy out of the security provided or otherwise, the amount thereof found to be due, if any, together with all costs, penalties or interest in respect thereof and shall provide the other party with evidence of said payment, and the balance of the security, if any, shall be released to the party providing same.

20.04 Apportioned Taxes

The principles governing responsibility for any Taxes where they are not separately assessed are as follows:

- (a) except as otherwise set out in paragraph 20.04(b) and except in respect of any leasehold interests granted to the Gas Company by Hydro which contain a specific provision for payment or sharing of Taxes or grants in lieu thereof:
 - (i) as to land, such Taxes shall be apportioned on a pro rata basis according to the area of a Common Right of Way Area used by the Gas Company, in relation to the area of the whole of the lands that are the subject of such Taxes; provided that if any such Taxes are levied pursuant to an assessment roll based on differing values for different parts of such Common Right of Way Area, such pro rata apportionment of Taxes shall be weighted accordingly;
 - (ii) as to improvements, Taxes shall be apportioned on the basis that the Gas Company shall be responsible for the portion of such Taxes that is attributable to the Works of the Gas Company;
 - (iii) for the purposes of this paragraph 20.04(a), the term "area of a Common Right of Way Area used by the Gas Company" shall mean the aggregate of the area or areas occupied by the Works of the Gas Company together with such portions of the surrounding areas required by the Gas Company for clearances, access to its Works and working space

for the installation, maintenance, repair and replacement of its Works, all as allocated by Hydro, acting reasonably in such allocation;

- (b) in the case of Taxes relating to any Common Right of Way of a type and nature defined in paragraph 1.01(e)(i), the Gas Company will pay or reimburse Hydro for one half of all such taxes relating to the land and all such taxes relating to, assessed against or levied upon the Works of the Gas Company;
- (c) in the event that there is any dispute as to the allocation of the Taxes or calculation of Apportioned Taxes as aforesaid on the matters referred to in paragraph 20.04(d), such dispute shall be submitted to arbitration in accordance with the provisions of Article 27 hereof and the arbitrator shall, with respect to Taxes on land (distinct from improvements thereon), employ as far as possible the then current established principles and rates of assessment and taxation used by the appropriate assessing and taxing authorities under the pursuant to the then current laws, by-laws and regulations applicable to such assessment and taxation, with the intent that such determination shall as far as possible result in the apportionment that would have resulted if the Taxes relating to the land had been assessed and charged separately;
- (d) the aggregate of all Taxes apportioned and allocated as aforesaid for any taxation year in respect of any Common Right of Way Area, will be the Gas Company's "Apportioned Taxes" for the purposes of this Agreement and those contemplated hereby, provided that:

- (i) the Gas Company shall in no event be required to pay to Hydro any Apportioned Taxes pursuant to this paragraph 20.04 that are in duplication of any Taxes paid or payable by the Gas Company under paragraph 20.01(a); and
- (ii) the Gas Company shall in no event be responsible or liable for any Taxes that are attributable to Authorized Parties or to the works or other property of Authorized Parties or to the occupation or use of the Common Right of Way Area by Authorized Parties or to any business or activities of Authorized Parties;
- (e) the parties hereto shall each co-operate whenever and to the extent necessary to cause the Works of the Gas Company and the areas of a Common Right of Way Area used by the Gas Company to be separately assessed and the Gas Company shall pay the Taxes levied pursuant to each such assessment in accordance with paragraph 20.01.

21.0 DEFAULT

21.01 Subject to paragraph 21.05, every right of the Gas Company pursuant to each of Articles 13 and 16 shall be suspended for so long as:

- (a) the Gas Company either:
 - (i) uses any Common Right of Way unlawfully, contrary to the Common Right of Way Agreement, or
 - (ii) fails to observe or perform any covenant, agreement or proviso contained in this agreement in respect

of Contiguous Right of Way Areas or of any Common Right of Way;

and

- (b) such unlawful use or failure, as the case may be, continues for a period of thirty (30) days following delivery by Hydro of notice of particulars of the failure or default or such longer period as may be agreed by Hydro, acting reasonably.

21.02 Subject to paragraph 21.05, during any suspension pursuant to paragraph 21.01, Hydro shall have the arbitrary right to withhold or delay any approval or consent required pursuant to Articles 13 or 16.

21.03 Subject to paragraph 21.05, during any suspension pursuant to paragraph 21.01, Hydro shall have the right, without obligation, to enter (and is hereby authorized by the Gas Company as its agent so to do) upon any Common Right of Way Area or the Right of Way Area of the Gas Company included in any of the Contiguous Right of Way Areas to remedy a default of the Gas Company in respect of which notice has been given by Hydro under paragraph 21.01, who shall pay to Hydro any and all expenses and costs reasonably incurred in connection therewith including, without limitation, an allocation of Hydro's incidental administrative and personnel costs, determined in accordance with its normal operating procedure.

21.04 Whenever Hydro reasonably apprehends the security of its Works or the continuity of its electrical service to be threatened by actions or omissions of the Gas Company, Hydro shall have the right, after notice to the Gas Company, without obligation, to construct or install entirely at the expense of the Gas Company

corrective or protective works and to take other protective actions to the standard of a reasonably prudent utility. Such expense shall include an allocation of Hydro's incidental administrative and personnel costs determined in accordance with its normal operating procedure. The notice given by Hydro under this paragraph will state a reasonable period within which the Gas Company will remedy the situation or condition and Hydro shall not exercise its rights to so construct or install such works during the diligent prosecution of appropriate remedial action commenced by the Gas Company forthwith upon any notice being given under this paragraph; Provided that no notice will be required to be given by Hydro in the case of emergency.

21.05 No suspension pursuant to paragraph 21.01 shall continue, and Hydro shall not have rights under paragraphs 21.02 and 21.03:

- (a) during any arbitration pursuant to Article 27, nor
- (b) during the diligent prosecution of appropriate remedial action commenced by the Gas Company forthwith upon any notice of default pursuant to paragraph 21.01.

21.06 If, in the opinion of the Gas Company, acting reasonably,

- (a) Hydro has failed to observe or perform any covenant, agreement or proviso contained in this agreement which Hydro agreed to observe or perform, the Gas Company may deliver to Hydro written notice of such alleged failure; and
- (b) after the expiry of 60 days from the date Hydro receives such notice, or such shorter period (not to be less than

30 days) as may be reasonably required having regard to the circumstances, Hydro has not remedied the alleged failure or is not taking appropriate remedial action to effect a reasonable remedy,

the Gas Company may submit the matter to arbitration in accordance with the provisions of Article 27 hereof to determine whether or not Hydro is in default under this Agreement. The rights of the Gas Company under the foregoing provisions of this paragraph are in addition to, and not in substitution for, any other rights and remedies available to the Gas Company from time to time at law or in equity, none of which rights and remedies are exclusive of any other.

22.0 RESTRICTIONS ON TRANSFER

22.01 The Gas Company shall not sell or agree to a sale of any interest in the Gas Utility which relates to or impacts on any Common Right of Way Agreement unless prior to or concurrently with the completion of such sale, the purchaser, assignee or transferee, as the case may be, delivers to Hydro a written agreement in a form satisfactory to Hydro whereby such purchaser, assignee or transferee agrees with Hydro to become a party to and be bound by all of the terms and conditions of this agreement, all in the same manner as the Gas Company.

22.02 For the purposes of this Article 22, "sale" means any transfer, conveyance, assignment, grant of option, grant of right to purchase or any transfer of such interest in any way whatsoever affecting a Common Right of Way Agreement, excluding the grant of a mortgage, pledge or charge referred to in paragraph 12.02, but including a sale by a mortgagee or by a receiver, receiver-manager or trustee-in-bankruptcy.

22.03 Every consent given by Hydro under paragraph 12.02 herein shall be conditional upon the mortgagee first agreeing with Hydro in writing that:

- (a) upon a foreclosure of the security and a vesting of the foreclosed interest in the mortgagee or upon the mortgagee taking possession (as mortgagee-in-possession) of the mortgaged interest, or the Gas Utility, or any part thereof, it shall become a party hereto and be bound by all the terms and conditions of this agreement and in the same manner as the Gas Company; and
- (b) any appointment of any receiver or receiver-manager or other representative in respect of the interest of the Gas Company will be subject to, and any receiver, receiver-manager or other representative will be bound by the provisions of this agreement.

22.04 The Gas Company agrees that its being in violation of the restrictions set out in this Article shall constitute an injury and damage to Hydro impossible to measure monetarily and, as a result, Hydro shall, in addition to all of its other remedies in law and in equity, be entitled to a decree, or order restraining or enjoining any sale of the Gas Company's interest save in accordance with the provisions of this Article, and the Gas Company, intending to make a sale or making a sale contrary to the provisions of this Article, shall consent to such an order and shall not plead in defence thereto that there would be an adequate remedy at law.

22.05 If Hydro sells, transfers or assigns its interest in any Common Right of Way or Statutory Right of Way agreement relating either to Contiguous Right of Way Areas or to Intersecting Right of Way Areas, Hydro shall cause the purchaser or assignee of such

interest to enter into an agreement with the Gas Company to assume and perform the obligations of Hydro under any such Common Right of Way Agreement or Statutory Right of Way agreement, as the case may be, and the obligations of Hydro under this agreement, and thereupon Hydro will be released from its obligations under any such Common Right of Way Agreement or Statutory Right of Way agreement relating either to Contiguous Right of Way Areas or to Intersecting Right of Way Areas and under this agreement insofar as they relate to such Common Right of Way Agreement, Statutory Right of Way agreement or other interest, other than liabilities for defaults of Hydro existing at the date of such release.

22.06 If:

- (a) the Gas Utility is sold by the Gas Company in its entirety; and
- (b) the purchaser, assignee or transferee (other than a lender or holder of security of the Gas Company or its assets) first complies with paragraph 22.01 by delivering to Hydro the written assumption agreement referred to therein; and
- (c) the Gas Company has obtained Hydro's consent to the purchaser, assignee or transferee, such consent not to be unreasonably withheld; and
- (d) the Utility Commission has approved the terms of sale and all regulatory approvals relating to the sale have been obtained by the Gas Company,

the Gas Company, will thereupon be released of the Gas Company's obligations hereunder other than liabilities for defaults of the Gas Company existing at the date of such release.

PART IV
OPERATING PROCEDURES

23.0 INTERNAL REQUESTS AND OPERATING PROCEDURES

23.01 Without in anyway limiting the other provisions of this agreement, and subject to Articles 13, 14, 15 and 16 herein, if either party wishes to use a Common Right of Way Area or do anything in respect of a Common Right of Way Agreement or Statutory Right of Way Agreement relating to Contiguous Right of Way Areas and by the terms of this agreement, that party is directed to comply with this Article, that party shall, except in emergencies, first advise the Property Manager of the other party in writing and shall thereafter comply with the provisions of Schedule 3 which apply to the situation as amended from time to time by the parties to provide for the safe and efficient operation of each party's Works.

24.0 EXTERNAL REQUESTS AND OPERATING PROCEDURES

24.01 Without in anyway limiting the other provisions of this agreement, and subject to Articles 13, 14, 15 and 16 herein, upon the occurrence of any of the events described in paragraphs 9.01, 9.02 or 17.02 herein, the party becoming aware of the occurrences described therein or the facts relating thereto shall, except in emergencies, promptly advise the Property Manager of the other party in writing of such facts and thereafter shall comply with the provisions of Schedule 4 which apply to the situation as amended from time to time by the parties to provide for the safe and efficient operation of each party's Works.

PART V

25.0

INSURANCE

25.01 The Gas Company agrees with Hydro to carry public liability insurance with insurers, upon terms and conditions, in an amount satisfactory from time to time to Hydro from time to time, such insurance to name Hydro as an insured party in respect of any damage to persons or property resulting from any use, occupation, possession, operation or maintenance of any Common Right of Way Area by the Gas Company, for which Hydro may be liable as owner of the Right of Way Area or common user or occupier of the Right of Way Area.

25.02 The premiums relating to such insurance policies shall be paid by the Gas Company and a copy of the policy or policies relating to such insurance shall be deposited with Hydro. In the event that the Gas Company shall fail to insure and keep insured as herein provided, Hydro may, at its option, effect such insurance and the cost of same shall be forthwith due and payable by the Gas Company to Hydro.

25.03 Hydro may, in its sole discretion, waive the requirements of this Article 25 upon the delivery to Hydro from time to time of proof, satisfactory to Hydro, that the Gas Company is self-insured; provided that such waiver shall only be effective so long as the Gas Company continues to satisfy Hydro as to this status.

25.04 Hydro acknowledges that the current loss limit of \$50,000,000 for any one occurrence now maintained by the Gas Company is satisfactory to Hydro;

Hydro may agree to some lesser amount or require the Gas Company to increase such coverage and add such additional coverages as may be required by a prudent natural gas pipeline operator, acting reasonably in assessing, from time to time, the risks associated with the Gas Utility notwithstanding that the premiums payable for such insurance coverage may be unreasonable; provided however that Hydro will not at any time require the Gas Company to place and maintain insurance coverages for which the premiums are, in Hydro's reasonable opinion, wholly out of proportion with the losses insured against.

PART VI

26.0

DAMAGE AND INDEMNITIES

26.01 All structures, installations, materials, supplies, articles, effects and things at any time brought, placed or being on the Right of Way Areas within a Common Right of Way Area or any Contiguous Right of Way Areas shall be entirely at the risk of the party owning such items in respect of loss, damage, destruction or accident from whatsoever cause, and whether direct or indirect, arising and that party shall be solely responsible for the condition, operation, maintenance and management and repair of its own Works, except as otherwise herein specifically provided.

26.02 Neither party shall be under any liability for injury to or death of any employee, agent, contractor, permittee or licensee of the other party or for loss or of damage to the property of the other party or of any of the aforementioned persons, unless such injury, death, loss, damage, destruction or accident results from the negligence or willful act of that party, its employees or agents.

26.03 Except to the extent that damages to persons or property result from the negligence or willful misconduct, whether by act or omission of Hydro or Authorized Parties or their respective employees, agents, contractors, permittees or licencees, the Gas Company shall be responsible for and shall indemnify and save harmless Hydro from and against:

- (a) any injury to or death of any person or loss of or damage to any property including the Works of Hydro, or the works of Authorized Parties caused by or resulting from:
 - (i) the willful misconduct of the Gas Company, its employees, agents, contractors, permittees or licencees; or
 - (ii) the negligent use, occupation, operation or maintenance of any Common Right of Way Area by the Gas Company; and
- (b) all liabilities, costs, suits, claims, demands, losses, expenses, damages, actions and injuries of any kind whatsoever which Hydro may sustain, incur, suffer or be put to, to the extent such liability, cost, suit, claim, demand, loss, expense, damage, action, injury or death results by reason of any breach, violation or non-performance by or on behalf of the Gas Company of any covenant, term or provision of this agreement or any Common Right of Way Agreement.

Notwithstanding any other provision of this agreement, or any Common Right of Way Agreement, the Gas Company shall not be obligated to indemnify Hydro under this paragraph 26.03 for indirect or consequential loss including, without limitation, loss of profit.

26.04 Except to the extent that damages to persons or property result from the negligence or willful misconduct, whether by act or omission, of the Gas Company or its employees, agents, contractors, permittees or licencees, Hydro shall be responsible for and shall indemnify and save harmless the Gas Company from and against any injury to or death of any person or loss of or damage to any property, including the Works of the Gas Company, caused by or resulting from:

- (a) the willful misconduct of Hydro, its employees, agents, contractors, permittees or licencees; or
- (b) the negligent use, occupation, operation or maintenance of any Common Right of Way Area by Hydro.

Notwithstanding any other provision of this agreement, Hydro shall not be obligated to indemnify the Gas Company under this paragraph 26.04 for indirect or consequential loss including, without limitation, loss of profit.

26.05 Notwithstanding Section 51 of the Hydro and Power Authority Act, Hydro shall indemnify and save harmless the Gas Company from and against any loss or damages incurred or suffered by the Gas Company as a result of nuisance to third parties arising in the context of paragraph 7.01(b) or Article 18 herein to the extent that Hydro would be liable for such nuisance but for the operation of Section 51.

26.06 In the case of indemnities given to the Gas Company by Hydro pursuant to paragraphs 16.01(b), 26.04 and 26.05 herein, each indemnity is subject to the Hydro and Power Authority Act, R.S.B.C. 1979, chapter 188, as amended and the regulations thereunder, and to the prior approval of the Lieutenant

Governor-in-Council pursuant to the Financial Administration Act R.S.B.C. 1981, chapter 15, as amended and the regulations thereunder, (the "Financial Administration Act") and in the case of indemnities given to Hydro by the Gas Company pursuant to paragraphs 16.01(b), 20.01 and 26.03 herein, each indemnity is subject to the prior approval of the Lieutenant Governor-in-Council pursuant to the provisions of the Financial Administration Act.

27.0 ARBITRATION

27.01 If any failure to reach agreement, or any dispute or difference shall at any time arise or exist between the parties hereto touching or concerning any matter or thing under or arising out of any provision in this agreement, and if the relevant provision of this agreement expressly provides for a submission to arbitration in such case, then in each case the issue, dispute or difference shall be deemed to be a submission to arbitration upon the written request of either party. In the event of such request, the parties shall endeavour to agree on a single arbitrator within ten (10) days of the date of such request and if so agreed, the decision of the single arbitrator shall be final and binding on the parties hereto. Failing such agreement on the selection of a single arbitrator, each party shall select one arbitrator within fifteen (15) days from the date of the request, it being agreed that if one party fails to select such an arbitrator within such fifteen (15) day period, and the other party has selected an arbitrator, the submission shall go before the one arbitrator so selected and his decision shall be final and binding on the parties hereto. If two arbitrators are selected, the two arbitrators shall appoint a third arbitrator and the decision of any two of the arbitrators shall be final and binding upon the parties. If the two arbitrators can not agree upon a

third arbitrator, either party may apply to a judge of the Supreme Court of British Columbia to have such arbitrator appointed. Except as herein otherwise provided, the provisions respecting arbitrations contained in the Commercial Arbitration Act of British Columbia and any amendments thereto or substitutions therefore from time to time in force shall apply to any submission under this Article 27.

28.0 FORCE MAJEURE

28.01 Except for the monetary obligations imposed on the parties hereunder, neither party shall be liable for failure to perform its obligations hereunder to the extent that such non-performance is due to fire, storm, flood, epidemics, acts of God or the Queen's enemies, riots, insurrections, rebellion, sabotage, strikes, labour disturbances, breakdown of transportation or storage facilities, war, inability to obtain the necessary material, equipment or labour, regulation or governmental order, or any other cause whether similar or dissimilar to those enumerated beyond that party's reasonable control.

29.0 NO PARTNERSHIP

29.01 The parties acknowledge and agree among one another that no Common Right of Way Area shall be or be deemed to be partnership property and that this agreement shall not create, nor shall it be construed to have created, any partnership, joint venture, or agency whatsoever among the parties, except as expressly provided in paragraph 21.03.

30.0 NO BINDING AUTHORITY

30.01 Except as expressly provided in this agreement, neither party shall have any authority to bind the other party.

31.0 SUCCESSORS AND ASSIGNS

31.01 This agreement shall be binding upon and enure to the benefit of the parties hereto and their respective successors and, subject to Article 22, their assigns.

32.0 SUBSEQUENT ACTIONS

32.01 Each of Hydro and the Gas Company shall from time to time and at all times, upon request, and at the expense of the other party do, execute, acknowledge and deliver all such further acts, deeds, assignments, transfers, conveyances, powers of attorney and assurances as may be reasonably required in order fully to perform and carry out the terms of this agreement according to its true intent and meaning.

33.0 NOTICES

33.01 Any notice or other communication provided for herein or to be given hereunder to a party hereto shall be in writing and shall either be delivered, mailed by prepaid registered mail, return receipt requested, or sent by telecopier, to the intended recipient at its address or telecopier number indicated below:

(a) to the Gas Company:

B.C. Gas Inc.
P.O. Box 12503
23rd Floor, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3
Attention: Secretary

Telecopier Number: (604)661-9614

(b) to Hydro:

B.C. Hydro and Power Authority
970 Burrard St.
Vancouver, B.C., V6Z 1Y3
Attention: The Comptroller

Telecopier Number: (604)663-3432

or at such other address or telecopier facility in Canada with respect to a party as such party shall notify the other in writing as above provided. All notices shall be deemed given upon actual receipt or upon the expiry of 5 business days following the date of mailing as provided for above, whichever shall occur earlier; provided, however, that during an interruption of postal service, notice shall not be deemed to have been given until delivered or telecopied as aforesaid.

34.0 COMPLETE AGREEMENT

34.01 Subject to paragraph 37.01:

- (a) this agreement, including the Schedules hereto, the Common Right of Way Agreements, the Asset Transfer Agreement, and the other agreements and instruments specifically or generally referred to in this agreement (other than the Real Property Operating Agreement made

as of July 15, 1988), and any other agreement in writing between the parties hereto made on or after the date of execution hereof constitute the complete agreement between the parties hereto with respect to the operation of and obligations relating to the real property interests contemplated hereby; and

- (b) there are no restrictions, promises, warranties, covenants, or undertakings by the parties relating to any Common Right of Way Area or any of the Contiguous Right of Way Areas other than those referred to in paragraph 34.01(a). This agreement may be amended, agreement may be amended, modified or terminated only by written instrument signed by all parties hereto.

35.0 GOVERNING LAW AND SEVERABILITY

35.01 This agreement shall be governed by and construed and enforced in accordance with the laws of the Province of British Columbia and the laws of Canada which may be applicable to a party in the Province of British Columbia.

35.02 Should any provision of this agreement be or become illegal or not enforceable, that part of the provision which may be illegal or not enforceable shall be considered separate and severable from this agreement and the remaining terms and conditions of this agreement shall remain in force and be binding upon the parties hereto as though such provision had never been included, provided however that if there is a conflict or inconsistency between the terms of this agreement or the performance by either party of an obligation hereunder and the terms of or obligation or right included in an Order issued under the Utilities Commission Act (the "Order"), the terms of the Order

shall prevail, and so long as the Order is in effect, compliance with the terms of the Order by either party will, as between the parties hereto, suspend any default of the party affected by the Order under this agreement or under any Common Right of Way Agreement.,

35.03 Nothing contained herein shall restrict Hydro from seeking injunctive or other relief to remedy:

- (a) any failure of the Gas Company to observe and perform any of the covenants, agreements, provisos or conditions contained herein; or
- (b) any act or omission of the Gas Company causing or likely to cause interference with Hydro's Works or the use thereof or posing or likely to pose a threat to safety.

36.0 CONSENT AND WAIVER

36.01 The failure of either of the parties hereto to insist upon performance of any covenant or condition contained in this agreement or to exercise any right or option hereunder shall not be construed to be or operate as a waiver, or relinquishment for the future, of any such covenant, condition, right or option and no consent or approval required hereunder or waiver shall be inferred from or implied by anything done or omitted by any of the parties hereto save only by an express consent, approval or waiver in writing signed by the authorized signatories of Hydro, or of the Gas Company, as the case may be.

37.0 APPLICATION OF AGREEMENT

37.01 Notwithstanding anything contained herein, and for greater certainty, the parties acknowledge and agree that the terms and conditions of this agreement shall not apply to:

- (a) any fee simple interest in land of the Gas Company;
- (b) any Gas Right of Way, except to the extent they form part of the Contiguous Right of Way Areas, and except at the area of overlap or intersection as defined in paragraph 1.01(o), and except any Gas Right of Way registered against any fee simple interest in land of Hydro;
- (c) any Electric Right of Way, except to the extent they form part of the Contiguous Right of Way Areas, and except at the area of overlap or intersection as defined in paragraph 1.01(o) including an area of overlap resulting from the grant of Statutory Right of Way contemplated by paragraph 40.03; or
- (d) for greater certainty, any land or interest therein, whether or not referred to in or contemplated by the provisions of this agreement, lying outside the areas of land contained in:
 - (i) Central Fraser Valley Regional District;
 - (ii) Dewdney Alouette Regional District;
 - (iii) Greater Vancouver Regional District; and

- (iv) Regional District of Fraser-Cheam other than the part of it in Electoral Area A.

38.0 HEADINGS

38.01 The descriptive headings of the articles, paragraphs and subparagraphs hereof are inserted for convenience only and do not constitute a part of this agreement.

39.0 COUNTERPARTS

39.01 This agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which shall constitute but one instrument.

40.0 MISCELLANEOUS

40.01 Upon execution by the parties, this agreement replaces and supercedes that certain Real Property Operating Agreement made as of July 15, 1988.

40.02 If either party hereto shall take action in an emergency which, without the emergency could be taken only after notice or approval, that party shall promptly give notice to the other party hereto of the action taken and of the nature of the emergency, providing reasonable particulars.

40.03 Notwithstanding the other provisions of this agreement, in the case of any Common Right of Way of the type defined in paragraph 1.01(e)(i) on which there is not located from time to time any Works of the Gas Company, then until either Hydro gives consent pursuant to 13.01 for Works of the Gas Company within the Common Right of Way Area that is the subject of such Common Right of Way, or the Gas Company uses the Common Right of Way Area that is the subject of such Common Right of Way, Hydro shall be solely responsible for the obligations of the parties hereto under this

agreement relating to such Common Right of Way Area, and for Taxes in respect of such Common Right of Way Area, provided however that the Gas Company shall continue to perform its obligations relating to administrative matters contained in this agreement, including, without limitation, administrative matters contained in Articles 3, 7, 8, 15, 17 and 24.

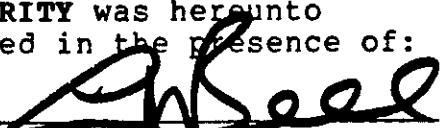
40.04 Hydro acknowledges that the Gas Company has been exploring the potential for underground gas storage facilities within the Lower Mainland and Fraser Valley areas of British Columbia, and that the Gas Company intends to develop underground gas storage if appropriate facilities exist. If requested by the Gas Company in connection with any such gas storage facilities, Hydro agrees:

- (a) to grant to the Gas Company at reasonable cost, in form required by Hydro, Statutory Rights of Way for the installation of Works of the Gas Company for such access to and from such gas storage facilities as Hydro can reasonably provide, over land owned in fee simple by Hydro, subject to the requirements of Hydro for its existing or future Works, works or uses; and
- (b) whenever reasonably possible, and subject to the requirements of Hydro for its existing or future Works, works or uses, to cooperate with the Gas Company in connection with, and to consent whenever reasonably possible, and not unreasonably object, to any efforts or applications by the Gas Company to acquire Statutory Rights of Way or other appropriate rights or interests for Works of the Gas Company to and from such gas storage facilities, over land in respect of which Hydro holds a Statutory Right of Way or other right or interest;

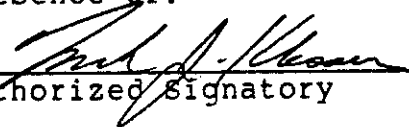
provided in all cases that any rights contemplated by subparagraph (a) or (b) above that are acquired by the Gas Company shall be

governed by the terms of this agreement, including, without limitation, Article 13.

IN WITNESS WHEREOF, the parties hereto have executed this agreement as of the day and year first above written.

THE COMMON SEAL OF BRITISH)
COLUMBIA HYDRO AND POWER)
AUTHORITY was hereunto)
affixed in the presence of:)
)
Authorized Signatory)

C/S

THE COMMON SEAL OF)
B.C. GAS INC. was)
hereunto affixed in the)
presence of:)
)
Authorized Signatory)

C/S

Authorized Signatory)

WPD-JHG/4,4A,5-1

SCHEDULE 1

GENERAL SAFETY STANDARDS

1. Where gas venting facilities exist in Common Right of Way Areas, these shall be operated in a manner which would not endanger the electric transmission towers and the power line conductors. Such operation shall take into consideration the direction of the wind at the site at the time of the operation.

TABLE I

**Required Clearance Between Pipeline Maintenance Equipment
and Energized Power System Conductors**

Voltage	Clearance, m
60 kV and below	3.00
138 kV	4.50
230 kV	4.50
345 kV and above	6.00

SCHEDULE 2

GENERAL ENGINEERING STANDARDS

Nil

SCHEDULE 3
INTERNAL OPERATING PROCEDURES

A. Common Right of Way Areas

- (a) Applications affecting the common legal interest - including, but not restricted to the following:

- release or partial release of Right of Way
- approval of plans
- modification of Right of Way Agreement

will be referred to Hydro's Properties Division for coordination and preparation of documents, as required. Both parties will execute documents affecting common legal interests unless one party reasonably objects thereto.

- (b) Where one party proposes to remove, dispose of or abandon its Works and property on a Common Right of Way, the other party should be notified.
- (c) Where one party proposes to undertake construction, repairs and maintenance to Works on Common Right of Way Areas, the other party must be notified prior to commencement.
- (d) Where a Common Right of Way intersects another Right of Way, the rights of the parties will be governed by the terms of the respective right of way agreements and the priorities thereof and by this agreement.

Where the consent of one party is required for registration of a document of the other party, such consent shall not be unreasonably withheld except as otherwise provided in the Real Property Operating Agreement.

- (e) Both Hydro and the Gas Company will provide each other with reasonably detailed plans, drawings and specifications of their respective Works as may be required from time to time.

B. Contiguous Right of Way Areas

- (a) Where the release of any document relating to Contiguous Right of Way Areas is contemplated, the party wishing to release the interest shall first notify the other party and shall use reasonable efforts to ensure that the other party will, for a reasonable period (but in any event not less than a period of 90 days) have the opportunity to acquire any rights it may require from the landowner prior to such release by the party wishing to release its interest.
- (b) The existence of Contiguous Right of Way Areas or the Real Property Operating Agreement does not relieve the parties from any requirement which they may have to notify or obtain consent from a landowner or other interested parties.

SCHEDULE 4
EXTERNAL REQUEST OPERATING PROCEDURES

A. Common Right of Way Areas

- (a) Both Hydro and the Gas Company will refer to each other external requests relating to the location of their respective Works.
- (b) All external applications involving the common legal interest in the land must be reviewed by each party and, if acceptable to both parties, acting reasonably, signed by both parties. This includes, but is not limited to, the release or partial release of any Common Right of Way, modification of Statutory Right of Way agreements and the approval of plans.

Hydro's Properties Division will coordinate the drafting, execution and registration of documents.

- (c) External applications for the use of a Common Right of Way that are received by one party will be acknowledged by that party with a copy of the application and letter of acknowledgment promptly delivered to the other party for review.

The acknowledgement letter will advise that the consent of both Hydro and the Gas Company will be required before use of the Right of Way is authorized.

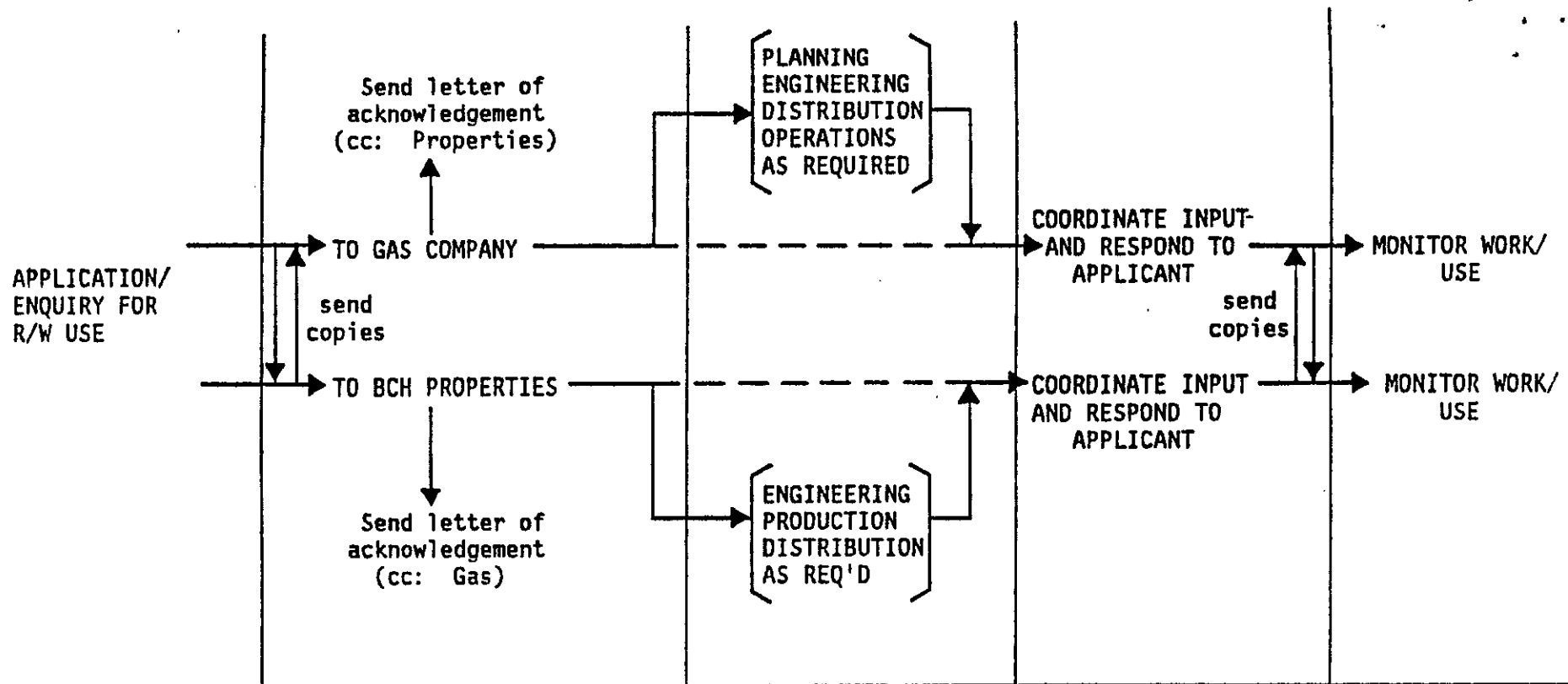
Each party will respond to the applicant separately as to its respective interest. Copies of responses will be sent to the other party (the attached flow chart summarizes the handling of third party use requests).

- (d) Each party will deliver to the other forthwith upon receipt copies of any legal proceedings or other notice served on it in connection with a Common Right of Way.

B. Contiguous Right of Way Areas

- (a) Copies of enquiries or applications received by one party concerning its own right of way or the Right of Way Area of the other party will be promptly delivered to the other party.

**THIRD PARTY E OF COMMON RIGHTS OF WAY
B. HYDRO/GAS COMPANY**



APPLICATION	ACKNOWLEDGEMENT	REFERRAL	RESPONSE	MONITOR
Application/enquiry should include current S.T.C. and plan including dimensions.	Receiving agency sends copy of application along with cc: of acknowledgement letter to the other for direct response (as to their interest only).	Each party will obtain internal technical input (as required). If, for any reason, one party finds the proposal unacceptable then such party shall advise the other forthwith.	Consent to activity or use granted by one party is subject to consent of the other being obtained. Where R/W Mod. Agree. is required, BCH Properties will prepare document. Copy of consent is sent to the other party.	Operations Groups will monitor actual R/W use.

DATED: the 29th day of September, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY

AND:

B.C. GAS INC.

AMENDED AND RESTATED
REAL PROPERTY OPERATING AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-JHG/4,5-1 File No. 1166/9

RESEARCH & DEVELOPMENT OPERATING AGREEMENT

THIS AGREEMENT entered into as of the 15th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, c. 188

("R & D CO.")

OF THE FIRST PART

AND:

74280 B.C. LTD.,

("the Company")

OF THE SECOND PART

W H E R E A S:

- A. The Company carries on gas utility operations in the Lower Mainland of the Province of British Columbia;
- B. The Company desires to contract with R & D Co. for the providing by R & D Co. of testing, problem solving and research and development programs for the purposes of the Company's gas utility operations; and
- C. R & D Co. represents that it is equipped and qualified to perform the services required by the Company as described.

NOW, THEREFORE, in consideration of the premises and of the mutual covenants and agreements contained herein, the parties hereto represent, warrant, covenant and agree as follows:

1.0 **DEFINITIONS**

1.01 Where used herein or in any amendment hereto, unless the context otherwise requires, each of the following words shall have the meaning set forth as follows:

- (a) **"Additional Billable Hour Fees"** means those fees payable by the Company to R & D Co. in accordance with Paragraph 4.04 of this Agreement;
- (b) **"Agreement"** means the agreement resultant upon the full execution of this document by all parties hereto including the schedules attached together with any amendments thereof;
- (c) **"Assets"** means all right, title and interest of R & D Co. in and to the assets, rights, business and undertaking of the Business as of the date of this Agreement and all assets purchased by R & D Co. in addition thereto or substitution thereof after the date of this Agreement;
- (d) **"Average Professional Hourly Rate"** means the amount payable by the Company to R & D Co. for each billable hour as provided in Paragraph 3.01 for Professionals;
- (e) **"Average Technician Hourly Rate"** means the amount payable by The Company to R & D Co. for each billable hour as provided in Paragraph 3.01 for Technicians;
- (f) **"Billable Hours"** means the total of hours representing services provided by R & D to the Company in any one year as set out in Schedule "A";
- (g) **"Billable Hour Fees"** means the aggregate of the product of the Average Professional Hourly Rate and that

portion of the Billable Hours provided by Professionals and the product of the Average Technician Hourly Rate and that portion of the Billable Hours provided by Technicians, as the case may be;

- (h) **"Business"** means the testing, problem solving and research and development programs of R & D Co. together with any ancillary business;
- (i) **"Competitive Market Rate"** means the product of the Multiplier and the Hourly Payroll Cost determined annually for Professionals or for Technicians, as the case may be, providing services in arms length transactions in the marketplace similar to the Works;
- (j) **"Guaranteed Minimum Revenue"** means, for each of the years ending March 31, 1990, March 31, 1991 and March 31, 1992, the sum of \$590,000 in any one year and, for the year ending March 31, 1989, is calculated as follows:
$$\frac{X \text{ days}^*}{365 \text{ days}} \times \$590,000$$

* "X" - Number of days from date of this Agreement to March 31, 1989;
- (k) **"Hourly Payroll Cost"** means the aggregate of the annual salary and fringe benefits received by a person as a result of his employment divided by 1575 with such fringe benefits being an amount equal to the employer's share of employee benefits including, without limitation, dental, health and medical insurance, group life and disability insurance, company and Government of Canada pensions; worker's compensation payments and unemployment insurance contributions, but excluding any bonuses or profit-sharing;
- (l) **"Multiplier"** means 2.3;

- (m) **"Professionals"** means those job classifications as set out in Schedule "B1" hereto;
- (n) **"Project"** means the services provided to the Company by R & D Co. for which a Project Contract is issued;
- (o) **"Project Contract"** means a contract in the form of the Contract attached hereto as Schedule "C";
- (p) **"Project Record Report"** means an authorization by the Company to R & D Co. to proceed with respect to a Project in the form of the report attached hereto as Schedule "D";
- (q) **"Services"** means technical investigations, test equipment set up and dismantling, requested consultation, project report preparation and project research all as and identified on a Project Record Report and does not include, without limitation, clerical support, administration, training, safety meetings, conference attendance, proposal preparation and marketing unless otherwise agreed to by Hydro;
- (r) **"Technicians"** means those job classifications as set out in Schedule "B2" hereto; and

2.0 **TERM**

2.01 Hydro hereby engages R & D Co. to perform the Services and R & D Co. agrees to perform the Services for Hydro pursuant to and in accordance with Paragraph 6.0 for the period commencing on the date of this Agreement and expiring on March 31, 1992 unless this Agreement shall be terminated at an earlier date.

3.0 **SERVICES**

3.01 The Company agrees to pay for and R & D Co. agrees to provide the Billable Hours.

4.0 **FEES**

4.01 The Company shall pay to R & D Co. the Billable Hour Fees.

4.02 The Average Professional Hourly Rate to and including March 31, 1992 shall be the sum of \$120.00.

4.03 The Average Technician Hourly Rate to and including March 31, 1992 shall be the sum of \$82.00.

4.04 For any additional hours for the Services that R & D Co. provides to the Company at the Company's request in any one year in excess of the Billable Hours, the Company agrees to pay to R & D Co. a fee equal to the Competitive Market Rate for the Services which Competitive Market Rate shall be agreed upon by the parties and failing such agreement as determined by arbitration in accordance with the provisions of the Commercial Arbitration Act, S.B.C. 1986 c.3, as amended.

4.05 For any year of this Agreement, notwithstanding that the Billable Hour Fees are less than the Guaranteed Minimum Revenue for that year, the Company is obliged to pay to R & D Co. an amount equal to the difference between the Guaranteed Minimum Revenue and the Billable Hour Fees.

5.0 **PAYMENT OF FEES**

5.01 The Billable Hour Fees shall be paid by monthly instalments in arrears.

5.02 The Additional Billable Hour Fees shall be paid by the Company upon receipt by the Company of monthly invoices from R & D setting out the Additional Billable Hour Fees and the calculation thereof.

6.0 (MANNER BY WHICH EACH PROJECT IS ENTERED INTO WITH R & D Co.)

6.01 R & D Co. covenants and agrees to provide the Services subject to and in accordance with the terms of this Agreement and in accordance with the form of contract attached hereto as Schedule "C" to be entered into by the parties with respect to a Project.

7.0 COVENANTS AND AGREEMENTS OF R & D

R & D Co. covenants and agrees with the Company as follows:

7.01 R & D Co. will maintain as is reasonable the present professional and technical quality and general education and experience levels of the employees of the Business at the date of this Agreement.

7.02 R & D Co. will maintain at least the present quality of research/technical expertise by ensuring that its appropriate employees attend relevant seminars, courses and conferences.

7.03 R & D Co. will maintain and provide professional membership for all research, engineering and technical staff, as appropriate.

8.0 NON-WAIVER

8.01 Neither this Agreement nor any provision hereof may be amended, waived, discharged or terminated orally, but only by an instrument in writing signed by the party against whom enforcement of the amendment, waiver, discharge or termination is sought.

8.02 No waiver or successive waivers on its or their part of any condition of this Agreement shall operate as a discharge of such covenant, agreement or condition or render the same invalid or impair the right of the Company to enforce the same in the event of any subsequent breach or breaches by R & D Co..

9.0 SEVERABILITY

9.01 If any term, covenant or condition of this Agreement or application thereof to any person or circumstance will to any extent be invalid, illegal or unenforceable in any respect, the remainder of this Agreement or application of such term, covenant or condition to such person or circumstance other than those as to which it is held invalid, illegal or unenforceable will not be affected thereby and each term, covenant or condition of this Agreement and this Agreement will be valid and legal and will be enforced to the fullest extent permitted by law.

10.0 TIME OF ESSENCE

10.01 Time will be of the essence of this Agreement in respect of all payments to be made hereunder and all covenants and agreements to be performed and fulfilled. Any extension of time hereunder shall not be deemed to be or operate in law as a waiver on the part of either party that time is to be of the essence of this Agreement.

11.0 **ENTIRETY**

11.01 This Agreement and the attached Schedules hereto constitute the entire agreement between the parties and supersede all prior agreements and understandings whether oral or written relative to the subject matter hereof.

12.0 **TERMINATION**

12.01 This Agreement may be terminated at the option of the Company upon notice reasonable in the circumstances in writing to R & D Co. should R & D Co. be in default in the performance of any term or condition hereof. Upon such termination, any continuing obligations of the Company shall cease.

13.0 **NOTICES**

13.01 All notices, demands, payments required or permitted be given hereunder will be in writing and may be given by delivery or by prepaid first class registered mail addressed to each of the parties at the address specified in the first page hereof or such other address with respect to a party as such party shall notify the other in writing as provided herein. Any notice given shall be deemed to have been received if delivered, on delivery, or if mailed, at the end of four (4) days, excluding Saturdays, Sundays and holidays, after mailing. If there exists a labour dispute or other event at the time of mailing of any notice hereunder or within four (4) days thereafter, excluding Saturdays, Sundays or holidays, which would effect the normal delivery of the notice by Canada Post then notice will only be effective hereunder if actually delivered.

14.0 GOVERNING LAWS

14.01 This Agreement and the rights and obligations of the parties hereto shall be governed by and be construed in accordance with the laws of the Province of British Columbia.

15.0 GRAMMATICAL CHANGES

15.01 All necessary grammatical changes required to make the provisions of this Agreement apply to corporations, associations, partnerships or individuals, males or females, will in all instances be construed.

16.0 HEADINGS

16.01 The headings in this Agreement have been inserted for reference only and do not define, limit, alter or enlarge the meaning of any provision of this Agreement.

17.0 ASSIGNMENT

17.01 This Agreement may not be assigned, in whole or in part, by either party without the prior written consent of the other.


18.0 SUCCESSORS AND ASSIGNS

18.01 This Agreement is binding upon and shall enure to the benefit of the parties hereto and their respective successors and assigns.

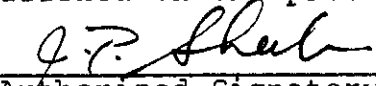
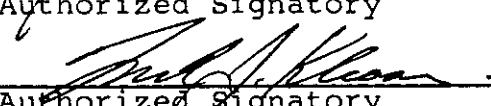
19.0 COUNTERPARTS

19.01 This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which shall constitute but one instrument.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

THE COMMON SEAL OF
BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY
was hereunto affixed in the
presence of:

Authorized Signatory

C/S

THE COMMON SEAL OF 74280
B.C. LTD. was hereunto
affixed in the presence of:

Authorized Signatory

Authorized Signatory

C/S

SCHEDULE "A"

BILLABLE HOURS

Year Ending March 31

Billable Hours

1989
1990
1991
1992

The Billable Hours means the total of those hours necessary to achieve the Guaranteed Minimum Revenue. The Guaranteed Minimum Revenue would then be the aggregate of the product of the Average Professional Hourly Rate and the hours billed for Professionals in that year and the product of the Average Technician Hourly Rate and the hours billed for Technicians in that year.

SCHEDULE "B1"

PROFESSIONALS

Professionals means Principal Technical Staff, including without limitation:

- (a) Professional Engineers or eligible for registration;
- (b) Department Managers;
- (c) Project Managers;
- (d) Supervisors; and
- (e) Principal Investigators.

SCHEDULE "B2"

TECHNICIANS

Technicians means Technical Staff, including without limitation:

- (a) Scientists;
- (b) Certified Engineering Technologists or eligible for certification; and
- (c) Technicians.

SCHEDULE "C"

PROJECT CONTRACT

[Text to follow]

SCHEDULE "D"

PROJECT RECORD REPORT

[Text to follow]

DATED: the 15th day of July, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

74280 B.C. LTD.

RESEARCH & DEVELOPMENT
OPERATING AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-RJA/11-1

File No. 1166/9

BC Gas Inc.

3777 Lougheed Highway
Burnaby, British Columbia
Canada V5C 3Y3

Tel (604) 293-8400
Fax (604) 293-8750

Ben
-7 Please
insert
into the
Binder.
Dr



June 16, 1989

File: 127.2

Mr. E. Gibson
Powertech Labs Inc.
12388 - 88th Avenue
Surrey, B.C.
V3W 7R7

Dear Sir:

I have attached for your records a copy of the executed letter which amends the payment provisions of the Research and Development Operating Agreement.

In future, would you please arrange for invoices for work performed during the past month to be sent directly to Mr. C. Chang at the above address. Mr. Chang will arrange for the invoices to be reviewed and processed by Financial.

Yours very truly,

A handwritten signature in dark ink, appearing to be "L. R. Dear", written over a horizontal line.

L. R. Dear, Director
Contract Services

LRD/chm
Attach.

cc: C. Chang } with attachments
D. W. McPherson }

bcc: L. J. Cropley }
C. F. Hess } with attachments
D. M. Masuhara }
T. P. Raphael }

chm057/890616

JUN 18 1989

BC Gas Inc.

3777 Lougheed Highway
Burnaby, British Columbia
Canada V5C 3-3

Tel (604) 293-8400
Fax (604) 293-8750



May 8, 1989

File: 127.2

Powertech Labs Inc.
12388 - 88th Avenue
Surrey, B.C.
V3W 7R7

Attention: Mr. E. Gibson

Dear Sir::

Re: Amended and Restated Research and Development
Operating Agreement - September 29, 1989
between B.C. Gas Inc. ("B.C. Gas") and
B.C. Hydro and Power Authority ("B.C. Hydro")
(the "Agreement")

We refer to the Agreement. We confirm that B.C. Gas Inc. ("B.C. Gas") and Powertech Labs Inc. ("Powertech") who is the assignee of the rights and obligations of B.C. Hydro and Power Authority contained in the Agreement, have agreed to amend the Agreement as follows:

1. The parties acknowledge that it is difficult and impractical to match the Billable Hours precisely with the Guaranteed Minimum Revenue for each Contract Year as the type of work, the availability of personnel, scheduling and other related matters vary. Accordingly, paragraphs 3.02 and 3.03 of the Agreement are deleted in their entirety and substituted with the following paragraphs, respectively:

"3.02 Upon reasonable notice prior to or during a Contract Year, the Company may elect to reduce the Billable Hours in that Contract Year to a maximum 20% reduction, provided Hydro consents to such reduced Billable Hours, such consent not to be unreasonably withheld. If in any Contract Year Hydro agrees to provide reduced Billable Hours pursuant to this paragraph, the Company need not pay the Guaranteed Minimum Revenue for that Contract Year and may pay a proportionately reduced Guaranteed Minimum Revenue for that Contract Year according to the reduced Billable Hours; provided that by March 31, 1992 the aggregate Guaranteed Minimum Revenue of \$2,188,658.00 shall have been paid by the Company to Hydro.

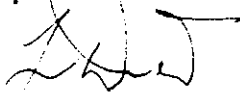
. . . /2

- 3.03 Upon reasonable notice prior to or during a Contract Year, the Company may elect to increase the Billable Hours in that Contract Year to a maximum 20% increase, provided Hydro consents to such increased Billable Hours, such consent not to be unreasonably withheld. If in any Contract Year Hydro agrees to provide additional Billable Hours pursuant to this paragraph, the Company may pay a proportionately increased Guaranteed Minimum Revenue for that Contract Year according to the additional Billable Hours; provided that by March 31, 1992 the aggregate Guaranteed Minimum Revenue of \$2,188,658.00 shall have been paid by the Company to Hydro."
2. Paragraph 5.02 of the Agreement is deleted in its entirety and substituted with the following:
- "5.02 The Company will pay Hydro the amount invoiced by Hydro within ten (10) days following receipt of each monthly invoice for Billable Hour Fees applicable for that month calculated in accordance with the fees set out in section 4.0 herein."
3. Paragraph 5.05 of the Agreement is inserted and reads as follows:
- "5.05 The Company will pay interest to Hydro on any and all overdue amounts at the rate of interest of 1.5% per month (equivalent to 19.6% per annum compounded monthly) payable on invoice."
4. Paragraph 5.06 of the Agreement is inserted and reads as follows:
- "5.06 Hydro will prepare and maintain records related to the Services provided under this Agreement. These records will be open to audit examination by the Company during regular business hours of Hydro during the term of this Agreement and for a period of one (1) year after the termination of this Agreement."

. . . /3

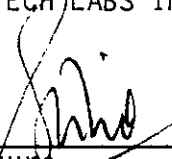
If the foregoing reflects the agreement reached between our respective companies, please so indicate by endorsing where indicated and returning it to me. I will arrange for the letter to be signed by B.C. Hydro and will send copies of the executed document to both Powertech and B.C. Hydro..

Yours very truly,
B.C. Gas Inc.
Per:



L.R. Dear, Director
General Services

AGREED THIS 14 DAY OF June, 1989
POWERTECH LABS INC.
Per:



Signature

Director of Administration

Title

AMENDMENTS CONSENTED TO BY:
B.C. HYDRO AND POWER AUTHORITY
Per:



Signature

Business Development
Title

For Personal Contact:

Tel. (604) 663-2929



British Columbia Hydro and Power Authority
970 Burrard Street Vancouver B.C. V6Z 1Y3
Telex 04-54512

*Alu
→ file put
in binch.*

February 20, 1989

Mr. L.R. Dear
Director, Contract Services
B.C. Gas Inc.
3777 Lougheed Highway
Burnaby, B.C.
V5C 3Y3

Dear Mr. Dear:

Re: Amended & Restated Research & Development
Operating Agreement - 29 September 1988
AMENDMENT NO. 1

This will confirm that B.C. Gas Inc. and B.C. Hydro and Power Authority have agreed to amend Clause 5.0, Payment of Fees, by revising subclause 5.01 as follows: (the revision is underlined)

"5.01 The Company will pay Hydro on the last day of each month, during the term of this Agreement, the sum of \$49,166.67 (\$25,324.64 for the part month from July 16, 1988 to July 31, 1988) being the Guaranteed Minimum Revenue for one month."

If the foregoing reflects the agreement reached between our respective companies, please so indicate by endorsing where indicated on the enclosed copy of this letter and returning same to me.

Yours very truly,

B.C. HYDRO & POWER AUTHORITY

Per: *D.W. McPherson*

D.W. McPherson
Management Services

AGREED AND CONSENTED TO THIS 21 DAY OF February, 1989.

B.C. GAS INC.

Per: *[Signature]*

(Signature)

Director, Contract Services
(Title)

**AMENDED AND RESTATED
RESEARCH & DEVELOPMENT OPERATING AGREEMENT**

THIS AGREEMENT made as of the 29th day of September, 1988 is an amendment and re-statement of an agreement made as of July 15, 1988 between the parties noted below.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, c. 188

(the "Hydro")

OF THE FIRST PART

AND:

B.C. GAS INC., a body corporate under the laws of the Province of British Columbia, having its registered office at 2800 - 595 Burrard Street, Vancouver, in the Province of British Columbia

(the "Company")

OF THE SECOND PART

W H E R E A S:

A. The Company carries on gas utility operations in the Lower Mainland of the Province of British Columbia;

B. The Company desires to contract with Hydro for the provision by Hydro of testing, problem solving and research and development programs for the purposes of the Company's gas utility operations; and

C. Hydro represents that it is equipped and qualified to perform the services required by the Company as described.

NOW, THEREFORE, in consideration of the premises and of the mutual covenants and agreements contained herein, the parties hereto represent, warrant, covenant and agree as follows:

1.0 DEFINITIONS

Where used herein or in any amendment hereto, unless the context otherwise requires, each of the following words shall have the meaning set forth as follows:

- (a) **"Additional Billable Hour Fees"** means those fees payable by the Company to Hydro in accordance with Paragraph 4.04 of this Agreement;
- (b) **"Agreement"** means the agreement resultant upon the full execution of this document by all parties hereto including the schedules attached together with any amendments thereof;
- (c) **"Average Professional Hourly Rate"** means the amount payable by the Company to Hydro for each Billable Hour as provided in paragraph 4.02 for Professionals;
- (d) **"Average Technician Hourly Rate"** means the amount payable by the Company to Hydro for each Billable Hour as provided in paragraph 4.03 for Technicians;
- (e) **"Billable Hours"** means the total of hours representing services provided by Hydro to the Company, any of its related or affiliated companies, as described in Schedule "E" hereto (the "Related Company") or any joint venture, partnership or consortium in which the Company or a Related Company has an interest, in any one year as set out in Schedule "A";

- (f) **"Billable Hour Fees"** means the aggregate of the product of the Average Professional Hourly Rate and that portion of the Billable Hours provided by Professionals and the product of the Average Technician Hourly Rate and that portion of the Billable Hours provided by Technicians, as the case may be;
- (g) **"Business"** means the testing, problem solving and research and development programs of Hydro together with any ancillary business;
- (h) **"Competitive Market Rate"** means the product of the Multiplier and the Hourly Payroll Cost determined annually for Professionals or for Technicians, as the case may be, providing services in arms length transactions in the marketplace similar to the testing, problem solving and research and development programs available and being provided by Hydro;
- (i) **"Contract Year"** means each successive twelve-month period of the term commencing April 1, 1989;
- (j) **"Guaranteed Minimum Revenue"** means, for the period ending March 31, 1989 the sum of \$418,658 and for each period ending March 31, 1990, March 31, 1991 and March 31, 1992, the sum of \$590,000, being in aggregate \$2,188,658.
- (k) **"Hourly Payroll Cost"** means the aggregate of the annual salary and fringe benefits received by a person as a result of his employment divided by 1575 with such fringe benefits being an amount equal to the employer's share of employee benefits including, without limitation, dental, health and medical insurance, group life and disability insurance, company and Government of

Canada pensions; worker's compensation payments and unemployment insurance contributions, but excluding any bonuses or profit-sharing;

- (l) **"Multiplier"** means 2.3;
- (m) **"Professionals"** means those job classifications as set out in Schedule "B1" hereto;
- (n) **"Project"** means the services provided to the Company by Hydro for which a Project Contract is issued;
- (o) **"Project Contract"** means a contract substantially in the form of the Contract attached hereto as Schedule "C", to be finalized by the parties by October 30, 1988;
- (p) **"Project Record Report"** means an authorization by the Company to Hydro to proceed with respect to a Project in the form of the report attached hereto as Schedule "D";
- (q) **"Services"** means technical investigations, test equipment set up and dismantling, requested consultation, project report preparation and project research all as and identified on a Project Record Report and does not include, without limitation, clerical support, administration, training, safety meetings, conference attendance, proposal preparation and marketing unless otherwise agreed to by the Company; and
- (r) **"Technicians"** means those job classifications as set out in Schedule "B2" hereto.

2.0 TERM

The Company hereby engages Hydro to perform the Services and Hydro agrees to perform the Services for the Company, any Related Company, or any joint venture, partnership or consortium in which the Company or a Related Company has an interest, pursuant to and in accordance with paragraph 6.0 for the period commencing on July 16, 1988 and expiring on March 31, 1992 unless this Agreement shall be terminated at an earlier date.

3.0 SERVICES

3.01 The Company agrees to pay for and Hydro agrees to provide the Billable Hours.

3.02 Upon notice on or before the commencement of each Contract Year, other than the last Contract Year, the Company may elect to reduce the Billable Hours in that Contract Year to a maximum 20% reduction, provided Hydro consents to such reduced Billable Hours, such consent not to be unreasonably withheld. If in any Contract Year Hydro agrees to provide reduced Billable Hours pursuant to this paragraph, the Company need not pay the Guaranteed Minimum Revenue for that Contract Year and may pay a proportionately reduced Guaranteed Minimum Revenue for that Contract Year according to the reduced Billable Hours; provided that the Company shall increase its payments and Hydro shall provide increased Billable Hours in the following Contract Years, so that by March 31, 1992 the aggregate Guaranteed Minimum Revenue of \$2,188,658 shall have been paid by the Company to Hydro.

3.03 Upon notice on or before the commencement of each Contract Year, other than the last Contract Year, the Company may elect to increase the Billable Hours in that Contract Year to a maximum 20% increase, provided Hydro consents to such increased

Billable Hours, such consent not to be unreasonably withheld. If in any Contract Year Hydro agrees to provide additional Billable Hours pursuant to this paragraph, the Company shall pay a proportionately increased Guaranteed Minimum Revenue for that Contract Year according to the additional Billable Hours; provided that the Company may decrease its payments and Hydro shall provide decreased Billable Hours in the following Contract Years, so that by March 31, 1992 the aggregate Guaranteed Minimum Revenue of \$2,188,658 shall have been paid by the Company to Hydro.

4.0 FEEs

4.01 The Company shall pay to Hydro the Billable Hour Fees.

4.02 The Average Professional Hourly Rate to and including March 31, 1992 shall be the sum of \$120.00.

4.03 The Average Technician Hourly Rate to and including March 31, 1992 shall be the sum of \$82.00.

4.04 Other than in respect of those increased Billable Hours provided under section 3.03 herein, for any additional hours for the Services that Hydro provides to the Company at the Company's request in any one year in excess of the Billable Hours the Company agrees to pay to Hydro a fee equal to the Competitive Market Rate for the Services which Competitive Market Rate shall be agreed upon by the parties and failing such agreement as determined by arbitration in accordance with the provisions of the Commercial Arbitration Act, S.B.C. 1986 c.3, as amended.

5.0 PAYMENT OF FEES

5.01 The Company will pay Hydro on the last day of each month, during the term of this Agreement, the sum of \$49,166.67

(\$25,863 for the part month from July 16, 1988 to July 31, 1988) being the Guaranteed Minimum Revenue for one month.

5.02 For each month of each Contract Year the Billable Hour Fees will be compared on a cumulative basis with the Guaranteed Minimum Revenue for that Contract Year. Once a cumulative Billable Hour Fee for the Contract Year equals the Guaranteed Minimum Revenue then any additional hours worked will be billed at rates determined in accordance with paragraph 4.04.

5.03 Hydro will provide to the Company in arrears on or after the 15th day of each month, where appropriate, a written statement of account showing the fees for the additional hours, for the month preceding the month in which the statement is submitted, with hours and applicable detail.

5.04 Within 30 days receipt by the Company of any written statement of account contemplated in paragraph 5.03 herein, the Company will pay to Hydro the fees referred to and shown on such statement of account.

6.0 MANNER BY WHICH EACH PROJECT IS ENTERED INTO WITH HYDRO

6.01 Hydro covenants and agrees to provide the Services subject to and in accordance with the terms of this Agreement and in accordance with the form of contract attached hereto as Schedule "C" to be entered into by the parties with respect to a Project.

6.02 When negotiating the terms of each Project Contract, where appropriate the parties will consider, inter alia, a licence with respect to any intellectual property.

7.0 COVENANTS AND AGREEMENTS OF HYDRO

Hydro covenants and agrees with the Company as follows:

7.01 Hydro will provide the Services at least according to the general quality and standard of services it has provided to the Mainland Gas Division during the last two years.

7.02 Hydro will maintain as is reasonable the present professional and technical quality and general education and experience levels of the employees of the Business at the date of this Agreement.

7.03 Hydro will maintain at least the present quality of research/technical expertise by ensuring that its appropriate employees attend relevant seminars, courses and conferences.

7.04 Hydro will maintain and provide professional membership for all research, engineering and technical staff, as appropriate.

7.05 Hydro will maintain adequate numbers of employees to meet the workload equivalent of the Guaranteed Minimum Revenue.

8.0 CONFIDENTIALITY/OWNERSHIP OF INVENTIONS

Except as provided for by law or otherwise by this Agreement, each party will treat as confidential and will not, without the prior written consent of the other party, publish, release, disclose or permit to be disclosed to any person or corporation, either before, during or after termination of this Agreement any confidential information of the other party that is supplied to, obtained by, or comes to the knowledge of each party as a result of this Agreement or a Project Contract, and each

party will use confidential information of the other only for the purposes of this Agreement or a Project Contract. In this Agreement, information shall be considered to be confidential to and owned by a party (the "Owner") when it relates in any way to the assets, business, or activities of the Owner and is not generally known, but shall not include information that is in the public domain, that is known by the other party before learning of it through the Owner, or that is learned of through a third party who acquires and discloses it without breaching any obligations of confidentiality or good faith. As between the parties, all confidential information, intellectual property, and related rights and interest in work-product generated by or as a consequence of the Services, including but not restricted to inventions, trade secrets, designs, plans, data, concepts, drawings, confidential information, prototypes, and all other materials, ideas, and information shall belong exclusively to the Company and will be treated by Hydro as confidential. Hydro will promptly execute and deliver to the Company such further instruments and do such further acts as may be reasonably required by the Company to vest, effect, perfect, register, or record its rights and interest in such items. Hydro will take all appropriate steps to ensure that its employees are bound by all the obligations and commitments of Hydro under this paragraph.

9.0 THIRD PARTIES

9.01 The Company agrees to provide access to Hydro to its operations as is reasonable to allow Hydro the opportunity to obtain information to assist in its making proposals to the Company for a Project or for proposing a project to be done on behalf of the Company by Hydro.

9.02 Subject to 9.03 herein, the Company agrees to give Hydro the opportunity to submit a proposal on any project requiring research and development services similar to the Services provided

hereunder for which the Company requests proposals from any other person or corporation other than a Related Company, and agrees to disclose to Hydro any information with respect to such requests for proposals as is disclosed by the Company to any other proponent.,

9.03 Paragraph 9.02 shall not apply when providing Hydro with the opportunity to submit a proposal could reasonably be expected by the Company to materially and adversely affect the Company or the project.

10.0 NON-WAIVER

10.01 Neither this Agreement nor any provision hereof may be amended, waived, discharged or terminated orally, but only by an instrument in writing signed by the party against whom enforcement of the amendment, waiver, discharge or termination is sought.

10.02 No waiver or successive waivers on its or their part of any condition of this Agreement shall operate as a discharge of such covenant, agreement or condition or render the same invalid or impair the right of the Company to enforce the same in the event of any subsequent breach or breaches by Hydro.

11.0 DISPUTE LIMITATION

11.01 A party shall not commence any legal proceedings against the other party in respect of the interpretation or enforcement of this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party, following which either party shall have the right to submit any dispute with the other party arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment

thereof, and the decision of the arbitration panel shall be final and binding.

11.02 Notwithstanding any statutory limitation to the contrary, a party shall not commence any action, arbitration or other proceeding between the parties after the expiry of a period of two (2) years after termination of this Agreement.

12.0 SUSPENSION

If as a result of any emergency or force beyond the reasonable control of either party herein or strike, lockout or other such disturbance of either party (the "Force Majeure"), either party is or was wholly or partly unable because of the Force Majeure, to perform an obligation arising from this Agreement and claims that a Force Majeure is occurring or has occurred and reasonably establishes that fact, then the performance of the obligation shall be deemed to be suspended provided always that:

- (a) the suspension shall be of no greater scope and no longer duration than the Force Majeure,
- (b) the non-performing party shall make its best efforts to counter the Force Majeure or to otherwise remedy its inability to perform the obligation,
- (c) a performance required at a time other than when the Force Majeure is occurring shall not be excused by the Force Majeure,
- (d) an obligation to pay the monthly Guaranteed Minimum Revenue when due shall not be excused by the Force Majeure, and

- (e) if there occurs a material delay in the performance of the obligations under any Project Contract because of a Force Majeure on the part of Hydro, the Company, acting reasonably, may elect to contract with another party to complete the Project Contract on the same terms, other than price, as originally negotiated with Hydro, in which event the amount paid by the Company to that other party to complete the Project Contract shall be a credit to the Guaranteed Minimum Revenue, or may elect to pay the Guaranteed Minimum Revenue as proportionately reduced by the estimated Billable Hours remaining to be provided in respect of that Project.

13.0 SEVERABILITY

If any term, covenant or condition of this Agreement or application thereof to any person or circumstance will to any extent be invalid, illegal or unenforceable in any respect, the remainder of this Agreement or application of such term, covenant or condition to such person or circumstance other than those as to which it is held invalid, illegal or unenforceable will not be affected thereby and each term, covenant or condition of this Agreement and this Agreement will be valid and legal and will be enforced to the fullest extent permitted by law.

14.0 TIME OF ESSENCE

Time will be of the essence of this Agreement in respect of all payments to be made hereunder and all covenants and agreements to be performed and fulfilled. Any extension of time hereunder shall not be deemed to be or operate in law as a waiver on the part of either party that time is to be of the essence of this Agreement.

15.0 ENTIRETY

This Agreement and the attached Schedules hereto constitute the entire agreement between the parties and supersede all prior agreements and understandings whether oral or written relative to the subject matter hereof.

16.0 TERMINATION

16.01 Any one or more of the following events shall constitute an Event of Default whether any such Event of Default shall be voluntary or involuntary or be effected by operation of law or pursuant to or in compliance with any judgment, decree or order of any court or any order, rule or regulation of any administrative or governmental body:

- (a) the failure by Hydro to perform or observe any of the terms or conditions to be performed or observed by Hydro hereunder;
- (b) an order is made or a resolution is passed or a petition is filed for the liquidation or winding-up of Hydro's Successor (as defined in paragraph 22.01 herein);
- (c) Hydro's Successor commits an act of bankruptcy and makes a general assignment for the benefit of its creditors or otherwise acknowledges its insolvency;
- (d) the appointment of a receiver, receiver-manager or receiver and manager of Hydro's Successor or any part of its assets.

16.02 After any event of default has occurred and continues unremedied for a period of 15 days after delivery by the Company of written notice thereof to Hydro or Hydro's Successor, as the

case may be, the Company may, in its discretion, by written notice to Hydro or Hydro's Successor, as the case may be, declare this Agreement to be in default and terminate all or any remaining obligations of the Company hereunder and under all Project Contracts,, unless Hydro has exercised its option to purchase the assets and business of Hydro's Successor, in which event, notwithstanding the Event of Default, this Agreement will not be terminated, nor any Project Contract, nor shall the Company's obligations hereunder be terminated.

16.03 Termination shall be subject to the rights and remedies of both parties accruing to the date of termination and such rights and remedies shall survive such termination.

17.0 DEFAULT UNDER PROJECT CONTRACT

Unless otherwise constituting a default in the performance of any term or condition of this Agreement, a default by either Hydro or the Company under any Project Contract shall not constitute a default under this Agreement and shall not allow the non-defaulting party to terminate this Agreement.

18.0 NOTICES

Any notice, report or other document that either party may be required or may desire to give to the other party shall be in writing, unless otherwise specified herein, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex, or facsimile copier, when received:

(a) if to the Company:

B.C. Gas Inc.
#2300, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: Secretary

(b) if to B.C. Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

19.0 GOVERNING LAWS

This Agreement and the rights and obligations of the parties hereto shall be governed by and be construed in accordance with the laws of the Province of British Columbia.

20.0 GRAMMATICAL CHANGES

All necessary grammatical changes required to make the provisions of this Agreement apply to corporations, associations, partnerships or individuals, males or females, will in all instances be construed.

21.0 HEADINGS

The headings in this Agreement have been inserted for reference only and do not define, limit, alter or enlarge the meaning of any provision of this Agreement.

22.0 ASSIGNMENT

22.01 This Agreement may only be assigned by Hydro to a successor R&D company to which Hydro's R&D division has been sold as a part of Privatization ("Hydro's Successor"), without the prior consent of the Company being required. Upon such assignment, Hydro shall be fully released from its obligations hereunder by the Company, such release to occur if the Company is reasonably satisfied as to the financial resources of Hydro's Successor in relation to its obligations under the Agreement.

22.02 Hydro's Successor may not:

- (a) assign or agree to assign this Agreement to another corporation unless the proposed assignment is part of a transaction that transfers all or substantially all the assets of Hydro's Successor to the assignee; or
- (b) become involved in any transaction or corporate reorganization that alters the control (as defined by the Canada Business Corporations Act) or the legal identity of Hydro's Successor, including but not limited to a disposition or issuance of shares, an amalgamation or merger with another corporation, a winding-up, or an arrangement under Section 276 of the Company Act (British Columbia) or otherwise, unless the transaction or corporate reorganization does not materially impair the capability of Hydro's Successor or any new entity created by the transaction or corporate organization to fulfill Hydro's Successor's obligations hereunder;

and, in any event, Hydro's Successor may not make or engage in any such assignment, transaction, or corporate reorganization unless the Company first consents to same in writing, such consent not to be unreasonably withheld, provided however, the shares in the

capital of Hydro's successor may, without the prior written consent of the Company being required, be issued to employees of Hydro's successor or to corporations controlled by employees of Hydro's successor or immediate family members of employees of Hydro's successor and such shares be transferred one to the other and such shares be purchased or redeemed by Hydro's successor with the intent that Hydro's successor shall at all times be controlled by its employees. As a condition of giving its consent to any such assignment, transaction, or corporate reorganization, the Company will be entitled to require the assignee, new legal entity, or party acquiring control to agree in writing to assume and be bound by all of the obligations of Hydro's Successor under this Agreement, including the provisions of this paragraph. All later successors and assigns of Hydro's interest in this Agreement will be subject to all the restrictions on assignment imposed by this paragraph on Hydro's Successor.

23.0 SUB-CONTRACTING

Hydro may sub-contract part of the Services to any person or corporation, provided that for material sub-contracting of Services the Company consents, such consent not to be unreasonably withheld.

24.0 SUCCESSORS AND ASSIGNS


This Agreement is binding upon and shall enure to the benefit of the parties hereto and their respective successors and assigns.

25.0


COUNTERPARTS

This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which shall constitute but one instrument.

IN WITNESS WHEREOF, the parties hereto have executed this Agreement as of the day and year first above written.

THE COMMON SEAL OF
BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY
was hereunto affixed in the
presence of:

Authorized Signatory

C/S

THE COMMON SEAL OF B.C. GAS
INC. was hereunto affixed
in the presence of:

Authorized Signatory

C/S

WPD-RJA/11,11A-1

SCHEDULE "A"

BILLABLE HOURS

Year Ending March 31

Billable Hours

1989
1990
1991
1992

The Billable Hours means the total of those hours necessary to achieve the Guaranteed Minimum Revenue. The Guaranteed Minimum Revenue would then be the aggregate of the product of the Average Professional Hourly Rate and the hours billed for Professionals in that year and the product of the Average Technician Hourly Rate and the hours billed for Technicians in that year.

SCHEDULE "B1"

PROFESSIONALS

Professionals means Principal Technical Staff, including without limitation:

- (a) Professional Engineers or persons who are eligible for registration;
- (b) Department Managers;
- (c) Project Managers;
- (d) Supervisors; and
- (e) Principal Investigators.

SCHEDULE "B2"

TECHNICIANS

Technicians means Technical Staff, including without limitation:

- (a) Scientists;
- (b) Certified Engineering Technologists or persons who are eligible for certification; and
- (c) Technicians.

SCHEDULE "C"

PROJECT CONTRACT

THIS AGREEMENT made as of the 29th day of September,
1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a Crown Corporation established pursuant to an
act of the Province of British Columbia and
continued under the Hydro and Power Authority
Act, R.S.B.C. 1979, Chapter 188, as amended

(herein called "**Hydro**")

OF THE FIRST PART

AND:

B.C. GAS INC., a company duly incorporated
under the laws of the Province of British
Columbia, having its registered office at 2800
- 595 Burrard Street, Vancouver, British Columbia

(herein called the "**Company**")

OF THE SECOND PART

W H E R E A S:

A. By that certain "Amended and Restated Research & Development Operating Agreement" between Hydro and the Company dated the 27th day of September, 1988 (the "Research Agreement"), Hydro agreed to provide to the Company, and the Company agreed to purchase from Hydro, testing, problem-solving and research and development services ("Services") relating to natural gas, its use, transportation, and supply to consumers.

B. The Research Agreement provided that the Services would be provided on a project basis using for each such project a separate contract in the form of this Agreement.

THIS AGREEMENT WITNESSETH the Company and Hydro, for the considerations hereinafter set forth, covenant, promise and agree as follows:

ARTICLE 1

WORK

1.1 Hydro shall perform the work (the "Work") set forth in Appendix "A" attached hereto. The Work shall entail the performance of the particular Services and the provision of the deliverables (the "Deliverables") referred to in Appendix "A".

1.2 The estimated time for performance of the Work and the estimated performance milestones to be achieved in the course of providing the Work shall be as set forth in Appendix "A". Hydro shall make all reasonable efforts to complete all the work, including meeting all performance milestones, submitting the final technical report, and delivering all Deliverables in accordance with such time limits and milestones. Hydro shall not be liable to the Company if it fails to meet such time limits and milestones, but such failure shall entitle the Company to terminate this Agreement as contemplated in Article 9.

1.3 The Company shall cooperate with and assist Hydro to perform the Work as follows:

- (a) the Company shall provide Hydro with information that is in the Company's possession or control and is needed by Hydro to enable it to perform the Work, promptly when requested to do so by Hydro;
- (b) when the Company's verification, validation, and/or review of material prepared by Hydro is required, the Company shall promptly attend to same.

The Company shall not be liable to Hydro if it fails to provide such assistance as required, but all applicable time limits and milestones shall be extended by the amount of time that is lost as a consequence of the Company's delay in providing such assistance;

1.4 Whenever Hydro knows or reasonably should know that any actual or potential condition due to a Force Majeure (as defined in the Research Agreement) is delaying or threatens to delay the timely performance of the Work, Hydro shall give the Company reasonable written notice thereof, including all relevant information with respect thereto and shall keep the Company reasonably informed during any suspension of the Work. Once a suspension has ended the parties, unless there has been a material delay in the performance of the obligations under this Project Contract because of a Force Majeure in which case subparagraph 12.0(e) of the Research Agreement applies, shall negotiate such changes in the terms and conditions as are reasonable in the circumstances.

1.5 Except as expressly provided otherwise by this Agreement, the Research Agreement will govern the Work and the rights and obligations of the parties in respect thereof.

1.6 The Work will meet the standards and criteria set out in Appendix "A", if any, and the general standards set out in the Research Agreement.

ARTICLE 2

REVISIONS

2.1 The Company may, at any time, by written order to Hydro, make changes within the general scope of the Work, including but not limited to:

(a) revising or adding to the Work, or deleting portions thereof, or

(b) revising the period or schedule of performance.

2.2 Upon receipt of such notice of change, Hydro shall immediately take all reasonable steps to comply therewith and to minimize costs assignable to Work added, eliminated, accelerated, delayed or suspended.

ARTICLE 3 REPORTS

3.1 Hydro shall submit progress reports to the Company at such intervals as set forth in Appendix "A" and in the format set out in Appendix "B". Progress reports shall be in sufficient detail to disclose all work accomplished and results achieved during the reporting period. Hydro shall diligently address itself and shall respond to the comments of the Company's technical advisors to all reports. The reports shall include an executive summary which briefly describes the project and sets forth the important results and contents of the report. Hydro shall submit to the Company in final form the number of copies of each technical progress report as set forth in Appendix "A".

3.2 Upon the completion or termination of the Work, Hydro shall submit to the Company a comprehensive final technical report covering all Work performed and results achieved under this Agreement, including conclusions and recommendations derived therefrom and a bibliography of background research. The final report shall include a complete disclosure of all materials, processes and equipment employed, and shall be clear, concise, precise and shall include data such as mathematical, graphic and written descriptive materials and other means of disclosure appropriate in the circumstances to enable any person skilled in

the art to achieve similar results as the Work performed under this Agreement. Hydro shall furnish, to the extent applicable, drawings, specifications, technical documentation, and the necessary operating and maintenance instructions concerning any equipment, item or process developed under the Agreement to enable any person skilled in the art to understand and use such equipment, item or process. Where appropriate, the final report shall also include recommendations for further improvements which would advance the future state-of-the-art based on knowledge acquired in the performance of the Work. The final report will be submitted to the Company in preliminary form for review and comment prior to final printing. Hydro, once Company approval of the final report is obtained, shall make available to the Company the reproducible master of the final report for printing.

3.3 A legal notice shall be affixed to each final report furnished by Hydro to the Company hereunder. The wording for this legal notice is as follows:

NOTICE

This report was prepared by Hydro and sponsored by B.C. Gas Inc. (the Company), which does not necessarily agree with the opinions expressed herein.

Neither the Company (including its members), nor Hydro, nor any other person acting on their behalf makes any warranty, express or implied, or assumes any legal responsibility for the accuracy of any information or for the completeness or usefulness of any apparatus, product or process disclosed, or accept liability for the use, or damages resulting from the use, thereof. Neither do they represent that their use would not infringe upon privately owned rights.

Any reference in this report to any specific commercial product, process or service by tradename, trademark, manufacturer or otherwise does not necessarily constitute or imply its endorsement or recommendation by the Company or any of its members.

ARTICLE 4

DATA

4.1 Hydro agrees to create and maintain (in sufficient detail as will properly reflect all Work done and results achieved in the performance of this Agreement) all books, records, reports, research notes, charts, graphs, comments, computations, analyses, recordings, photographs, computer programs and related documentation, computer information storage means, samples of materials, and all other data compiled, generated, or created in connection with the Work whether in written, graphic, encoded or any other form (all of which material and data is hereinafter collectively referred to as "Data").

4.2 Unless otherwise stipulated in Appendix "A, all Data including computer programs procured hereunder, shall become the property of the Company upon creation or acquisition by Hydro and shall be delivered to the Company upon request; provided, however, that Hydro shall not be required to retain any Data not requested by the Company within two years from the date of final payment to Hydro hereunder; and provided, further, that until such delivery to the Company, Hydro agrees to permit representatives of the Company to examine and review at reasonable times all Data still in the possession of Hydro.

ARTICLE 5

VISITS AND INSPECTIONS

5.1 The Company and any of its authorized representatives shall have the right during ordinary business hours to visit and inspect the offices of Hydro and its subcontractors, if any, and the site or sites at which the Work is being performed, to the extent that such visits do not unreasonably interfere with the Work and, when nuclear materials or processes are involved, subject to compliance with government regulations.

5.2 Hydro shall provide all reasonable facilities and assistance for the safety and convenience of such representatives during their visits, including making personnel engaged in the performance of the Work available for consultation at all reasonable times.

ARTICLE 6

PERSONNEL

6.1 The key personnel set forth in Appendix "A" are considered essential to the Work being performed under this Agreement; substitutions for any such key personnel or substantial reductions in any of their efforts shall not be made without the prior written approval of the Company. Hydro, in its discretion, shall assign and manage all other personnel required to complete the Work.

ARTICLE 7

PUBLICITY RELEASE AND TECHNICAL PUBLICATIONS

7.1 Each of the Company and Hydro may disclose information on the existence and progress of the Work in their respective House Organs, Annual Reports, and other internal publications but shall not disclose any confidential information of the other and shall in all cases abide by the confidentiality provisions of the Research Agreement.

7.2 Subject to the provisions of Article 7.1, no publicity releases (including news releases and advertising) relating to this Agreement and the Work hereunder shall be issued by Hydro without the prior written consent of the Company.

7.3 Subject to the provisions of Article 7.1 the Company shall not use Hydro's name in any publicity releases (including

news releases and advertising) relating to this Agreement and the Work hereunder without prior written consent of Hydro.

ARTICLE 8
TERMINATION

8.1 The Company will be entitled to terminate this Agreement upon the occurrence of any of the following events, as follows:

- (a) for its own convenience, by giving Hydro written notice of "termination for convenience", which will be effective ____ days after it is received by Hydro;
- (b) if for any reason other than a Force Majeure or the Company's failure to comply with paragraph 1.3, Hydro defaults in the observance or performance of any of its obligations under this Agreement and it fails to remedy the default within 30 days after receiving written notice to do so from the Company, and the Company then gives it written notice of termination for cause, which will be effective upon receipt; or
- (c) upon Hydro becoming bankrupt or making an assignment for the benefit of creditors, or upon a receiver or trustee in bankruptcy being appointed for Hydro or any of its assets, or upon any proceeding in bankruptcy, receivership, or liquidation being instituted against Hydro and continuing for 30 days without being dismissed, and the Company then giving Hydro written notice of termination for cause, which will be effective upon receipt.

ARTICLE 9

GENERAL

9.1 This Agreement together with the Research Agreement constitutes the entire agreement between the parties regarding this subject matter and there are no understandings or agreements collateral hereto, oral or otherwise, and no representations or warranties, express or implied relative to the subject matter hereof.

9.2 Any notice, report or other document that either party may be required or may desire to give to the other party shall be in writing, unless otherwise specified herein, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex, or facsimile copier, when received:

(a) if to the Company:

B.C. Gas Inc.
#2300, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: Secretary

(b) if to B.C. Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

or at such other address as either party may from time to time designate by notice in writing to the other.

9.3 The parties will do such reasonable acts and things and execute and deliver such further and other documents and

assurances as may be reasonably required for the purposes of carrying out the true meaning and intent of this Agreement.


9.4 This Agreement shall be governed by and construed in accordance with the laws of the Province of British Columbia and the laws of Canada where applicable.

9.5 The headings or captions appearing in this Agreement are inserted for ease of reference only and shall have no effect on the construction or interpretation of this Agreement.

9.6 This Agreement will enure to the benefit of and be binding upon the parties hereto and their heirs, executors, administrators, successors and assigns of the parties. This Agreement may be assigned by Hydro only together with the Research Agreement, in accordance with paragraph 22.0 of that Agreement.

IN WITNESS WHEREOF the parties have executed this Agreement as of the day and year first above written.

THE COMMON SEAL OF
BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY
was hereunto affixed in the
presence of


Authorized Signatory

C/S

THE COMMON SEAL OF B.C. GAS
INC. was hereunto affixed
in the presence of:

Authorized Signatory

C/S

Authorized Signatory

APPENDIX "A"

RESEARCH AND DEVELOPMENT PROJECT RECORD

PROJECT TITLE:

COMPUTER TITLE:

PROJECT ASSIGNED TO:

SECTION:

ESTIMATE OF TIME:	INITIAL	REV.
Date Initiated :		
Schedule Start :		
Scheduled Completion:		
R & D Man-Hours Prof:		
R & D Man-Hours Tech:		

REPORT TO:

Name :
Location:

PURPOSE OF PROJECT:

DESCRIPTION OF PROJECT:

Key Personnel :
Technical Advisor(s):
Services :
Deliverables :

SPECIAL INSTRUCTIONS:

PROPOSED ACTION:

Milestones:
Reporting :
Reporting Periods:
Number of Copies :

PROJECT JUSTIFICATION:

LICENSES TO BE GRANTED (if any):

REQUESTED BY:

Name : B.C. Gas Inc.
Department:
Division :
Ref : Date:
Cost Dist :

AUTHORIZED BY: _____

[The foregoing categories of information are only intended to represent the basic sorts of information to be set out for particular projects and are not intended to be binding or limiting.]

APPENDIX "B"
PROGRESS REPORTS

Suggested Format
(Report From (Hydro) to the Company

Title

Reporting Period

Executive Summary

Introduction

Previously Reported
Work

Recently Completed
Work

Future Work

Schedule and Budget

[The foregoing categories of information are only intended to represent the basic sorts of information to be set out for particular projects, and are not intended to be binding or limiting.]

DATED: the 29th day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

SCHEDULE C
PROJECT CONTRACT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-RJA/11,11A-1 File No. 1166/9

SCHEDULE "D"

RESEARCH AND DEVELOPMENT PROJECT RECORD

PROJECT TITLE:

COMPUTER TITLE:

PROJECT ASSIGNED TO:

SECTION:

ESTIMATE OF TIME:	INITIAL	REV.
Date Initiated :		
Schedule Start :		
Scheduled Completion:		
R & D Man-Hours Prof:		
R & D Man-Hours Tech:		

REPORT TO:

Name :
Location:

DESCRIPTION OF PROJECT:

Key Personnel :
Technical Advisor(s):

SPECIAL INSTRUCTIONS:

PROPOSED ACTION:

Milestones:
Reporting :
 Reporting Periods:
 Number of Copies :

PROJECT JUSTIFICATION:

REQUESTED BY:

Name : B.C. Gas Inc.
Department:
Division :
Ref : Date:
Cost Dist :

AUTHORIZED BY: _____

SCHEDULE "E"

COMPANIES RELATED TO OR AFFILIATED WITH B.C. GAS INC.

1. Inland Natural Gas Co. Ltd.
2. Columbia Natural Gas Limited
3. Fort Nelson Gas Ltd.
4. Squamish Gas Co. Ltd.
5. Grande Prairie Transmission Co. Ltd.
6. Peace River Transmission Company Limited
7. Inland Development Co. Ltd.
8. Inland Gas & Oil Co. Ltd.
9. Inland Gas & Oil Corp.
10. Inland Natural Gas Marketing Ltd.
11. Inland Energy Corp.
12. Trans Mountain Enterprises of British Columbia Limited
13. Trans Mountain Housing Limited
14. Trans Mountain Holdings Ltd.
15. Alpac Construction & Surveys Limited
16. Trans Mountain Petroleums Ltd.
17. Trans Mountain Oil Pipe Line Corporation

DATED: the 29th day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

AMENDED AND RESTATED
RESEARCH & DEVELOPMENT
OPERATING AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-RJA/11,11A-1 File No. 1166/9

**AMENDED AND RESTATED
REVENUE AGREEMENT**

THIS AGREEMENT made as of the 29th day of September, 1988 is an amendment and re-statement of an agreement made as of July 15, 1988 between the parties noted below.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, c. 188

("Hydro")

AND:

OF THE FIRST PART

B.C. GAS INC., a body corporate under the laws of the Province of British Columbia, having its registered office at 2800 - 595 Burrard Street, Vancouver, British Columbia, V7X 1J5

(the "Company")

OF THE SECOND PART

W H E R E A S:

A. By separate agreement made as of the 15th day of July, 1988 (the "Asset Transfer Agreement"), Hydro agreed to sell to the Company and the Company agreed to Purchase from Hydro certain of the assets of its gas utility business (the "Business"), upon the terms more specifically set out therein;

B. For the purposes of this Agreement, all capitalized words herein shall have the same meaning given to those words in the Asset Transfer Agreement, unless otherwise defined herein;

C. By further agreement (the "Hydro Services Agreement") executed concurrently herewith, Hydro, as agent for the Company, agreed to provide to the Company, inter alia, gas meter reading, customer billing, payment processing and collection services with respect to the gas sales made by the Company to its gas customers, in the manner and subject to the terms and conditions therein set forth; and

D. In connection therewith, the parties hereto desire to enter into an agreement with respect to the treatment of amounts billed by Hydro on behalf of the Company to the Company's gas customers.

NOW THEREFORE THIS AGREEMENT WITNESSES THAT in consideration of the premises and of the mutual covenants and agreements herein contained the parties hereto agree as follows:

1.0 DEFINITIONS

1.01 Where used herein or any amendment hereto, unless the context otherwise requires, each of the following words shall have the meaning set forth as follows:

- (a) "Average Collection Period" means that average number of clear days between the day an account receivable is billed and the day the same account receivable is paid in full, which is as of the date of this Agreement 14.33 days, being the Number of Days of Sales in Receivable;
- (b) "Total Billings" means the Company's total revenues, including those items listed in Schedule "A", excluding Hydro Accounts and those items listed in Schedule "B";

- (c) **"Number of Days of Sales in Receivable"** means with respect to a particular month, that number arrived at by multiplying the number of working days in the month by the quotient obtained from dividing the average monthly Hydro electric and gas receivables, excluding Hydro Accounts, by the total Hydro electric and gas credit sales, excluding Hydro Accounts, billed in that month;
- (d) **"Hydro Accounts"** means all accounts receivable billed to Hydro as a gas customer of the Company; and
- (d) **"Prime Rate"** means that rate charged to prime borrowers by Hydro's principal bankers.

2.0 SOCIAL SERVICE TAX

Hydro shall bill and collect from the Company's gas customers and shall remit, as agent for the Company, all social services taxes to the Province of British Columbia as required under the Social Services Tax Act.

3.0 ASSIGNMENT OF ACCOUNTS RECEIVABLE

3.01 Upon the close of business each business day, the Company hereby agrees to assign, transfer and set over to Hydro all of its right, title and interest in and to the total amount of accounts receivable billed that particular day by Hydro to the Company's gas customers, and every sum of money due by virtue thereof (the "Assignment"). As consideration for the Assignment, Hydro shall pay to the Company by the close of business that particular day the amount which is equal to the Total Billings as recorded in the accounts receivable ledger for that day less the following:

- (a) the interest cost of carrying the accounts receivable, excluding Hydro Accounts, over the Average Collection Period, at the Prime Rate;
- (b) an allowance for bad debts, based on the rates set out in Schedule "C" hereto, which rates may be revised from time to time; and
- (c) other charges paid on behalf of the Company.

3.02 The Average Collection Period shall be revised effective the first business day of each quarter.

3.03 Any money paid to the Company in error, by mistake of law or mistake of fact, shall be returned by the Company to Hydro, together with interest thereon at the Prime Rate. Any money not paid to the Company in error, by mistake of law or mistake of fact, shall be paid by Hydro to the Company, together with interest thereon at the Prime Rate.

4.0 DISCLOSURE

Except as provided for by law or otherwise by this Agreement, the parties will treat as confidential and will not, without the prior consent of the other party, publish, release, disclose or permit to be disclosed to any person or corporation, either before, during or after the termination of this Agreement, the information supplied to, obtained by, or which comes to the knowledge of the other party as a result of this Agreement and will use that information only for the purposes of this Agreement.

5.0 TERMINATION

This Agreement shall terminate and be of no further force or effect on reasonable notice by either party and, in any event, upon the termination of the Hydro Services Agreement, provided that termination shall be subject to the rights, remedies and obligations of both parties to the date of termination and that paragraph 4.0 shall survive such termination.

6.0 ASSIGNMENT AND SUB-CONTRACTS

Hydro may assign this Agreement to any person or corporation provided that the Company consents, such consent not to be unreasonably withheld.

7.0 SUSPENSION

If as a result of any emergency or force beyond the reasonable control of either party herein or strike, lockout or other such disturbance of either party (the "Force Majeure"), either party is or was wholly or partly unable because of the Force Majeure, to perform an obligation arising from this Agreement and claims that a Force Majeure is occurring or has occurred and reasonably establishes that fact, then the performance of the obligation shall be deemed to be suspended provided always that:

- (a) the suspension shall be of no greater scope and no longer duration than the Force Majeure;
- (b) the non-performing party shall make its best efforts to counter the Force Majeure or to otherwise remedy its inability to perform the obligation; and

- (c) a performance required at a time other than when the Force Majeure is occurring shall not be excused by the Force Majeure.

8.0 DISPUTE LIMITATION

A party shall not commence any legal proceedings against the other party in respect of the interpretation or enforcement of this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party, following which either party shall have the right to submit any dispute with the other party arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment thereof, and the decision of the arbitration panel shall be final and binding.

9.0 AMENDMENTS

At any time during this Agreement the parties may execute and deliver any instruments or agreements modifying or supplementing this Agreement which thereafter shall form part hereof.

10.0 GENERAL

10.01 This Agreement constitutes the entire agreement between the parties regarding this subject matter and there are no understandings or agreements collateral hereto, oral or otherwise, and no representations or warranties, express or implied except as expressly set out in this Agreement.

10.02 Any notice, report or other document that either party may be required or may desire to give to the other party shall be in writing, unless otherwise specified herein, and will be deemed

to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex, or facsimile copier, when received:

(a) if to the Company:

B.C. Gas Inc.
#2300, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: Secretary

(b) if to B.C. Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

or at such other address as either party may from time to time designate by notice in writing to the other.

10.03 The parties will do such reasonable acts and things and execute and deliver such further and other documents and assurances as may be reasonably required for the purposes of carrying out the true meaning and intent of this Agreement.


10.04 This Agreement shall be governed by and construed in accordance with the laws of the Province of British Columbia and the laws of Canada where applicable.

10.05 The headings or captions appearing in this Agreement are inserted for ease of reference only and shall have no effect on the construction or interpretation of this Agreement.

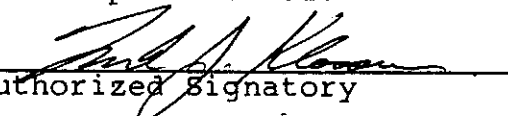
10.06 This Agreement will enure to the benefit of and be binding upon the parties hereto and their heirs, executors, administrators, successors and assigns of the parties.

10.07 Upon execution by the parties, this Agreement replaces and supercedes the prior Agreement made as of the 15th day of July, 1988 between the parties.

IN WITNESS WHEREOF the parties have executed this Agreement as of the day and year first above written.

THE COMMON SEAL OF)
BRITISH COLUMBIA HYDRO)
AND POWER AUTHORITY was)
hereunto affixed in the)
presence of:)
)
Authorized Signatory)

C/S

THE COMMON SEAL OF B.C. GAS)
INC. was hereunto affixed)
in the presence of:)
)
Authorized Signatory)

C/S

WPD-H/MG/2-1

SCHEDULE "A"

REVENUES TO BE INCLUDED

- ° All revenues billed via B.C. Hydro's customer billing system as a result of gas consumption
 - i.e. firm gas supply
 - seasonal gas supply
 - interruptible gas supply
- ° All billings for transporting gas
- ° Charges for service as specified by the Company and its tariffs
 - i.e. extra pipe on new installations
 - double main charges
 - connection charges
 - stopped/damage meter charges
 - energy diversion recoveries
 - callout charges
 - gas appliance maintenance contracts
- ° Recoveries of specified finance plans owned by the Company
 - i.e. natural gas for vehicles/compressor stations
 - natural gas for vehicle conversions
 - gas fireplaces
 - commercial heating conversions

SCHEDULE "B"

REVENUES TO BE EXCLUDED

- ° Late payment penalties
- ° Returned cheque charges
- ° Social Service Tax

SCHEDULE "C"

BAD DEBT ALLOWANCE

1. In respect of all natural gas sales except such sales to B.C. Hydro, an allowance equal to .19% of sales.
2. In respect of Gas Fireplace Financing Plans, Natural Gas Compressor Financing Plans, and Natural Gas Vehicle Financing Plans an allowance equal to actual costs which may include legal costs and recoveries.
3. In respect of natural gas sales made to B.C. Hydro a zero allowance.

DATED: the 29th day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

AMENDED AND RESTATED
REVENUE AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-H/MG/2-1

File No. 1166/9

**AMENDED AND RESTATED
UHF/VHF AGREEMENT**

THIS AGREEMENT made as of the 29th day of September, 1988 is an amendment and re-statement of an agreement made as of July 15, 1988 between the parties noted below.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a Crown corporation continued pursuant to
the provisions of the Hydro and Power
Authority Act, R.S.B.C. 1979, c. 188,
having its principal place of business at
970 Burrard Street, City of Vancouver,
Province of British Columbia

(herein called "Hydro")

OF THE FIRST PART

AND:

B.C. GAS INC., a body corporate under
the laws of the Province of British
Columbia having its registered office at
2800 - 595 Burrard Street, City of
Vancouver, Province of British Columbia

(herein called the "Company")

OF THE SECOND PART

W H E R E A S:

A. By separate agreement made as of the 15th day of July, 1988 (the "Asset Transfer Agreement"), Hydro agreed to sell to the Company and the Company agreed to purchase from Hydro certain assets upon the terms more specifically set out therein;

B. For the purposes of this Agreement, all capitalized words herein shall have the same meaning given to those words in the Asset Transfer Agreement, unless otherwise defined herein;

C. Ownership of certain UHF/VHF equipment (the "Equipment"), listed in Schedule "A" hereto, was transferred to the Company by Hydro pursuant to the Asset Transfer Agreement, however, the Equipment remains connected to Hydro-owned microwave equipment (the "Hydro Equipment");

D. The Company has requested time to arrange alternate connections for the Equipment and Hydro is prepared to have the Equipment remain connected to the Hydro Equipment for a limited period of time in order that the Company may make other arrangements; and

E. The parties hereto desire to enter into an Agreement with respect to the services to be supplied by Hydro in connection with the Equipment.

THEREFORE THIS AGREEMENT WITNESSETH, that in consideration of the mutual covenants and agreements herein contained, the parties hereto mutually covenant and agree that:

1.0 SERVICES

1.01 Subject to the terms and conditions hereof, Hydro shall provide the following services (the "Services") to the Company with respect to the Equipment:

- (a) regularly scheduled maintenance and repair as is necessary to keep the Equipment in reasonable operating condition in accordance with manufacturers' specifications and Hydro standards;
- (b) any other maintenance and/or repair which Hydro deems necessary or which the Company requests and Hydro agrees to provide;

- (c) additions and deletions to the Equipment as requested by the Company or as deemed necessary by Hydro; and
- (d) disconnection of the Equipment from the Hydro Equipment.

1.02 Hydro will advise the Company in advance of regularly scheduled maintenance work and will perform such maintenance work at times to be agreed upon by the parties. The Company shall not refuse to allow any regularly scheduled maintenance work to be performed.

1.03 Hydro will use all reasonable efforts to provide the Services in a complete and timely manner and in accordance with the standards normally established and applied by Hydro when servicing the Hydro Equipment.

2.0 PAYMENTS

2.01 As consideration for the Services, the Company hereby covenants and agrees to pay to Hydro all service fees invoiced, to the Company by Hydro, such fees to be based on all expenses incurred by Hydro in providing the Services.

2.02 All amounts payable under this Agreement shall be due 30 days after date of invoice.

2.03 The Company will pay interest to Hydro on any and all overdue amounts at the rate of interest of 1.5% per month (equivalent to 19.6% per annum compounded monthly) payable to Hydro on the last day of each month.

2.04 If the Company fails to pay any amount when due and such default shall continue for thirty (30) days after written notice

from Hydro, and the Company fails within such time to cure such default, then Hydro shall have the right, in addition to any other rights and remedies provided by law, to disconnect the Equipment and to terminate this Agreement.

2.05 Hydro will prepare and maintain records related to the Services, which records will be open to audit examination by the Company during regular business hours of Hydro during the term of this Agreement and for a period of one (1) year after the termination of this Agreement.

3.0 LIABILITY AND INDEMNITY

3.01 Hydro, its employees or agents, will not be liable for any injury, including death, to the person of any employee or agent of the Company or for the loss of or damage to the property of the Company, or any of the employees or agents of the Company, that is caused in any way by Hydro's performance of the Services under this Agreement unless the injury, loss, or damage is caused by a grossly negligent act or omission of an employee or agent of Hydro while acting within the scope of his employment with Hydro.

3.02 Hydro, its employees or agents, will not be liable to the Company for any loss of revenue or profits or other indirect, consequential or financial loss that is caused in any way by Hydro's performance of the Services under this Agreement, whether such loss is caused by an act or omission of Hydro, its employees or agents, later found to be negligent or otherwise.

3.03 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the Company will at all times indemnify and save harmless Hydro, its employees and agents from and against all claims, demands, losses, costs, damages, actions, suits or other proceedings made, sustained, brought or prosecuted that are based upon, or caused in any way by act or omission by any of the employees or agents of Hydro in connection with the Services performed, purportedly

performed or required to be performed by Hydro under this Agreement unless such act or omission was grossly negligent.

4.0 SUSPENSION

If as a result of any emergency or force beyond the reasonable control of either party herein or strike, lockout or other such disturbance of either party (the "Force Majeure"), either party is or was wholly or partly unable because of the Force Majeure, to perform an obligation arising from this Agreement and claims that a Force Majeure is occurring or has occurred and reasonably establishes that fact, then the performance of the obligation shall be deemed to be suspended provided always that:

- (a) the suspension shall be of no greater scope and no longer duration than the Force Majeure,
- (b) the non-performing party shall make its reasonable efforts to counter the Force Majeure or to otherwise remedy its inability to perform the obligation,
- (c) a performance required at a time other than when the Force Majeure is occurring shall not be excused by the Force Majeure, and
- (d) an obligation to make a payment when due shall not be excused by the Force Majeure.

5.0 ALTERNATIVE ARRANGEMENTS

5.01 The Company shall use reasonable efforts to obtain alternative connections for the Equipment and shall, on a quarterly basis, inform Hydro of such efforts.

5.02 Upon the Company advising Hydro that it has obtained alternative connections for the Equipment or otherwise no longer requires the Equipment, Hydro will disconnect the Equipment and this Agreement will be terminated.

6.0 TERM

The term of this Agreement shall be from the date of execution of this Agreement to April 1, 1990 or, subject to written confirmation from the Government of Canada Department of Communications, April 1, 1991, subject to prior termination by Hydro as set forth herein and subject to section 5.02.

7.0 DISPUTE LIMITATION

7.01 A party shall not commence any legal proceedings against the other party in respect to the interpretation or enforcement of this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party, following which either party shall have the right to submit any dispute, with the other party, arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment thereof, and the decision of the arbitration panel shall be final and binding.

7.02 Subject to paragraph 7.03 and notwithstanding any statutory limitation to the contrary, a party shall not commence any action, arbitration or other proceeding between the parties after the expiry of a period of two (2) years after the Services were provided.

7.03 Paragraph 7.02 shall not apply in respect of any action or other proceeding commenced by any third party, other than a company affiliated with or related to the Company, against the

Company for which, but for the provisions of paragraph 7.02, the Company would have recourse against Hydro.

8.0 NOTICES

Any notice, report or other document that either party may be required or may desire to give to the other party shall be in writing, unless otherwise specified herein, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex, or facsimile copier, when received:

(a) if to Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

(b) if to the Company:

B.C. Gas Inc.
#2300, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: Secretary

or at such other address as either party may from time to time designate by notice in writing to the other.

9.0 GENERAL PROVISIONS

9.01 This Agreement constitutes the entire agreement between the parties and there are no representations or warranties, express or implied, statutory or otherwise, and no agreement or agreements collateral hereto other than as expressly set forth or referred to herein.

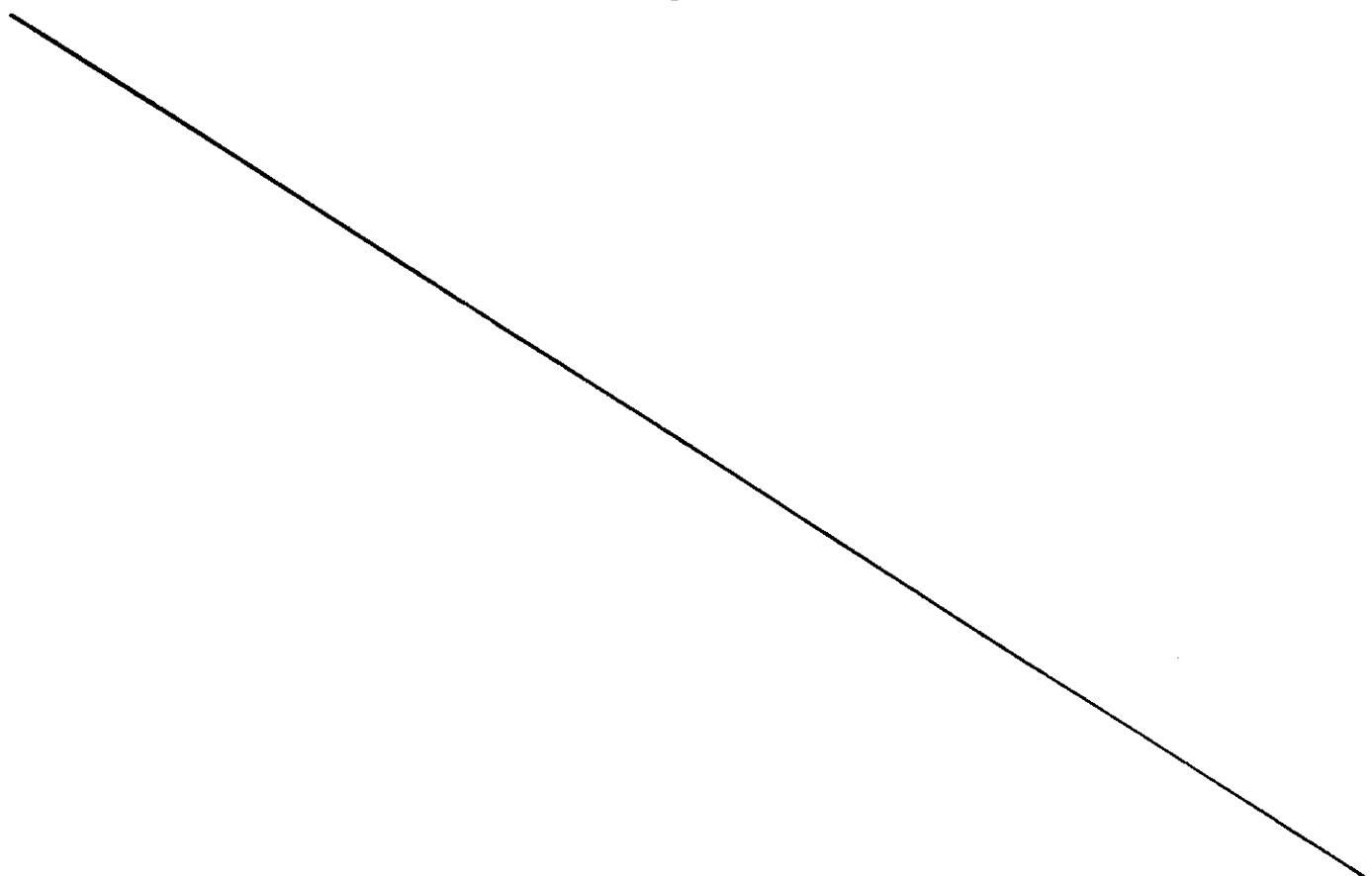
9.02 At any time during this Agreement, the parties may execute and deliver any instrument or agreement modifying or supplementing this Agreement, which thereafter shall form part hereof.

9.03 Time is expressly declared by each of the parties hereto to be of the essence of this Agreement and each of the terms and conditions of this Agreement.

9.04 The parties will do such reasonable acts and things and execute and deliver such further and other documents and assurances as may be reasonably required for the purposes of carrying out the true meaning and intent of this Agreement.

9.05 This Agreement shall be governed by and construed in accordance with the laws of the Province of British Columbia and the laws of Canada where applicable.

9.06 This Agreement will enure to the benefit of and be binding upon the parties hereto and their heirs, executors, administrators, successors and assigns.



9.07 Upon execution by the parties, this Agreement replaces and supercedes the prior Agreement made as of the 15th day of July, 1988 between the parties.

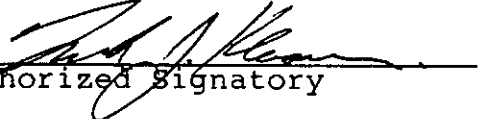
IN WITNESS WHEREOF the parties hereto have caused these presents to be executed on the day and year first above written.

THE COMMON SEAL OF BRITISH)
COLUMBIA HYDRO AND POWER)
AUTHORITY was hereunto)
affixed in the presence of:)


Authorized Signatory)

C/S

THE COMMON SEAL OF B.C. GAS)
INC. was hereunto affixed)
in the presence of:)


Authorized Signatory)

C/S

WPD-DRJ/36A-1

SCHEDULE "A"

**GAS DIVISION UHF/VHF FIXED RADIO
EQUIPMENT TO BE MAINTAINED BY B.C. HYDRO**

1. Location - Clayburn Substation

1 - CGE Master 11 Base Model DT56RCS66 Serial No. 5020483

2. Location - Burnaby Mountain

2 - CGE Master 11 Base Model DT56RCS66 Serial Nos. 5050327 & 5050328

3. Location - Surrey Electric Shop

1 - Motorola Micor Base Serial No. RA2120

4. Location - LMC

1 - CGE Master 11 Base - Standby Model DT56RCS66 Serial No. 5050207

NOTE: F.V. and Metro Gas Customer Service, primary and standby radio circuits connected into multi-channel remote control consoles in Service Centre.

5. Location - Lochburn

1 - CGE Master 11 Standby Metro and F.V. Model DT56KFS66 Serial No. 5070182

All radio circuits at Lochburn routed from microwave at Horne Payne via dedicated cable to IDF at Lochburn. All circuits connected via Bartronic Interface panels, multi-circuit control consoles in Dispatch area and various remote control units in Customer Services and Maintenance and Construction offices.

All radio circuits are monitored on multi-channel voice recorder.

6. Location - Sumas Mountain Microwave Site

2 - CGE Master 1 Repeaters Model SC56YAS56A Serial Nos. 7031085 and _____.

7. Location - Huntingdon Gas

1-CGE Master 11 Base Model DT56RCS66 Serial No. 5020481.

DATED: this 29th day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER
AUTHORITY

AND:

B.C. GAS INC.

AMENDED AND RESTATED
UHF/VHF AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-DRJ/36A-1

File No. 1166/9

**AMENDED AND RESTATED
VEHICLE LEASE**

THIS LEASE AGREEMENT made as of the 29th day of September, 1988 is an amendment and re-statement of a lease agreement made as of July 15, 1988 between the parties noted below.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, c. 188

(the "**Lessor**")

OF THE FIRST PART

AND:

B.C. GAS INC., a body corporate under the laws of the Province of British Columbia, having its registered office at 2800, 595 Burrard Street, Vancouver, British Columbia

(the "**Lessee**")

OF THE SECOND PART

WITNESSETH:

The Lessor hereby agrees to lease to the Lessee and the Lessee hereby agrees to lease from the Lessor the motor vehicles described in Appendix "A" attached hereto (the "**Vehicles**").

The Lessor and the Lessee further agree on the following conditions:

1.0 REGISTRATION

The Vehicles owned by the Lessor shall be registered in the name of the Lessor at all times while this Agreement is in force; provided that in the event such Vehicles must be registered in the name of the Lessee in order to comply with any Federal, Provincial or Municipal statutes, laws, ordinances, rules or regulations, the Lessor will register the Vehicles in the name of the Lessee. Notwithstanding any of the above terms of registration it is understood and agreed between the parties hereto that the Lessee shall determine the registration requirements with regard to its operation of the Vehicles and the Lessee shall be solely liable and responsible for the infraction of or non-compliance with any Federal, Provincial or Municipal statute, law, ordinance, rule or regulation whatsoever relating to the operation or use of a motor vehicle.

2.0 TERM

The Lease term shall commence on the date the Vehicles are delivered to the Lessee and shall terminate in accordance with the terms of the Vehicle Services Agreement.

3.0 RENTAL PAYMENTS

3.01 The Lessee shall pay the monthly rental payment for each Vehicle within twenty (20) days following the receipt by the Lessee of each monthly invoice. The monthly rental payment invoiced amount shall be based upon the amounts specified in Column B of Appendix "A" attached hereto, subject to any adjustment due to increased or decreased cost of the Fixed Expenses.

3.02 After the Lessor's year-end, the Lessor will determine the difference between the actual Fixed Expenses incurred by the

Lessor with respect to the Vehicles and the amount paid to the Lessor by the Lessee pursuant to paragraph 3.01 herein (the "Adjustment") and will notify the Lessee of the Adjustment forthwith. Adjustments owed to the Lessor or the Lessee, as the case may be, will be paid by the other party immediately following such notification.

3.03 The Lessee will pay interest to the Lessor on any and all overdue amounts at the rate of interest of 1.5% per month (equivalent to 19.6% per annum when compounded monthly) payable to the Lessor on the last day of each month.

4.0 REGISTRATION, LICENSING, AND TAXES

The cost of all registration and licensing of the Vehicles in the Lessor's name shall be paid by the Lessee. Other than as specified in the Vehicle Services Agreement, the Lessee shall pay any other inspection fees, fines, penalties, taxes, assessments, fees and charges imposed upon the Vehicles arising out of or in any way connected with the leasing, use, or operation of the Vehicles.

5.0 WARRANTY

The only warranty on the Vehicles is the warranty provided by the manufacturer.

6.0 USE AND OPERATION

The Lessee shall permit only safe, careful, licensed, and authorized drivers to operate the Vehicles. The Vehicles shall be used only for lawful purposes and only in Canada and the United States. Responsibility for the observance of and compliance with all laws governing the Vehicles and their use remain

solely with the Lessee. The Lessee shall not sublet the Vehicles or load, use, operate, or store the Vehicles negligently or improperly, or so as to void any insurance claim or policy, or use the same in a race or speed contest, or permit the Vehicles to become subject to any lien, charge, or encumbrance.

7.0 INSURANCE

7.01 The Lessee shall not use, or permit the use of, the Vehicles during any period when the Vehicles are not insured pursuant to paragraph 2.01(g) of the Vehicle Services Agreement.

7.02 The Lessee, its agents, and employees will co-operate fully with the Lessor and any insurance carriers in the investigation and defense of any claims or suits arising from the operation of the Vehicles, including furnishing the Lessor or the insurance carriers with such reports and information as the Lessor or insurance carriers may require or request. The Lessee will deliver forthwith to the Lessor any papers or documents whatsoever served upon or delivered to the Lessee, its agents, or employees in connection with any suit, action, or legal proceeding threatened against the Lessee or the Lessor arising out of the Lessee's custody or operation of the Vehicles.

7.03 The Lessee shall notify the Lessor of any accident or the loss of or damage to the Vehicles by the end of the following business day. In the event that any claim be made or action commenced involving use of the Vehicles, the Lessee shall immediately furnish the Lessor with the particulars thereof in writing.

8.0 MAINTENANCE AND REPAIRS

The responsibility for payment of maintenance and repair costs is set out in the Vehicle Services Agreement.

9.0 INSPECTION OF THE VEHICLE

The Lessor, its agents, or employees may enter upon the Lessee's property or any other place where the Vehicles may be found, at all reasonable times and upon reasonable notice, for the purpose of inspecting the Vehicles.

10.0 INDEMNITY

10.01 The Lessor shall not be responsible to the Lessee, or to its agents, servants, or employees, for any loss of business or other damage caused by the time lost in the repairing or replacing of any Vehicles. It is expressly understood that the Lessor assumes no liability or responsibility for any acts or omissions of the Lessee or of the Lessee's agents or employees, or for any loss or theft of property from the Vehicles or for damages caused to the property of any third party by the Vehicles, provided however the Lessor shall be liable for any act of any of its employees, agents, or servants, while servicing the Vehicles which results in damage to property.

10.02 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the Lessee shall indemnify, defend, and hold the Lessor, its agents, officers, and employees harmless of and from any and all losses, damages, claims, demands or liability of any kind or nature whatsoever, including legal expense, arising from the use, condition (including, without limitation, latent and other defects, whether or not discoverable by the Lessor), or operation

of the Vehicles, by whomsoever used or operated, during the term hereof; provided that the Lessee shall not be liable for nor indemnify the Lessor for any act by any employee, agent or servant of the Lessor while servicing the Vehicles which results in damages caused to property.

11.0 REPLACEMENT

Subject to the prior written approval of the Lessee, the Lessor shall have the right to replace the Vehicles with comparable Vehicles and thereafter the replacement Vehicles shall be subject to all the terms and conditions hereof and an adjustment in monthly rental payment as advised by the Lessor. The Lessor shall retain the proceeds of any sale and pay the purchase price for any replaced Vehicles. Any gain or loss realized on the sale of a Vehicle shall be for the account of the Lessee. Such gain will be paid promptly by the Lessor to the Lessee and such loss reimbursed promptly to the Lessor by the Lessee.

12.0 DISPUTE LIMITATION

12.01 A party shall not commence any legal proceedings against the other party in respect of the interpretation or enforcement of this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party, following which either party shall have the right to submit any dispute with the other party arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment thereof, and the decision of the arbitration panel shall be final and binding.

12.02 Notwithstanding any statutory limitation to the contrary, a party shall not commence any action, arbitration or other proceeding between the parties after the expiry of a period of two (2) years after termination of this Agreement.

13.0 AMENDMENTS

At any time during this Agreement the parties may execute and deliver any instruments or agreements modifying or supplementing this Lease Agreement which thereafter shall form part hereof.

14.0 GENERAL

14.01 All terms, covenants and conditions contained in the Vehicle Services Agreement are incorporated and deemed to be a part of this Lease Agreement, whether or not specifically set forth herein. If any provision of this Lease Agreement contradicts any provision of the Vehicle Services Agreement, the provisions of the Vehicle Services Agreement shall prevail.

14.02 This Lease Agreement together with the Vehicle Services Agreement constitutes the entire agreement between the parties regarding this subject matter and there are no understandings or agreements collateral hereto, oral or otherwise, and no representations or warranties, express or implied relative to the subject matter hereof.

14.03 Any notice, report or other document that either party may be required or may desire to give to the other party shall be in writing, unless otherwise specified herein, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex, or facsimile copier, when received:

(a) if to the Company:

B.C. Gas Inc.
#2300, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: Secretary

(b) if to B.C. Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

or at such other address as either party may from time to time designate by notice in writing to the other.

14.04 The parties will do such reasonable acts and things and execute and deliver such further and other documents and assurances as may be reasonably required for the purposes of carrying out the true meaning and intent of this Agreement.


14.05 This Lease Agreement shall be governed by and construed in accordance with the laws of the Province of British Columbia and the laws of Canada where applicable.

14.06 The headings or captions appearing in this Lease Agreement are inserted for ease of reference only and shall have no effect on the construction or interpretation of this Lease Agreement.

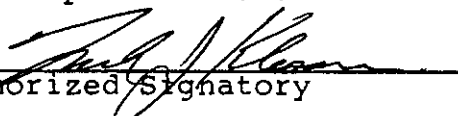
14.07 This Lease Agreement will enure to the benefit of and be binding upon the parties hereto and their heirs, executors, administrators, successors and assigns of the parties.

14.08 Upon execution by the parties, this Agreement replaces and supercedes the prior Agreement made as of the 15th day of July, 1988 between the parties.

IN WITNESS WHEREOF the parties have executed this Lease Agreement as of the day and year first above written.

THE COMMON SEAL OF)
BRITISH COLUMBIA HYDRO)
AND POWER AUTHORITY)
was hereunto affixed in)
the presence of:)
)
)
Authorized Signatory)

C/S

THE COMMON SEAL OF B.C. GAS)
INC. was hereunto affixed)
in the presence of:)
)
)
Authorized Signatory)

C/S

APPENDIX "A"

Page 1

GAS VEHICLES - JULY 15, 1986

***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR	CLASS	PURCH' COST	ACCDEN	A	B	C
						IN	----- SERV CLAS CDE			NET BOOK VALUE	MONTHLY RENT	PER MILE CHARGE
3931	LSC104	07177612	ASPEN	79	SEDAN 4DR PS PB	1980	12 B	5,018.00	4,544.43	473.57	185.00	0.30
3932	LSC105	07177798	ASPEN	79	SEDAN 4DR PS PB	1980	12 B	5,018.00	4,544.43	473.57	185.00	0.30
4304	LSC217	07571457	FAIRMONT	80	SEDAN 4DR PS PB	1981	12 B	6,045.00	4,749.10	1,295.90	185.00	0.30
4305	LSC218	07571453	FAIRMONT	80	SEDAN 4DR PS PB	1981	12 B	6,050.00	4,753.03	1,296.97	185.00	0.30
4327	LSC238	07797150	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	6,500.00	5,106.56	1,393.44	185.00	0.30
4346	NJJ040	07797154	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	6,781.00	5,327.32	1,453.68	185.00	0.30
4542	LSC269	07780669	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	7,079.00	5,561.44	1,517.56	185.00	0.30
4547	LSC273	07454438	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	7,465.00	5,864.69	1,600.31	185.00	0.30
4555	LSC281	07780668	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	7,072.00	5,555.94	1,516.06	185.00	0.30
4570	LSC293	07791359	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	7,049.00	5,537.87	1,511.13	185.00	0.30
4579	LSC302	07454290	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	7,053.00	5,541.01	1,511.99	185.00	0.30
4790	LSC335	08413675	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,443.00	4,954.25	2,489.75	185.00	0.30
4757	LSC342	08266893	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,511.00	4,999.51	2,511.49	185.00	0.30
4819	LSC363	08266847	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,442.00	4,953.58	2,488.42	185.00	0.30
4820	LSC364	08266890	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,463.00	4,967.56	2,495.44	185.00	0.30
4824	LSC368	08266888	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,560.00	5,032.13	2,527.89	185.00	0.30
4825	LSC369	08266905	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,580.00	5,045.44	2,534.56	185.00	0.30
5129	LSC411	08158354	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,672.00	5,106.68	2,565.32	185.00	0.30
5130	LSC412	08158355	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,711.00	5,132.63	2,578.37	185.00	0.30
5131	LSC413	07943824	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,478.00	4,977.54	2,500.46	185.00	0.30
5156	LSC437	07944029	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,726.00	5,142.62	2,583.38	185.00	0.30
51	LSC446	08287304	RELIANT	81	SEDAN 4DR PS PB	1982	12 B	7,892.00	5,253.11	2,638.89	185.00	0.30
51	LSC451	08287319	RELIANT	81	SEDAN 4DR PS PB	1982	12 B	7,919.00	5,271.08	2,647.92	185.00	0.30
5287	LSC478	08505730	RELIANT	82	SEDAN 4DR PS PB	1983	12 B	7,941.00	4,412.22	3,528.78	185.00	0.30
5299	LSC489	08632106	RELIANT	82	SEDAN 4DR PS PB	1983	12 B	7,942.00	4,412.77	3,529.23	185.00	0.30
5305	LSC498	08505716	RELIANT	82	SEDAN 4DR PS PB	1983	12 B	7,943.00	4,413.33	3,529.67	185.00	0.30
5313	LSC503	08632168	RELIANT	82	SEDAN 4DR PS PB	1983	12 B	7,943.00	4,413.33	3,529.67	185.00	0.30
5535	LSC551	07953773	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,959.00	4,422.22	3,536.78	185.00	0.30
5542	LSC554	08388866	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,952.00	4,418.33	3,533.67	185.00	0.30
5551	LSC563	09369578	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,951.00	4,417.77	3,533.23	185.00	0.30
5560	LSC572	08382555	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,916.00	4,398.33	3,517.67	185.00	0.30
5562	LSC574	07953926	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,915.00	4,397.77	3,517.23	185.00	0.30
5567	LSC579	07953938	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,921.00	4,401.11	3,519.89	185.00	0.30
5569	LSC581	08382558	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,916.00	4,398.33	3,517.67	185.00	0.30
5519	LSC592	08382464	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,873.00	4,374.44	3,498.56	185.00	0.30
5990	LSC721	04029928	ARIES	85	SEDAN 4DR PS PB	1986	12 A	8,927.00	2,148.06	6,778.94	230.00	0.18
5992	LSC723	04029930	ARIES	85	SEDAN 4DR PS PB	1986	12 A	8,927.00	2,148.06	6,778.94	230.00	0.18
6317	LSE666	05255128	ARIES	86	SEDAN 4DR PS PB	1987	12 A	10,425.00	1,413.89	9,011.11	230.00	0.18
6318	LSE667	05255133	ARIES	86	SEDAN 4DR PS PB	1987	12 A	10,425.00	1,413.89	9,011.11	230.00	0.18
6319	LSE668	05255137	ARIES	86	SEDAN 4DR PS PB	1987	12 A	10,425.00	1,413.89	9,011.11	230.00	0.18
6320	LSE669	05255158	ARIES	86	SEDAN 4DR PS PB	1987	12 A	10,425.00	1,413.89	9,011.11	230.00	0.18
6517	LSE825	05643787	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,299.00	315.41	9,983.59	230.00	0.18
6518	LSE783	05637902	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,299.00	315.41	9,983.59	230.00	0.18
6525	LSE827	05643795	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,299.00	315.41	9,983.59	230.00	0.18
6531	LSE830	05643598	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,299.00	315.41	9,983.59	230.00	0.18
6556	LSE813	05642157	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,297.00	315.35	9,981.65	230.00	0.18
6557	LSE814	05642161	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,297.00	315.35	9,981.65	230.00	0.18
6662	XME670	05916585	ARIES	88	SEDAN 4DR PS PB	1989	12 A	9,900.21		9,900.21	230.00	0.18
6663	XME671	05916593	ARIES	88	SEDAN 4DR PS PB	1989	12 A	10,823.10		10,823.10	230.00	0.18
6664	XME672	05916587	ARIES	88	SEDAN 4DR PS PB	1989	12 A	10,811.43		10,811.43	230.00	0.18
6665	XME673	05916594	ARIES	88	SEDAN 4DR PS PB	1989	12 A	10,846.42		10,846.42	230.00	0.18

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VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS	PURCH COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE	
NUMBER OF VEHICLES, THIS CLASS: 51													
5032	XME629	08367589	BUICK	83	SEDAN 4DR CNG	15	B	** LEASED VEHICLE **			70.00	0.23	
5042	LSE762	05609193	OLDS	87	SEDAN 4DR	15	A	** LEASED VEHICLE **			521.33	0.23	
NUMBER OF VEHICLES, THIS CLASS: 2													
5940	LSC667	09573136	CELEBRITY	84	STATION WAGON	1985	18	A	9,647.00	3,651.79	5,995.21	250.00	0.20
5941	LSC688	09573128	CELEBRITY	84	STATION WAGON	1985	18	A	9,988.00	3,780.87	6,207.13	250.00	0.20
5951	LSC698	09573123	CELEBRITY	84	STATION WAGON	1985	18	A	9,647.00	3,651.79	5,995.21	250.00	0.20
5952	LSC699	09573168	CELEBRITY	84	STATION WAGON	1985	18	A	9,745.00	3,688.29	6,056.11	250.00	0.20
5953	LSC700	09670683	CELEBRITY	84	STATION WAGON	1985	18	A	9,647.00	3,651.79	5,995.21	250.00	0.20
6351	LSE732	05289899	RELIANT	86	STATION WAGON	1987	18	A	11,596.00	1,722.49	9,873.51	250.00	0.20
6352	LSE733	05295189	RELIANT	86	STATION WAGON	1987	18	A	11,722.00	1,741.21	9,980.79	250.00	0.20
6353	LSE734	05305062	RELIANT	86	STATION WAGON	1987	18	A	11,596.00	1,722.49	9,873.51	250.00	0.20
6354	LSE735	05321255	RELIANT	86	STATION WAGON	1987	18	A	11,596.00	1,722.49	9,873.51	250.00	0.20
6357	LSE738	05356832	RELIANT	86	STATION WAGON	1987	18	A	11,596.00	1,722.49	9,873.51	250.00	0.20
6551	LSE792	05637929	ARIES	87	STATION WAGON	1988	18	A	11,872.00	398.21	11,473.79	250.00	0.20
NUMBER OF VEHICLES, THIS CLASS: 11													
4833	LSE576	07841411	MALIBU	81	STATION WAGON	1982	19	B	8,336.00	5,989.76	2,346.24	210.00	0.35
4833	LSC384	07841487	MALIBU	81	STATION WAGON	1982	19	B	8,326.00	5,982.58	2,343.42	210.00	0.35
	LSC385	07841444	MALIBU	81	STATION WAGON	1982	19	B	8,471.00	6,086.77	2,384.23	210.00	0.35
	LSC395	07841493	MALIBU	81	STATION WAGON	1982	19	B	9,089.00	6,530.83	2,552.17	210.00	0.35
4956	LSC398	07841443	MALIBU	81	STATION WAGON	1982	19	B	8,542.00	6,137.78	2,404.22	210.00	0.35
5520	LSC532	08621377	MALIBU	82	STATION WAGON	1983	19	B	9,160.00	5,574.24	3,585.76	210.00	0.35
5525	LSC537	08621363	MALIBU	82	STATION WAGON	1983	19	B	9,155.00	5,571.20	3,583.80	210.00	0.35
5533	LSC545	08621388	MALIBU	82	STATION WAGON	1983	19	B	9,157.00	5,572.42	3,584.58	210.00	0.35
5532	LSC605	08621416	MALIBU	82	STATION WAGON	1983	19	B	9,064.00	5,515.82	3,548.18	210.00	0.35
5633	LSC606	08621372	MALIBU	82	STATION WAGON	1983	19	B	9,065.00	5,516.43	3,548.57	210.00	0.35
5635	LSC608	08621374	MALIBU	82	STATION WAGON	1983	19	B	9,064.00	5,515.82	3,548.18	210.00	0.35
5640	LSC613	08621407	MALIBU	82	STATION WAGON	1983	19	B	9,225.00	5,613.80	3,611.20	210.00	0.35
NUMBER OF VEHICLES, THIS CLASS: 12													
6013	0043MB	04821070	DODGE	85	MINI RAM VAN	1986	21	A	12,333.00	3,250.26	9,082.74	300.00	0.20
6016	1747NB	05045459	DODGE	85	MINI RAM VAN	1986	21	A	12,420.00	3,273.19	9,146.81	300.00	0.20
6017	9526NW	05100324	DODGE	85	MINI RAM VAN	1986	21	A	13,517.00	3,562.29	9,954.71	300.00	0.20
6019	0046MB	04821077	DODGE	85	MINI RAM VAN	1986	21	A	12,222.00	3,221.01	9,000.99	300.00	0.20
6021	1749NB	05045471	DODGE	85	MINI RAM VAN	1986	21	A	14,594.00	3,846.13	10,747.87	300.00	0.20
6023	0000MB	04771886	DODGE	85	MINI RAM VAN	1986	21	A	13,166.00	3,469.79	9,696.21	300.00	0.20
6360	9648NW	05287142	DODGE	86	CARAVAN RR SEAT	1987	21	A	13,322.00	1,978.87	11,343.13	300.00	0.20
6361	9649NW	05287150	DODGE	86	CARAVAN RR SEAT	1987	21	A	13,322.00	1,978.87	11,343.13	300.00	0.20
6362	9650NW	05287156	DODGE	86	CARAVAN RR SEAT	1987	21	A	13,322.00	1,978.87	11,343.13	300.00	0.20
6363	9651NW	05287158	DODGE	86	CARAVAN RR SEAT	1987	21	A	13,319.00	1,978.43	11,340.57	300.00	0.20
6364	9652NW	05287167	DODGE	86	CARAVAN RR SEAT	1987	21	A	13,322.00	1,978.87	11,343.13	300.00	0.20
6379	9667NW	05287284	DODGE	86	CARAVAN RR SEAT	1987	21	A	13,458.00	1,999.07	11,458.93	300.00	0.20
6566	9959NW	05637995	DODGE	87	CARAVAN RR SEAT	1988	21	A	14,304.00	479.78	13,824.22	300.00	0.20
6569	9962NW	05638006	DODGE	87	CARAVAN RR SEAT	1988	21	A	14,304.00	479.78	13,824.22	300.00	0.20
6576	9968NW	05638047	DODGE	87	CARAVAN RR SEAT	1988	21	A	14,304.00	479.78	13,824.22	300.00	0.20
6666	914DRP	05922062	DODGE	88	CARAVAN RR SEAT	1989	21	A	15,706.10		15,706.10	300.00	0.20
6667	9141RP	05922067	DODGE	88	CARAVAN RR SEAT	1989	21	A	15,694.43		15,694.43	300.00	0.20
6668	9142RP	05922069	DODGE	88	CARAVAN RR SEAT	1989	21	A	15,706.10		15,706.10	300.00	0.20

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***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR CLASS		PURCH COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
						IN	----- SERV CLAS CDE					
6669	9145RP	05922095	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20
6670	9143RP	05922072	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20
6671	9146RP	05922097	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20
6672	9144RP	05922078	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,717.76		15,717.76	300.00	0.20
6673	9147RP	05922099	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20
6674	9148RP	05922101	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20
6675	9149RP	05922105	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,694.43		15,694.43	300.00	0.20
6676	5253RY	05922109	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20
6677	5351RY	05922112	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,729.45		15,729.45	300.00	0.20
6678	5352RY	05922116	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20
6679	5353RY	05922123	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,694.43		15,694.43	300.00	0.20
NUMBER OF VEHICLES, THIS CLASS: 29												
6681	9580NW	05219571	NISSAN	87	PICKUP 1/4 SPR CB CPY	1987	22 A	12,225.00	1,815.92	10,409.08	285.00	0.20
NUMBER OF VEHICLES, THIS CLASS: 1												
4366	5585NW	07791363	CHEV	80	VANDURA 110 WDW	1981	23 B	9,454.00	7,927.57	1,526.43	255.00	0.37
4367	5586NW	07791364	CHEV	80	VANDURA 110 WDW	1981	23 B	9,376.00	7,862.17	1,513.83	255.00	0.37
4552.1	5969NW	08343548	CHEV	81	VANDURA 110 WDW	1982	23 B	10,366.00	7,448.40	2,917.60	255.00	0.37
4952.2					CNG CONV'N	1986	23 A	936.00	246.68	689.33		
5377	9560NW	08374803	CHEV	82	VANDURA 110 WDW	1983	23 B	11,457.00	6,972.06	4,484.94	255.00	0.37
5378	6105NW	08374835	CHEV	82	VANDURA 110 WDW	1983	23 B	11,572.00	7,042.04	4,529.96	255.00	0.37
5379	6185NW	08122400	GMC	82	VANDURA 110 WDW	1983	23 B	10,133.00	6,166.35	3,966.65	255.00	0.37
5650	6310NW	04218252	DODGE	84	TRADESMAN 109 WDW SL DR	1985	23 A	10,529.00	3,985.67	6,543.33	320.00	0.25
5714.1	6250NW	09786189	DODGE	84	TRADESMAN 109 WDW SL DR	1985	23 A	11,354.00	4,297.96	7,056.04	320.00	0.25
5714.2					CNG CONV'N	1986	23 A	2,276.00	599.82	1,676.18		
5715	6351NW	04218200	DODGE	84	TRADESMAN 109 WDW SL DR	1985	23 A	11,346.00	4,294.93	7,051.07	320.00	0.25
5750	LSC629	09120045	GMC	84	HARDTOP RR SEAT	1985	23 A	12,684.00	4,801.42	7,882.58	320.00	0.25
5754	LSC632	09120048	GMC	84	HARDTOP RR SEAT	1985	23 A	12,634.00	4,782.50	7,851.50	320.00	0.25
5755	LSC634	09785954	GMC	84	HARDTOP RR SEAT	1985	23 A	12,507.00	4,734.42	7,772.58	320.00	0.25
5756	LSC635	09785955	GMC	84	HARDTOP RR SEAT	1985	23 A	12,534.00	4,744.64	7,789.36	320.00	0.25
6115	9642NW	05266593	CHEV	86	PICKUP 1/2 CPY	1987	23 A	12,396.00	1,841.32	10,554.68	320.00	0.25
6122	9693NW	05309524	CHEV	86	VANDURA 110 WDW SL DR	1987	23 A	16,383.00	2,433.56	13,949.44	320.00	0.25
6127	9695NW	05309490	CHEV	86	VANDURA 110 WDW SL DR	1987	23 A	16,270.00	2,416.77	13,853.23	320.00	0.25
6128	9696NW	05309493	CHEV	86	VANDURA 110 WDW SL DR	1987	23 A	16,327.00	2,425.24	13,901.76	320.00	0.25
6129	9726NW	05321228	CHEV	86	VANDURA 110 WDW SL DR	1987	23 A	13,710.00	2,036.51	11,673.49	320.00	0.25
6139	9734NW	05321226	CHEV	86	VANDURA 110 WDW SL DR	1987	23 A	16,189.00	2,404.74	13,784.26	320.00	0.25
6141	9736NW	05321229	CHEV	86	VANDURA 110 WDW SL DR	1987	23 A	13,516.00	2,007.69	11,508.31	320.00	0.25
6142	9737NW	05321234	CHEV	86	VANDURA 110 WDW SL DR	1987	23 A	16,183.00	2,403.85	13,779.15	320.00	0.25
6427	9999NW	05668382	CHEV	87	VANDURA 110 WDW SL DR	1988	23 A	16,995.00	570.04	16,424.96	320.00	0.25
NUMBER OF VEHICLES, THIS CLASS: 22												
5116	6006NW	07841002	CHEV	81	PICKUP 3/4	1982	24 B	9,842.00	7,071.89	2,770.11	240.00	0.54
5117	6007NW	07841003	CHEV	81	PICKUP 3/4	1982	24 B	9,648.00	6,932.49	2,715.51	240.00	0.54
5972	6469NW	04744301	GMC	85	PICKUP 3/4	1986	24 A	13,032.00	3,434.48	9,597.53	300.00	0.32
NUMBER OF VEHICLES, THIS CLASS: 3												
3870	5422NW	06641061	GMC	79	VANDURA 125 WDW	1980	25 B	9,075.00	8,698.77	376.23	265.00	0.50
4025	5465NW	06641063	GMC	79	VANDURA 125 WDW	1980	25 B	7,947.00	7,617.53	329.47	265.00	0.50
4254	5556NW	07644164	DODGE	80	TRADESMAN 127 WDW	1981	25 B	10,582.00	8,873.45	1,708.55	265.00	0.50
4368	0042HX	07791365	CHEV	80	VANDURA 125	1981	25 B	10,087.00	8,458.37	1,628.63	265.00	0.50

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VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR CLASS		PURCH' COST	ACCDEN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
						IN	CLASS					
						SERV	CLAS CDE					
4375	5595NW	07454477	CHEV	80	VANDURA 125 WDW	1981	25 B	10,686.00	8,960.66	1,725.34	265.00	0.50
4378	5598NW	07791362	CHEV	80	VANDURA 125	1981	25 B	10,155.00	8,515.39	1,639.61	265.00	0.50
4379	5599NW	07791375	CHEV	80	VANDURA 125	1981	25 B	10,034.00	8,413.93	1,620.07	265.00	0.50
4383	5603NW	07454489	CHEV	80	VANDURA 125 WDW	1981	25 B	10,524.00	8,824.81	1,699.19	265.00	0.50
4674	5780NW	08296070	GMC	81	VANDURA 125 WDW	1982	25 B	10,849.00	7,795.46	2,053.54	265.00	0.50
4681	5788NW	08296073	GMC	81	VANDURA 125 WDW	1982	25 B	10,883.00	7,819.89	2,063.11	265.00	0.50
4686	5896NW	07934079	GMC	81	VANDURA 125 WDW	1982	25 B	11,805.00	8,482.38	3,322.62	265.00	0.50
4923	5984NW	08343577	CHEV	81	VANDURA 125 WDW	1982	25 B	11,644.00	8,366.70	3,277.30	265.00	0.50
4995	5986NW	08343559	CHEV	81	VANDURA 125 WDW	1982	25 B	11,389.00	8,183.47	3,205.53	265.00	0.50
5101	5992NW	08343565	CHEV	81	VANDURA 125 WDW	1982	25 B	13,001.00	9,341.76	3,659.24	265.00	0.50
5342	6108NW	08853602	DODGE	82	TRADESMAN 127 WDW	1983	25 B	11,993.00	7,298.24	4,694.76	265.00	0.50
5352	6117NW	08853606	DODGE	82	TRADESMAN 127 WDW	1983	25 B	10,859.00	6,608.15	4,250.85	265.00	0.50
5355	6120NW	08853743	DODGE	82	TRADESMAN 127 WDW	1983	25 B	12,055.00	7,335.97	4,719.03	265.00	0.50
5356	6121NW	08853631	DODGE	82	TRADESMAN 127 WDW	1983	25 B	15,591.00	9,487.77	6,103.23	265.00	0.50
5595	6290NW	08122391	GMC	82	VANDURA 125 WDW	1983	25 B	13,834.00	8,418.57	5,415.43	265.00	0.50
5596	6291NW	07852896	GMC	82	VANDURA 125 WDW	1983	25 B	13,432.00	8,173.93	5,258.07	265.00	0.50
5729	6366NW	09786195	DODGE	84	TRADESMAN 127 WDW SL DR	1985	25 A	16,115.00	6,100.20	10,014.80	300.00	0.55
5922	9945NW	04029949	DODGE	85	TRADESMAN 127 WDW SL DR	1986	25 A	13,170.00	3,470.84	9,699.16	300.00	0.55
6177	9804NW	05356586	CHEV	86	VANDURA 125 WDW SL DR	1987	25 A	21,564.00	3,203.15	18,360.85	300.00	0.55
6422	9891NW	05543793	FORD	87	ECONOLINE 138 WDW SL DR LEASE	25	A	** L E A S E D V E H I C L E **			575.76	0.55
					BINS INSTALLED ON 6422	1988	25 A	6,677.02	991.82	6,677.02	0	
					NUMBER OF VEHICLES, THIS CLASS: 24							
5934	LSC701	04218302	GMC	85	HARDTOP 4X4 E WN RR SEAT	1986	30 A	14,753.00	4,564.21	10,188.79	390.00	0.22
					NUMBER OF VEHICLES, THIS CLASS: 1							
4950	5967NW	07934003	GMC	81	PICKUP 3/4 4X4 WINCH	1982	32 B	12,083.00	10,981.54	2,101.46	360.00	0.40
					NUMBER OF VEHICLES, THIS CLASS: 1							
5489.1	6235NW	07852879	GMC	82	SUBURBAN 3/4 4X4 WINCH	1983	33 B	15,015.00	10,726.34	4,288.66	425.00	0.47
5489.2						1984	33 A	1,675.00	970.45	704.55		
6133	9697NW	05309495	CHEV	86	VANDURA 110 WDW SL DR CNG	1987	33 A	17,178.00	2,551.65	14,626.35	515.00	0.25
					NUMBER OF VEHICLES, THIS CLASS: 2							
2214	5024NW	04272100	FORD	75	FLAT DECK WELDER 1183	1976	41 B	5,096.00	5,502.62	(406.62)	220.00	1.00
2216	5025NW	04272101	FORD	75	FLAT DECK-WELDER 1181	1976	41 B	7,272.00	7,852.25	(580.24)	220.00	1.00
4284.1	5580NW	07450149	GMC	80	FLAT DECK 8FT6 1500LB TG	1981	41 B	11,389.00	7,058.81	4,330.19	220.00	1.00
4284.2						1982	41 B	2,243.00	1,188.32	1,054.68		
4473.1	5664NW	07569408	FORD	80	FLAT DECK WELDER 1162	1981	41 B	9,966.00	6,176.84	3,789.16	220.00	1.00
4473.2						1970	41 B	710.00	1,235.25	(525.25)		
5220	6038NW	08162033	FORD	81	FLAT DECK WELDER 1171	1982	41 B	16,869.00	8,937.06	7,931.94	220.00	1.00
6206.1	9936NW	05626995	CHEV	86	FLAT DECK DUALS WELDER 1297	1987	41 A	18,195.00	1,997.66	16,197.34	400.00	0.50
6206.2						1974	41 B	2,036.00	2,605.66	(569.66)		
815X	6478NW	03217179	DODGE	74	FLAT DECK IT WELDER 1184	1975	41 B	7,503.00	8,851.98	(1,348.98)	220.00	1.00
816X	6479NW	03291220	DODGE	74	FLAT DECK IT WELDER 1180	1975	41 B	6,524.00	7,696.96	(1,172.96)	220.00	1.00
					NUMBER OF VEHICLES, THIS CLASS: 8							
2087	5011NW	03975933	FORD	75	VAN 10FT ROLL DOOR 2000LB TG	1976	42 B	9,690.00	10,463.18	(773.18)	215.00	0.50
					NUMBER OF VEHICLES, THIS CLASS: 1							
3787	5378NW	07092875	GMC	79	CUTAWAY 12FT ALUM AC & 1032	1980	43 B	20,726.00	14,711.14	6,014.86	325.00	0.90

***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS CLAS CDE	PURCH COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
NUMBER OF VEHICLES, THIS CLASS: 1												
5235	6052NW	08388682	INTL	82	DUMP 4/5 YD	1982	44 B	26,204.00	13,882.66	12,321.34	520.00	1.00
5243.1	6060NW	08388707	INTL	82	VAN 16FT ALUM 4000LB TG DSL	1982	44 B	24,144.00	12,791.29	11,352.71	520.00	1.00
5243.2						1983	44 B	8,286.00	3,726.97	4,559.03		
6404.1	9069RP	05695688	INTL	86	DUMP 4-5YD DSL	1987	44 A	41,081.00	4,510.35	36,570.65	650.00	0.75
6404.2						1977	44 B	3,135.00	3,071.65	63.35		
NUMBER OF VEHICLES, THIS CLASS: 3												
4869.1	5899NW	08388823	INTL	81	GAS DRILL-SNIFFER SULLAIR 125	1982	45 B	73,378.00	38,875.05	34,502.95	1,657.55	
4869.2						1983	45 B	4,220.00	1,898.12	2,321.88		
4869.3						1970	45 B	4,059.00	7,061.81	(3,001.81)		
6403	9918NW	05621846	INTL	86	DUMP(76) 4-5YC DSL	1987	45 A	47,451.00	5,209.72	42,241.28	1,335.60	
NUMBER OF VEHICLES, THIS CLASS: 2												
3276.1	5196NW	05603922	FORD	77	FL DK 12FT HL708(64)	1978	48 B	16,565.00	14,739.40	1,825.60	525.00	1.35
3276.2						1964	48 B	14,090.00	34,376.66	(20,286.66)		
5236.1	6053NW	08388658	INTL	82	FL DK ATLAS 3006(76)	1982	48 B	21,861.00	11,581.78	10,279.22	525.00	1.35
NUMBER OF VEHICLES, THIS CLASS: 2												
3347.1	5236NW	06440405	FORD	78	FL DK 12FT ATLAS 3006 AIR	1978	49 B	16,407.00	14,598.81	1,808.19	1,169.70	
3347.2						1977	49 B	7,057.00	6,914.39	142.61		
3347.3						1979	49 B	2,760.00	2,207.43	552.57		
4611	5725NW	07643162	INTL	81	TRACTOR HIAB 1165AW AIR T937	1981	49 B	92,806.00	57,520.39	35,285.61	2,469.60	
5245.1	6062NW	08388819	INTL	82	FL DK 16FT HIAB 950(76)AIRDSL*	1982	49 B	30,494.00	16,155.47	14,338.53	1,856.40	
5914.1	9532NW	05107900	INTL	85	FL DK 16FT ATLAS 3006(76)	1986	49 A	42,732.00	8,323.84	34,408.16	1,855.35	
5914.2						1976	49 B	8,993.00	9,710.57	(717.57)		
6401.1	9877NW	05503074	INTL	86	FL DK 16FT ATLAS 3006(75) AIR*	1987	49 A	45,143.00	4,956.33	40,186.67	1,780.80	
6401.2						1976	49 B	8,111.00	8,758.19	(647.19)		
6407.1	9130RP	05865031	INTL	86	FL DK 18FT ATLAS 3006(79)DLAR*	1987	49 A	46,988.57	9,152.98	37,835.59	1,420.00	
6407.2						1988	49 A	4,476.02	491.43	3,984.59		
NUMBER OF VEHICLES, THIS CLASS: 6												
389X.1	5435NW	04251910	CHEV	74	WALKIN 10FT PS	1975	52 B	7,103.00	8,380.06	(1,277.06)	200.00	1.20
389X.2						1974	52 B	924.00	1,182.53	(258.53)		
391X	5445NW	03192870	CHEV	74	WALKIN 10FT PS	1975	52 B	11,475.00	13,538.11	(2,063.11)	200.00	1.20
NUMBER OF VEHICLES, THIS CLASS: 2												
189W	4993NW	04548755	GMC	75	WALKIN 10FT PS	1976	53 B	11,316.00	12,218.92	(902.92)	275.00	1.25
209W	5012NW	04548800	GMC	75	WALKIN 12FT PS	1976	53 B	12,241.00	13,217.73	(976.73)	275.00	1.25
211W	5014NW	04548770	GMC	75	WALKIN 12FT PS	1976	53 B	14,104.00	15,229.38	(1,125.38)	275.00	1.25
2499	5065NW	04679806	GMC	77	WALKIN 12FT	1977	53 B	12,132.00	11,886.83	245.17	275.00	1.25
2500	5066NW	04679807	GMC	77	WALKIN 12FT	1977	53 B	12,500.00	12,247.40	252.60	275.00	1.25
2501	5067NW	04679808	GMC	77	WALKIN 12FT	1977	53 B	12,961.00	12,699.08	261.92	275.00	1.25
2502	5068NW	04681610	GMC	77	WALKIN 12FT	1977	53 B	12,532.00	12,278.75	253.25	275.00	1.25
2503	5069NW	04679838	GMC	77	WALKIN 12FT	1977	53 B	15,132.00	14,826.21	305.79	275.00	1.25
3358	5251NW	06441291	CHEV	78	WALKIN 12FT	1979	53 B	14,340.00	11,469.01	2,870.99	275.00	1.25
3366	5258NW	06441037	CHEV	78	WALKIN 12FT	1978	53 B	14,477.00	12,881.51	1,595.49	275.00	1.25
3368	5260NW	06440418	CHEV	78	WALKIN 12FT	1979	53 B	14,646.00	11,713.75	2,932.25	275.00	1.25
NUMBER OF VEHICLES, THIS CLASS: 11												

GAS VEHICLES - JULY 15, 1988

***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR CLASS		PURCH* COST	ACCDEPN	***** C O L U M N S *****		
						IN	-----			A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
						SERV	CLAS CDE					
3204	5395NW	07040407	CHEV	79	WALKIN 12FT ALUM	1980	54 B	17,840.00	12,662.68	5,177.32	500.00	0.90
4531	5706NW	07648635	CHEV	80	WALKIN 14FT ALUM	1981	54 B	26,519.00	16,436.26	10,082.74	500.00	0.90
4532	5707NW	07648634	CHEV	80	WALKIN 14FT ALUM	1981	54 B	23,333.00	14,461.60	8,871.40	500.00	0.90
4535	5710NW	07643175	CHEV	80	WALKIN 14FT ALUM	1981	54 B	24,075.00	14,921.48	9,153.52	500.00	0.90
4850	5882NW	08388695	GMC	81	WALKIN 14FT ALUM	1982	54 B	27,426.00	14,530.07	12,895.93	500.00	0.90
4851	5883NW	08388696	GMC	81	WALKIN 14FT ALUM	1982	54 B	26,968.00	14,287.42	12,680.58	500.00	0.90
4852	5884NW	08388697	GMC	81	WALKIN 14FT ALUM	1982	54 B	27,826.00	14,741.98	13,084.02	500.00	0.90
4853	5885NW	08388698	GMC	81	WALKIN 14FT ALUM	1982	54 B	27,909.00	14,785.96	13,123.04	500.00	0.90
4854	5886NW	08388699	GMC	81	WALKIN 14FT ALUM	1982	54 B	26,350.00	13,960.01	12,389.99	500.00	0.90
4855	5887NW	08388686	GMC	81	WALKIN 14FT ALUM	1982	54 B	26,943.00	14,274.18	12,668.82	500.00	0.90
4856	5888NW	08388685	GMC	81	WALKIN 14FT ALUM	1982	54 B	28,197.00	14,938.54	13,258.46	500.00	0.90
5893	9528NW	05103287	GMC	85	WALKIN 14FT ALUM	1986	54 A	37,371.00	7,279.56	30,091.44	650.00	0.70
5894	9530NW	05103294	GMC	85	WALKIN 14FT ALUM	1986	54 A	37,371.00	7,279.56	30,091.44	650.00	0.70
5895	9529NW	05103289	GMC	85	WALKIN 14FT ALUM	1986	54 A	37,371.00	7,279.56	30,091.44	650.00	0.70
NUMBER OF VEHICLES, THIS CLASS: 14												
5886	9566NW	05166257	GMC	85	WALKIN 14FT ALUM DSL HD	1986	55 A	62,004.00	12,077.85	49,926.14	950.00	0.80
5892	9541NW	05128431	GMC	85	WALKIN 14FT ALUM DSL HD	1986	55 A	53,347.00	10,391.55	42,955.45	950.00	0.80
6418	9113RP	05819071	GMC	87	WALKIN 14FT ALUM DSL	1988	55 A	61,337.00	7,961.03	53,375.97	950.00	0.80
NUMBER OF VEHICLES, THIS CLASS: 3												
20	5009NW	04548787	GMC	75	WALKIN 12FT PS SULLAIR	1976	57 B	14,730.00	15,905.33	(1,175.33)	250.00	2.25
NUMBER OF VEHICLES, THIS CLASS: 1												
194W	4997NW	04548713	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	17,852.00	19,276.44	(1,424.44)	350.00	2.50
195W	4998NW	04548735	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	17,860.00	19,285.08	(1,425.08)	350.00	2.50
196W	4999NW	04545724	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	17,872.00	19,298.04	(1,426.04)	350.00	2.50
198W	5000NW	04546751	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	17,836.00	19,259.16	(1,423.16)	350.00	2.50
201W	5001NW	04548729	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	15,440.00	16,671.98	(1,231.98)	350.00	2.50
202W	5003NW	04548753	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	15,540.00	16,779.96	(1,239.96)	350.00	2.50
203W	5004NW	04548716	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	15,530.00	16,769.16	(1,239.16)	350.00	2.50
204W.2						1977	58 B	5,049.00	4,946.97	102.03		
204W.1	5005NW	04548788	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	10,680.00	11,532.18	(852.18)	350.00	2.50
210W	5013NW	04548782	GMC	75	WALKIN 12FT PS COMP	1976	58 B	15,263.00	16,480.86	(1,217.86)	350.00	2.50
212W.1	5015NW	04548767	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	14,259.00	15,396.75	(1,137.75)	350.00	2.50
212W.2						1977	58 B	6,180.00	6,055.11	124.89		
298W	9123RP	04548734	GMC	75	WALKIN 14FT PS SULLAIR	1976	58 B	20,084.00	21,686.54	(1,602.54)	350.00	2.50
352X.1	5303NW	03286808	CHEV	74	WALKIN 14FT PS SULLAIR	1975	58 B	16,015.00	18,894.36	(2,879.36)	350.00	2.50
378X.1	5372NW	03192197	CHEV	74	WALKIN 12FT PS COMP	1975	58 B	15,973.00	18,844.81	(2,871.81)		
378X.2						1976	58 B	1,949.00	2,104.51	(155.51)		
4842	5874NW	07826970	GMC	80	WALKIN 14FT ALUM SULLAIR 85	1982	58 B	38,864.00	20,589.82	18,274.18	350.00	2.50
NUMBER OF VEHICLES, THIS CLASS: 14												
3329.1	5226NW	05773072	FORD	77	GAS CONST COMPAIR 85	1978	59 B	14,316.00	12,738.26	1,577.74	750.00	1.60
3329.2						1979	59 B	17,173.00	13,734.82	3,438.18		
3330.1	5227NW	05773071	FORD	77	GAS CONST COMPAIR 85	1978	59 B	25,689.00	22,857.86	2,831.14	750.00	1.60
3330.2						1979	59 B	5,424.00	4,338.07	1,085.93		
4365.1	5584NW	07643181	CHEV	80	WALKIN 14FT ALUM SULLAIR 125	1981	59 B	24,645.00	15,274.77	9,370.23	750.00	1.60
4365.2						1982	59 B	11,236.00	5,952.74	5,283.26		
4521.1	5896NW	08382031	CHEV	80	GAS CONST DAVEY 125	1981	59 B	27,860.00	17,267.40	10,592.60	750.00	1.60
4521.2						1982	59 B	10,254.00	5,432.48	4,821.52		

GAS VEHICLES - JULY 15, 1988

***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR CLASS		PURCH ¹ COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
						IN	CLASS					
						SERV	CLAS CDE					
4522	5697NW	08382141	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	40,634.00	25,184.61	15,449.39	750.00	1.60
4523.1	5698NW	08382142	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	19,593.00	12,143.58	7,449.42	750.00	1.60
4523.2						1982	59 B	21,303.00	11,286.15	10,016.85		
4524.1	5699NW	08382030	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	19,454.00	12,057.43	7,396.57	750.00	1.60
4524.2						1982	59 B	21,197.00	11,229.99	9,967.01		
4525.1	5700NW	07829229	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	18,396.00	11,401.69	6,994.31	750.00	1.60
4525.2						1982	59 B	22,032.00	11,672.37	10,359.62		
4526.1	5701NW	07829230	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	19,269.00	11,942.77	7,326.23	750.00	1.60
4526.2						1982	59 B	21,490.00	11,385.22	10,104.78		
4527.1	5702NW	07829231	CHEV	80	GAS CONST DAVEY 125	1981	59 B	28,650.00	17,757.03	10,892.97	750.00	1.60
4527.2						1982	59 B	10,254.00	5,432.48	4,821.52		
4528.1	5703NW	08382026	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	19,098.00	11,836.76	7,261.22	750.00	1.60
4528.2						1982	59 B	21,490.00	11,385.22	10,104.78		
4536.1	5711NW	07643176	CHEV	80	WALKIN 14FT ALUM SULLAIR 125	1981	59 B	25,684.00	15,918.73	9,765.27	750.00	1.60
4536.2						1982	59 B	13,471.00	7,136.82	6,334.18		
4537.1	5712NW	07643177	CHEV	90	WALKIN 14FT ALUM SULLAIR 125	1981	59 B	23,981.00	14,863.22	9,117.78	750.00	1.60
4537.2						1982	59 B	13,781.00	7,301.06	6,479.94		
4538.1	5713NW	07643178	CHEV	80	WALKIN 14FT ALUM SULLAIR 125	1981	59 B	23,855.00	14,785.13	9,069.87	750.00	1.60
4538.2						1982	59 B	13,781.00	7,301.06	6,479.94		
4838	5870NW	07826963	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	43,599.00	23,098.39	20,500.61	750.00	1.60
4839	5871NW	07829236	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	44,765.00	23,716.12	21,048.88	750.00	1.60
4840	5872NW	07826976	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	45,358.00	24,030.29	21,327.71	750.00	1.60
4841	5873NW	07826975	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	45,368.00	24,035.59	21,332.41	750.00	1.60
4842	5875NW	07829237	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	43,284.00	22,931.50	20,352.50	750.00	1.60
4844	5876NW	07826973	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	44,638.00	23,648.84	20,989.16	750.00	1.60
4845.1	5877NW	08388706	GMC	81	WALKIN 14FT ALUM SULLAIR 125	1983	59 B	27,467.00	12,354.43	15,112.57	750.00	1.60
4845.2						1982	59 B	11,671.00	6,183.20	5,487.80		
4846.1	5878NW	08388815	GMC	81	WALKIN 14FT ALUM SULLAIR 125	1983	59 B	24,925.00	11,211.06	13,713.94	750.00	1.60
4846.2						1982	59 B	13,471.00	7,136.82	6,334.18		
4847	5879NW	08388704	GMC	81	WALKIN 14FT ALUM SULLAIR 125	1983	59 B	38,184.00	17,174.84	21,009.16	750.00	1.60
5233.1	6050NW	08382492	INTL	82	GAS CONST SULLAIR 125	1982	59 B	20,543.00	10,883.51	9,659.49	750.00	1.60
5233.2						1983	59 B	28,180.00	12,675.13	15,504.87		
5234.1	6051NW	08382493	INTL	82	GAS CONST SULLAIR 125	1982	59 B	20,234.00	10,719.80	9,514.20	750.00	1.60
5238.1	6055NW	08388814	INTL	82	GAS CONST SULLAIR 125	1982	59 B	30,251.00	16,026.73	14,224.27	750.00	1.60
5238.2						1983	59 B	15,104.00	6,793.65	8,310.35		
5239.1	6056NW	08382503	INTL	82	GAS CONST SULLAIR 125	1982	59 B	21,971.00	11,640.05	10,330.95	750.00	1.60
5239.2						1983	59 B	27,760.00	12,486.22	15,273.78		
5240.1	6057NW	08382504	INTL	82	GAS CONST SULLAIR 125	1982	59 B	21,891.00	11,597.67	10,293.33	750.00	1.60
5241.1	6058NW	08382510	INTL	82	GAS CONST SULLAIR 125	1982	59 B	21,759.00	11,527.74	10,231.26	750.00	1.60
5241.2						1983	59 B	28,784.00	12,946.80	15,837.20		
5242.1	6059NW	08382509	INTL	82	GAS CONST SULLAIR 125	1982	59 B	22,021.00	11,666.54	10,354.46	750.00	1.60
5242.2						1983	59 B	28,785.00	12,947.25	15,837.75		
5424.1	6172NW	09119927	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1983	59 B	37,260.00	16,759.24	20,500.76	750.00	1.60
5424.2						1984	59 B	12,332.00	4,498.61	7,833.39		
5425	6173NW	09119926	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1984	59 B	48,178.00	17,574.93	30,603.07	750.00	1.60
5426	6174NW	09119925	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1984	59 B	47,346.00	17,271.43	30,074.57	750.00	1.60
5427	6175NW	09119924	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1984	59 B	48,176.00	17,574.20	30,601.80	750.00	1.60
5436	6184NW	09786014	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1983	59 B	42,804.00	19,252.88	23,551.12	750.00	1.60
5884	9564NW	05166244	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986	59 A	58,255.00	11,347.59	46,907.41	985.00	1.60
5885	9565NW	05166254	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986	59 A	58,255.00	11,347.59	46,907.41	985.00	1.60
5887	9567NW	05166259	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986	59 A	58,255.00	11,347.59	46,907.41	985.00	1.60

GAS VEHICLES - JULY 15, 1988

***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS CLAS CDE	PURCH COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
5888	9568NW	05166263	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986 59	A	58,258.00	11,348.17	46,909.83	985.00	1.40
5889	9569NW	05166266	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986 59	A	58,237.00	11,344.08	46,892.92	985.00	1.40
6420	9137RP	05970009	GMC	87	WALKIN 14FT ALUM SULLAIR 125	1988 59	A	66,913.24	7,346.52	59,566.72	985.00	1.60
6421.1	9138RP	05914144	GMC	87	WALKIN 14FT ALUM SULLAIR 125	1988 59	A	64,748.34	7,108.83	57,639.51	985.00	1.60
6421.2						1977 59	B	7,930.00	7,769.75	160.25		
NUMBER OF VEHICLES, THIS CLASS: 42												
4292	LSC205	07571676	FAIRMONT	80	SEDAN 4DR PS PB CNG	1981 72	B	6,056.00	4,757.75	1,298.25	200.00	0.45
4300	LSC213	07571620	FAIRMONT	80	SEDAN 4DR PS PB CNG	1981 72	B	6,057.00	4,758.53	1,298.47	200.00	0.45
4310	LSC222	07797153	MALIBU	80	SEDAN 4DR PS PB CNG	1981 72	B	6,386.00	5,017.00	1,369.00	200.00	0.45
4316	LSC228	07797250	MALIBU	80	SEDAN 4DR PS PB CNG	1981 72	B	6,442.00	5,061.00	1,381.00	200.00	0.45
4789	LSC334	08175467	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982 72	B	7,444.00	4,954.91	2,489.09	200.00	0.45
4802	LSC347	08266902	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982 72	B	7,424.00	4,941.60	2,482.40	200.00	0.45
4804	LSC349	08266903	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982 72	B	7,426.00	4,942.92	2,483.07	200.00	0.45
4809	LSC354	08175465	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982 72	B	7,400.00	4,925.63	2,474.38	200.00	0.45
4826	LSC370	08175466	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982 72	B	7,399.00	4,924.96	2,474.04	200.00	0.45
5128	LSC410	07943826	FAIRMONT	81	SEDAN 4DR PS PE CNG	1984 72	B	7,642.00	3,443.68	4,198.32	200.00	0.45
5147	LSC428	07943891	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982 72	B	7,704.00	5,127.98	2,576.02	200.00	0.45
5150	LSC431	07943893	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982 72	B	7,704.00	5,127.98	2,576.02	200.00	0.45
5151	LSC432	07943886	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982 72	B	7,709.00	5,131.30	2,577.70	200.00	0.45
5151	LSC433	07944030	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982 72	B	7,805.00	5,195.20	2,609.80	200.00	0.45
5151	LSC466	08287321	RELIANT	81	SEDAN 4DR PS PB CNG	1982 72	B	7,888.00	5,250.45	2,637.55	200.00	0.45
5151	LSC471	08287330	RELIANT	81	SEDAN 4DR PS PB CNG	1982 72	B	7,894.00	5,254.44	2,639.56	200.00	0.45
5151.1	LSC588	07953925	ARIES	82	SEDAN 4DR PS PB CNG	1983 72	B	7,879.00	4,377.77	3,501.23	200.00	0.45
5151.2						1986 72	A	1,636.00	393.66	1,242.34		
5616	LSC589	07953929	ARIES	82	SEDAN 4DR PS PB CNG	1983 72	B	7,879.00	4,377.77	3,501.23	200.00	0.45
5617	LSC590	07953924	ARIES	82	SEDAN 4DR PS PB	1983 72	B	7,879.00	4,377.77	3,501.23	200.00	0.45
5627	LSC600	08388657	ARIES	82	SEDAN 4DR PS PB CNG	1983 72	B	7,874.00	4,374.99	3,499.01	200.00	0.45
5802.1	LSC649	09786076	ARIES	84	SEDAN 4DR PS PB CNG	1984 72	A	8,642.00	3,894.20	4,747.70	230.00	0.20
5802.2						1986 72	A	1,636.00	393.66	1,242.34		
5833	LSC680	09786107	ARIES	84	SEDAN 4DR PS PB CNG	1984 72	A	8,642.00	3,894.75	4,748.25	230.00	0.20
NUMBER OF VEHICLES, THIS CLASS: 22												
5340.1	LSC522	08293085	ARIES	82	STATION WAGON PS PB CNG	1983 75	B	9,001.00	5,477.48	3,523.52	250.00	0.25
5340.2						1986 75	A	2,198.00	579.26	1,618.74		
NUMBER OF VEHICLES, THIS CLASS: 1												
6682	5354RY	05922126	DODGE	88	CARAVAN RR SEAT CNG	1989 77	A	15,871.11		15,871.11	270.00	0.30
NUMBER OF VEHICLES, THIS CLASS: 1												
4185	5510NW	06883871	GMC	80	VANDURA 110 WDW CNG	1980 78	B	8,848.00	8,481.18	366.82	230.00	0.55
4953	5970NW	08343549	CHEV	81	VANDURA 110 WDW CNG	1982 78	B	10,330.00	7,422.54	2,907.46	230.00	0.55
5917	0034MB	04805442	FORD	85	ECONOLINE 124 WDW SL DR CNG	1986 78	A	14,753.00	3,888.03	10,864.97	350.00	0.35
6126	9694NW	05309488	CHEV	86	VANDURA 110 WDW SL DR CNG	1987 78	A	17,141.00	2,546.15	14,594.85	350.00	0.35
NUMBER OF VEHICLES, THIS CLASS: 4												
4164	5500NW	06883876	GMC	80	VANDURA 125 WDW FIBRE ROOF CNG	1980 80	B	10,216.00	9,792.46	423.54	310.00	0.75
4374.1	5594NW	07454480	CHEV	80	VANDURA 125 WDW CNG	1981 80	B	10,780.00	9,039.48	1,740.52	310.00	0.75
4374.2						1986 80	A	1,173.00	309.13	863.87		
4376.1	5596NW	07454478	CHEV	80	VANDURA 125 WDW CNG	1981 80	B	8,962.00	7,515.01	1,446.99	310.00	0.75
4376.2						1986 80	A	1,470.00	387.41	1,082.59		

GAS VEHICLES - JULY 15, 1988

***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR CLASS		PURCH' COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
						IN	CLASS					
						SERV	CLAS CDE					
4277	5597NW	07454481	CHEV	80	VANDURA 125 WDW CNG	1981	80 B	10,883.00	9,125.85	1,757.15	310.00	0.75
4675	5781NW	08226067	GMC	81	VANDURA 125 WDW CNG	1982	80 B	12,208.00	8,771.96	3,436.04	310.00	0.75
4676	5782NW	08226071	GMC	81	VANDURA 125 WDW CNG	1982	80 B	12,625.00	9,071.59	3,553.41	310.00	0.75
4988	5979NW	8343572	CHEV	81	VANDURA 125 WDW CNG	1982	80 B	12,341.00	8,873.18	3,467.82	310.00	0.75
4989	5980NW	08343573	CHEV	81	VANDURA 125 WDW CNG	1982	80 B	12,259.00	8,808.60	3,450.40	310.00	0.75
4990	9885NW	08343574	CHEV	81	VANDURA 125 WDW CNG	1982	80 B	12,310.00	8,845.25	3,464.75	310.00	0.75
4991	5982NW	08343575	CHEV	81	VANDURA 125 WDW CNG	1982	80 B	13,478.00	9,684.50	3,793.50	310.00	0.75
4992.1	5983NW	08343576	CHEV	81	VANDURA 125 WDW CNG	1982	80 B	12,268.00	8,815.07	3,452.93	310.00	0.75
4992.2						1986	80 A	322.00	84.86	237.14		
5342.1	6107NW	08853601	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	12,067.00	7,342.27	4,723.73	310.00	0.75
5342.2						1986	80 A	2,276.00	599.82	1,676.18		
5346.1	6111NW	08853611	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	11,793.00	7,176.53	4,616.47	310.00	0.75
5349	6114NW	08853608	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	13,148.00	8,001.11	5,146.89	310.00	0.75
5350	6115NW	08853603	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	13,133.00	7,991.98	5,141.02	310.00	0.75
5353	6118NW	08853605	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	13,255.00	8,066.22	5,188.78	310.00	0.75
5354	6119NW	08853604	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	13,302.00	8,094.82	5,207.18	310.00	0.75
5445	6192NW	08122364	GMC	82	VANDURA 125 WDW CNG	1983	80 B	13,285.00	8,084.48	5,200.52	310.00	0.75
5446	6193NW	08122362	GMC	82	VANDURA 125 WDW CNG	1983	80 B	13,461.00	8,191.58	5,269.42	310.00	0.75
5590.1	6285NW	08122390	GMC	82	VANDURA 125 WDW CNG	1983	80 B	13,794.00	8,394.22	5,399.78	310.00	0.75
5590.2						1986	80 A	1,183.00	311.77	871.23		
5593.1	6287NW	07852861	GMC	82	VANDURA 125 WDW CNG	1983	80 B	11,979.00	7,289.72	4,689.28	310.00	0.75
5593.2						1986	80 A	2,312.00	609.31	1,702.69		
5597	6292NW	08122366	GMC	82	VANDURA 125 WDW CNG	1983	80 B	11,961.00	7,278.77	4,682.23	310.00	0.75
5722.1	6359NW	09786192	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1986	80 A	2,312.00	609.31	1,702.69		
5722.2						1983	80 B	13,460.00	8,190.97	5,269.03	310.00	0.75
5723.1	6360NW	09786193	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,170.00	6,121.02	10,048.98	465.00	0.40
5723.2						1987	80 A	2,485.00	369.13	2,115.87		
5724	6361NW	09786194	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,124.00	6,103.61	10,020.39	465.00	0.40
5725.1	6362NW	09120053	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1986	80 A	2,276.00	599.82	1,676.18		
5725.2						1985	80 A	16,119.00	6,101.71	10,017.29	465.00	0.40
5728.1	6365NW	04218215	DODGE	84	TRADESMAN 127 WDW MAXI FBR CNG	1985	80 A	16,000.00	6,056.67	9,943.33	465.00	0.40
5728.2						1986	80 A	2,255.00	594.29	1,660.71		
5730	6368NW	09786196	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	14,459.00	5,473.33	8,985.67	465.00	0.40
5731.1	6369NW	09645880	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1986	80 A	2,276.00	599.82	1,676.18		
5731.2						1985	80 A	16,084.00	6,088.46	9,995.54	465.00	0.40
5732	6370NW	09786197	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,883.00	6,390.92	10,492.08	465.00	0.40
5921	0049NB	04827677	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986	80 A	2,276.00	599.82	1,676.18		
5923	1725NB	04827695	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,426.00	6,217.93	10,208.07	465.00	0.40
5924	1726NB	04827690	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986	80 A	18,795.00	4,953.27	13,841.73	465.00	0.40
5927	0029NB	04797418	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986	80 A	18,743.00	4,939.56	13,803.44	465.00	0.40
5928	0030NB	04797422	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986	80 A	16,548.00	4,361.09	12,186.91	465.00	0.40
6148	9789NW	05356558	CHEV	86	VANDURA 125 WDW SL DR CNG	1986	80 A	17,674.00	4,657.84	13,016.16	465.00	0.40
6149	9790NW	05356563	CHEV	86	VANDURA 125 WDW SL DR CNG	1986	80 A	18,577.00	4,895.81	13,681.19	465.00	0.40
6150	9791NW	05356567	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,767.00	3,233.31	18,533.69	465.00	0.40
6154	9792NW	05356572	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,762.00	3,232.56	18,529.44	465.00	0.40
6155	9798NW	05356548	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,762.00	3,232.56	18,529.44	465.00	0.40
6156	9799NW	05356555	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,895.00	3,252.32	18,642.68	465.00	0.40
6159	9793NW	05356578	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,213.00	3,151.01	18,061.99	465.00	0.40
6160	9794NW	05356594	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,395.00	3,178.05	18,216.95	465.00	0.40
						1987	80 A	21,579.00	3,205.38	18,373.62	465.00	0.40
						1987	80 A	21,684.00	3,206.12	18,377.88	465.00	0.40

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR CLASS		PURCH' COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
						IN SERV	CLAS CDE					
6162	9800NW	05356561	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,254.00	3,157.10	18,096.90	465.00	0.40
6163	9795NW	05356598	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,556.00	3,201.96	18,354.04	465.00	0.40
6164	9796NW	05356605	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,651.00	3,216.08	18,434.92	465.00	0.40
6165	9797NW	05356629	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	22,268.00	3,307.73	18,960.27	465.00	0.40
6167	9801NW	05356568	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	20,409.00	3,031.59	17,377.41	465.00	0.40
6174	9836NW	05413408	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,057.00	3,127.84	17,929.16	465.00	0.40
6175	9802NW	05356573	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,552.00	3,201.37	18,350.63	465.00	0.40
6176	9803NW	05356906	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,547.00	3,200.63	18,346.37	465.00	0.40
6178	9837NW	05413397	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	18,496.00	2,747.43	15,748.57	465.00	0.40
6179	9838NW	05413407	CHEV	86	VANDURA 125 WDW SL DR CNGRRST	1987	80 A	21,242.00	3,155.47	18,087.53	465.00	0.40
6180	9805NW	05356591	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,542.00	3,200.76	18,347.24	465.00	0.40
6181	9806NW	05356596	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	22,174.00	3,293.76	18,880.24	465.00	0.40
6182	9807NW	05356601	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,456.00	3,187.11	18,268.89	465.00	0.40
6183	9808NW	05356628	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,282.00	3,161.26	18,120.74	465.00	0.40
6184	9809NW	05356634	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,468.00	3,188.89	18,279.11	465.00	0.40
6185	9810NW	05356637	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,473.00	3,189.64	18,283.36	465.00	0.40
NUMBER OF VEHICLES, THIS CLASS: 60												
2881.1	5138NW	05372857	GMC	77	FL DK 17FT SKB9TM52 CNG	1978	85 B	24,930.00	22,182.51	2,747.49	1,690.50	
2881.2						1986	85 A	9.72	1.89	7.83		
5244.1	6061NW	08388722	INTL	82	FL DK ATLAS 3006 CNG	1982	85 B	24,087.00	12,761.09	11,325.91	1,337.07	
F						1980	85 B	9,609.00	6,820.39	2,788.61		
1						1971	85 B	1,698.00	2,750.41	(1,052.41)		
NUMBER OF VEHICLES, THIS CLASS: 2												
1162			LINCOLN	80	WELDER ON 4473	1981	91 B	4,981.00	2,022.49	2,958.51	200.00	
1180			LINCOLN	77	WELDER ON 816X	1978	91 B	3,291.00	2,224.85	1,066.15	200.00	
1181			LINCOLN	75	WELDER ON 2216	1976	91 B	3,005.00	2,572.41	432.59	200.00	
1183			LINCOLN	77	WELDER ON 2214	1978	91 B	3,290.00	2,224.18	1,065.82	200.00	
1184			LINCOLN	77	WELDER ON 815X	1978	91 B	3,290.00	2,224.18	1,065.82	200.00	
1190			LINCOLN	77	WELDER ON 145W	1978	91 B	3,290.00	2,224.18	1,065.82	200.00	
1249			TAYLORDUNN	71	BURDEN CARRIER ELECTRIC	1972	91 B	2,840.00	3,452.56	(612.56)	200.00	
1297			LINCOLN	74	WELDER ON 6206	1975	91 B	2,450.00	2,317.80	132.20	200.00	
NUMBER OF VEHICLES, THIS CLASS: 8												
1032			SULLAIR	81	COMPRESSOR 85CFM IN 3787	1982	92 B	6,993.00	2,419.87	4,573.13	200.00	
1064			TAYLOR DUN	75	BURDEN CARRIER ELECTRIC	1975	92 B	3,676.00	3,477.65	198.35	200.00	
1171			LINCOLN	81	WELDER ON 5220	1982	92 B	5,143.00	1,779.69	3,363.31	200.00	
1300			CUSHMAN	77	BURDEN CARRIER ELECTRIC	1978	92 B	4,515.00	3,052.33	1,462.67	200.00	
1301			CUSHMAN	77	BURDEN CARRIER ELECTRIC	1978	92 B	4,557.00	3,080.72	1,476.28	200.00	
1305			CUSHMAN	78	BURDEN CARRIER ELECTRIC	1979	92 B	6,211.00	3,639.90	2,571.10	200.00	
NUMBER OF VEHICLES, THIS CLASS: 6												
1082			TOYOTA	72	FORKLIFT 2000LB PROPANE	1972	93 B	6,981.00	8,489.19	(1,508.19)	300.00	
1278	X56237	02576325	MASS FERG	73	WHEEL LOADER	1975	93 B	10,107.00	9,561.64	545.36	300.00	
1321	28572Y	06440590	WAYNE	78	CHIPPER 16IN T	1979	93 B	13,558.00	7,945.55	5,612.45	300.00	
NUMBER OF VEHICLES, THIS CLASS: 3												
1009			TOYOTA	77	FORKLIFT 2000 LB PROPANE	1978	94 B	12,590.00	8,511.36	4,078.64	300.00	
NUMBER OF VEHICLES, THIS CLASS: 1												

GAS VEHICLES - JULY 15, 1988

***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN	CLASS SERV CLAS CDE	PURCH' COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
1111	X05185	00735763	BULLMOOSE	57	CRANEMOBILE	1957	95 B	12,962.00	34,038.75	(21,076.75)	450.00	
					NUMBER OF VEHICLES, THIS CLASS: 1							
1004	X05174	06114425	YALE	78	FORKLIFT 6000LB	1978	96 B	26,765.00	18,094.26	8,670.74	600.00	
1306			CLARK	78	FORKLIFT 8000LB CNG	1979	96 B	24,550.00	14,387.32	10,162.68	600.00	
					NUMBER OF VEHICLES, THIS CLASS: 2							
						***	380	6849596.58	3168444.44	3682143.94		

DATED: the 29th day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

AMENDED AND RESTATED
VEHICLE LEASE

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-H/MG/3-2

File No. 1166/9

**AMENDED AND RESTATED
VEHICLE SERVICES AGREEMENT**

THIS AGREEMENT made as of the 29th day of September, 1988 is an amendment and re-statement of an agreement made as of July 15, 1988 between the parties noted below.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, c. 188

("Hydro")

AND:

OF THE FIRST PART

B.C. GAS INC., a body corporate under the laws of the Province of British Columbia, having its registered office at 2800 - 595 Burrard Street, Vancouver, in the Province of British Columbia

(the "Company")

OF THE SECOND PART

W H E R E A S:

A. By separate agreement made as of the 15th day of July, 1988 (the "Asset Transfer Agreement"), Hydro agreed to sell to the Company and the Company agreed to Purchase from Hydro certain assets upon the terms more specifically set out therein;

B. For the purposes of this Agreement, all capitalized words herein shall have the same meaning given to those words in the Asset Transfer Agreement, unless otherwise defined herein;

C. By vehicle lease agreement (the "Vehicle Lease Agreement") made as of July 15, 1988, the form of which is attached hereto as Schedule "A", Hydro agreed to lease to the Company and the Company agreed to lease from Hydro certain vehicles described in Schedule "A" of the Vehicle Lease Agreement, in the manner and subject to the terms and conditions therein set forth; and

D. The parties hereto desire to enter into an agreement to govern the supply of services and maintenance with respect to the vehicles leased by Hydro to the Company.

NOW THEREFORE THIS AGREEMENT WITNESSES THAT in consideration of the premises and of the mutual covenants and agreements herein contained the parties hereto agree as follows:

1.0 DEFINITIONS

- (a) **"Variable Expenses"** means those variable operating expenses incurred by Hydro in performing the Services and charged by Hydro to the Company in accordance with paragraph 4.0 herein, including the following:
 - (i) supervision and labour;
 - (ii) fuel, parts and lubricants required for the operation of the Vehicles;
 - (iii) tires and tire services;
 - (iv) providing and administering a preventative maintenance program for the regulated Vehicles, as required by the Department of Transportation and Highways, and for unregulated Vehicles as established by Hydro; and

- (v) department overheads.
- (b) **"Fixed Expenses"** means those fixed operating expenses incurred by Hydro in performing the Services and charged by Hydro to the Company in the monthly rental payments provided for in paragraph 4.0 of the Vehicle Lease Agreement, including the following:
 - (i) supervision and labour;
 - (ii) administration and operation of the fleet credit card system;
 - (iii) administration of the tire contracts;
 - (iv) licences and minimum third party ICBC insurance coverage to \$200,000 on the Vehicles;
 - (v) engineering and contract administration of new Vehicle acquisitions;
 - (vi) costs associated with selling surplus Vehicles;
 - (vii) computer and computer related costs;
 - (viii) the recovery with interest of the costs of conversion of any Vehicle to NGV;
 - (ix) interest carrying costs on the Vehicles;
 - (x) depreciation on the Vehicles;

(xi) department overheads;

(xii) corporate overheads.

2.0 SERVICES

2.01 Subject to the terms and conditions hereof, Hydro shall perform certain services (the "Services") with respect to the vehicles described in Appendix "A" of the Vehicle Lease Agreement and any replaced or substituted vehicles (collectively the "Vehicles"), including:

- (a) providing all supervision and labour;
- (b) providing all fuels, parts, and lubricants required for the operation of the Vehicles;
- (c) operating and administering a fleet credit card system;
- (d) providing bulk fuel facilities personnel;
- (e) providing tires, tire services, and administering tire contract(s);
- (f) providing and administering a preventive maintenance programme for the regulated Vehicles, as required by the Department of Transportation and Highways, and for the unregulated Vehicles as established by Hydro;
- (g) arranging licences and minimum third party ICBC insurance coverage to \$200,000.00 and basic vehicle insurance with respect only to the Vehicles and not with respect to any tools or other items which may be carried in or on the Vehicles;

- (h) providing engineering and contract administration of new Vehicle acquisitions;
- (i) selling any Vehicles to be replaced in accordance with the Vehicle Lease Agreement;
- (j) providing data collection, processing and report generation for fleet management, cost collection and distribution purposes, with respect to all Vehicle-related expenditures; and
- (k) arranging for the conversion of any Vehicle to NGV.

2.02 The Company shall be responsible for insurance coverage in excess of that provided under paragraph 2.01(g) herein.

2.03 Hydro shall use all reasonable efforts to provide the Services in a complete and timely manner during the term of this Agreement. The Services shall be provided by Hydro to the Company on an equal priority basis as the services provided by Hydro with respect to its other vehicles and in accordance with the standards Hydro applies in providing similar services to its own vehicles.

2.04 Hydro will prepare and maintain records related to the Services, which records will be open to audit examination by the Company during regular business hours of Hydro during the currency of this Agreement and for a period of one (1) year after the termination of this Agreement.

2.05 Hydro covenants and agrees to maintain the spare parts inventory for the Vehicles as would be required by a prudent owner thereof.

3.0 ADDITIONAL SERVICES

Hydro may provide additional services not related to the maintenance of the Vehicles as may be requested from time to time by the Company, including non-maintenance related emergency road service and towing. Additional services shall be billed by Hydro to the Company separately and on an actual cost recovery basis.

4.0 PAYMENT

4.01 As consideration for the Services that are chargeable as Variable Expenses, the Company will make monthly payments to Hydro within twenty (20) days following the receipt by the Company of each monthly invoice, based on the schedule of Variable Expense charge rates described in Column C of Appendix "A" of the Lease Agreement which charge rates will be revised bi-annually upon agreement between the Company and Hydro on the basis of actual cost recovery and the equitable distribution of any allocated costs.

4.02 After Hydro's year-end, Hydro will determine the difference between the actual Variable Expenses incurred by Hydro in performing the Services and the amount paid to Hydro by the Company pursuant to paragraph 4.01 herein (the "Adjustment"), and will notify the Company of the Adjustment forthwith. Adjustments owed to the Company or Hydro, as the case may be, will be paid by the other party immediately following such notification.

4.03 The Company will pay interest to Hydro on any and all overdue amounts at the rate of interest of 1.5% per month

(equivalent to 19.6% per annum when compounded monthly) payable to Hydro on the last day of each month.

5.0 OBLIGATIONS OF THE COMPANY

The Company shall:

- (a) assist Hydro by providing all available and necessary information that Hydro will require to provide the Services;
- (b) give Hydro prompt and sufficient notice of changes in priorities or programmes likely to affect materially the Services;
- (c) examine all requests, reports or other documents presented by Hydro and promptly provide in writing decisions or general instructions pertaining thereto so as not to delay the Services;
- (d) irrevocably grant to Hydro, its employees and agents, access at all reasonable times to real and personal property of the Company for all necessary purposes relating to the Services; and
- (e) use its best efforts to facilitate the providing of the Services by Hydro.

6.0 TERMINATION

6.01 This Agreement shall commence on July 16, 1988 and shall terminate and be of no further force or effect on six months notice by the Company and, in any event, shall terminate on September 30, 1991; provided that termination shall be subject to the rights and remedies of both parties accruing to the date of termination and that clauses 11.0 and 13.02 shall survive termination.

6.02 On termination of this Agreement, the Company will provide employment to those employees who have provided the Services, and who are selected and designated by Hydro in consultation with the Company, using reasonable efforts to accommodate the Company's requests. The number of employees to be designated shall not exceed 22 persons. The job function and salary offered to the employees shall be substantially the same as the job function and salary provided by Hydro immediately prior to the termination of this Agreement. Unless there are contractual obligations impending such action, the Company shall allow any employee who accepts employment with the Company to take any vacation accrued while an employee of Hydro or, at the employee's option, shall pay the employee for such accrued vacation.

6.03 On termination of this Agreement, Hydro will prepare and provide to the Company a list of all written or oral plans or contracts providing benefits to those employees designated by Hydro under paragraph 6.02 herein, including bonus, pension, profit sharing, retirement, incentive compensation, deferred compensation, health, hospitalization, medical, disability, death benefit and insurance plans. On termination of the Agreement, Hydro shall have fulfilled all of its obligations under all such employee benefit plans and programs and all such plans and programs shall be fully funded and in compliance with all

applicable laws, rules and regulations. No pension or employee benefit plans or severance obligations shall be transferred to the Company or constitute a lien, charge or encumbrance, direct or indirect, against the assets or business of the Company.

7.0 PURCHASE AND SALE OF VEHICLES

7.01 On termination of this Agreement, the Company shall purchase from Hydro and Hydro shall sell to the Company the Vehicles owned by Hydro, in the following manner:

- (a) the Company shall pay to Hydro the net book value of the Vehicles, as determined in accordance with Column A of Appendix "A" of the Vehicle Lease Agreement, as amended from time to time to reflect depreciation, replacement and disposal of Vehicles;
- (b) the Company shall purchase from Hydro at net book value all spare parts specifically held in Hydro's inventory for the Vehicles; and
- (c) the Company shall pay to Hydro any unpaid balance with respect to any monthly payments or interest due thereon, pursuant to clauses 4.01 and 4.02 herein.

7.02 On termination of this Agreement, Hydro shall assign to the Company and the Company shall assume the leases relating to the Vehicles leased by Hydro. On assignment of the leases, Hydro shall have fulfilled all of its obligations under all such assigned leases.

8.0 THIRD PARTY

 In the event that Hydro is unable to provide adequate and acceptable service levels, upon 30 days written notice to

Hydro, the Company may augment service from whatever alternative sources it chooses.

9.0 ASSIGNMENT AND SUB-CONTRACTS

Hydro may assign this Agreement, other than the provisions of Clause 11.0, or sub-contract all or any part of the Services to any person or corporation, provided always that the Company consents, such consent not to be unreasonably withheld.

10.0 INDEPENDENCE OF HYDRO

10.01 All employees and agents, including sub-contractors, of Hydro providing the Services to the Company will remain the employees or agents of Hydro and not of the Company. Hydro, solely, will control manning and staffing, pay, discipline, insurance, compensation and all other matters in connection with the employer-employee, or agency, relationship.

10.02 Hydro, its employees and agents, will provide the Services with the care, skill and diligence equal to the standard that Hydro establishes for its own purposes, and in compliance with all mandatory governmental and other required health and safety standards.

10.03 The Company may give Hydro, and Hydro will make a reasonable effort to carry out, those general instructions as the Company deems necessary from time to time provided that Hydro, its employees or agents, will not be subject to the control of the Company in respect of the manner in which such general instructions are carried out.

11.0 LIABILITY AND INDEMNITY

11.01 Hydro, its employees or agents, will not be liable for any injury including death to the person of any employee or agent of the Company or for the loss of or damage to the property of the Company, or any of the employees or agents of the Company, that is caused in any way by Hydro's performance of the Services under this Agreement unless the injury, loss, or damage is caused by a grossly negligent act or omission of an employee or agent of Hydro while acting within the scope of his employment with Hydro.

11.02 Hydro, its employees or agents, will not be liable to the Company for any loss of revenue or profits or other indirect, consequential or financial loss that is caused in any way by Hydro's performance of the Services under this Agreement, whether such loss is caused by an act or omission of Hydro, its employees or agents, later found to be negligent or otherwise.

11.03 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the Company will at all times indemnify and save harmless Hydro, its employees and agents from and against all claims, demands, losses, costs, damages, actions, suits or other proceedings made, sustained, brought or prosecuted that are based upon, or caused in any way by act or omission by any of the employees or agents of Hydro in connection with the Services performed, purportedly performed or required to be performed by Hydro under this Agreement unless such act or omission was grossly negligent.

12.0 SUSPENSION

 If as a result of any emergency or force beyond the reasonable control of either party herein or strike, lockout or other such disturbance of either party (the "Force Majeure"), either party is or was wholly or partly unable because of the

Force Majeure, to perform an obligation arising from this Agreement and claims that a Force Majeure is occurring or has occurred and reasonably establishes that fact, then the performance of the obligation shall be deemed to be suspended provided always that:

- (a) the suspension shall be of no greater scope and no longer duration than the Force Majeure,
- (b) the non-performing party shall make its best efforts to counter the Force Majeure or to otherwise remedy its inability to perform the obligation,
- (c) a performance required at a time other than when the Force Majeure is occurring shall not be excused by the Force Majeure, and
- (d) an obligation to make a payment when due shall not be excused by the Force Majeure.

13.0 DISPUTE LIMITATION

13.01 A party shall not commence any legal proceedings against the other party in respect of the interpretation or enforcement of this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party, following which either party shall have the right to submit any dispute with the other party arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment thereof, and the decision of the arbitration panel shall be final and binding.

13.02 Subject to paragraph 13.03 and notwithstanding any statutory limitation to the contrary, a party shall not commence any action, arbitration or other proceeding between the parties after the expiry of a period of two (2) years after termination of this Agreement.

13.03 Paragraph 13.02 shall not apply in respect of any action or other proceeding commenced by any third party, other than a company affiliated with or related to the Company, against the Company for which, but for the provisions of paragraph 13.02, the Company would have recourse against Hydro.

14.0 AMENDMENTS

At any time during this Agreement the parties may execute and deliver any instruments or agreements modifying or supplementing this Agreement which thereafter shall form part hereof.

15.0 GENERAL

15.01 All terms, covenants and conditions contained in the Vehicle Lease Agreement are incorporated and deemed to be a part of this Agreement, whether or not specifically set forth herein. If any provision of the Vehicle Lease Agreement contradicts any provision of this Agreement, the provisions of this Agreement shall prevail.

15.02 This Agreement together with the Vehicle Lease Agreement constitutes the entire agreement between the parties regarding this subject matter and there are no understandings or agreements collateral hereto, oral or otherwise, and no representations or warranties, express or implied relative to the subject matter hereof.

15.03 Any notice, report or other document that either party may be required or may desire to give to the other party shall be in writing, unless otherwise specified herein, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex, or facsimile copier, when received:

(a) if to the Company:

B.C. Gas Inc.
#2300, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: Secretary

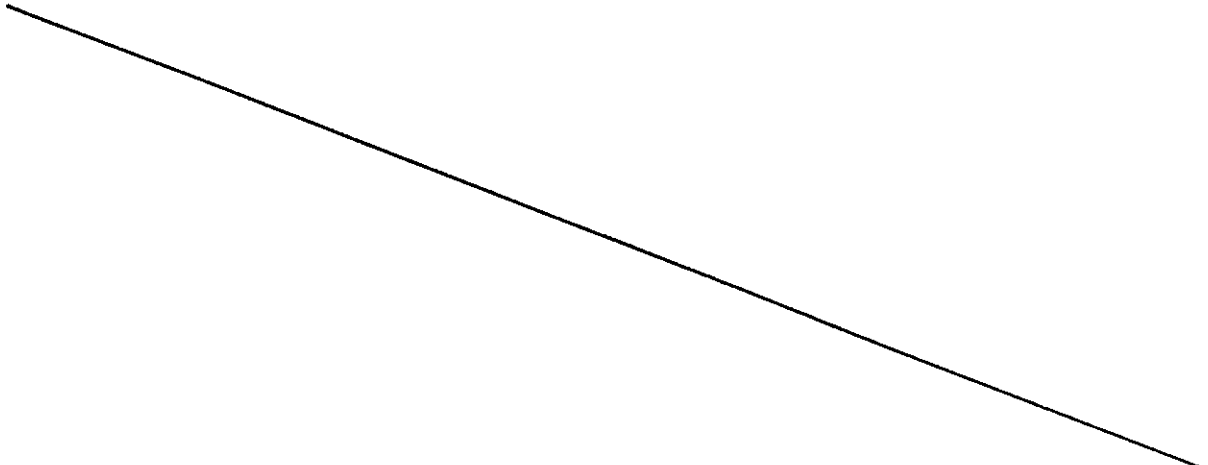
(b) if to B.C. Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

or at such other address as either party may from time to time designate by notice in writing to the other.

15.04 The parties will do such reasonable acts and things and execute and deliver such further and other documents and assurances as may be reasonably required for the purposes of carrying out the true meaning and intent of this Agreement.




15.05 This Agreement shall be governed by and construed in accordance with the laws of the Province of British Columbia and the laws of Canada where applicable.

15.06 The headings or captions appearing in this Agreement are inserted for ease of reference only and shall have no effect on the construction or interpretation of this Agreement.

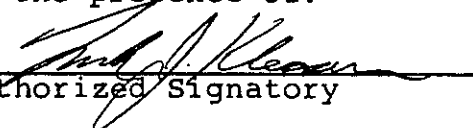
15.07 This Agreement will enure to the benefit of and be binding upon the parties hereto and their heirs, executors, administrators, successors and assigns of the parties.

15.08 Upon execution by the parties, this Agreement replaces and supercedes the prior Agreement made as of the 15th day of July, 1988 between the parties.

IN WITNESS WHEREOF the parties have executed this Agreement as of the day and year first above written.

THE COMMON SEAL OF
BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY
was hereunto affixed in the
presence of:

Authorized Signatory

C/S

THE COMMON SEAL OF B.C. GAS
INC. was hereunto affixed
in the presence of:

Authorized Signatory

C/S

WPD-DRJ/37-3

SCHEDULE "A"

AMENDED AND RESTATED
VEHICLE LEASE

THIS LEASE AGREEMENT made as of the 29th day of September, 1988 is an amendment and re-statement of a lease agreement made as of July 15, 1988 between the parties noted below.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, c. 188

(the "Lessor")

OF THE FIRST PART

AND:

B.C. GAS INC., a body corporate under the laws of the Province of British Columbia, having its registered office at 2800, 595 Burrard Street, Vancouver, British Columbia

(the "Lessee")

OF THE SECOND PART

WITNESSETH:

The Lessor hereby agrees to lease to the Lessee and the Lessee hereby agrees to lease from the Lessor the motor vehicles described in Appendix "A" attached hereto (the "Vehicles").

The Lessor and the Lessee further agree on the following conditions:

1.0 REGISTRATION

The Vehicles owned by the Lessor shall be registered in the name of the Lessor at all times while this Agreement is in force; provided that in the event such Vehicles must be registered in the name of the Lessee in order to comply with any Federal, Provincial or Municipal statutes, laws, ordinances, rules or regulations, the Lessor will register the Vehicles in the name of the Lessee. Notwithstanding any of the above terms of registration it is understood and agreed between the parties hereto that the Lessee shall determine the registration requirements with regard to its operation of the Vehicles and the Lessee shall be solely liable and responsible for the infraction of or non-compliance with any Federal, Provincial or Municipal statute, law, ordinance, rule or regulation whatsoever relating to the operation or use of a motor vehicle.

2.0 TERM

The Lease term shall commence on the date the Vehicles are delivered to the Lessee and shall terminate in accordance with the terms of the Vehicle Services Agreement.

3.0 RENTAL PAYMENTS

3.01 The Lessee shall pay the monthly rental payment for each Vehicle within twenty (20) days following the receipt by the Lessee of each monthly invoice. The monthly rental payment invoiced amount shall be based upon the amounts specified in Column B of Appendix "A" attached hereto, subject to any adjustment due to increased or decreased cost of the Fixed Expenses.

3.02 After the Lessor's year-end, the Lessor will determine the difference between the actual Fixed Expenses incurred by the

Lessor with respect to the Vehicles and the amount paid to the Lessor by the Lessee pursuant to paragraph 3.01 herein (the "Adjustment") and will notify the Lessee of the Adjustment forthwith. Adjustments owed to the Lessor or the Lessee, as the case may be, will be paid by the other party immediately following such notification.

3.03 The Lessee will pay interest to the Lessor on any and all overdue amounts at the rate of interest of 1.5% per month (equivalent to 19.6% per annum when compounded monthly) payable to the Lessor on the last day of each month.

4.0 REGISTRATION, LICENSING, AND TAXES

The cost of all registration and licensing of the Vehicles in the Lessor's name shall be paid by the Lessee. Other than as specified in the Vehicle Services Agreement, the Lessee shall pay any other inspection fees, fines, penalties, taxes, assessments, fees and charges imposed upon the Vehicles arising out of or in any way connected with the leasing, use, or operation of the Vehicles.

5.0 WARRANTY

The only warranty on the Vehicles is the warranty provided by the manufacturer.

6.0 USE AND OPERATION

The Lessee shall permit only safe, careful, licensed, and authorized drivers to operate the Vehicles. The Vehicles shall be used only for lawful purposes and only in Canada and the United States. Responsibility for the observance of and compliance with all laws governing the Vehicles and their use remain

solely with the Lessee. The Lessee shall not sublet the Vehicles or load, use, operate, or store the Vehicles negligently or improperly, or so as to void any insurance claim or policy, or use the same in a race or speed contest, or permit the Vehicles to become subject to any lien, charge, or encumbrance.

7.0 INSURANCE

7.01 The Lessee shall not use, or permit the use of, the Vehicles during any period when the Vehicles are not insured pursuant to paragraph 2.01(g) of the Vehicle Services Agreement.

7.02 The Lessee, its agents, and employees will co-operate fully with the Lessor and any insurance carriers in the investigation and defense of any claims or suits arising from the operation of the Vehicles, including furnishing the Lessor or the insurance carriers with such reports and information as the Lessor or insurance carriers may require or request. The Lessee will deliver forthwith to the Lessor any papers or documents whatsoever served upon or delivered to the Lessee, its agents, or employees in connection with any suit, action, or legal proceeding threatened against the Lessee or the Lessor arising out of the Lessee's custody or operation of the Vehicles.

7.03 The Lessee shall notify the Lessor of any accident or the loss of or damage to the Vehicles by the end of the following business day. In the event that any claim be made or action commenced involving use of the Vehicles, the Lessee shall immediately furnish the Lessor with the particulars thereof in writing.

8.0 MAINTENANCE AND REPAIRS

The responsibility for payment of maintenance and repair costs is set out in the Vehicle Services Agreement.

9.0 INSPECTION OF THE VEHICLE

The Lessor, its agents, or employees may enter upon the Lessee's property or any other place where the Vehicles may be found, at all reasonable times and upon reasonable notice, for the purpose of inspecting the Vehicles.

10.0 INDEMNITY

10.01 The Lessor shall not be responsible to the Lessee, or to its agents, servants, or employees, for any loss of business or other damage caused by the time lost in the repairing or replacing of any Vehicles. It is expressly understood that the Lessor assumes no liability or responsibility for any acts or omissions of the Lessee or of the Lessee's agents or employees, or for any loss or theft of property from the Vehicles or for damages caused to the property of any third party by the Vehicles, provided however the Lessor shall be liable for any act of any of its employees, agents, or servants, while servicing the Vehicles which results in damage to property.

10.02 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the Lessee shall indemnify, defend, and hold the Lessor, its agents, officers, and employees harmless of and from any and all losses, damages, claims, demands or liability of any kind or nature whatsoever, including legal expense, arising from the use, condition (including, without limitation, latent and other defects, whether or not discoverable by the Lessor), or operation

of the Vehicles, by whomsoever used or operated, during the term hereof; provided that the Lessee shall not be liable for nor indemnify the Lessor for any act by any employee, agent or servant of the Lessor while servicing the Vehicles which results in damages caused to property.

11.0 REPLACEMENT

Subject to the prior written approval of the Lessee, the Lessor shall have the right to replace the Vehicles with comparable Vehicles and thereafter the replacement Vehicles shall be subject to all the terms and conditions hereof and an adjustment in monthly rental payment as advised by the Lessor. The Lessor shall retain the proceeds of any sale and pay the purchase price for any replaced Vehicles. Any gain or loss realized on the sale of a Vehicle shall be for the account of the Lessee. Such gain will be paid promptly by the Lessor to the Lessee and such loss reimbursed promptly to the Lessor by the Lessee.

12.0 DISPUTE LIMITATION

12.01 A party shall not commence any legal proceedings against the other party in respect of the interpretation or enforcement of this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party, following which either party shall have the right to submit any dispute with the other party arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment thereof, and the decision of the arbitration panel shall be final and binding.

12.02 Notwithstanding any statutory limitation to the contrary, a party shall not commence any action, arbitration or other proceeding between the parties after the expiry of a period of two (2) years after termination of this Agreement.

13.0 AMENDMENTS

At any time during this Agreement the parties may execute and deliver any instruments or agreements modifying or supplementing this Lease Agreement which thereafter shall form part hereof.

14.0 GENERAL

14.01 All terms, covenants and conditions contained in the Vehicle Services Agreement are incorporated and deemed to be a part of this Lease Agreement, whether or not specifically set forth herein. If any provision of this Lease Agreement contradicts any provision of the Vehicle Services Agreement, the provisions of the Vehicle Services Agreement shall prevail.

14.02 This Lease Agreement together with the Vehicle Services Agreement constitutes the entire agreement between the parties regarding this subject matter and there are no understandings or agreements collateral hereto, oral or otherwise, and no representations or warranties, express or implied relative to the subject matter hereof.

14.03 Any notice, report or other document that either party may be required or may desire to give to the other party shall be in writing, unless otherwise specified herein, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex, or facsimile copier, when received:

(a) if to the Company:

B.C. Gas Inc.
#2300, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: Secretary

(b) if to B.C. Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

or at such other address as either party may from time to time designate by notice in writing to the other.

14.04 The parties will do such reasonable acts and things and execute and deliver such further and other documents and assurances as may be reasonably required for the purposes of carrying out the true meaning and intent of this Agreement.

14.05 This Lease Agreement shall be governed by and construed in accordance with the laws of the Province of British Columbia and the laws of Canada where applicable.

14.06 The headings or captions appearing in this Lease Agreement are inserted for ease of reference only and shall have no effect on the construction or interpretation of this Lease Agreement.

14.07 This Lease Agreement will enure to the benefit of and be binding upon the parties hereto and their heirs, executors, administrators, successors and assigns of the parties.

14.08 Upon execution by the parties, this Agreement replaces and supercedes the prior Agreement made as of the 15th day of July, 1988 between the parties.

IN WITNESS WHEREOF the parties have executed this Lease Agreement as of the day and year first above written.

THE COMMON SEAL OF)
BRITISH COLUMBIA HYDRO)
AND POWER AUTHORITY)
was hereunto affixed in)
the presence of:)
)
)

Authorized Signatory)

C/S

THE COMMON SEAL OF B.C. GAS)
INC. was hereunto affixed)
in the presence of:)
)
)

Authorized Signatory)

C/S

APPENDIX "A"

page 1

GAS VEHICLES - JULY 15, 1986

***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR CLASS		PURCH' COST	ACCDEN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
						IN	CLAS CDE					
3931	LSC104	07177612	ASPEN	79	SEDAN 4DR PS PB	1980	12 B	5,018.00	4,544.43	473.57	185.00	0.30
3932	LSC105	07177798	ASPEN	79	SEDAN 4DR PS PB	1980	12 B	5,018.00	4,544.43	473.57	185.00	0.30
4304	LSC217	07571451	FAIRMONT	80	SEDAN 4DR PS PB	1981	12 B	6,045.00	4,749.10	1,295.90	185.00	0.30
4305	LSC218	07571453	FAIRMONT	80	SEDAN 4DR PS PB	1981	12 B	6,050.00	4,753.03	1,296.97	185.00	0.30
4327	LSC238	07797150	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	6,500.00	5,106.56	1,393.44	185.00	0.30
4348	NJJ040	07797154	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	6,781.00	5,327.32	1,453.68	185.00	0.30
4542	LSC269	07780669	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	7,079.00	5,561.44	1,517.56	185.00	0.30
4547	LSC273	07454438	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	7,465.00	5,864.69	1,600.31	185.00	0.30
4555	LSC281	07780668	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	7,072.00	5,555.94	1,516.06	185.00	0.30
4570	LSC293	07791389	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	7,049.00	5,537.87	1,511.13	185.00	0.30
4579	LSC302	07454290	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	7,052.00	5,541.01	1,511.99	185.00	0.30
4790	LSC335	08413675	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,443.00	4,954.25	2,488.75	185.00	0.30
4797	LSC342	08266893	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,511.00	4,999.51	2,511.49	185.00	0.30
4819	LSC363	08266847	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,442.00	4,953.58	2,488.42	185.00	0.30
4820	LSC354	08266890	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,463.00	4,967.56	2,495.44	185.00	0.30
4824	LSC368	08266888	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,560.00	5,032.13	2,527.89	185.00	0.30
4825	LSC369	08266905	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,580.00	5,045.44	2,534.56	185.00	0.30
5129	LSC411	08158354	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,672.00	5,106.68	2,565.33	185.00	0.30
5130	LSC412	08158355	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,711.00	5,132.63	2,578.37	185.00	0.30
5131	LSC413	07943824	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,478.00	4,977.54	2,500.46	185.00	0.30
5156	LSC437	07944029	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,726.00	5,142.62	2,583.38	185.00	0.30
51	LSC446	08287304	RELIANT	81	SEDAN 4DR PS PB	1982	12 B	7,892.00	5,253.11	2,638.89	185.00	0.30
51	LSC451	08287319	RELIANT	81	SEDAN 4DR PS PB	1982	12 B	7,919.00	5,271.08	2,647.92	185.00	0.30
52	LSC478	08505730	RELIANT	82	SEDAN 4DR PS PB	1983	12 B	7,941.00	4,412.22	3,528.78	185.00	0.30
5299	LSC489	08632106	RELIANT	82	SEDAN 4DR PS PB	1983	12 B	7,942.00	4,412.77	3,529.23	185.00	0.30
5308	LSC498	08505716	RELIANT	82	SEDAN 4DR PS PB	1983	12 B	7,943.00	4,413.33	3,529.67	185.00	0.30
5313	LSC503	08632168	RELIANT	82	SEDAN 4DR PS PB	1983	12 B	7,943.00	4,413.33	3,529.67	185.00	0.30
5539	LSC551	07953773	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,959.00	4,422.22	3,536.78	185.00	0.30
5542	LSC554	08388866	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,952.00	4,418.33	3,533.67	185.00	0.30
5551	LSC563	09369578	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,951.00	4,417.77	3,533.23	185.00	0.30
5560	LSC572	08382555	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,916.00	4,398.33	3,517.67	185.00	0.30
5562	LSC574	07953926	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,915.00	4,397.77	3,517.23	185.00	0.30
5567	LSC579	07953938	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,921.00	4,401.11	3,519.89	185.00	0.30
5569	LSC581	08382558	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,916.00	4,398.33	3,517.67	185.00	0.30
5519	LSC592	08382464	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,873.00	4,374.44	3,498.56	185.00	0.30
5990	LSC721	04029928	ARIES	85	SEDAN 4DR PS PB	1986	12 A	8,927.00	2,148.06	6,778.94	230.00	0.18
5992	LSC723	04029930	ARIES	85	SEDAN 4DR PS PB	1986	12 A	8,927.00	2,148.06	6,778.94	230.00	0.18
6317	LSE666	05255128	ARIES	86	SEDAN 4DR PS PB	1987	12 A	10,425.00	1,413.89	9,011.11	230.00	0.18
6318	LSE667	05255133	ARIES	86	SEDAN 4DR PS PB	1987	12 A	10,425.00	1,413.89	9,011.11	230.00	0.18
6319	LSE668	05255137	ARIES	86	SEDAN 4DR PS PB	1987	12 A	10,425.00	1,413.89	9,011.11	230.00	0.18
6320	LSE669	05255158	ARIES	86	SEDAN 4DR PS PB	1987	12 A	10,425.00	1,413.89	9,011.11	230.00	0.18
6517	LSE825	05643787	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,299.00	315.41	9,983.59	230.00	0.18
6518	LSE783	05637902	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,299.00	315.41	9,983.59	230.00	0.18
6525	LSE827	05643795	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,299.00	315.41	9,983.59	230.00	0.18
6531	LSE830	05643598	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,299.00	315.41	9,983.59	230.00	0.18
6556	LSE813	05642157	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,297.00	315.35	9,981.65	230.00	0.18
6557	LSE814	05642161	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,297.00	315.35	9,981.65	230.00	0.18
6662	XME670	05916585	ARIES	88	SEDAN 4DR PS PB	1989	12 A	9,900.21		9,900.21	230.00	0.18
6663	XME671	05916593	ARIES	88	SEDAN 4DR PS PB	1989	12 A	10,823.10		10,823.10	230.00	0.18
6664	XME672	05916587	ARIES	88	SEDAN 4DR PS PB	1989	12 A	10,811.43		10,811.43	230.00	0.18
6665	XME673	05916594	ARIES	88	SEDAN 4DR PS PB	1989	12 A	10,846.42		10,846.42	230.00	0.18

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VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS ----- CLAS CDE	PURCH* COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
NUMBER OF VEHICLES, THIS CLASS: 51												
5032	XME629	0835258	BUICK	83	SEDAN 4DR CNG	15	B	** LEASED VEHICLE **			70.00	0.23
5042	LSE762	05609193	OLDS	87	SEDAN 4DR	15	A	** LEASED VEHICLE **			521.33	0.23
NUMBER OF VEHICLES, THIS CLASS: 2												
5840	LSC687	09573136	CELEBRITY	84	STATION WAGON	1985	18 A	9,647.00	2,651.79	5,995.21	250.00	0.20
5841	LSC688	09573128	CELEBRITY	84	STATION WAGON	1985	18 A	9,988.00	3,780.87	6,207.13	250.00	0.20
5851	LSC698	09573123	CELEBRITY	84	STATION WAGON	1985	18 A	9,647.00	3,651.79	5,995.21	250.00	0.20
5852	LSC699	09573168	CELEBRITY	84	STATION WAGON	1985	18 A	9,745.00	3,688.89	6,056.11	250.00	0.20
5853	LSC700	09670683	CELEBRITY	84	STATION WAGON	1985	18 A	9,647.00	3,651.79	5,995.21	250.00	0.20
6351	LSE732	05289899	RELIANT	86	STATION WAGON	1987	18 A	11,596.00	1,722.49	9,873.51	250.00	0.20
6352	LSE733	05295129	RELIANT	86	STATION WAGON	1987	18 A	11,722.00	1,741.21	9,980.79	250.00	0.20
6353	LSE734	05305062	RELIANT	86	STATION WAGON	1987	18 A	11,596.00	1,722.49	9,873.51	250.00	0.20
6354	LSE735	05321255	RELIANT	86	STATION WAGON	1987	18 A	11,596.00	1,722.49	9,873.51	250.00	0.20
6357	LSE738	05356832	RELIANT	86	STATION WAGON	1987	18 A	11,596.00	1,722.49	9,873.51	250.00	0.20
6561	LSE792	05637929	ARIES	87	STATION WAGON	1988	18 A	11,872.00	398.21	11,473.79	250.00	0.20
NUMBER OF VEHICLES, THIS CLASS: 11												
4833	LSE576	07841411	MALIBU	81	STATION WAGON	1982	19 B	8,336.00	5,989.76	2,346.24	210.00	0.35
4	LSC384	07841487	MALIBU	81	STATION WAGON	1982	19 B	8,326.00	5,982.58	2,343.42	210.00	0.35
	LSC385	07841444	MALIBU	81	STATION WAGON	1982	19 B	8,471.00	6,086.77	2,384.23	210.00	0.35
4	LSC395	07841493	MALIBU	81	STATION WAGON	1982	19 B	9,089.00	6,530.83	2,558.17	210.00	0.35
4986	LSC398	07841443	MALIBU	81	STATION WAGON	1982	19 B	8,542.00	6,137.78	2,404.22	210.00	0.35
5520	LSC532	08621377	MALIBU	82	STATION WAGON	1983	19 B	9,160.00	5,574.24	3,585.76	210.00	0.35
5525	LSC537	08621363	MALIBU	82	STATION WAGON	1983	19 B	9,155.00	5,571.20	3,583.80	210.00	0.35
5533	LSC545	08621388	MALIBU	82	STATION WAGON	1983	19 B	9,157.00	5,572.42	3,584.58	210.00	0.35
5532	LSC605	08621416	MALIBU	82	STATION WAGON	1983	19 B	9,064.00	5,515.82	3,548.18	210.00	0.35
5533	LSC606	08621372	MALIBU	82	STATION WAGON	1983	19 B	9,065.00	5,516.43	3,548.57	210.00	0.35
5535	LSC608	08621374	MALIBU	82	STATION WAGON	1983	19 B	9,064.00	5,515.82	3,548.18	210.00	0.35
5540	LSC613	08621407	MALIBU	82	STATION WAGON	1983	19 B	9,225.00	5,613.80	3,611.20	210.00	0.35
NUMBER OF VEHICLES, THIS CLASS: 12												
6013	0043MB	04821070	DODGE	85	MINI RAM VAN	1986	21 A	12,333.00	3,250.26	9,082.74	300.00	0.20
6016	1747NB	05045459	DODGE	85	MINI RAM VAN	1986	21 A	12,420.00	3,273.19	9,146.81	300.00	0.20
6017	9526NW	05100324	DODGE	85	MINI RAM VAN	1986	21 A	13,517.00	3,562.29	9,954.71	300.00	0.20
6019	0046MB	04821077	DODGE	85	MINI RAM VAN	1986	21 A	12,222.00	3,221.01	9,000.99	300.00	0.20
6021	1749NB	05045471	DODGE	85	MINI RAM VAN	1986	21 A	14,594.00	3,846.13	10,747.87	300.00	0.20
6023	0000MB	04771886	DODGE	85	MINI RAM VAN	1986	21 A	13,166.00	3,469.79	9,696.21	300.00	0.20
6360	9648NW	05287142	DODGE	86	CARAVAN RR SEAT	1987	21 A	13,322.00	1,978.87	11,343.13	300.00	0.20
6361	9649NW	05287150	DODGE	86	CARAVAN RR SEAT	1987	21 A	13,322.00	1,978.87	11,343.13	300.00	0.20
6362	9650NW	05287156	DODGE	86	CARAVAN RR SEAT	1987	21 A	13,322.00	1,978.87	11,343.13	300.00	0.20
6363	9651NW	05287158	DODGE	86	CARAVAN RR SEAT	1987	21 A	13,319.00	1,978.43	11,340.57	300.00	0.20
6364	9652NW	05287167	DODGE	86	CARAVAN RR SEAT	1987	21 A	13,322.00	1,978.87	11,343.13	300.00	0.20
6379	9667NW	05287284	DODGE	86	CARAVAN RR SEAT	1987	21 A	13,458.00	1,999.07	11,458.93	300.00	0.20
6566	9959NW	05637995	DODGE	87	CARAVAN RR SEAT	1988	21 A	14,304.00	479.78	13,824.22	300.00	0.20
6569	9962NW	05638006	DODGE	87	CARAVAN RR SEAT	1988	21 A	14,304.00	479.78	13,824.22	300.00	0.20
6576	9968NW	05638047	DODGE	87	CARAVAN RR SEAT	1988	21 A	14,304.00	479.78	13,824.22	300.00	0.20
6666	9140RP	05922062	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20
6667	9141RP	05922067	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,694.43		15,694.43	300.00	0.20
6668	9142RP	05922069	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20

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***** C O L U M N S *****

						YEAR CLASS					A	B	C
VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	IN	-----		PURCH' COST	ACCDEPN	NET BOOK VALUE	MONTHLY RENT	PER MILE CHARGE
						SERV	CLAS	CDE					
6659	9145RP	05922095	DODGE	88	CARAVAN RR SEAT	1989	21	A	15,706.10		15,706.10	300.00	0.20
6670	9143RP	05922072	DODGE	88	CARAVAN RR SEAT	1989	21	A	15,706.10		15,706.10	300.00	0.20
6671	9146RP	05922097	DODGE	88	CARAVAN RR SEAT	1989	21	A	15,706.10		15,706.10	300.00	0.20
6672	9144RP	05922078	DODGE	88	CARAVAN RR SEAT	1989	21	A	15,717.76		15,717.76	300.00	0.20
6673	9147RP	05922099	DODGE	88	CARAVAN RR SEAT	1989	21	A	15,706.10		15,706.10	300.00	0.20
6674	9148RP	05922101	DODGE	88	CARAVAN RR SEAT	1989	21	A	15,706.10		15,706.10	300.00	0.20
6675	9149RP	05922105	DODGE	88	CARAVAN RR SEAT	1989	21	A	15,694.43		15,694.43	300.00	0.20
6676	5350RY	05922109	DODGE	88	CARAVAN RR SEAT	1989	21	A	15,706.10		15,706.10	300.00	0.20
6677	5351RY	05922112	DODGE	88	CARAVAN RR SEAT	1989	21	A	15,729.45		15,729.45	300.00	0.20
6678	5352RY	05922116	DODGE	88	CARAVAN RR SEAT	1989	21	A	15,706.10		15,706.10	300.00	0.20
6679	5353RY	05922123	DODGE	88	CARAVAN RR SEAT	1989	21	A	15,694.43		15,694.43	300.00	0.20
NUMBER OF VEHICLES, THIS CLASS: 29													
6081	9580NW	05219571	NISSAN	87	PICKUP 1/4 SPR CB CPY	1987	22	A	12,225.00	1,815.92	10,409.08	285.00	0.20
NUMBER OF VEHICLES, THIS CLASS: 1													
4366	5595NW	07791363	CHEV	80	VANDURA 110 WDW	1981	23	B	9,454.00	7,927.57	1,526.43	255.00	0.37
4367	5586NW	07791364	CHEV	80	VANDURA 110 WDW	1981	23	B	9,376.00	7,862.17	1,513.83	255.00	0.37
4952.1	5969NW	08343548	CHEV	81	VANDURA 110 WDW	1982	23	B	10,366.00	7,448.40	2,917.60	255.00	0.37
4952.2					CNG CONV'N	1986	23	A	936.00	246.68	689.33		
532	9560NW	08374803	CHEV	82	VANDURA 110 WDW	1983	23	B	11,457.00	6,972.06	4,484.94	255.00	0.37
5	6105NW	08374835	CHEV	82	VANDURA 110 WDW	1983	23	B	11,572.00	7,042.04	4,529.96	255.00	0.37
5	6185NW	08122400	GMC	82	VANDURA 110 WDW	1983	23	B	10,133.00	6,166.35	3,966.65	255.00	0.37
5650	6310NW	04218252	DODGE	84	TRADESMAN 109 WDW SL DR	1985	23	A	10,529.00	3,985.67	6,543.33	320.00	0.25
5714.1	6350NW	09786189	DODGE	84	TRADESMAN 109 WDW SL DR	1985	23	A	11,354.00	4,297.96	7,056.04	320.00	0.25
5714.2					CNG CONV'N	1986	23	A	2,276.00	599.82	1,676.18		
5715	6351NW	04218200	DODGE	84	TRADESMAN 109 WDW SL DR	1985	23	A	11,346.00	4,294.93	7,051.07	320.00	0.25
5750	LSC629	09120045	GMC	84	HARDTOP RR SEAT	1985	23	A	12,684.00	4,801.42	7,882.58	320.00	0.25
5754	LSC633	09120048	GMC	84	HARDTOP RR SEAT	1985	23	A	12,634.00	4,782.50	7,851.50	320.00	0.25
5755	LSC634	09785954	GMC	84	HARDTOP RR SEAT	1985	23	A	12,507.00	4,734.42	7,772.58	320.00	0.25
5756	LSC635	09785955	GMC	84	HARDTOP RR SEAT	1985	23	A	12,534.00	4,744.64	7,789.36	320.00	0.25
6115	9642NW	05266593	CHEV	86	PICKUP 1/2 CPY	1987	23	A	12,396.00	1,841.32	10,554.68	320.00	0.25
6122	9693NW	05309524	CHEV	86	VANDURA 110 WDW SL DR	1987	23	A	16,383.00	2,433.56	13,949.44	320.00	0.25
6127	9695NW	05309490	CHEV	86	VANDURA 110 WDW SL DR	1987	23	A	16,270.00	2,416.77	13,853.23	320.00	0.25
6128	9696NW	05309493	CHEV	86	VANDURA 110 WDW SL DR	1987	23	A	16,327.00	2,425.24	13,901.76	320.00	0.25
6129	9726NW	05321228	CHEV	86	VANDURA 110 WDW SL DR	1987	23	A	13,710.00	2,036.51	11,673.49	320.00	0.25
6139	9734NW	05321226	CHEV	86	VANDURA 110 WDW SL DR	1987	23	A	16,189.00	2,404.74	13,784.26	320.00	0.25
6141	9736NW	05321229	CHEV	86	VANDURA 110 WDW SL DR	1987	23	A	13,516.00	2,007.69	11,508.31	320.00	0.25
6142	9737NW	05321234	CHEV	86	VANDURA 110 WDW SL DR	1987	23	A	16,183.00	2,403.85	13,779.15	320.00	0.25
6427	9999NW	05668382	CHEV	87	VANDURA 110 WDW SL DR	1988	23	A	16,995.00	570.04	16,424.96	320.00	0.25
NUMBER OF VEHICLES, THIS CLASS: 22													
5116	6006NW	07841002	CHEV	81	PICKUP 3/4	1982	24	B	9,842.00	7,071.89	2,770.11	240.00	0.54
5117	6007NW	07841003	CHEV	81	PICKUP 3/4	1982	24	B	9,648.00	6,932.49	2,715.51	240.00	0.54
5972	6469NW	04744301	GMC	85	PICKUP 3/4	1986	24	A	13,032.00	3,434.48	9,597.53	300.00	0.32
NUMBER OF VEHICLES, THIS CLASS: 3													
3870	5422NW	06641061	GMC	79	VANDURA 125 WDW	1980	25	B	9,075.00	8,698.77	376.23	265.00	0.50
4025	5465NW	06641063	GMC	79	VANDURA 125 WDW	1980	25	B	7,947.00	7,617.53	329.47	265.00	0.50
4254	5556NW	07644164	DODGE	80	TRADESMAN 127 WDW	1981	25	B	10,582.00	8,873.45	1,708.55	265.00	0.50
4368	0042MX	07791365	CHEV	80	VANDURA 125	1981	25	B	10,087.00	8,458.37	1,628.63	265.00	0.50

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***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR	CLASS	PURCH' COST	ACCDEPN	A	B	C
						IN	-----			NET	MONTHLY	PER
						SERV	CLAS CDE			BOOK	RENT	MILE
										VALUE		CHARGE
4375	5595NW	07454477	CHEV	80	VANDURA 125 WDW	1981	25 B	10,686.00	8,960.66	1,725.34	265.00	0.50
4378	5598NW	07791362	CHEV	80	VANDURA 125	1981	25 B	10,155.00	8,515.39	1,639.61	265.00	0.50
4379	5599NW	07791375	CHEV	80	VANDURA 125	1981	25 B	10,034.00	8,413.93	1,620.07	265.00	0.50
4383	5603NW	07454489	CHEV	80	VANDURA 125 WDW	1981	25 B	10,524.00	8,824.81	1,699.19	265.00	0.50
4674	5780NW	08296070	GMC	81	VANDURA 125 WDW	1982	25 B	10,849.00	7,795.46	3,053.54	265.00	0.50
4681	5783NW	08296073	GMC	81	VANDURA 125 WDW	1982	25 B	10,883.00	7,819.89	3,063.11	265.00	0.50
4856	5896NW	07934579	GMC	81	VANDURA 125 WDW	1982	25 B	11,805.00	8,482.38	3,322.62	265.00	0.50
4993	5924NW	08343577	CHEV	81	VANDURA 125 WDW	1982	25 B	11,644.00	8,366.70	3,277.30	265.00	0.50
4995	5986NW	08343559	CHEV	81	VANDURA 125 WDW	1982	25 B	11,389.00	8,163.47	3,225.53	265.00	0.50
5101	5992NW	08343565	CHEV	81	VANDURA 125 WDW	1982	25 B	13,001.00	9,341.76	3,659.24	265.00	0.50
5343	6108NW	08853602	DODGE	82	TRADESMAN 127 WDW	1983	25 B	11,993.00	7,298.24	4,694.76	265.00	0.50
5352	6117NW	08853606	DODGE	82	TRADESMAN 127 WDW	1983	25 B	10,859.00	6,608.15	4,250.85	265.00	0.50
5355	6120NW	08853743	DODGE	82	TRADESMAN 127 WDW	1983	25 B	12,055.00	7,335.97	4,719.03	265.00	0.50
5356	6121NW	08853631	DODGE	82	TRADESMAN 127 WDW	1983	25 B	15,591.00	9,487.77	6,103.23	265.00	0.50
5535	6290NW	08122391	GMC	82	VANDURA 125 WDW	1983	25 B	13,834.00	8,418.57	5,415.43	265.00	0.50
5596	6291NW	07852896	GMC	82	VANDURA 125 WDW	1983	25 B	13,432.00	8,173.93	5,258.07	265.00	0.50
5729	6366NW	09786195	DODGE	84	TRADESMAN 127 WDW SL DR	1985	25 A	16,115.00	6,100.20	10,014.80	300.00	0.55
5922	9945NW	04029949	DODGE	85	TRADESMAN 127 WDW SL DR	1986	25 A	13,170.00	3,470.84	9,699.16	300.00	0.55
6177	9804NW	05356586	CHEV	86	VANDURA 125 WDW SL DR	1987	25 A	21,564.00	3,203.15	18,360.85	300.00	0.55
6422.1	9891NW	05543793	FORD	87	ECONOLINE 138 WDW SL DR LEASE	25	A	** L E A S E D V E H I C L E **			575.76	0.55
6422.2					BINS INSTALLED ON 6422	1988	25 A	6,677.02	991.82	6,677.02	0	
					NUMBER OF VEHICLES, THIS CLASS: 24							
5934	LSC701	04218302	GMC	85	HARDTOP 4X4 E WN RR SEAT	1986	30 A	14,753.00	4,564.21	10,188.79	390.00	0.22
					NUMBER OF VEHICLES, THIS CLASS: 1							
4950	5967NW	07934003	GMC	81	PICKUP 3/4 4X4 WINCH	1982	32 B	13,083.00	10,981.54	2,101.46	360.00	0.40
					NUMBER OF VEHICLES, THIS CLASS: 1							
5489.1	6235NW	07852879	GMC	82	SUBURBAN 3/4 4X4 WINCH	1983	33 B	15,015.00	10,726.34	4,288.66	425.00	0.47
5489.2						1984	33 A	1,675.00	970.45	704.55		
5133	9697NW	05309495	CHEV	86	VANDURA 110 WDW SL DR CNG	1987	33 A	17,178.00	2,551.65	14,626.35	515.00	0.25
					NUMBER OF VEHICLES, THIS CLASS: 2							
2214	5024NW	04272100	FORD	75	FLAT DECK WELDER 1183	1976	41 B	5,096.00	5,502.62	(406.62)	220.00	1.00
2216	5025NW	04272101	FORD	75	FLAT DECK-WELDER 1181	1976	41 B	7,272.00	7,852.25	(580.24)	220.00	1.00
4284.1	5580NW	07450149	GMC	80	FLAT DECK 8FT6 1500LB TG	1981	41 B	11,389.00	7,058.81	4,330.19	220.00	1.00
4284.2						1982	41 B	2,243.00	1,188.32	1,054.68		
4473.1	5664NW	07569408	FORD	80	FLAT DECK WELDER 1162	1981	41 B	9,966.00	6,176.84	3,789.16	220.00	1.00
4473.2						1970	41 B	710.00	1,235.25	(525.25)		
5220	6038NW	08162033	FORD	81	FLAT DECK WELDER 1171	1982	41 B	16,869.00	8,937.06	7,931.94	220.00	1.00
6206.1	9936NW	05626995	CHEV	86	FLAT DECK DUALS WELDER 1297	1987	41 A	18,195.00	1,997.66	16,197.34	400.00	0.50
6206.2						1974	41 B	2,036.00	2,605.66	(569.66)		
815X	6478NW	03217179	DODGE	74	FLAT DECK IT WELDER 1184	1975	41 B	7,503.00	8,851.98	(1,348.98)	220.00	1.00
816X	6479NW	03291220	DODGE	74	FLAT DECK IT WELDER 1180	1975	41 B	6,524.00	7,696.96	(1,172.96)	220.00	1.00
					NUMBER OF VEHICLES, THIS CLASS: 8							
2087	5011NW	03975933	FORD	75	VAN 10FT ROLL DOOR 2000LB TG	1976	42 B	9,690.00	10,463.18	(773.18)	215.00	0.50
					NUMBER OF VEHICLES, THIS CLASS: 1							
3787	5378NW	07092875	GMC	79	CUTAWAY 12FT ALUM AC & 1032	1980	43 B	20,726.00	14,711.14	6,014.86	325.00	0.90

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***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS	PURCH' COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
3804	5395NW	07040407	CHEV	79	WALKIN 12FT ALUM	1980	54 B	17,840.00	12,662.68	5,177.32	500.00	0.90
4531	5706NW	07648635	CHEV	80	WALKIN 14FT ALUM	1981	54 B	26,519.00	16,436.26	10,022.74	500.00	0.90
4532	5707NW	07648654	CHEV	80	WALKIN 14FT ALUM	1981	54 B	23,332.00	14,461.60	8,871.40	500.00	0.90
4535	5710NW	07643175	CHEV	80	WALKIN 14FT ALUM	1981	54 B	24,075.00	14,921.48	9,153.52	500.00	0.90
4950	5882NW	08388695	GMC	81	WALKIN 14FT ALUM	1982	54 B	27,426.00	14,530.07	12,895.93	500.00	0.90
4851	5883NW	08388696	GMC	81	WALKIN 14FT ALUM	1982	54 B	26,968.00	14,287.42	12,680.58	500.00	0.90
4852	5884NW	08388697	GMC	81	WALKIN 14FT ALUM	1982	54 B	27,826.00	14,741.98	13,084.02	500.00	0.90
4853	5885NW	08388698	GMC	81	WALKIN 14FT ALUM	1982	54 B	27,909.00	14,785.96	13,122.04	500.00	0.90
4854	5886NW	08388697	GMC	81	WALKIN 14FT ALUM	1982	54 B	26,350.00	13,960.01	12,389.99	500.00	0.90
4855	5887NW	08388696	GMC	81	WALKIN 14FT ALUM	1982	54 B	26,943.00	14,274.18	12,668.82	500.00	0.90
4856	5888NW	08388695	GMC	81	WALKIN 14FT ALUM	1982	54 B	28,197.00	14,938.54	13,258.46	500.00	0.90
5893	9528NW	05103287	GMC	85	WALKIN 14FT ALUM	1986	54 A	37,371.00	7,279.56	30,091.44	650.00	0.70
5894	9530NW	05103294	GMC	85	WALKIN 14FT ALUM	1986	54 A	37,371.00	7,279.56	30,091.44	650.00	0.70
5895	9529NW	05103289	GMC	85	WALKIN 14FT ALUM	1986	54 A	37,371.00	7,279.56	30,091.44	650.00	0.70
NUMBER OF VEHICLES, THIS CLASS: 14												
5886	9566NW	05166257	GMC	85	WALKIN 14FT ALUM DSL HD	1986	55 A	62,004.00	12,077.86	49,926.14	950.00	0.80
5892	9541NW	05128431	GMC	85	WALKIN 14FT ALUM DSL HD	1986	55 A	53,347.00	10,391.55	42,955.45	950.00	0.80
6418	9113RP	05819071	GMC	87	WALKIN 14FT ALUM DSL	1988	55 A	61,337.00	7,961.03	53,375.97	950.00	0.80
NUMBER OF VEHICLES, THIS CLASS: 3												
2000	5009NW	04548787	GMC	75	WALKIN 12FT PS SULLAIR	1976	57 B	14,730.00	15,905.33	(1,175.33)	280.00	2.25
NUMBER OF VEHICLES, THIS CLASS: 1												
194W	4997NW	04548713	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	17,852.00	19,276.44	(1,424.44)	350.00	2.50
195W	4998NW	04548735	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	17,860.00	19,285.08	(1,425.08)	350.00	2.50
196W	4999NW	04548724	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	17,872.00	19,298.04	(1,426.04)	350.00	2.50
198W	5000NW	04548751	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	17,836.00	19,259.16	(1,423.16)	350.00	2.50
201W	5001NW	04548729	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	15,440.00	16,671.98	(1,231.98)	350.00	2.50
202W	5003NW	04548753	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	15,540.00	16,779.96	(1,239.96)	350.00	2.50
203W	5004NW	04548716	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	15,530.00	16,769.16	(1,239.16)	350.00	2.50
204W.2						1977	58 B	5,049.00	4,946.97	102.03		
204W.1	5005NW	04548788	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	10,680.00	11,532.18	(852.18)	350.00	2.50
210W	5013NW	04548782	GMC	75	WALKIN 12FT PS COMP	1976	58 B	15,263.00	16,480.86	(1,217.86)	350.00	2.50
212W.1	5015NW	04548767	GMC	75	WALKIN 12FT PS SULLAIR	1976	58 B	14,259.00	15,396.75	(1,137.75)	350.00	2.50
212W.2						1977	58 B	6,180.00	6,055.11	124.89		
298W	9123RP	04548734	GMC	75	WALKIN 14FT PS SULLAIR	1976	58 B	20,084.00	21,686.54	(1,602.54)	350.00	2.50
358X.1	5303NW	03286808	CHEV	74	WALKIN 14FT PS SULLAIR	1975	58 B	16,015.00	18,894.36	(2,879.36)	350.00	2.50
378X.1	5372NW	03192197	CHEV	74	WALKIN 12FT PS COMP	1975	58 B	15,973.00	18,844.81	(2,871.81)		
378X.2						1976	58 B	1,949.00	2,104.51	(155.51)		
4842	5874NW	07826970	GMC	80	WALKIN 14FT ALUM SULLAIR 85	1982	58 B	38,864.00	20,589.82	18,274.18	350.00	2.50
NUMBER OF VEHICLES, THIS CLASS: 14												
3329.1	5226NW	05773072	FORD	77	GAS CONST COMPAIR 85	1978	59 B	14,316.00	12,738.26	1,577.74	750.00	1.60
3329.2						1979	59 B	17,173.00	13,734.82	3,438.18		
3330.1	5227NW	05773071	FORD	77	GAS CONST COMPAIR 85	1978	59 B	25,689.00	22,857.86	2,831.14	750.00	1.60
3330.2						1979	59 B	5,424.00	4,338.07	1,085.93		
4365.1	5584NW	07643181	CHEV	80	WALKIN 14FT ALUM SULLAIR 125	1981	59 B	24,645.00	15,274.77	9,370.23	750.00	1.60
4365.2						1982	59 B	11,236.00	5,952.74	5,283.26		
4521.1	5696NW	08382031	CHEV	80	GAS CONST DAVEY 125	1981	59 B	27,860.00	17,267.40	10,592.60	750.00	1.60
4521.2						1982	59 B	10,254.00	5,432.48	4,821.52		

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VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR CLASS		PURCH' COST	ACCDEN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
						IN	CLASS					
						SERV	CLAS CDE					
4522	5697NW	08382141	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	40,634.00	25,184.61	15,449.39	750.00	1.60
4523.1	5698NW	08382142	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	19,593.00	12,143.58	7,449.42	750.00	1.60
4523.2						1982	59 B	21,303.00	11,286.15	10,016.85		
4524.1	5699NW	08382030	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	19,454.00	12,057.43	7,396.57	750.00	1.60
4524.2						1982	59 B	21,197.00	11,229.99	9,967.01		
4525.1	5700NW	07829229	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	18,396.00	11,401.69	6,994.31	750.00	1.60
4525.2						1982	59 B	22,032.00	11,672.37	10,359.63		
4526.1	5701NW	07829230	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	19,269.00	11,942.77	7,326.23	750.00	1.60
4526.2						1982	59 B	21,490.00	11,385.22	10,104.78		
4527.1	5702NW	07829231	CHEV	80	GAS CONST DAVEY 125	1981	59 B	28,650.00	17,757.03	10,892.97	750.00	1.60
4527.2						1982	59 B	10,254.00	5,432.48	4,821.52		
4528.1	5703NW	08382026	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	19,098.00	11,836.78	7,261.22	750.00	1.60
4528.2						1982	59 B	21,490.00	11,385.22	10,104.78		
4536.1	5711NW	07643176	CHEV	80	WALKIN 14FT ALUM SULLAIR 125	1981	59 B	25,684.00	15,918.73	9,765.27	750.00	1.60
4536.2						1982	59 B	13,471.00	7,136.82	6,334.18		
4537.1	5712NW	07643177	CHEV	80	WALKIN 14FT ALUM SULLAIR 125	1981	59 B	23,981.00	14,863.22	9,117.78	750.00	1.60
4537.2						1982	59 B	13,781.00	7,301.06	6,479.94		
4538.1	5713NW	07643178	CHEV	80	WALKIN 14FT ALUM SULLAIR 125	1981	59 B	23,855.00	14,785.13	9,069.87	750.00	1.60
4538.2						1982	59 B	13,781.00	7,301.06	6,479.94		
4838	5870NW	07826963	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	43,599.00	23,098.39	20,500.61	750.00	1.60
4839	5871NW	07829236	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	44,765.00	23,716.12	21,048.88	750.00	1.60
4840	5872NW	07826976	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	45,358.00	24,030.29	21,327.71	750.00	1.60
4841	5873NW	07826975	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	45,368.00	24,035.59	21,332.41	750.00	1.60
4842	5875NW	07829237	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	43,284.00	22,931.50	20,352.50	750.00	1.60
4844	5876NW	07826973	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	44,638.00	23,648.84	20,989.16	750.00	1.60
4845.1	5877NW	08388706	GMC	81	WALKIN 14FT ALUM SULLAIR 125	1983	59 B	27,467.00	12,354.43	15,112.57	750.00	1.60
4845.2						1982	59 B	11,671.00	6,183.20	5,487.80		
4846.1	5878NW	08388815	GMC	81	WALKIN 14FT ALUM SULLAIR 125	1983	59 B	24,925.00	11,211.06	13,712.94	750.00	1.60
4846.2						1982	59 B	13,471.00	7,136.82	6,334.18		
4847	5879NW	08388704	GMC	81	WALKIN 14FT ALUM SULLAIR 125	1983	59 B	38,184.00	17,174.84	21,009.16	750.00	1.60
5233.1	6050NW	08382492	INTL	82	GAS CONST SULLAIR 125	1982	59 B	20,543.00	10,883.51	9,659.49	750.00	1.60
5233.2						1983	59 B	28,180.00	12,675.13	15,504.87		
5234.1	6051NW	08382493	INTL	82	GAS CONST SULLAIR 125	1982	59 B	20,234.00	10,719.80	9,514.20	750.00	1.60
5238.1	6055NW	08388814	INTL	82	GAS CONST SULLAIR 125	1982	59 B	30,251.00	16,026.73	14,224.27	750.00	1.60
5238.2						1983	59 B	15,104.00	6,793.65	8,310.35		
5239.1	6056NW	08382503	INTL	82	GAS CONST SULLAIR 125	1982	59 B	21,971.00	11,640.05	10,330.95	750.00	1.60
5239.2						1983	59 B	27,760.00	12,486.22	15,273.78		
5240.1	6057NW	08382504	INTL	82	GAS CONST SULLAIR 125	1982	59 B	21,891.00	11,597.67	10,293.33	750.00	1.60
5241.1	6058NW	08382510	INTL	82	GAS CONST SULLAIR 125	1982	59 B	21,759.00	11,527.74	10,231.26	750.00	1.60
5241.2						1983	59 B	28,784.00	12,946.80	15,837.20		
5242.1	6059NW	08382509	INTL	82	GAS CONST SULLAIR 125	1982	59 B	22,021.00	11,666.54	10,354.46	750.00	1.60
5242.2						1983	59 B	28,785.00	12,947.25	15,837.75		
5424.1	6172NW	09119927	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1983	59 B	37,260.00	16,759.24	20,500.76	750.00	1.60
5424.2						1984	59 B	12,332.00	4,498.61	7,833.39		
5425	6173NW	09119926	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1984	59 B	48,178.00	17,574.93	30,603.07	750.00	1.60
5426	6174NW	09119925	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1984	59 B	47,346.00	17,271.43	30,074.57	750.00	1.60
5427	6175NW	09119924	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1984	59 B	48,176.00	17,574.20	30,601.80	750.00	1.60
5436	6184NW	09786014	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1983	59 B	42,804.00	19,252.88	23,551.12	750.00	1.60
5884	9564NW	05166244	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986	59 A	58,255.00	11,347.59	46,907.41	985.00	1.60
5885	9565NW	05166254	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986	59 A	58,255.00	11,347.59	46,907.41	985.00	1.60
5887	9567NW	05166259	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986	59 A	58,255.00	11,347.59	46,907.41	985.00	1.60

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VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS CLAS CDE	PURCH' COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
5888	9568NW	05166263	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986	59 A	58,258.00	11,348.17	46,909.83	985.00	1.60
5889	9569NW	05166266	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986	59 A	58,237.00	11,344.08	46,892.92	985.00	1.60
6420	9137RP	05970009	GMC	87	WALKIN 14FT ALUM SULLAIR 125	1988	59 A	66,913.24	7,346.52	59,566.72	985.00	1.60
6421.1	9138RP	05914144	GMC	87	WALKIN 14FT ALUM SULLAIR 125	1988	59 A	64,748.34	7,108.83	57,639.51	985.00	1.60
6421.2						1977	59 B	7,930.00	7,769.75	160.25		
NUMBER OF VEHICLES, THIS CLASS: 42												
4292	LSC205	07571676	FAIRMONT	80	SEDAN 4DR PS PB CNG	1981	72 B	6,056.00	4,757.75	1,298.25	200.00	0.45
4300	LSC213	07571620	FAIRMONT	80	SEDAN 4DR PS PB CNG	1981	72 B	6,057.00	4,758.53	1,298.47	200.00	0.45
4310	LSC222	07797153	MALIBU	80	SEDAN 4DR PS PB CNG	1981	72 B	6,386.00	5,017.00	1,369.00	200.00	0.45
4316	LSC228	07797250	MALIBU	80	SEDAN 4DR PS PB CNG	1981	72 B	6,442.00	5,061.00	1,381.00	200.00	0.45
4789	LSC334	08175467	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,444.00	4,954.91	2,489.09	200.00	0.45
4802	LSC347	08266902	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,424.00	4,941.60	2,482.40	200.00	0.45
4804	LSC349	08266903	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,426.00	4,942.93	2,483.07	200.00	0.45
4809	LSC354	08175465	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,400.00	4,925.63	2,474.38	200.00	0.45
4826	LSC370	08175466	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,399.00	4,924.96	2,474.04	200.00	0.45
5128	LSC410	07943826	FAIRMONT	81	SEDAN 4DR PS PB CNG	1984	72 B	7,642.00	3,443.68	4,198.32	200.00	0.45
5147	LSC428	07943891	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,704.00	5,127.98	2,576.02	200.00	0.45
5150	LSC431	07943893	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,704.00	5,127.98	2,576.02	200.00	0.45
5151	LSC432	07943886	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,709.00	5,131.30	2,577.70	200.00	0.45
5152	LSC433	07944030	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,805.00	5,195.20	2,609.80	200.00	0.45
5153	LSC466	08287321	RELIANT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,888.00	5,250.45	2,637.55	200.00	0.45
5154	LSC471	08287330	RELIANT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,894.00	5,254.44	2,639.56	200.00	0.45
5615.1	LSC588	07953925	ARIES	82	SEDAN 4DR PS PB CNG	1983	72 B	7,879.00	4,377.77	3,501.23	200.00	0.45
5615.2						1986	72 A	1,636.00	393.66	1,242.34		
5616	LSC589	07953929	ARIES	82	SEDAN 4DR PS PB CNG	1983	72 B	7,879.00	4,377.77	3,501.23	200.00	0.45
5617	LSC590	07953924	ARIES	82	SEDAN 4DR PS PB	1983	72 B	7,879.00	4,377.77	3,501.23	200.00	0.45
5627	LSC600	08388657	ARIES	82	SEDAN 4DR PS PB CNG	1983	72 B	7,874.00	4,374.99	3,499.01	200.00	0.45
5802.1	LSC649	09786076	ARIES	84	SEDAN 4DR PS PB CNG	1984	72 A	8,642.00	3,894.30	4,747.70	230.00	0.22
5802.2						1986	72 A	1,636.00	393.66	1,242.34		
5833	LSC680	09786107	ARIES	84	SEDAN 4DR PS PB CNG	1984	72 A	8,642.00	3,894.75	4,748.25	230.00	0.22
NUMBER OF VEHICLES, THIS CLASS: 22												
5340.1	LSC522	08293085	ARIES	82	STATION WAGON PS PB CNG	1983	75 B	9,001.00	5,477.48	3,523.52	250.00	0.25
5340.2						1986	75 A	2,198.00	579.26	1,618.74		
NUMBER OF VEHICLES, THIS CLASS: 1												
6682	5354RY	05922126	DODGE	88	CARAVAN RR SEAT CNG	1989	77 A	15,871.11		15,871.11	270.00	0.30
NUMBER OF VEHICLES, THIS CLASS: 1												
4185	5510NW	06883871	GMC	80	VANDURA 110 WDW CNG	1980	78 B	8,848.00	8,481.18	366.82	230.00	0.55
4953	5970NW	08343549	CHEV	81	VANDURA 110 WDW CNG	1982	78 B	10,330.00	7,422.54	2,907.46	230.00	0.55
5917	0034MB	04805442	FORD	85	ECONOLINE 124 WDW SL DR CNG	1986	78 A	14,753.00	3,888.03	10,864.97	350.00	0.35
6126	9694NW	05309488	CHEV	86	VANDURA 110 WDW SL DR CNG	1987	78 A	17,141.00	2,546.15	14,594.85	350.00	0.35
NUMBER OF VEHICLES, THIS CLASS: 4												
4164	5500NW	06883876	GMC	80	VANDURA 125 WDW FIBRE ROOF CNG	1980	80 B	10,216.00	9,792.46	423.54	310.00	0.75
4374.1	5594NW	07454480	CHEV	80	VANDURA 125 WDW CNG	1981	80 B	10,780.00	9,039.48	1,740.52	310.00	0.75
4374.2						1986	80 A	1,173.00	309.13	863.87		
4376.1	5596NW	07454478	CHEV	80	VANDURA 125 WDW CNG	1981	80 B	8,962.00	7,515.01	1,446.99	310.00	0.75
4376.2						1986	80 A	1,470.00	387.41	1,082.59		

GAS VEHICLES - JULY 15, 1988

***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR	CLASS	PURCH' COST	ACCDEPN	A	B	C
						IN	----- SERV CLAS CDE			NET BOOK VALUE	MONTHLY RENT	PER MILE CHARGE
4377	5597NW	07454481	CHEV	80	VANDURA 125 WDW CNG	1981	80 B	10,883.00	9,125.85	1,757.15	310.00	0.75
4675	5781NW	08296067	GMC	81	VANDURA 125 WDW CNG	1982	80 B	12,208.00	8,771.96	3,436.04	310.00	0.75
4676	5782NW	08296071	GMC	81	VANDURA 125 WDW CNG	1982	80 B	12,625.00	9,071.59	3,553.41	310.00	0.75
4988	5979NW	8343572	CHEV	81	VANDURA 125 WDW CNG	1982	80 B	12,341.00	8,273.18	3,467.82	310.00	0.75
4989	5980NW	08343573	CHEV	81	VANDURA 125 WDW CNG	1982	80 B	12,259.00	8,808.60	3,450.40	310.00	0.75
4990	9885NW	08343574	CHEV	81	VANDURA 125 WDW CNG	1982	80 B	12,310.00	8,845.25	3,464.75	310.00	0.75
4991	5982NW	08343575	CHEV	81	VANDURA 125 WDW CNG	1982	80 B	13,478.00	9,684.50	3,793.50	310.00	0.75
4992.1	5983NW	08343576	CHEV	81	VANDURA 125 WDW CNG	1982	80 B	12,268.00	8,815.07	3,452.93	310.00	0.75
4992.2						1986	80 A	322.00	84.86	237.14		
5342.1	6107NW	08853601	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	12,067.00	7,342.27	4,722.73	310.00	0.75
5342.2						1986	80 A	2,276.00	599.82	1,676.18		
5346.1	6111NW	08853611	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	11,793.00	7,176.53	4,616.47	310.00	0.75
5349	6114NW	08853608	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	13,142.00	8,001.11	5,146.89	310.00	0.75
5350	6115NW	08853603	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	13,123.00	7,991.98	5,141.02	310.00	0.75
5353	6118NW	08853605	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	13,255.00	8,066.22	5,188.78	310.00	0.75
5354	6119NW	08853604	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	13,302.00	8,094.82	5,207.18	310.00	0.75
5445	6192NW	08122364	GMC	82	VANDURA 125 WDW CNG	1983	80 B	13,285.00	8,084.48	5,200.52	310.00	0.75
5446	6193NW	08122362	GMC	82	VANDURA 125 WDW CNG	1983	80 B	13,461.00	8,191.58	5,269.42	310.00	0.75
5590.1	6285NW	08122390	GMC	82	VANDURA 125 WDW CNG	1983	80 B	13,794.00	8,394.22	5,399.78	310.00	0.75
5590.2						1986	80 A	1,183.00	311.77	871.23		
5590.1	6287NW	07852861	GMC	82	VANDURA 125 WDW CNG	1983	80 B	11,979.00	7,289.72	4,689.28	310.00	0.75
5						1986	80 A	2,312.00	609.31	1,702.69		
5	6288NW	07852863	GMC	82	VANDURA 125 WDW CNG	1983	80 B	11,961.00	7,278.77	4,682.23	310.00	0.75
5550.2						1986	80 A	2,312.00	609.31	1,702.69		
5597	6292NW	08122366	GMC	82	VANDURA 125 WDW CNG	1983	80 B	13,460.00	8,190.97	5,269.03	310.00	0.75
5722.1	6359NW	09786192	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,170.00	6,121.02	10,048.98	465.00	0.40
5722.2						1987	80 A	2,485.00	369.13	2,115.87		
5723.1	6360NW	09786193	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,124.00	6,103.61	10,020.39	465.00	0.40
5723.2						1986	80 A	2,276.00	599.82	1,676.18		
5724	6361NW	09786194	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,119.00	6,101.71	10,017.29	465.00	0.40
5725.1	6362NW	09120053	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,000.00	6,056.67	9,943.33	465.00	0.40
5725.2						1986	80 A	2,255.00	594.29	1,660.71		
5728.1	6365NW	04218215	DODGE	84	TRADESMAN 127 WDW MAXI FBR CNG	1985	80 A	14,459.00	5,473.33	8,985.67	465.00	0.40
5728.2						1986	80 A	2,276.00	599.82	1,676.18		
5730	6368NW	09786196	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,084.00	6,088.46	9,995.54	465.00	0.40
5731.1	6369NW	09645880	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,883.00	6,390.92	10,492.08	465.00	0.40
5731.2						1986	80 A	2,276.00	599.82	1,676.18		
5732	6370NW	09786197	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,426.00	6,217.93	10,208.07	465.00	0.40
5921	0049MB	04827677	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986	80 A	18,795.00	4,953.27	13,841.73	465.00	0.40
5923	1725NB	04827695	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986	80 A	18,743.00	4,939.56	13,803.44	465.00	0.40
5924	1726NB	04827690	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986	80 A	16,548.00	4,361.09	12,186.91	465.00	0.40
5927	0029MB	04797418	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986	80 A	17,674.00	4,657.84	13,016.16	465.00	0.40
5928	0030MB	04797422	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986	80 A	18,577.00	4,895.81	13,681.19	465.00	0.40
6148	9789NW	05356558	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,767.00	3,233.31	18,533.69	465.00	0.40
6149	9790NW	05356563	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,762.00	3,232.56	18,529.44	465.00	0.40
6150	9791NW	05356567	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,762.00	3,232.56	18,529.44	465.00	0.40
6154	9792NW	05356572	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,895.00	3,252.32	18,642.68	465.00	0.40
6155	9798NW	05356548	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,213.00	3,151.01	18,061.99	465.00	0.40
6156	9799NW	05356555	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,395.00	3,178.05	18,216.95	465.00	0.40
6159	9793NW	05356578	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,579.00	3,205.38	18,373.62	465.00	0.40
6160	9794NW	05356594	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,584.00	3,206.12	18,377.88	465.00	0.40

***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS	CLAS CDE	PURCH' COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
6162	9800NW	05356561	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,254.00	3,157.10	18,096.90	465.00	0.40
6163	9795NW	05356598	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,556.00	3,201.96	18,354.04	465.00	0.40
6164	9796NW	05356605	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,651.00	3,216.08	18,434.92	465.00	0.40
6165	9797NW	05356629	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	22,268.00	3,307.73	18,960.27	465.00	0.40
6167	9801NW	05356568	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	20,409.00	3,031.59	17,377.41	465.00	0.40
6174	9836NW	05413408	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,057.00	3,127.84	17,929.16	465.00	0.40
6175	9802NW	05356573	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,552.00	3,201.37	18,350.63	465.00	0.40
6176	9803NW	05356906	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,547.00	3,200.63	18,346.37	465.00	0.40
6178	9837NW	05413397	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	18,496.00	2,747.43	15,748.57	465.00	0.40
6179	9838NW	05413407	CHEV	86	VANDURA 125 WDW SL DR CNGRRST	1987	80	A	21,243.00	3,155.47	18,087.53	465.00	0.40
6180	9805NW	05356591	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,548.00	3,200.72	18,347.22	465.00	0.40
6181	9806NW	05356596	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	22,174.00	3,293.76	18,880.24	465.00	0.40
6182	9807NW	05356601	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,456.00	3,187.11	18,268.89	465.00	0.40
6183	9808NW	05356628	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,282.00	3,161.26	18,120.74	465.00	0.40
6184	9809NW	05356634	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,468.00	3,188.89	18,279.11	465.00	0.40
6185	9810NW	05356637	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,472.00	3,189.64	18,282.36	465.00	0.40
NUMBER OF VEHICLES, THIS CLASS: 60													
2881.1	5138NW	05372857	GMC	77	FL DK 17FT SKB9TM52 CNG	1978	85	B	24,930.00	22,182.51	2,747.49	1,690.50	
2881.2						1986	85	A	9.72	1.89	7.83		
2881.3	6061NW	08388722	INTL	82	FL DK ATLAS 3006 CNG	1982	85	B	24,087.00	12,761.09	11,325.91	1,337.07	
						1980	85	B	9,609.00	6,820.39	2,788.61		
						1971	85	B	1,698.00	2,750.41	(1,052.41)		
NUMBER OF VEHICLES, THIS CLASS: 2													
1162			LINCOLN	80	WELDER ON 4473	1981	91	B	4,981.00	2,022.49	2,958.51	200.00	
1180			LINCOLN	77	WELDER ON 816X	1978	91	B	3,291.00	2,224.85	1,066.15	200.00	
1181			LINCOLN	75	WELDER ON 2216	1976	91	B	3,005.00	2,572.41	432.59	200.00	
1183			LINCOLN	77	WELDER ON 2214	1978	91	B	3,290.00	2,224.18	1,065.82	200.00	
1184			LINCOLN	77	WELDER ON 815X	1978	91	B	3,290.00	2,224.18	1,065.82	200.00	
1190			LINCOLN	77	WELDER ON 145W	1978	91	B	3,290.00	2,224.18	1,065.82	200.00	
1249			TAYLORDUNN	71	BURDEN CARRIER ELECTRIC	1972	91	B	2,840.00	3,452.56	(613.56)	200.00	
1297			LINCOLN	74	WELDER ON 6206	1975	91	B	2,450.00	2,317.80	132.20	200.00	
NUMBER OF VEHICLES, THIS CLASS: 8													
1032			SULLAIR	81	COMPRESSOR 85CFM IN 3787	1982	92	B	6,993.00	2,419.87	4,573.13	200.00	
1064			TAYLOR DUN	75	BURDEN CARRIER ELECTRIC	1975	92	B	3,676.00	3,477.65	198.35	200.00	
1171			LINCOLN	81	WELDER ON 5220	1982	92	B	5,143.00	1,779.69	3,363.31	200.00	
1300			CUSHMAN	77	BURDEN CARRIER ELECTRIC	1978	92	B	4,515.00	3,052.33	1,462.67	200.00	
1301			CUSHMAN	77	BURDEN CARRIER ELECTRIC	1978	92	B	4,557.00	3,080.72	1,476.28	200.00	
1305			CUSHMAN	78	BURDEN CARRIER ELECTRIC	1979	92	B	6,211.00	3,639.90	2,571.10	200.00	
NUMBER OF VEHICLES, THIS CLASS: 6													
1082			TOYOTA	72	FORKLIFT 2000LB PROPANE	1972	93	B	6,981.00	8,489.19	(1,508.19)	300.00	
1278	X56237	02576326	MASS FERG	73	WHEEL LOADER	1975	93	B	10,107.00	9,561.64	545.36	300.00	
1321	28672Y	06440590	WAYNE	78	CHIPPER 16IN T	1979	93	B	13,558.00	7,945.55	5,612.45	300.00	
NUMBER OF VEHICLES, THIS CLASS: 3													
1009			TOYOTA	77	FORKLIFT 2000 LB PROPANE	1978	94	B	12,590.00	8,511.36	4,078.64	300.00	
NUMBER OF VEHICLES, THIS CLASS: 1													

GAS VEHICLES - JULY 15, 1988

***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS CLAS	CDE	PURCH COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
1111	X05185	00735763	BULLMOOSE	57	CRANEMOBILE	1957	95	B	12,962.00	34,038.75	(21,076.75)	450.00	
					NUMBER OF VEHICLES, THIS CLASS:	1							
1004	X05174	06114425	YALE	78	FORKLIFT 6000LB	1978	96	B	26,765.00	18,094.26	8,670.74	600.00	
1306			CLARK	78	FORKLIFT 8000LB CNG	1979	96	B	24,550.00	14,387.32	10,162.68	600.00	
					NUMBER OF VEHICLES, THIS CLASS:	2							
					***	380			6849596.58	3168444.44	3682143.94		

DATED: the 29th day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

AMENDED AND RESTATED
VEHICLE LEASE

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-H/MG/3-2

File No. 1166/9

**AMENDED AND RESTATED
VEHICLE SERVICES AGREEMENT**

THIS AGREEMENT made as of the 29th day of September, 1988 is an amendment and re-statement of an agreement made as of July 15, 1988 between the parties noted below.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, c. 188

("Hydro")

OF THE FIRST PART

AND:

B.C. GAS INC., a body corporate under the laws of the Province of British Columbia, having its registered office at 2800 - 595 Burrard Street, Vancouver, in the Province of British Columbia

(the "Company")

OF THE SECOND PART

W H E R E A S:

A. By separate agreement made as of the 15th day of July, 1988 (the "Asset Transfer Agreement"), Hydro agreed to sell to the Company and the Company agreed to Purchase from Hydro certain assets upon the terms more specifically set out therein;

B. For the purposes of this Agreement, all capitalized words herein shall have the same meaning given to those words in the Asset Transfer Agreement, unless otherwise defined herein;

C. By vehicle lease agreement (the "Vehicle Lease Agreement") made as of July 15, 1988, the form of which is attached hereto as Schedule "A", Hydro agreed to lease to the Company and the Company agreed to lease from Hydro certain vehicles described in Schedule "A" of the Vehicle Lease Agreement, in the manner and subject to the terms and conditions therein set forth; and

D. The parties hereto desire to enter into an agreement to govern the supply of services and maintenance with respect to the vehicles leased by Hydro to the Company.

NOW THEREFORE THIS AGREEMENT WITNESSES THAT in consideration of the premises and of the mutual covenants and agreements herein contained the parties hereto agree as follows:

1.0 DEFINITIONS

- (a) **"Variable Expenses"** means those variable operating expenses incurred by Hydro in performing the Services and charged by Hydro to the Company in accordance with paragraph 4.0 herein, including the following:
 - (i) supervision and labour;
 - (ii) fuel, parts and lubricants required for the operation of the Vehicles;
 - (iii) tires and tire services;
 - (iv) providing and administering a preventative maintenance program for the regulated Vehicles, as required by the Department of Transportation and Highways, and for unregulated Vehicles as established by Hydro; and

(v) department overheads.

(b) **"Fixed Expenses"** means those fixed operating expenses incurred by Hydro in performing the Services and charged by Hydro to the Company in the monthly rental payments provided for in paragraph 4.0 of the Vehicle Lease Agreement, including the following:

- (i) supervision and labour;
- (ii) administration and operation of the fleet credit card system;
- (iii) administration of the tire contracts;
- (iv) licences and minimum third party ICBC insurance coverage to \$200,000 on the Vehicles;
- (v) engineering and contract administration of new Vehicle acquisitions;
- (vi) costs associated with selling surplus Vehicles;
- (vii) computer and computer related costs;
- (viii) the recovery with interest of the costs of conversion of any Vehicle to NGV;
- (ix) interest carrying costs on the Vehicles;
- (x) depreciation on the Vehicles;

(xi) department overheads;

(xii) corporate overheads.

2.0 SERVICES

2.01 Subject to the terms and conditions hereof, Hydro shall perform certain services (the "Services") with respect to the vehicles described in Appendix "A" of the Vehicle Lease Agreement and any replaced or substituted vehicles (collectively the "Vehicles"), including:

- (a) providing all supervision and labour;
- (b) providing all fuels, parts, and lubricants required for the operation of the Vehicles;
- (c) operating and administering a fleet credit card system;
- (d) providing bulk fuel facilities personnel;
- (e) providing tires, tire services, and administering tire contract(s);
- (f) providing and administering a preventive maintenance programme for the regulated Vehicles, as required by the Department of Transportation and Highways, and for the unregulated Vehicles as established by Hydro;
- (g) arranging licences and minimum third party ICBC insurance coverage to \$200,000.00 and basic vehicle insurance with respect only to the Vehicles and not with respect to any tools or other items which may be carried in or on the Vehicles;

- (h) providing engineering and contract administration of new Vehicle acquisitions;
- (i) selling any Vehicles to be replaced in accordance with the Vehicle Lease Agreement;
- (j) providing data collection, processing and report generation for fleet management, cost collection and distribution purposes, with respect to all Vehicle-related expenditures; and
- (k) arranging for the conversion of any Vehicle to NGV.

2.02 The Company shall be responsible for insurance coverage in excess of that provided under paragraph 2.01(g) herein.

2.03 Hydro shall use all reasonable efforts to provide the Services in a complete and timely manner during the term of this Agreement. The Services shall be provided by Hydro to the Company on an equal priority basis as the services provided by Hydro with respect to its other vehicles and in accordance with the standards Hydro applies in providing similar services to its own vehicles.

2.04 Hydro will prepare and maintain records related to the Services, which records will be open to audit examination by the Company during regular business hours of Hydro during the currency of this Agreement and for a period of one (1) year after the termination of this Agreement.

2.05 Hydro covenants and agrees to maintain the spare parts inventory for the Vehicles as would be required by a prudent owner thereof.

3.0 ADDITIONAL SERVICES

Hydro may provide additional services not related to the maintenance of the Vehicles as may be requested from time to time by the Company, including non-maintenance related emergency road service and towing. Additional services shall be billed by Hydro to the Company separately and on an actual cost recovery basis.

4.0 PAYMENT

4.01 As consideration for the Services that are chargeable as Variable Expenses, the Company will make monthly payments to Hydro within twenty (20) days following the receipt by the Company of each monthly invoice, based on the schedule of Variable Expense charge rates described in Column C of Appendix "A" of the Lease Agreement which charge rates will be revised bi-annually upon agreement between the Company and Hydro on the basis of actual cost recovery and the equitable distribution of any allocated costs.

4.02 After Hydro's year-end, Hydro will determine the difference between the actual Variable Expenses incurred by Hydro in performing the Services and the amount paid to Hydro by the Company pursuant to paragraph 4.01 herein (the "Adjustment"), and will notify the Company of the Adjustment forthwith. Adjustments owed to the Company or Hydro, as the case may be, will be paid by the other party immediately following such notification.

4.03 The Company will pay interest to Hydro on any and all overdue amounts at the rate of interest of 1.5% per month

(equivalent to 19.6% per annum when compounded monthly) payable to Hydro on the last day of each month.

5.0 OBLIGATIONS OF THE COMPANY

The Company shall:

- (a) assist Hydro by providing all available and necessary information that Hydro will require to provide the Services;
- (b) give Hydro prompt and sufficient notice of changes in priorities or programmes likely to affect materially the Services;
- (c) examine all requests, reports or other documents presented by Hydro and promptly provide in writing decisions or general instructions pertaining thereto so as not to delay the Services;
- (d) irrevocably grant to Hydro, its employees and agents, access at all reasonable times to real and personal property of the Company for all necessary purposes relating to the Services; and
- (e) use its best efforts to facilitate the providing of the Services by Hydro.

6.0 TERMINATION

6.01 This Agreement shall commence on July 16, 1988 and shall terminate and be of no further force or effect on six months notice by the Company and, in any event, shall terminate on September 30, 1991; provided that termination shall be subject to the rights and remedies of both parties accruing to the date of termination and that clauses 11.0 and 13.02 shall survive termination.

6.02 On termination of this Agreement, the Company will provide employment to those employees who have provided the Services, and who are selected and designated by Hydro in consultation with the Company, using reasonable efforts to accommodate the Company's requests. The number of employees to be designated shall not exceed 22 persons. The job function and salary offered to the employees shall be substantially the same as the job function and salary provided by Hydro immediately prior to the termination of this Agreement. Unless there are contractual obligations impending such action, the Company shall allow any employee who accepts employment with the Company to take any vacation accrued while an employee of Hydro or, at the employee's option, shall pay the employee for such accrued vacation.

6.03 On termination of this Agreement, Hydro will prepare and provide to the Company a list of all written or oral plans or contracts providing benefits to those employees designated by Hydro under paragraph 6.02 herein, including bonus, pension, profit sharing, retirement, incentive compensation, deferred compensation, health, hospitalization, medical, disability, death benefit and insurance plans. On termination of the Agreement, Hydro shall have fulfilled all of its obligations under all such employee benefit plans and programs and all such plans and programs shall be fully funded and in compliance with all

applicable laws, rules and regulations. No pension or employee benefit plans or severance obligations shall be transferred to the Company or constitute a lien, charge or encumbrance, direct or indirect, against the assets or business of the Company.

7.0 PURCHASE AND SALE OF VEHICLES

7.01 On termination of this Agreement, the Company shall purchase from Hydro and Hydro shall sell to the Company the Vehicles owned by Hydro, in the following manner:

- (a) the Company shall pay to Hydro the net book value of the Vehicles, as determined in accordance with Column A of Appendix "A" of the Vehicle Lease Agreement, as amended from time to time to reflect depreciation, replacement and disposal of Vehicles;
- (b) the Company shall purchase from Hydro at net book value all spare parts specifically held in Hydro's inventory for the Vehicles; and
- (c) the Company shall pay to Hydro any unpaid balance with respect to any monthly payments or interest due thereon, pursuant to clauses 4.01 and 4.02 herein.

7.02 On termination of this Agreement, Hydro shall assign to the Company and the Company shall assume the leases relating to the Vehicles leased by Hydro. On assignment of the leases, Hydro shall have fulfilled all of its obligations under all such assigned leases.

8.0 THIRD PARTY

In the event that Hydro is unable to provide adequate and acceptable service levels, upon 30 days written notice to

Hydro, the Company may augment service from whatever alternative sources it chooses.

9.0 ASSIGNMENT AND SUB-CONTRACTS

Hydro may assign this Agreement, other than the provisions of Clause 11.0, or sub-contract all or any part of the Services to any person or corporation, provided always that the Company consents, such consent not to be unreasonably withheld.

10.0 INDEPENDENCE OF HYDRO

10.01 All employees and agents, including sub-contractors, of Hydro providing the Services to the Company will remain the employees or agents of Hydro and not of the Company. Hydro, solely, will control manning and staffing, pay, discipline, insurance, compensation and all other matters in connection with the employer-employee, or agency, relationship.

10.02 Hydro, its employees and agents, will provide the Services with the care, skill and diligence equal to the standard that Hydro establishes for its own purposes, and in compliance with all mandatory governmental and other required health and safety standards.

10.03 The Company may give Hydro, and Hydro will make a reasonable effort to carry out, those general instructions as the Company deems necessary from time to time provided that Hydro, its employees or agents, will not be subject to the control of the Company in respect of the manner in which such general instructions are carried out.

11.0 LIABILITY AND INDEMNITY

11.01 Hydro, its employees or agents, will not be liable for any injury including death to the person of any employee or agent of the Company or for the loss of or damage to the property of the Company, or any of the employees or agents of the Company, that is caused in any way by Hydro's performance of the Services under this Agreement unless the injury, loss, or damage is caused by a grossly negligent act or omission of an employee or agent of Hydro while acting within the scope of his employment with Hydro.

11.02 Hydro, its employees or agents, will not be liable to the Company for any loss of revenue or profits or other indirect, consequential or financial loss that is caused in any way by Hydro's performance of the Services under this Agreement, whether such loss is caused by an act or omission of Hydro, its employees or agents, later found to be negligent or otherwise.

11.03 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the Company will at all times indemnify and save harmless Hydro, its employees and agents from and against all claims, demands, losses, costs, damages, actions, suits or other proceedings made, sustained, brought or prosecuted that are based upon, or caused in any way by act or omission by any of the employees or agents of Hydro in connection with the Services performed, purportedly performed or required to be performed by Hydro under this Agreement unless such act or omission was grossly negligent.

12.0 SUSPENSION

 If as a result of any emergency or force beyond the reasonable control of either party herein or strike, lockout or other such disturbance of either party (the "Force Majeure"), either party is or was wholly or partly unable because of the

Force Majeure, to perform an obligation arising from this Agreement and claims that a Force Majeure is occurring or has occurred and reasonably establishes that fact, then the performance of the obligation shall be deemed to be suspended provided always that:

- (a) the suspension shall be of no greater scope and no longer duration than the Force Majeure,
- (b) the non-performing party shall make its best efforts to counter the Force Majeure or to otherwise remedy its inability to perform the obligation,
- (c) a performance required at a time other than when the Force Majeure is occurring shall not be excused by the Force Majeure, and
- (d) an obligation to make a payment when due shall not be excused by the Force Majeure.

13.0 DISPUTE LIMITATION

13.01 A party shall not commence any legal proceedings against the other party in respect of the interpretation or enforcement of this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party, following which either party shall have the right to submit any dispute with the other party arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment thereof, and the decision of the arbitration panel shall be final and binding.

13.02 Subject to paragraph 13.03 and notwithstanding any statutory limitation to the contrary, a party shall not commence any action, arbitration or other proceeding between the parties after the expiry of a period of two (2) years after termination of this Agreement.

13.03 Paragraph 13.02 shall not apply in respect of any action or other proceeding commenced by any third party, other than a company affiliated with or related to the Company, against the Company for which, but for the provisions of paragraph 13.02, the Company would have recourse against Hydro.

14.0 AMENDMENTS

At any time during this Agreement the parties may execute and deliver any instruments or agreements modifying or supplementing this Agreement which thereafter shall form part hereof.

15.0 GENERAL

15.01 All terms, covenants and conditions contained in the Vehicle Lease Agreement are incorporated and deemed to be a part of this Agreement, whether or not specifically set forth herein. If any provision of the Vehicle Lease Agreement contradicts any provision of this Agreement, the provisions of this Agreement shall prevail.

15.02 This Agreement together with the Vehicle Lease Agreement constitutes the entire agreement between the parties regarding this subject matter and there are no understandings or agreements collateral hereto, oral or otherwise, and no representations or warranties, express or implied relative to the subject matter hereof.

15.03 Any notice, report or other document that either party may be required or may desire to give to the other party shall be in writing, unless otherwise specified herein, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex, or facsimile copier, when received:

(a) if to the Company:

B.C. Gas Inc.
#2300, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: Secretary

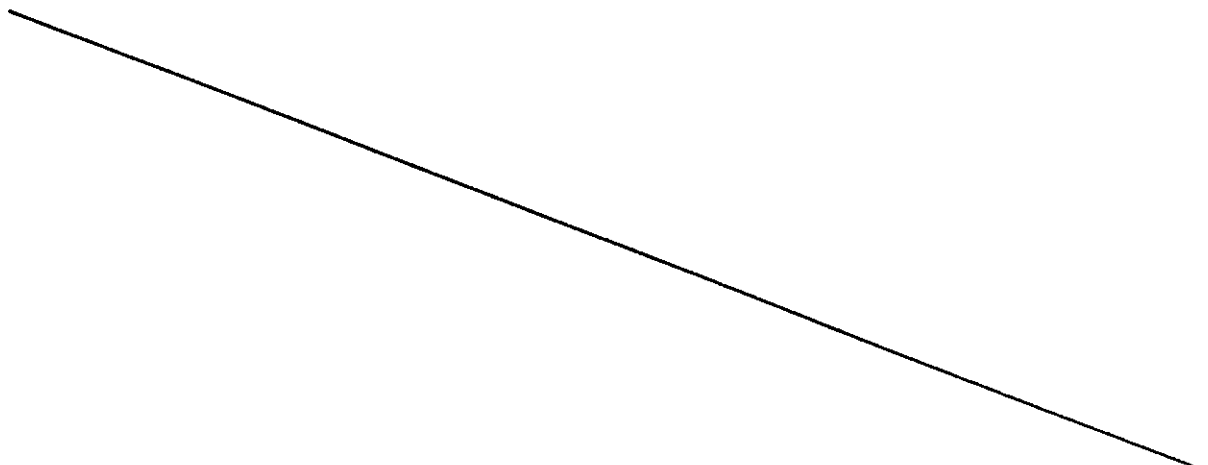
(b) if to B.C. Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

or at such other address as either party may from time to time designate by notice in writing to the other.

15.04 The parties will do such reasonable acts and things and execute and deliver such further and other documents and assurances as may be reasonably required for the purposes of carrying out the true meaning and intent of this Agreement.




15.05 This Agreement shall be governed by and construed in accordance with the laws of the Province of British Columbia and the laws of Canada where applicable.

15.06 The headings or captions appearing in this Agreement are inserted for ease of reference only and shall have no effect on the construction or interpretation of this Agreement.

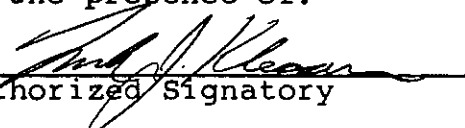
15.07 This Agreement will enure to the benefit of and be binding upon the parties hereto and their heirs, executors, administrators, successors and assigns of the parties.

15.08 Upon execution by the parties, this Agreement replaces and supercedes the prior Agreement made as of the 15th day of July, 1988 between the parties.

IN WITNESS WHEREOF the parties have executed this Agreement as of the day and year first above written.

THE COMMON SEAL OF
BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY
was hereunto affixed in the
presence of:

Authorized Signatory

C/S

THE COMMON SEAL OF B.C. GAS
INC. was hereunto affixed
in the presence of:

Authorized Signatory

C/S

SCHEDULE "A"

AMENDED AND RESTATED
VEHICLE LEASE

THIS LEASE AGREEMENT made as of the 29th day of September, 1988 is an amendment and re-statement of a lease agreement made as of July 15, 1988 between the parties noted below.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, c. 188

(the "Lessor")

OF THE FIRST PART

AND:

B.C. GAS INC., a body corporate under the laws of the Province of British Columbia, having its registered office at 2800, 595 Burrard Street, Vancouver, British Columbia

(the "Lessee")

OF THE SECOND PART

WITNESSETH:

The Lessor hereby agrees to lease to the Lessee and the Lessee hereby agrees to lease from the Lessor the motor vehicles described in Appendix "A" attached hereto (the "Vehicles").

The Lessor and the Lessee further agree on the following conditions:

1.0 REGISTRATION

The Vehicles owned by the Lessor shall be registered in the name of the Lessor at all times while this Agreement is in force; provided that in the event such Vehicles must be registered in the name of the Lessee in order to comply with any Federal, Provincial or Municipal statutes, laws, ordinances, rules or regulations, the Lessor will register the Vehicles in the name of the Lessee. Notwithstanding any of the above terms of registration it is understood and agreed between the parties hereto that the Lessee shall determine the registration requirements with regard to its operation of the Vehicles and the Lessee shall be solely liable and responsible for the infraction of or non-compliance with any Federal, Provincial or Municipal statute, law, ordinance, rule or regulation whatsoever relating to the operation or use of a motor vehicle.

2.0 TERM

The Lease term shall commence on the date the Vehicles are delivered to the Lessee and shall terminate in accordance with the terms of the Vehicle Services Agreement.

3.0 RENTAL PAYMENTS

3.01 The Lessee shall pay the monthly rental payment for each Vehicle within twenty (20) days following the receipt by the Lessee of each monthly invoice. The monthly rental payment invoiced amount shall be based upon the amounts specified in Column B of Appendix "A" attached hereto, subject to any adjustment due to increased or decreased cost of the Fixed Expenses.

3.02 After the Lessor's year-end, the Lessor will determine the difference between the actual Fixed Expenses incurred by the

Lessor with respect to the Vehicles and the amount paid to the Lessor by the Lessee pursuant to paragraph 3.01 herein (the "Adjustment") and will notify the Lessee of the Adjustment forthwith.. Adjustments owed to the Lessor or the Lessee, as the case may be, will be paid by the other party immediately following such notification.

3.03 The Lessee will pay interest to the Lessor on any and all overdue amounts at the rate of interest of 1.5% per month (equivalent to 19.6% per annum when compounded monthly) payable to the Lessor on the last day of each month.

4.0 REGISTRATION, LICENSING, AND TAXES

The cost of all registration and licensing of the Vehicles in the Lessor's name shall be paid by the Lessee. Other than as specified in the Vehicle Services Agreement, the Lessee shall pay any other inspection fees, fines, penalties, taxes, assessments, fees and charges imposed upon the Vehicles arising out of or in any way connected with the leasing, use, or operation of the Vehicles.

5.0 WARRANTY

The only warranty on the Vehicles is the warranty provided by the manufacturer.

6.0 USE AND OPERATION

The Lessee shall permit only safe, careful, licensed, and authorized drivers to operate the Vehicles. The Vehicles shall be used only for lawful purposes and only in Canada and the United States. Responsibility for the observance of and compliance with all laws governing the Vehicles and their use remain

solely with the Lessee. The Lessee shall not sublet the Vehicles or load, use, operate, or store the Vehicles negligently or improperly, or so as to void any insurance claim or policy, or use the same in a race or speed contest, or permit the Vehicles to become subject to any lien, charge, or encumbrance.

7.0 INSURANCE

7.01 The Lessee shall not use, or permit the use of, the Vehicles during any period when the Vehicles are not insured pursuant to paragraph 2.01(g) of the Vehicle Services Agreement.

7.02 The Lessee, its agents, and employees will co-operate fully with the Lessor and any insurance carriers in the investigation and defense of any claims or suits arising from the operation of the Vehicles, including furnishing the Lessor or the insurance carriers with such reports and information as the Lessor or insurance carriers may require or request. The Lessee will deliver forthwith to the Lessor any papers or documents whatsoever served upon or delivered to the Lessee, its agents, or employees in connection with any suit, action, or legal proceeding threatened against the Lessee or the Lessor arising out of the Lessee's custody or operation of the Vehicles.

7.03 The Lessee shall notify the Lessor of any accident or the loss of or damage to the Vehicles by the end of the following business day. In the event that any claim be made or action commenced involving use of the Vehicles, the Lessee shall immediately furnish the Lessor with the particulars thereof in writing.

8.0 MAINTENANCE AND REPAIRS

The responsibility for payment of maintenance and repair costs is set out in the Vehicle Services Agreement.

9.0 INSPECTION OF THE VEHICLE

The Lessor, its agents, or employees may enter upon the Lessee's property or any other place where the Vehicles may be found, at all reasonable times and upon reasonable notice, for the purpose of inspecting the Vehicles.

10.0 INDEMNITY

10.01 The Lessor shall not be responsible to the Lessee, or to its agents, servants, or employees, for any loss of business or other damage caused by the time lost in the repairing or replacing of any Vehicles. It is expressly understood that the Lessor assumes no liability or responsibility for any acts or omissions of the Lessee or of the Lessee's agents or employees, or for any loss or theft of property from the Vehicles or for damages caused to the property of any third party by the Vehicles, provided however the Lessor shall be liable for any act of any of its employees, agents, or servants, while servicing the Vehicles which results in damage to property.

10.02 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the Lessee shall indemnify, defend, and hold the Lessor, its agents, officers, and employees harmless of and from any and all losses, damages, claims, demands or liability of any kind or nature whatsoever, including legal expense, arising from the use, condition (including, without limitation, latent and other defects, whether or not discoverable by the Lessor), or operation

of the Vehicles, by whomsoever used or operated, during the term hereof; provided that the Lessee shall not be liable for nor indemnify the Lessor for any act by any employee, agent or servant of the Lessor while servicing the Vehicles which results in damages caused to property.

11.0 REPLACEMENT

Subject to the prior written approval of the Lessee, the Lessor shall have the right to replace the Vehicles with comparable Vehicles and thereafter the replacement Vehicles shall be subject to all the terms and conditions hereof and an adjustment in monthly rental payment as advised by the Lessor. The Lessor shall retain the proceeds of any sale and pay the purchase price for any replaced Vehicles. Any gain or loss realized on the sale of a Vehicle shall be for the account of the Lessee. Such gain will be paid promptly by the Lessor to the Lessee and such loss reimbursed promptly to the Lessor by the Lessee.

12.0 DISPUTE LIMITATION

12.01 A party shall not commence any legal proceedings against the other party in respect of the interpretation or enforcement of this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party, following which either party shall have the right to submit any dispute with the other party arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment thereof, and the decision of the arbitration panel shall be final and binding.

12.02 Notwithstanding any statutory limitation to the contrary, a party shall not commence any action, arbitration or other proceeding between the parties after the expiry of a period of two (2) years after termination of this Agreement.

13.0 AMENDMENTS

At any time during this Agreement the parties may execute and deliver any instruments or agreements modifying or supplementing this Lease Agreement which thereafter shall form part hereof.

14.0 GENERAL

14.01 All terms, covenants and conditions contained in the Vehicle Services Agreement are incorporated and deemed to be a part of this Lease Agreement, whether or not specifically set forth herein. If any provision of this Lease Agreement contradicts any provision of the Vehicle Services Agreement, the provisions of the Vehicle Services Agreement shall prevail.

14.02 This Lease Agreement together with the Vehicle Services Agreement constitutes the entire agreement between the parties regarding this subject matter and there are no understandings or agreements collateral hereto, oral or otherwise, and no representations or warranties, express or implied relative to the subject matter hereof.

14.03 Any notice, report or other document that either party may be required or may desire to give to the other party shall be in writing, unless otherwise specified herein, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex, or facsimile copier, when received:

(a) if to the Company:

B.C. Gas Inc.
#2300, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: Secretary

(b) if to B.C. Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

or at such other address as either party may from time to time designate by notice in writing to the other.

14.04 The parties will do such reasonable acts and things and execute and deliver such further and other documents and assurances as may be reasonably required for the purposes of carrying out the true meaning and intent of this Agreement.

14.05 This Lease Agreement shall be governed by and construed in accordance with the laws of the Province of British Columbia and the laws of Canada where applicable.

14.06 The headings or captions appearing in this Lease Agreement are inserted for ease of reference only and shall have no effect on the construction or interpretation of this Lease Agreement.

14.07 This Lease Agreement will enure to the benefit of and be binding upon the parties hereto and their heirs, executors, administrators, successors and assigns of the parties.

14.08 Upon execution by the parties, this Agreement replaces and supercedes the prior Agreement made as of the 15th day of July, 1988 between the parties.

IN WITNESS WHEREOF the parties have executed this Lease Agreement as of the day and year first above written.

THE COMMON SEAL OF)
BRITISH COLUMBIA HYDRO)
AND POWER AUTHORITY)
was hereunto affixed in)
the presence of:)
)
)
)

Authorized Signatory)

C/S

THE COMMON SEAL OF B.C. GAS)
INC. was hereunto affixed)
in the presence of:)
)
)

Authorized Signatory)

C/S

APPENDIX "A"

Page 1

GAS VEHICLES - JULY 15, 1986

***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR	CLASS	PURCH' COST	ACCDEN	A	B	C
						IN	-----			NET	MONTHLY	PER
						SERV	CLAS CDE			BOOK	RENT	MILE
										VALUE		CHARGE
3931	LSC104	07177612	ASPEN	79	SEDAN 4DR PS PB	1980	12 B	5,018.00	4,544.43	473.57	185.00	0.30
3932	LSC105	07177798	ASPEN	79	SEDAN 4DR PS PB	1980	12 B	5,018.00	4,544.43	473.57	185.00	0.30
4304	LSC217	07577457	FAIRMONT	80	SEDAN 4DR PS PB	1981	12 B	6,045.00	4,749.10	1,295.90	185.00	0.30
4305	LSC218	07571453	FAIRMONT	80	SEDAN 4DR PS PB	1981	12 B	6,050.00	4,753.03	1,296.97	185.00	0.30
4327	LSC238	07797150	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	6,500.00	5,106.56	1,393.44	185.00	0.30
4348	NJJ040	07797154	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	6,781.00	5,327.32	1,453.68	185.00	0.30
4542	LSC269	07780669	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	7,079.00	5,561.44	1,517.56	185.00	0.30
4547	LSC273	07454438	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	7,465.00	5,864.69	1,600.31	185.00	0.30
4555	LSC281	07780668	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	7,072.00	5,555.94	1,516.06	185.00	0.30
4570	LSC293	07791389	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	7,049.00	5,537.87	1,511.13	185.00	0.30
4579	LSC302	07454290	MALIBU	80	SEDAN 4DR PS PB	1981	12 B	7,053.00	5,541.01	1,511.99	185.00	0.30
4790	LSC335	08413675	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,443.00	4,954.25	2,488.75	185.00	0.30
4797	LSC342	08266893	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,511.00	4,999.51	2,511.49	185.00	0.30
4819	LSC363	08266847	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,442.00	4,953.58	2,488.42	185.00	0.30
4820	LSC354	08266890	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,463.00	4,967.56	2,495.44	185.00	0.30
4824	LSC368	08266888	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,560.00	5,032.13	2,527.88	185.00	0.30
4825	LSC369	08266905	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,580.00	5,045.44	2,534.56	185.00	0.30
5129	LSC411	08158354	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,672.00	5,106.68	2,565.33	185.00	0.30
5130	LSC412	08158355	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,711.00	5,132.63	2,578.37	185.00	0.30
5131	LSC413	07943824	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,478.00	4,977.54	2,500.46	185.00	0.30
5156	LSC437	07944029	FAIRMONT	81	SEDAN 4DR PS PB	1982	12 B	7,726.00	5,142.62	2,583.38	185.00	0.30
51	LSC446	08287304	RELIANT	81	SEDAN 4DR PS PB	1982	12 B	7,892.00	5,253.11	2,638.89	185.00	0.30
51	LSC451	08287319	RELIANT	81	SEDAN 4DR PS PB	1982	12 B	7,919.00	5,271.08	2,647.92	185.00	0.30
52	LSC478	08505730	RELIANT	82	SEDAN 4DR PS PB	1983	12 B	7,941.00	4,412.22	3,529.78	185.00	0.30
5299	LSC489	08632106	RELIANT	82	SEDAN 4DR PS PB	1983	12 B	7,942.00	4,412.77	3,529.23	185.00	0.30
5308	LSC498	08505716	RELIANT	82	SEDAN 4DR PS PB	1983	12 B	7,943.00	4,413.33	3,529.67	185.00	0.30
5313	LSC503	08632168	RELIANT	82	SEDAN 4DR PS PB	1983	12 B	7,943.00	4,413.33	3,529.67	185.00	0.30
5539	LSC551	07953773	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,959.00	4,422.22	3,536.78	185.00	0.30
5542	LSC554	08388866	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,952.00	4,418.33	3,532.67	185.00	0.30
5551	LSC563	09369578	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,951.00	4,417.77	3,533.23	185.00	0.30
5560	LSC572	08382555	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,916.00	4,398.33	3,517.67	185.00	0.30
5562	LSC574	07953926	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,915.00	4,397.77	3,517.23	185.00	0.30
5567	LSC579	07953938	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,921.00	4,401.11	3,519.89	185.00	0.30
5569	LSC581	08382558	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,916.00	4,398.33	3,517.67	185.00	0.30
5519	LSC592	08382464	ARIES	82	SEDAN 4DR PS PB	1983	12 B	7,873.00	4,374.44	3,498.56	185.00	0.30
5990	LSC721	04029928	ARIES	85	SEDAN 4DR PS PB	1986	12 A	8,927.00	2,148.06	6,778.94	230.00	0.18
5992	LSC723	04029930	ARIES	85	SEDAN 4DR PS PB	1986	12 A	8,927.00	2,148.06	6,778.94	230.00	0.18
6317	LSE666	05255128	ARIES	86	SEDAN 4DR PS PB	1987	12 A	10,425.00	1,413.89	9,011.11	230.00	0.18
6318	LSE667	05255133	ARIES	86	SEDAN 4DR PS PB	1987	12 A	10,425.00	1,413.89	9,011.11	230.00	0.18
6319	LSE668	05255137	ARIES	86	SEDAN 4DR PS PB	1987	12 A	10,425.00	1,413.89	9,011.11	230.00	0.18
6320	LSE669	05255158	ARIES	86	SEDAN 4DR PS PB	1987	12 A	10,425.00	1,413.89	9,011.11	230.00	0.18
6517	LSE825	05643787	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,299.00	315.41	9,983.59	230.00	0.18
6518	LSE783	05637902	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,299.00	315.41	9,983.59	230.00	0.18
6525	LSE827	05643795	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,299.00	315.41	9,983.59	230.00	0.18
6531	LSE830	05643598	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,299.00	315.41	9,983.59	230.00	0.18
6556	LSE813	05642157	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,297.00	315.35	9,981.65	230.00	0.18
6557	LSE814	05642161	RELIANT	87	SEDAN 4DR PS PB	1988	12 A	10,297.00	315.35	9,981.65	230.00	0.18
6662	XME670	05916585	ARIES	88	SEDAN 4DR PS PB	1989	12 A	9,900.21		9,900.21	230.00	0.18
6663	XME671	05916593	ARIES	88	SEDAN 4DR PS PB	1989	12 A	10,823.10		10,823.10	230.00	0.18
6664	XME672	05916587	ARIES	88	SEDAN 4DR PS PB	1989	12 A	10,811.43		10,811.43	230.00	0.18
6665	XME673	05916594	ARIES	88	SEDAN 4DR PS PB	1989	12 A	10,846.42		10,846.42	230.00	0.18

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***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS ----- CLAS CDE	PURCH* COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
NUMBER OF VEHICLES, THIS CLASS: 51												
5032	XME629	08362589	BUICK	83	SEDAN 4DR CNG	15	B	** LEASED VEHICLE **			70.00	0.23
5042	LSE762	05609193	OLDS	87	SEDAN 4DR	15	A	** LEASED VEHICLE **			527.23	0.23
NUMBER OF VEHICLES, THIS CLASS: 2												
5840	LSC687	09573136	CELEBRITY	84	STATION WAGON	1985	18 A	9,647.00	2,651.79	5,995.21	250.00	0.20
5841	LSC688	09573128	CELEBRITY	84	STATION WAGON	1985	18 A	9,988.00	3,780.87	6,207.13	250.00	0.20
5851	LSC690	09573123	CELEBRITY	84	STATION WAGON	1985	18 A	9,647.00	3,651.79	5,995.21	250.00	0.20
5852	LSC699	09573168	CELEBRITY	84	STATION WAGON	1985	18 A	9,745.00	3,688.89	6,056.11	250.00	0.20
5953	LSC700	09670683	CELEBRITY	84	STATION WAGON	1985	18 A	9,647.00	3,651.79	5,995.21	250.00	0.20
6351	LSE732	05289899	RELIANT	86	STATION WAGON	1987	18 A	11,596.00	1,722.49	9,873.51	250.00	0.20
6352	LSE733	05295189	RELIANT	86	STATION WAGON	1987	18 A	11,722.00	1,741.21	9,980.79	250.00	0.20
6353	LSE734	05305062	RELIANT	86	STATION WAGON	1987	18 A	11,596.00	1,722.49	9,873.51	250.00	0.20
6354	LSE735	05321255	RELIANT	86	STATION WAGON	1987	18 A	11,596.00	1,722.49	9,873.51	250.00	0.20
6357	LSE738	05356832	RELIANT	86	STATION WAGON	1987	18 A	11,596.00	1,722.49	9,873.51	250.00	0.20
6561	LSE792	05637929	ARIES	87	STATION WAGON	1988	18 A	11,872.00	398.21	11,473.79	250.00	0.20
NUMBER OF VEHICLES, THIS CLASS: 11												
4833	LSE576	07841411	MALIBU	81	STATION WAGON	1982	19 B	8,336.00	5,989.76	2,346.24	210.00	0.35
48	LSC384	07841487	MALIBU	81	STATION WAGON	1982	19 B	8,326.00	5,982.58	2,343.42	210.00	0.35
4	LSC385	07841444	MALIBU	81	STATION WAGON	1982	19 B	8,471.00	6,086.77	2,384.23	210.00	0.35
4	LSC395	07841493	MALIBU	81	STATION WAGON	1982	19 B	9,089.00	6,530.83	2,558.17	210.00	0.35
4986	LSC398	07841443	MALIBU	81	STATION WAGON	1982	19 B	8,542.00	6,137.78	2,404.22	210.00	0.35
5520	LSC532	08621377	MALIBU	82	STATION WAGON	1983	19 B	9,160.00	5,574.24	3,585.76	210.00	0.35
5525	LSC537	08621363	MALIBU	82	STATION WAGON	1983	19 B	9,155.00	5,571.20	3,583.80	210.00	0.35
5533	LSC545	08621388	MALIBU	82	STATION WAGON	1983	19 B	9,157.00	5,572.42	3,584.58	210.00	0.35
5532	LSC605	08621416	MALIBU	82	STATION WAGON	1983	19 B	9,064.00	5,515.82	3,548.18	210.00	0.35
5533	LSC606	08621372	MALIBU	82	STATION WAGON	1983	19 B	9,065.00	5,516.43	3,548.57	210.00	0.35
5535	LSC608	08621374	MALIBU	82	STATION WAGON	1983	19 B	9,064.00	5,515.82	3,548.18	210.00	0.35
5540	LSC613	08621407	MALIBU	82	STATION WAGON	1983	19 B	9,225.00	5,613.80	3,611.20	210.00	0.35
NUMBER OF VEHICLES, THIS CLASS: 12												
6013	0043MB	04821070	DODGE	85	MINI RAM VAN	1986	21 A	12,333.00	3,250.26	9,082.74	300.00	0.20
6016	1747NB	05045459	DODGE	85	MINI RAM VAN	1986	21 A	12,420.00	3,273.19	9,146.81	300.00	0.20
6017	9526NW	05100324	DODGE	85	MINI RAM VAN	1986	21 A	13,517.00	3,562.29	9,954.71	300.00	0.20
6019	0046MB	04821077	DODGE	85	MINI RAM VAN	1986	21 A	12,222.00	3,221.01	9,000.99	300.00	0.20
6021	1749NB	05045471	DODGE	85	MINI RAM VAN	1986	21 A	14,594.00	3,846.13	10,747.87	300.00	0.20
6023	0000MB	04771886	DODGE	85	MINI RAM VAN	1986	21 A	13,166.00	3,469.79	9,696.21	300.00	0.20
6360	9648NW	05287142	DODGE	86	CARAVAN RR SEAT	1987	21 A	13,322.00	1,978.87	11,343.13	300.00	0.20
6361	9649NW	05287150	DODGE	86	CARAVAN RR SEAT	1987	21 A	13,322.00	1,978.87	11,343.13	300.00	0.20
6362	9650NW	05287156	DODGE	86	CARAVAN RR SEAT	1987	21 A	13,322.00	1,978.87	11,343.13	300.00	0.20
6363	9651NW	05287158	DODGE	86	CARAVAN RR SEAT	1987	21 A	13,319.00	1,978.43	11,340.57	300.00	0.20
6364	9652NW	05287167	DODGE	86	CARAVAN RR SEAT	1987	21 A	13,322.00	1,978.87	11,343.13	300.00	0.20
6379	9667NW	05287284	DODGE	86	CARAVAN RR SEAT	1987	21 A	13,458.00	1,999.07	11,458.93	300.00	0.20
6566	9959NW	05637995	DODGE	87	CARAVAN RR SEAT	1988	21 A	14,304.00	479.78	13,824.22	300.00	0.20
6569	9962NW	05638006	DODGE	87	CARAVAN RR SEAT	1988	21 A	14,304.00	479.78	13,824.22	300.00	0.20
6576	9968NW	05638047	DODGE	87	CARAVAN RR SEAT	1988	21 A	14,304.00	479.78	13,824.22	300.00	0.20
6666	9140RP	05922062	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20
6667	9141RP	05922067	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,694.43		15,694.43	300.00	0.20
6668	9142RP	05922069	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20

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***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR CLASS		PURCH' COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
						IN	----- SERV CLAS CDE					
6669	9145RP	05922095	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20
6670	9143RP	05922072	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20
6671	9146RP	05922094	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20
6672	9144RP	05922078	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,717.76		15,717.76	300.00	0.20
6673	9147RP	05922099	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20
6674	9148RP	05922101	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20
6675	9149RP	05922105	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,694.43		15,694.43	300.00	0.20
6676	5350RY	05922109	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20
6677	5351RY	05922112	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,729.45		15,729.45	300.00	0.20
6678	5352RY	05922116	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,706.10		15,706.10	300.00	0.20
6679	5353RY	05922123	DODGE	88	CARAVAN RR SEAT	1989	21 A	15,694.43		15,694.43	300.00	0.20
NUMBER OF VEHICLES, THIS CLASS: 29												
6091	9580NW	05219971	NISSAN	87	PICKUP 1/4 SPR CB CPY	1987	22 A	12,225.00	1,815.92	10,409.08	285.00	0.20
NUMBER OF VEHICLES, THIS CLASS: 1												
4266	5595NW	07791363	CHEV	80	VANDURA 110 WDW	1981	23 B	9,454.00	7,927.57	1,526.43	255.00	0.37
4367	5586NW	07791364	CHEV	80	VANDURA 110 WDW	1981	23 B	9,376.00	7,862.17	1,513.83	255.00	0.37
4652.1	5969NW	08343548	CHEV	81	VANDURA 110 WDW	1982	23 B	10,366.00	7,448.40	2,917.60	255.00	0.37
4952.2					CNG CONV'N	1986	23 A	936.00	246.68	689.33		
533*	9560NW	08374803	CHEV	82	VANDURA 110 WDW	1983	23 B	11,457.00	6,972.06	4,484.94	255.00	0.37
5	6105NW	08374835	CHEV	82	VANDURA 110 WDW	1983	23 B	11,572.00	7,042.04	4,529.96	255.00	0.37
5	6185NW	08122400	GMC	82	VANDURA 110 WDW	1983	23 B	10,133.00	6,166.35	3,966.65	255.00	0.37
5650	6310NW	04218252	DODGE	84	TRADESMAN 109 WDW SL DR	1985	23 A	10,529.00	3,985.67	6,543.33	320.00	0.25
5714.1	6350NW	09786189	DODGE	84	TRADESMAN 109 WDW SL DR	1985	23 A	11,354.00	4,297.96	7,056.04	320.00	0.25
5714.2					CNG CONV'N	1986	23 A	2,276.00	599.82	1,676.18		
5715	6351NW	04218200	DODGE	84	TRADESMAN 109 WDW SL DR	1985	23 A	11,346.00	4,294.93	7,051.07	320.00	0.25
5750	LSC629	09120045	GMC	84	HARDTOP RR SEAT	1985	23 A	12,684.00	4,801.42	7,882.58	320.00	0.25
5754	LSC633	09120048	GMC	84	HARDTOP RR SEAT	1985	23 A	12,634.00	4,782.50	7,851.50	320.00	0.25
5755	LSC634	09785954	GMC	84	HARDTOP RR SEAT	1985	23 A	12,507.00	4,734.42	7,772.58	320.00	0.25
5756	LSC635	09785955	GMC	84	HARDTOP RR SEAT	1985	23 A	12,534.00	4,744.64	7,789.36	320.00	0.25
6115	9642NW	05266593	CHEV	86	PICKUP 1/2 CPY	1987	23 A	12,396.00	1,841.32	10,554.68	320.00	0.25
6122	9693NW	05309524	CHEV	86	VANDURA 110 WDW SL DR	1987	23 A	16,383.00	2,433.56	13,949.44	320.00	0.25
6127	9695NW	05309490	CHEV	86	VANDURA 110 WDW SL DR	1987	23 A	16,270.00	2,416.77	13,853.23	320.00	0.25
6128	9696NW	05309493	CHEV	86	VANDURA 110 WDW SL DR	1987	23 A	16,327.00	2,425.24	13,901.76	320.00	0.25
6129	9726NW	05321228	CHEV	86	VANDURA 110 WDW SL DR	1987	23 A	13,710.00	2,036.51	11,673.49	320.00	0.25
6139	9734NW	05321226	CHEV	86	VANDURA 110 WDW SL DR	1987	23 A	16,189.00	2,404.74	13,784.26	320.00	0.25
6141	9736NW	05321229	CHEV	86	VANDURA 110 WDW SL DR	1987	23 A	13,516.00	2,007.69	11,508.31	320.00	0.25
6142	9737NW	05321234	CHEV	86	VANDURA 110 WDW SL DR	1987	23 A	16,183.00	2,403.85	13,779.15	320.00	0.25
6427	9999NW	05668382	CHEV	87	VANDURA 110 WDW SL DR	1988	23 A	16,995.00	570.04	16,424.96	320.00	0.25
NUMBER OF VEHICLES, THIS CLASS: 22												
5116	6006NW	07841002	CHEV	81	PICKUP 3/4	1982	24 B	9,842.00	7,071.89	2,770.11	240.00	0.54
5117	6007NW	07841003	CHEV	81	PICKUP 3/4	1982	24 B	9,648.00	6,932.49	2,715.51	240.00	0.54
5972	6469NW	04744301	GMC	85	PICKUP 3/4	1986	24 A	13,032.00	3,434.48	9,597.53	300.00	0.32
NUMBER OF VEHICLES, THIS CLASS: 3												
3870	5422NW	06641061	GMC	79	VANDURA 125 WDW	1980	25 B	9,075.00	8,698.77	376.23	265.00	0.50
4025	5465NW	06641063	GMC	79	VANDURA 125 WDW	1980	25 B	7,947.00	7,617.53	329.47	265.00	0.50
4254	5556NW	07644164	DODGE	80	TRADESMAN 127 WDW	1981	25 B	10,582.00	8,873.45	1,708.55	265.00	0.50
4368	0042WX	07791365	CHEV	80	VANDURA 125	1981	25 B	10,087.00	8,458.37	1,628.63	265.00	0.50

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VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR	CLASS	PURCH' COST	ACCDEN	A	B	C
						IN SERV	CLAS CDE			NET BOOK VALUE	MONTHLY RENT	PER MILE CHARGE
4375	5595NW	07454477	CHEV	80	VANDURA 125 WDW	1981	25 B	10,686.00	8,960.66	1,725.34	265.00	0.50
4378	5598NW	07791362	CHEV	80	VANDURA 125	1981	25 B	10,155.00	8,515.39	1,639.61	265.00	0.50
4379	5599NW	07791375	CHEV	80	VANDURA 125	1981	25 B	10,034.00	8,413.93	1,620.07	265.00	0.50
4383	5603NW	07454489	CHEV	80	VANDURA 125 WDW	1981	25 B	10,524.00	8,824.81	1,699.19	265.00	0.50
4674	5780NW	08296070	GMC	81	VANDURA 125 WDW	1982	25 B	10,849.00	7,795.46	3,053.54	265.00	0.50
4661	5788NW	08296073	GMC	81	VANDURA 125 WDW	1982	25 B	10,883.00	7,819.89	3,063.11	265.00	0.50
4856	5896NW	07934079	GMC	81	VANDURA 125 WDW	1982	25 B	11,805.00	8,482.38	3,322.62	265.00	0.50
4993	5984NW	08343577	CHEV	81	VANDURA 125 WDW	1982	25 B	11,644.00	8,366.70	3,277.30	265.00	0.50
4995	5986NW	08343559	CHEV	81	VANDURA 125 WDW	1982	25 B	11,389.00	8,183.47	3,205.53	265.00	0.50
5101	5992NW	08343565	CHEV	81	VANDURA 125 WDW	1982	25 B	13,001.00	9,341.76	3,659.24	265.00	0.50
5343	6108NW	08853602	DODGE	82	TRADESMAN 127 WDW	1983	25 B	11,993.00	7,298.24	4,694.76	265.00	0.50
5352	6117NW	08853606	DODGE	82	TRADESMAN 127 WDW	1983	25 B	10,859.00	6,608.15	4,250.85	265.00	0.50
5355	6120NW	08853743	DODGE	82	TRADESMAN 127 WDW	1983	25 B	12,055.00	7,335.97	4,719.03	265.00	0.50
5356	6121NW	08853631	DODGE	82	TRADESMAN 127 WDW	1983	25 B	15,591.00	9,487.77	6,103.23	265.00	0.50
5535	6290NW	08122391	GMC	82	VANDURA 125 WDW	1983	25 B	13,834.00	8,418.57	5,415.43	265.00	0.50
5596	6291NW	07852896	GMC	82	VANDURA 125 WDW	1983	25 B	13,432.00	8,173.93	5,258.07	265.00	0.50
5729	6366NW	09786195	DODGE	84	TRADESMAN 127 WDW SL DR	1985	25 A	16,115.00	6,100.20	10,014.80	300.00	0.55
5922	9945NW	04029949	DODGE	85	TRADESMAN 127 WDW SL DR	1986	25 A	13,170.00	3,470.84	9,699.16	300.00	0.55
6177	9804NW	05356586	CHEV	86	VANDURA 125 WDW SL DR	1987	25 A	21,564.00	3,203.15	18,360.85	300.00	0.55
6422.1	9891NW	05543793	FORD	87	ECONOLINE 138 WDW SL DR LEASE	25	A	** L E A S E D V E H I C L E **			575.76	0.55
6422.2					BINS INSTALLED ON 6422	1988	25 A	6,677.02	991.82	6,677.02	0	
					NUMBER OF VEHICLES, THIS CLASS: 24							
5934	LSC701	04218302	GMC	85	HARDTOP 4X4 E WN RR SEAT	1986	30 A	14,753.00	4,564.21	10,188.79	390.00	0.22
					NUMBER OF VEHICLES, THIS CLASS: 1							
4950	5967NW	07934003	GMC	81	PICKUP 3/4 4X4 WINCH	1982	32 B	13,083.00	10,981.54	2,101.46	360.00	0.40
					NUMBER OF VEHICLES, THIS CLASS: 1							
5489.1	6235NW	07852879	GMC	82	SUBURBAN 3/4 4X4 WINCH	1983	33 B	15,015.00	10,726.34	4,288.66	425.00	0.47
5489.2						1984	33 A	1,675.00	970.45	704.55		
5133	9697NW	05309495	CHEV	86	VANDURA 110 WDW SL DR CNG	1987	33 A	17,178.00	2,551.65	14,626.35	515.00	0.25
					NUMBER OF VEHICLES, THIS CLASS: 2							
2214	5024NW	04272100	FORD	75	FLAT DECK WELDER 1183	1976	41 B	5,096.00	5,502.62	(406.62)	220.00	1.00
2216	5025NW	04272101	FORD	75	FLAT DECK-WELDER 1181	1976	41 B	7,272.00	7,852.25	(580.24)	220.00	1.00
4284.1	5580NW	07450149	GMC	80	FLAT DECK 8FT6 1500LB TG	1981	41 B	11,389.00	7,058.81	4,330.19	220.00	1.00
4284.2						1982	41 B	2,243.00	1,188.32	1,054.68		
4473.1	5664NW	07569408	FORD	80	FLAT DECK WELDER 1162	1981	41 B	9,966.00	6,176.84	3,789.16	220.00	1.00
4473.2						1970	41 B	710.00	1,235.25	(525.25)		
5220	6038NW	08162033	FORD	81	FLAT DECK WELDER 1171	1982	41 B	16,869.00	8,937.06	7,931.94	220.00	1.00
6206.1	9936NW	05626995	CHEV	86	FLAT DECK DUALS WELDER 1297	1987	41 A	18,195.00	1,997.66	16,197.34	400.00	0.50
6206.2						1974	41 B	2,036.00	2,605.66	(569.66)		
815X	6478NW	03217179	DODGE	74	FLAT DECK IT WELDER 1184	1975	41 B	7,503.00	8,851.98	(1,348.98)	220.00	1.00
816X	6479NW	03291220	DODGE	74	FLAT DECK IT WELDER 1180	1975	41 B	6,524.00	7,696.96	(1,172.96)	220.00	1.00
					NUMBER OF VEHICLES, THIS CLASS: 8							
2087	5011NW	03975933	FORD	75	VAN 10FT ROLL DOOR 2000LB TG	1976	42 B	9,690.00	10,463.18	(773.18)	215.00	0.50
					NUMBER OF VEHICLES, THIS CLASS: 1							
3787	5378NW	07092875	GMC	79	CUTAWAY 12FT ALUM AC & 1032	1980	43 B	20,726.00	14,711.14	6,014.86	325.00	0.90

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***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS CLAS CDE	PURCH' COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHAPGE
NUMBER OF VEHICLES, THIS CLASS: 1												
5235	6052NW	08388682	INTL	82	DUMP 4/5 YD	1982	44 B	26,204.00	13,882.66	12,321.34	520.00	1.00
5243.1	6060NW	08388707	INTL	82	VAN 16FT ALUM 4000LB TG DSL	1982	44 B	24,144.00	12,791.29	11,352.71	520.00	1.00
5243.2						1983	44 B	8,286.00	3,726.97	4,559.03		
6404.1	9069RP	05695688	INTL	86	DUMP 4-5YD DSL	1987	44 A	41,081.00	4,510.35	36,570.65	650.00	0.75
6404.2						1977	44 B	3,135.00	3,071.65	63.25		
NUMBER OF VEHICLES, THIS CLASS: 3												
4869.1	5899NW	08388223	INTL	81	GAS DRILL-SNIFFER SULLAIR 125	1982	45 B	73,378.00	38,875.05	34,502.95	1,697.95	
4869.2						1983	45 B	4,220.00	1,898.12	2,321.88		
4869.3						1970	45 B	4,058.00	7,061.81	(3,002.81)		
6403	9918NW	05621846	INTL	86	DUMP(76) 4-5YD DSL	1987	45 A	47,451.00	5,209.72	42,241.28	1,335.60	
NUMBER OF VEHICLES, THIS CLASS: 2												
3276.1	5196NW	05603922	FORD	77	FL DK 12FT HL70B(64)	1978	48 B	16,565.00	14,739.40	1,825.60	525.00	1.35
3276.2						1964	48 B	14,090.00	34,376.66	(20,286.66)		
5236.1	6053NW	08388658	INTL	82	FL DK ATLAS 3006(76)	1982	48 B	21,861.00	11,581.78	10,279.22	525.00	1.35
NUMBER OF VEHICLES, THIS CLASS: 2												
3342.1	5236NW	06440405	FORD	78	FL DK 12FT ATLAS 3006 AIR	1978	49 B	16,407.00	14,598.81	1,808.19	1,169.70	
						1977	49 B	7,057.00	6,914.39	142.61		
						1979	49 B	2,760.00	2,207.43	552.57		
46..	5725NW	07643162	INTL	81	TRACTOR HIAB 1165AW AIR T937 *	1981	49 B	92,806.00	57,520.39	35,285.61	2,469.60	
5245.1	6062NW	08388819	INTL	82	FL DK 16FT HIAB 950(76)AIRDSL*	1982	49 B	30,494.00	16,155.47	14,338.53	1,856.40	
5914.1	9532NW	05107900	INTL	85	FL DK 16FT ATLAS 3006(76)	1986	49 A	42,732.00	8,323.84	34,408.16	1,855.35	
5914.2						1976	49 B	8,993.00	9,710.57	(717.57)		
6401.1	9877NW	05503074	INTL	86	FL DK 16FT ATLAS 3006(75) AIR*	1987	49 A	45,143.00	4,956.33	40,186.67	1,780.80	
6401.2						1976	49 B	8,111.00	8,758.19	(647.19)		
6407.1	9130RP	05865031	INTL	86	FL DK 18FT ATLAS 3006(79)DLAR*	1987	49 A	46,988.57	9,152.98	37,835.59	1,420.00	
6407.2						1988	49 A	4,476.02	491.43	3,984.59		
NUMBER OF VEHICLES, THIS CLASS: 6												
389X.1	5435NW	04251910	CHEV	74	WALKIN 10FT PS	1975	52 B	7,103.00	8,380.06	(1,277.06)	200.00	1.20
389X.2						1974	52 B	924.00	1,182.53	(258.53)		
391X	5445NW	03192870	CHEV	74	WALKIN 10FT PS	1975	52 B	11,475.00	13,538.11	(2,063.11)	200.00	1.20
NUMBER OF VEHICLES, THIS CLASS: 2												
189W	4993NW	04548755	GMC	75	WALKIN 10FT PS	1976	53 B	11,316.00	12,218.92	(902.92)	275.00	1.25
209W	5012NW	04548800	GMC	75	WALKIN 12FT PS	1976	53 B	12,241.00	13,217.73	(976.73)	275.00	1.25
211W	5014NW	04548770	GMC	75	WALKIN 12FT PS	1976	53 B	14,104.00	15,229.38	(1,125.38)	275.00	1.25
2499	5065NW	04679806	GMC	77	WALKIN 12FT	1977	53 B	12,132.00	11,886.83	245.17	275.00	1.25
2500	5066NW	04679807	GMC	77	WALKIN 12FT	1977	53 B	12,500.00	12,247.40	252.60	275.00	1.25
2501	5067NW	04679808	GMC	77	WALKIN 12FT	1977	53 B	12,961.00	12,699.08	261.92	275.00	1.25
2502	5068NW	04681610	GMC	77	WALKIN 12FT	1977	53 B	12,532.00	12,278.75	253.25	275.00	1.25
2503	5069NW	04679838	GMC	77	WALKIN 12FT	1977	53 B	15,132.00	14,826.21	305.79	275.00	1.25
3358	5251NW	06441291	CHEV	78	WALKIN 12FT	1979	53 B	14,340.00	11,469.01	2,870.99	275.00	1.25
3366	5258NW	06441037	CHEV	78	WALKIN 12FT	1978	53 B	14,477.00	12,881.51	1,595.49	275.00	1.25
3368	5260NW	06440418	CHEV	78	WALKIN 12FT	1979	53 B	14,646.00	11,713.75	2,932.25	275.00	1.25
NUMBER OF VEHICLES, THIS CLASS: 11												

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VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS	CLASS CDE	PURCH' COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
3804	5395NW	07040407	CHEV	79	WALKIN 12FT ALUM	1980	54	B	17,840.00	12,662.68	5,177.32	500.00	0.90
4531	5706NW	07648635	CHEV	80	WALKIN 14FT ALUM	1981	54	B	26,519.00	16,436.26	10,082.74	500.00	0.90
4532	5707NW	07648694	CHEV	80	WALKIN 14FT ALUM	1981	54	B	23,333.00	14,461.60	8,871.40	500.00	0.90
4535	5710NW	07643175	CHEV	80	WALKIN 14FT ALUM	1981	54	B	24,075.00	14,921.48	9,153.52	500.00	0.90
4850	5882NW	08388695	GMC	81	WALKIN 14FT ALUM	1982	54	B	27,426.00	14,530.07	12,895.93	500.00	0.90
4851	5883NW	08388696	GMC	81	WALKIN 14FT ALUM	1982	54	B	26,968.00	14,287.42	12,680.58	500.00	0.90
4852	5884NW	08388697	GMC	81	WALKIN 14FT ALUM	1982	54	B	27,826.00	14,741.98	13,084.02	500.00	0.90
4853	5885NW	08388698	GMC	81	WALKIN 14FT ALUM	1982	54	B	27,909.00	14,785.96	13,123.04	500.00	0.90
4854	5886NW	08388699	GMC	81	WALKIN 14FT ALUM	1982	54	B	26,350.00	13,960.01	12,389.99	500.00	0.90
4855	5887NW	08388886	GMC	81	WALKIN 14FT ALUM	1982	54	B	26,943.00	14,274.18	12,668.82	500.00	0.90
4856	5888NW	08388885	GMC	81	WALKIN 14FT ALUM	1982	54	B	28,197.00	14,938.54	13,258.46	500.00	0.90
5893	9528NW	05103287	GMC	85	WALKIN 14FT ALUM	1986	54	A	37,371.00	7,279.56	30,091.44	650.00	0.70
5894	9530NW	05103294	GMC	85	WALKIN 14FT ALUM	1986	54	A	37,371.00	7,279.56	30,091.44	650.00	0.70
5895	9529NW	05103289	GMC	85	WALKIN 14FT ALUM	1986	54	A	37,371.00	7,279.56	30,091.44	650.00	0.70
NUMBER OF VEHICLES, THIS CLASS: 14													
5886	9566NW	05166257	GMC	85	WALKIN 14FT ALUM DSL HD	1986	55	A	62,004.00	12,077.86	49,926.14	950.00	0.80
5892	9541NW	05128431	GMC	85	WALKIN 14FT ALUM DSL HD	1986	55	A	53,347.00	10,291.55	42,955.45	950.00	0.80
6418	9113RP	05819071	GMC	87	WALKIN 14FT ALUM DSL	1988	55	A	61,327.00	7,961.03	53,375.97	950.00	0.80
NUMBER OF VEHICLES, THIS CLASS: 3													
2071	5009NW	04548787	GMC	75	WALKIN 12FT PS SULLAIR	1976	57	B	14,730.00	15,905.33	(1,175.33)	280.00	2.25
NUMBER OF VEHICLES, THIS CLASS: 1													
194W	4997NW	04548713	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B	17,852.00	19,276.44	(1,424.44)	350.00	2.50
195W	4998NW	04548735	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B	17,860.00	19,285.08	(1,425.08)	350.00	2.50
196W	4999NW	04548724	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B	17,872.00	19,298.04	(1,426.04)	350.00	2.50
198W	5000NW	04548751	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B	17,836.00	19,259.16	(1,423.16)	350.00	2.50
201W	5001NW	04548729	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B	15,440.00	16,671.98	(1,231.98)	350.00	2.50
202W	5003NW	04548753	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B	15,540.00	16,779.96	(1,239.96)	350.00	2.50
203W	5004NW	04548716	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B	15,530.00	16,769.16	(1,239.16)	350.00	2.50
204W.2						1977	58	B	5,049.00	4,946.97	102.03		
204W.1	5005NW	04548788	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B	10,680.00	11,532.18	(852.18)	350.00	2.50
210W	5013NW	04548782	GMC	75	WALKIN 12FT PS COMP	1976	58	B	15,263.00	16,480.86	(1,217.86)	350.00	2.50
212W.1	5015NW	04548767	GMC	75	WALKIN 12FT PS SULLAIR	1976	58	B	14,259.00	15,396.75	(1,137.75)	350.00	2.50
212W.2						1977	58	B	6,180.00	6,055.11	124.89		
298W	9123RP	04548734	GMC	75	WALKIN 14FT PS SULLAIR	1976	58	B	20,084.00	21,686.54	(1,602.54)	350.00	2.50
358X.1	5303NW	03286808	CHEV	74	WALKIN 14FT PS SULLAIR	1975	58	B	16,015.00	18,894.36	(2,879.36)	350.00	2.50
378X.1	5372NW	03192197	CHEV	74	WALKIN 12FT PS COMP	1975	58	B	15,973.00	18,844.81	(2,871.81)		
378X.2						1976	58	B	1,949.00	2,104.51	(155.51)		
4842	5874NW	07826970	GMC	80	WALKIN 14FT ALUM SULLAIR 85	1982	58	B	38,864.00	20,589.82	18,274.18	350.00	2.50
NUMBER OF VEHICLES, THIS CLASS: 14													
3329.1	5226NW	05773072	FORD	77	GAS CONST COMPAIR 85	1978	59	B	14,316.00	12,738.26	1,577.74	750.00	1.60
3329.2						1979	59	B	17,173.00	13,734.82	3,438.18		
3330.1	5227NW	05773071	FORD	77	GAS CONST COMPAIR 85	1978	59	B	25,689.00	22,857.86	2,831.14	750.00	1.60
3330.2						1979	59	B	5,424.00	4,338.07	1,085.93		
4365.1	5584NW	07643181	CHEV	80	WALKIN 14FT ALUM SULLAIR 125	1981	59	B	24,645.00	15,274.77	9,370.23	750.00	1.60
4365.2						1982	59	B	11,236.00	5,952.74	5,283.26		
4521.1	5696NW	08382031	CHEV	80	GAS CONST DAVEY 125	1981	59	B	27,860.00	17,267.40	10,592.60	750.00	1.60
4521.2						1982	59	B	10,254.00	5,432.48	4,821.52		

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VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR CLASS		PURCH' COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
						IN	CLASS					
						SERV	CLAS CDE					
4522	5697NW	08382141	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	40,634.00	25,184.61	15,449.39	750.00	1.60
4523.1	5698NW	08382142	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	19,593.00	12,143.58	7,449.42	750.00	1.60
4523.2						1982	59 B	21,303.00	11,286.15	10,016.85		
4524.1	5699NW	08382030	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	19,454.00	12,057.43	7,396.57	750.00	1.60
4524.2						1982	59 B	21,197.00	11,229.99	9,967.01		
4525.1	5700NW	07829229	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	18,396.00	11,401.69	6,994.31	750.00	1.60
4525.2						1982	59 B	22,032.00	11,672.37	10,359.63		
4526.1	5701NW	07829230	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	19,269.00	11,942.77	7,326.23	750.00	1.60
4526.2						1982	59 B	21,490.00	11,385.22	10,104.78		
4527.1	5702NW	07829231	CHEV	80	GAS CONST DAVEY 125	1981	59 B	28,650.00	17,757.03	10,892.97	750.00	1.60
4527.2						1982	59 B	10,254.00	5,432.48	4,821.52		
4528.1	5703NW	08382026	CHEV	80	GAS CONST SULLAIR 125	1981	59 B	19,098.00	11,836.78	7,261.22	750.00	1.60
4528.2						1982	59 B	21,490.00	11,385.22	10,104.78		
4536.1	5711NW	07643176	CHEV	80	WALKIN 14FT ALUM SULLAIR 125	1981	59 B	25,684.00	15,918.73	9,765.27	750.00	1.60
4536.2						1982	59 B	13,471.00	7,136.82	6,334.18		
4537.1	5712NW	07643177	CHEV	80	WALKIN 14FT ALUM SULLAIR 125	1981	59 B	23,981.00	14,863.22	9,117.78	750.00	1.60
4537.2						1982	59 B	13,781.00	7,301.06	6,479.94		
4538.1	5713NW	07643178	CHEV	80	WALKIN 14FT ALUM SULLAIR 125	1981	59 B	23,855.00	14,785.13	9,069.87	750.00	1.60
4538.2						1982	59 B	13,781.00	7,301.06	6,479.94		
4838	5870NW	07826963	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	43,599.00	23,098.39	20,500.61	750.00	1.60
4839	5871NW	07829236	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	44,765.00	23,716.12	21,048.88	750.00	1.60
4840	5872NW	07826976	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	45,358.00	24,030.29	21,327.71	750.00	1.60
4841	5873NW	07826975	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	45,368.00	24,035.59	21,332.41	750.00	1.60
4842	5875NW	07829237	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	43,284.00	22,931.50	20,352.50	750.00	1.60
4844	5876NW	07826973	GMC	80	WALKIN 14FT ALUM SULLAIR 125	1982	59 B	44,638.00	23,648.84	20,989.16	750.00	1.60
4845.1	5877NW	08388706	GMC	81	WALKIN 14FT ALUM SULLAIR 125	1983	59 B	27,467.00	12,354.43	15,112.57	750.00	1.60
4845.2						1982	59 B	11,671.00	6,183.20	5,487.80		
4846.1	5878NW	08388815	GMC	81	WALKIN 14FT ALUM SULLAIR 125	1983	59 B	24,925.00	11,211.06	13,712.94	750.00	1.60
4846.2						1982	59 B	13,471.00	7,136.82	6,334.18		
4847	5879NW	08388704	GMC	81	WALKIN 14FT ALUM SULLAIR 125	1983	59 B	38,184.00	17,174.84	21,009.16	750.00	1.60
5233.1	6050NW	08382492	INTL	82	GAS CONST SULLAIR 125	1982	59 B	20,543.00	10,883.51	9,659.49	750.00	1.60
5233.2						1983	59 B	28,180.00	12,675.13	15,504.87		
5234.1	6051NW	08382493	INTL	82	GAS CONST SULLAIR 125	1982	59 B	20,234.00	10,719.80	9,514.20	750.00	1.60
5238.1	6055NW	08388814	INTL	82	GAS CONST SULLAIR 125	1982	59 B	30,251.00	16,026.73	14,224.27	750.00	1.60
5238.2						1983	59 B	15,104.00	6,793.65	8,310.35		
5239.1	6056NW	08382503	INTL	82	GAS CONST SULLAIR 125	1982	59 B	21,971.00	11,640.05	10,330.95	750.00	1.60
5239.2						1983	59 B	27,760.00	12,486.22	15,273.78		
5240.1	6057NW	08382504	INTL	82	GAS CONST SULLAIR 125	1982	59 B	21,891.00	11,597.67	10,293.33	750.00	1.60
5241.1	6058NW	08382510	INTL	82	GAS CONST SULLAIR 125	1982	59 B	21,759.00	11,527.74	10,231.26	750.00	1.60
5241.2						1983	59 B	28,784.00	12,946.80	15,837.20		
5242.1	6059NW	08382509	INTL	82	GAS CONST SULLAIR 125	1982	59 B	22,021.00	11,666.54	10,354.46	750.00	1.60
5242.2						1983	59 B	28,785.00	12,947.25	15,837.75		
5424.1	6172NW	09119927	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1983	59 B	37,260.00	16,759.24	20,500.76	750.00	1.60
5424.2						1984	59 B	12,332.00	4,498.61	7,833.39		
5425	6173NW	09119926	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1984	59 B	48,178.00	17,574.93	30,603.07	750.00	1.60
5426	6174NW	09119925	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1984	59 B	47,346.00	17,271.43	30,074.57	750.00	1.60
5427	6175NW	09119924	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1984	59 B	48,176.00	17,574.20	30,601.80	750.00	1.60
5436	6184NW	09786014	GMC	82	WALKIN 14FT ALUM SULLAIR 125	1983	59 B	42,804.00	19,252.88	23,551.12	750.00	1.60
5884	9564NW	05166244	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986	59 A	58,255.00	11,347.59	46,907.41	985.00	1.60
5885	9565NW	05166254	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986	59 A	58,255.00	11,347.59	46,907.41	985.00	1.60
5887	9567NW	05166259	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986	59 A	58,255.00	11,347.59	46,907.41	985.00	1.60

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VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS CLAS CDE	PURCH' COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
5882	9568NW	05166263	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986	59 A	58,252.00	11,348.17	46,909.83	985.00	1.60
5889	9569NW	05166266	GMC	85	WALKIN 14FT ALUM SULLAIR 125DL	1986	59 A	58,237.00	11,344.08	46,892.92	985.00	1.60
6420	9137RP	05970009	GMC	87	WALKIN 14FT ALUM SULLAIR 125	1988	59 A	66,913.24	7,346.52	59,566.72	985.00	1.60
6421.1	9138RP	05914144	GMC	87	WALKIN 14FT ALUM SULLAIR 125	1988	59 A	64,748.34	7,108.83	57,639.51	985.00	1.60
6421.2						1977	59 B	7,930.00	7,769.75	160.25		
NUMBER OF VEHICLES, THIS CLASS: 42												
4292	LSC205	07571676	FAIRMONT	80	SEDAN 4DR PS PB CNG	1981	72 B	6,056.00	4,757.75	1,298.25	200.00	0.45
4300	LSC213	07571620	FAIRMONT	80	SEDAN 4DR PS PB CNG	1981	72 B	6,057.00	4,758.53	1,298.47	200.00	0.45
4310	LSC222	07797153	MALIBU	80	SEDAN 4DR PS PB CNG	1981	72 B	6,386.00	5,017.00	1,369.00	200.00	0.45
4316	LSC228	07797250	MALIBU	80	SEDAN 4DR PS PB CNG	1981	72 B	6,442.00	5,061.00	1,381.00	200.00	0.45
4789	LSC334	08175467	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,444.00	4,954.91	2,489.09	200.00	0.45
4802	LSC347	08266902	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,424.00	4,941.60	2,482.40	200.00	0.45
4804	LSC349	08266903	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,426.00	4,942.92	2,483.07	200.00	0.45
4809	LSC354	08175465	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,400.00	4,925.63	2,474.38	200.00	0.45
4826	LSC370	08175466	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,399.00	4,924.96	2,474.04	200.00	0.45
5128	LSC410	07943826	FAIRMONT	81	SEDAN 4DR PS PB CNG	1984	72 B	7,642.00	3,443.68	4,198.32	200.00	0.45
5147	LSC428	07943891	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,704.00	5,127.98	2,576.02	200.00	0.45
5150	LSC431	07943893	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,704.00	5,127.98	2,576.02	200.00	0.45
5151	LSC432	07943886	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,709.00	5,131.30	2,577.70	200.00	0.45
5152	LSC433	07944030	FAIRMONT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,805.00	5,195.20	2,609.80	200.00	0.45
5153	LSC466	08287321	RELIANT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,888.00	5,250.45	2,637.55	200.00	0.45
5154	LSC471	08287330	RELIANT	81	SEDAN 4DR PS PB CNG	1982	72 B	7,894.00	5,254.44	2,639.56	200.00	0.45
5615.1	LSC588	07953925	ARIES	82	SEDAN 4DR PS PB CNG	1983	72 B	7,879.00	4,377.77	3,501.23	200.00	0.45
5615.2						1986	72 A	1,636.00	393.66	1,242.34		
5616	LSC589	07953929	ARIES	82	SEDAN 4DR PS PB CNG	1983	72 B	7,879.00	4,377.77	3,501.23	200.00	0.45
5617	LSC590	07953924	ARIES	82	SEDAN 4DR PS PB	1983	72 B	7,879.00	4,377.77	3,501.23	200.00	0.45
5627	LSC600	08388657	ARIES	82	SEDAN 4DR PS PB CNG	1983	72 B	7,874.00	4,374.99	3,499.01	200.00	0.45
5802.1	LSC649	09786076	ARIES	84	SEDAN 4DR PS PB CNG	1984	72 A	8,642.00	3,894.30	4,747.70	230.00	0.22
5802.2						1986	72 A	1,636.00	393.66	1,242.34		
5833	LSC680	09786107	ARIES	84	SEDAN 4DR PS PB CNG	1984	72 A	8,642.00	3,894.75	4,748.25	230.00	0.22
NUMBER OF VEHICLES, THIS CLASS: 22												
5340.1	LSC522	08293085	ARIES	82	STATION WAGON PS PB CNG	1983	75 B	9,001.00	5,477.48	3,523.52	250.00	0.25
5340.2						1986	75 A	2,198.00	579.26	1,618.74		
NUMBER OF VEHICLES, THIS CLASS: 1												
6682	5354RY	05922126	DODGE	88	CARAVAN RR SEAT CNG	1989	77 A	15,871.11		15,871.11	270.00	0.30
NUMBER OF VEHICLES, THIS CLASS: 1												
4185	5510NW	06883871	GMC	80	VANDURA 110 WDW CNG	1980	78 B	8,848.00	8,481.18	366.82	230.00	0.55
4953	5970NW	08343549	CHEV	81	VANDURA 110 WDW CNG	1982	78 B	10,330.00	7,422.54	2,907.46	230.00	0.55
5917	0034MB	04805442	FORD	85	ECONOLINE 124 WDW SL DR CNG	1986	78 A	14,753.00	3,888.03	10,864.97	350.00	0.35
6126	9694NW	05309488	CHEV	86	VANDURA 110 WDW SL DR CNG	1987	78 A	17,141.00	2,546.15	14,594.85	350.00	0.35
NUMBER OF VEHICLES, THIS CLASS: 4												
4164	5500NW	06883876	GMC	80	VANDURA 125 WDW FIBRE ROOF CNG	1980	80 B	10,216.00	9,792.46	423.54	310.00	0.75
4374.1	5594NW	07454480	CHEV	80	VANDURA 125 WDW CNG	1981	80 B	10,780.00	9,039.48	1,740.52	310.00	0.75
4374.2						1986	80 A	1,173.00	309.13	863.87		
4376.1	5596NW	07454478	CHEV	80	VANDURA 125 WDW CNG	1981	80 B	8,962.00	7,515.01	1,446.99	310.00	0.75
4376.2						1986	80 A	1,470.00	387.41	1,082.59		

GAS VEHICLES - JULY 15, 1988

***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR	CLASS	PURCH' COST	ACCDEPN	A	B	C
						IN	----- SERV CLAS CDE			NET BOOK VALUE	MONTHLY RENT	PER MILE CHARGE
4377	5597NW	07454481	CHEV	80	VANDURA 125 WDW CNG	1981	80 B	10,883.00	9,125.85	1,757.15	310.00	0.75
4675	5781NW	08296067	GMC	81	VANDURA 125 WDW CNG	1982	80 B	12,208.00	8,771.96	3,436.04	310.00	0.75
4676	5782NW	08296071	GMC	81	VANDURA 125 WDW CNG	1982	80 B	12,625.00	9,071.59	3,553.41	310.00	0.75
4988	5979NW	8343572	CHEV	81	VANDURA 125 WDW CNG	1982	80 B	12,341.00	8,273.18	3,467.82	310.00	0.75
4989	5980NW	08343573	CHEV	81	VANDURA 125 WDW CNG	1982	80 B	12,259.00	8,808.60	3,450.40	310.00	0.75
4990	9885NW	08343574	CHEV	81	VANDURA 125 WDW CNG	1982	80 B	12,310.00	8,845.25	3,464.75	310.00	0.75
4991	5982NW	08343575	CHEV	81	VANDURA 125 WDW CNG	1982	80 B	13,478.00	9,684.50	3,793.50	310.00	0.75
4992.1	5983NW	08343576	CHEV	81	VANDURA 125 WDW CNG	1982	80 B	12,262.00	8,815.07	3,452.93	310.00	0.75
4992.2						1986	80 A	322.00	84.86	237.14		
5342.1	6107NW	08853601	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	12,067.00	7,342.27	4,723.73	310.00	0.75
5342.2						1986	80 A	2,276.00	599.82	1,676.18		
5346.1	6111NW	08853611	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	11,793.00	7,176.53	4,616.47	310.00	0.75
5349	6114NW	08853608	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	13,148.00	8,001.11	5,146.89	310.00	0.75
5350	6115NW	08853603	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	13,123.00	7,991.98	5,141.02	310.00	0.75
5353	6118NW	08853605	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	13,255.00	8,066.22	5,188.78	310.00	0.75
5354	6119NW	08853604	DODGE	82	TRADESMAN 127 WDW CNG	1983	80 B	13,302.00	8,094.82	5,207.18	310.00	0.75
5445	6192NW	08122364	GMC	82	VANDURA 125 WDW CNG	1983	80 B	13,285.00	8,084.48	5,200.52	310.00	0.75
5446	6193NW	08122362	GMC	82	VANDURA 125 WDW CNG	1983	80 B	13,461.00	8,191.58	5,269.42	310.00	0.75
5590.1	6285NW	08122390	GMC	82	VANDURA 125 WDW CNG	1983	80 B	13,794.00	8,394.22	5,399.78	310.00	0.75
5590.2						1986	80 A	1,182.00	311.77	871.23		
5590.1	6287NW	07852861	GMC	82	VANDURA 125 WDW CNG	1983	80 B	11,979.00	7,289.72	4,689.28	310.00	0.75
5590.2						1986	80 A	2,312.00	609.31	1,702.69		
5590.2	6288NW	07852863	GMC	82	VANDURA 125 WDW CNG	1983	80 B	11,961.00	7,278.77	4,682.23	310.00	0.75
5590.2						1986	80 A	2,312.00	609.31	1,702.69		
5597	6292NW	08122366	GMC	82	VANDURA 125 WDW CNG	1983	80 B	13,460.00	8,190.97	5,269.03	310.00	0.75
5722.1	6359NW	09786192	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,170.00	6,121.02	10,048.98	465.00	0.40
5722.2						1987	80 A	2,485.00	369.13	2,115.87		
5723.1	6360NW	09786193	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,124.00	6,103.61	10,020.39	465.00	0.40
5723.2						1986	80 A	2,276.00	599.82	1,676.18		
5724	6361NW	09786194	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,119.00	6,101.71	10,017.29	465.00	0.40
5725.1	6362NW	09120053	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,000.00	6,056.67	9,943.33	465.00	0.40
5725.2						1986	80 A	2,255.00	594.29	1,660.71		
5728.1	6365NW	04218215	DODGE	84	TRADESMAN 127 WDW MAXI FBR CNG	1985	80 A	14,459.00	5,473.33	8,985.67	465.00	0.40
5728.2						1986	80 A	2,276.00	599.82	1,676.18		
5730	6368NW	09786196	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,084.00	6,088.46	9,995.54	465.00	0.40
5731.1	6369NW	09645880	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,883.00	6,390.92	10,492.08	465.00	0.40
5731.2						1986	80 A	2,276.00	599.82	1,676.18		
5732	6370NW	09786197	DODGE	84	TRADESMAN 127 WDW SL DR CNG	1985	80 A	16,426.00	6,217.93	10,208.07	465.00	0.40
5921	0049MB	04827677	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986	80 A	18,795.00	4,953.27	13,841.73	465.00	0.40
5923	1725NB	04827695	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986	80 A	18,743.00	4,939.56	13,803.44	465.00	0.40
5924	1726NB	04827690	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986	80 A	16,548.00	4,361.09	12,186.91	465.00	0.40
5927	0029MB	04797418	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986	80 A	17,674.00	4,657.84	13,016.16	465.00	0.40
5928	0030MB	04797422	DODGE	85	TRADESMAN 127 WDW SL DR CNG	1986	80 A	18,577.00	4,895.81	13,681.19	465.00	0.40
6148	9789NW	05356558	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,767.00	3,233.31	18,533.69	465.00	0.40
6149	9790NW	05356563	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,762.00	3,232.56	18,529.44	465.00	0.40
6150	9791NW	05356567	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,762.00	3,232.56	18,529.44	465.00	0.40
6154	9792NW	05356572	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,895.00	3,252.32	18,642.68	465.00	0.40
6155	9798NW	05356548	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,213.00	3,151.01	18,061.99	465.00	0.40
6156	9799NW	05356555	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,395.00	3,178.05	18,216.95	465.00	0.40
6159	9793NW	05356578	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,579.00	3,205.38	18,373.62	465.00	0.40
6160	9794NW	05356594	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80 A	21,584.00	3,206.12	18,377.88	465.00	0.40

***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS	CODE	PURCH COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
6162	9800NW	05356561	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,254.00	3,157.10	18,096.90	465.00	0.40
6163	9795NW	05356598	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,556.00	3,201.96	18,354.04	465.00	0.40
6164	9796NW	05356605	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,651.00	3,216.08	18,434.92	465.00	0.40
6165	9797NW	05356629	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	22,268.00	3,307.73	18,960.27	465.00	0.40
6167	9801NW	05356568	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	20,409.00	3,031.59	17,377.41	465.00	0.40
6174	9836NW	05413408	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,057.00	3,127.84	17,929.16	465.00	0.40
6175	9802NW	05356573	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,552.00	3,201.37	18,350.63	465.00	0.40
6176	9803NW	05356906	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,547.00	3,200.63	18,346.37	465.00	0.40
6178	9837NW	05413397	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	18,496.00	2,747.43	15,748.57	465.00	0.40
6179	9838NW	05413407	CHEV	86	VANDURA 125 WDW SL DR CNGRRST	1987	80	A	21,243.00	3,155.47	18,087.53	465.00	0.40
6180	9805NW	05356591	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,548.00	3,200.78	18,347.22	465.00	0.40
6181	9806NW	05356596	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	22,174.00	3,293.76	18,880.24	465.00	0.40
6182	9807NW	05356601	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,456.00	3,187.11	18,268.89	465.00	0.40
6183	9808NW	05356628	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,282.00	3,161.26	18,120.74	465.00	0.40
6184	9809NW	05356634	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,468.00	3,188.89	18,279.11	465.00	0.40
6185	9810NW	05356637	CHEV	86	VANDURA 125 WDW SL DR CNG	1987	80	A	21,473.00	3,189.64	18,283.36	465.00	0.40
NUMBER OF VEHICLES, THIS CLASS: 60													
2881.1	5138NW	05372857	GMC	77	FL DK 17FT SKB9TM52 CNG	1978	85	B	24,930.00	22,182.51	2,747.49	1,690.50	
2881.2						1986	85	A	9.72	1.89	7.83		
2881.3	6061NW	08388722	INTL	82	FL DK ATLAS 3006 CNG	1982	85	B	24,087.00	12,761.09	11,325.91	1,337.07	
						1980	85	B	9,609.00	6,820.39	2,788.61		
						1971	85	B	1,698.00	2,750.41	(1,052.41)		
NUMBER OF VEHICLES, THIS CLASS: 2													
1162			LINCOLN	80	WELDER ON 4473	1981	91	B	4,981.00	2,022.49	2,958.51	200.00	
1180			LINCOLN	77	WELDER ON 816X	1978	91	B	3,291.00	2,224.85	1,066.15	200.00	
1181			LINCOLN	75	WELDER ON 2216	1976	91	B	3,005.00	2,572.41	432.59	200.00	
1183			LINCOLN	77	WELDER ON 2214	1978	91	B	3,290.00	2,224.18	1,065.82	200.00	
1184			LINCOLN	77	WELDER ON 815X	1978	91	B	3,290.00	2,224.18	1,065.82	200.00	
1190			LINCOLN	77	WELDER ON 145W	1978	91	B	3,290.00	2,224.18	1,065.82	200.00	
1249			TAYLORDUNN	71	BURDEN CARRIER ELECTRIC	1972	91	B	2,840.00	3,452.56	(613.56)	200.00	
1297			LINCOLN	74	WELDER ON 6206	1975	91	B	2,450.00	2,317.80	132.20	200.00	
NUMBER OF VEHICLES, THIS CLASS: 8													
1032			SULLAIR	81	COMPRESSOR 85CFM IN 3787	1982	92	B	6,993.00	2,419.87	4,573.13	200.00	
1064			TAYLOR DUN	75	BURDEN CARRIER ELECTRIC	1975	92	B	3,676.00	3,477.65	198.35	200.00	
1171			LINCOLN	81	WELDER ON 5220	1982	92	B	5,143.00	1,779.69	3,363.31	200.00	
1300			CUSHMAN	77	BURDEN CARRIER ELECTRIC	1978	92	B	4,515.00	3,052.33	1,462.67	200.00	
1301			CUSHMAN	77	BURDEN CARRIER ELECTRIC	1978	92	B	4,557.00	3,080.72	1,476.28	200.00	
1305			CUSHMAN	78	BURDEN CARRIER ELECTRIC	1979	92	B	6,211.00	3,639.90	2,571.10	200.00	
NUMBER OF VEHICLES, THIS CLASS: 6													
1082			TOYOTA	72	FORKLIFT 2000LB PROPANE	1972	93	B	6,981.00	8,489.19	(1,508.19)	300.00	
1278	X56237	02576326	MASS FERG	73	WHEEL LOADER	1975	93	B	10,107.00	9,561.64	545.36	300.00	
1321	28672Y	06440590	WAYNE	78	CHIPPER 16IN T	1979	93	B	13,558.00	7,945.55	5,612.45	300.00	
NUMBER OF VEHICLES, THIS CLASS: 3													
1009			TOYOTA	77	FORKLIFT 2000 LB PROPANE	1978	94	B	12,590.00	8,511.36	4,078.64	300.00	
NUMBER OF VEHICLES, THIS CLASS: 1													

GAS VEHICLES - JULY 15, 1988

***** C O L U M N S *****

VEH #	LICENCE	REGISTRN	MAKE	MFR YR	TYPE	YEAR IN SERV	CLASS CLAS CDE	PURCH' COST	ACCDEPN	A NET BOOK VALUE	B MONTHLY RENT	C PER MILE CHARGE
1111	X05185	00735763	BULLMOOSE	57	CRANEMOBILE	1957	95 B	12,962.00	34,038.75	(21,076.75)	450.00	
					NUMBER OF VEHICLES, THIS CLASS:	1						
1004	X05174	06114425	YALE	78	FORKLIFT 6000LB	1978	96 B	26,765.00	18,094.26	8,670.74	600.00	
1306			CLARK	78	FORKLIFT 8000LB CNG	1979	96 B	24,550.00	14,387.32	10,162.68	600.00	
					NUMBER OF VEHICLES, THIS CLASS:	2						
						***	380	6849596.58	3168444.44	3682143.94		

DATED: the 29th day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

AMENDED AND RESTATED
VEHICLE LEASE

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-H/MG/3-2

File No. 1166/9

BC Gas Inc.

3777 Lougheed Highway
Burnaby, British Columbia
V5C 3Y3

Telephone 293-8400
FAX 293-8749



21 November 1988

File: 126.1
1046.0

Mr. D. W. McPherson
Management Services
B. C. Hydro & Power Authority
970 Burrard Street
Vancouver, B.C.

Dear Mr. McPherson:

Re: Victoria Gas Services Agreement
made September 29, 1988 with
effect July 15, 1988

We refer to Section 7 of the captioned agreement. It has come to our attention that due to a typographical error, the termination date of the agreement is specified to be December 31, 1989. This letter is simply to confirm our mutual understanding that the termination date at all times was intended to be December 31, 1988.

Would you please endorse the enclosed copy of this letter and return it to the writer to confirm our agreement that the termination date contained in Section 7 of the agreement is to read December 31, 1988.

Yours very truly,

B.C. Gas Inc.

Per:

A handwritten signature in dark ink, appearing to be "L. R. Dear".

L. R. Dear, P. Eng.,
Manager, Contract Services

CONFIRMED AND AGREED this 24th day of November, 1988.

B.C. HYDRO & POWER AUTHORITY

Per:

A handwritten signature in dark ink, appearing to be "David Craig".

Manager Management Services
(title)

PA-76

VICTORIA GAS SERVICES AGREEMENT

THIS AGREEMENT made as of the 29th day of September, 1988, with effect as and from the 15th day of July, 1988.

BETWEEN:

B.C. GAS INC., a body corporate under the laws of the Province of British Columbia, having its registered office at 2800 - 595 Burrard Street, Vancouver, British Columbia, V7X 1J5

(the "Company")

OF THE FIRST PART

AND:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY, a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, R.S.B.C. 1979, c. 188

("Hydro")

OF THE SECOND PART

W H E R E A S:

A. By separate agreement (the "Asset Transfer Agreement"), made as of the 15th day of July, 1988 Hydro agreed to sell to the Company and the Company agreed to purchase from Hydro certain of the assets of its Mainland Gas Division, upon the terms more specifically set out therein;

B. For the purposes of this Agreement, all capitalized words herein shall have the same meaning given to those words in the Asset Transfer Agreement, unless otherwise defined herein; and

Hydro has requested that the Company perform the services described generally in Schedule "A" hereto and such other services as may be requested from time to time in connection with Hydro's operation of its Victoria Gas Division.

NOW THEREFORE THIS AGREEMENT WITNESSETH, that in consideration of the mutual covenants and agreements herein contained, the parties hereto mutually covenant and agree that:

1.0 SERVICES

1.01 Subject to the terms and conditions hereof the Company hereby agrees to provide the services described in Schedule "A" (the "Services") in the general manner and to the general level that have prevailed for the last two (2) years.

1.02 The Company shall provide the Services in a complete and timely manner during the term of this Agreement. The Services shall be provided by the Company to Hydro on the same basis as has prevailed for the last two (2) years with respect to the services provided by the Company with respect to its business.

2.0 OBLIGATIONS OF HYDRO

2.01 Hydro shall:

- (a) assist the Company by providing all available and necessary information that the Company will require to provide the Services;
- (b) give the Company prompt and sufficient notice of changes in priorities or programmes likely to affect materially the Services;

- (c) examine all requests, reports or other documents presented by the Company relating to the Services and promptly provide in writing decisions or general instructions pertaining thereto so as not to delay the provision of the Services; and
- (d) irrevocably grant for the term of this Agreement access to the Company, its employees and agents, at all reasonable times to the Assets for all necessary purposes relating to the provision of the Services.

2.02 Hydro will, when the circumstances so require and upon reasonable notice:

- (a) promptly as and when appropriate provide adequate direction to the Company which is required by the Company to perform the Services; and
- (b) promptly supply to the Company when requested by the Company:
 - (i) materials, equipment and supplies peculiar to the Business;
 - (ii) office and work space; and
 - (iii) clerical, technical and professional assistance.

3.0 PAYMENT

3.01 As consideration for the Services, Hydro will make payments to the Company of all amounts invoiced by the Company

within thirty (30) days following receipt of each monthly invoice, based on Schedule "A" to this Agreement.

3.02 Hydro will pay interest to the Company on any and all overdue amounts at the rate of interest of 1.5% per month (equivalent to 19.6% per annum compounded monthly) payable on invoice.

3.03 The Company will prepare and maintain records related to the Services which records will be open to audit examination by Hydro during regular business hours of the Company during the term of this Agreement and for a period of one (1) year after the termination of this Agreement.

4.0 DISCLOSURE

Except as provided for by law or otherwise by this Agreement, the parties will treat as confidential and will not, without the prior consent of the other publish, release, disclose or permit to be disclosed to any person or corporation, either before, during or after termination of this Agreement the information supplied to, obtained by, or which comes to the knowledge of the other party as a result of this Agreement and will use that information only for the purposes of this Agreement.

5.0 LIABILITY AND INDEMNITY

5.01 The Company, its employees or agents, will not be liable for any injury including death to the person of any employee or agent of Hydro or for the loss of or damage to the property of Hydro, or any of the employees or agents of Hydro, that is caused in any way by the Company's performance of the Services under this Agreement unless the injury, loss, or damage is caused by a

grossly negligent act or omission of an employee or agent of the Company while acting within the scope of his employment with the Company.

5.02 The Company, its employees or agents, will not be liable to Hydro for any loss of revenue or profits or other indirect, consequential or financial loss that is caused in any way by the Company's performance of the Services under this Agreement, whether such loss is caused by an act or omission of the Company, its employees or agents, later found to be negligent or otherwise.

5.03 Subject to the Financial Administration Act S.B.C. 1981, c. 15, as amended, and the Hydro and Power Authority Act R.S.B.C. 1979, c. 188, as amended and the regulations thereunder, Hydro will at all times indemnify and save harmless the Company, its employees and agents from and against all claims, demands, losses, costs, damages, actions, suits or other proceedings made, sustained, brought or prosecuted that are based upon, or caused in any way by act or omission by any of the employees or agents of the Company in connection with the Services performed, purportedly performed or required to be performed by the Company under this Agreement unless such act or omission was grossly negligent.

6.0 SUSPENSION

If as a result of any emergency or force beyond the reasonable control of either party herein or strike, lockout or other such disturbance of either party (the "Force Majeure"), either party is or was wholly or partly unable because of the Force Majeure, to perform an obligation arising from this Agreement and claims that a Force Majeure is occurring or has occurred and reasonably establishes that fact, then the performance of the obligation shall be deemed to be suspended provided always that:

- (a) the suspension shall be of no greater scope and no longer duration than the Force Majeure,
- (b) the non-performing party shall make its best efforts to counter the Force Majeure or to otherwise remedy its inability to perform the obligation,
- (c) a performance required at a time other than when the Force Majeure is occurring shall not be excused by the Force Majeure,
- (d) an obligation to make a payment when due shall not be excused by the Force Majeure, and
- (e) the fixed monthly payments as provided in Schedule "A" shall not be excused by virtue of a Force Majeure on the part of Hydro but shall be excused, in whole or in part, to the extent that a Service or part thereof is not provided by the Company because of a Force Majeure on the part of the Company.

7.0 TERM

This Agreement shall commence on July 16, 1988 and shall terminate and be of no further force or effect on December 31, 1989. Hydro and the Company may renew this Agreement any number of times on a month-to-month basis on mutually agreeable terms. Unless either Hydro or the Company notifies the other in writing at least thirty days prior to the expiration of the then current term, of its intention not to renew, this Agreement will be automatically renewed for each such additional one month period on the same terms and conditions herein contained unless otherwise amended by mutual agreement of the parties.

8.0 DISPUTE LIMITATION

8.01 Subject to 8.02, a party shall not commence any legal proceedings against the other party in respect to the interpretation or enforcement of this Agreement unless and until it has first taken all reasonable steps to resolve the matter in issue with the other party, and included in such reasonable steps is the right of a party to submit any dispute, with the other party, arising out of this Agreement to a single arbitrator in accordance with the provisions of the Commercial Arbitration Act or any re-enactment or amendment thereof.

8.02 Any dispute between the parties under this Agreement, shall be referred first to two arbitrators, one a representative of the Company and the other a representative of Hydro, and failing final resolution of the matter within thirty (30) days from such reference, the parties agree to submit the matter to arbitration in accordance with the Commercial Arbitration Act.

8.03 Notwithstanding any statutory limitation to the contrary, a party shall not commence any action, arbitration or other proceeding between the parties after the expiry of a period of two (2) years after the Services were provided.

9.0 AMENDMENTS

 If at any time during this Agreement the parties consider it necessary or expedient to make any amendment, alteration, deletion or addition to this Agreement they may do so by means of a written agreement between them which will be supplemental to this Agreement and thereafter will form part of this Agreement.

10.0 GENERAL

10.01 This Agreement embodies the entire agreement of the parties regarding this subject matter and no understandings or agreements, oral or otherwise, exist between the parties except as expressly set out in this Agreement.

10.02 Any notice, report or other document that either party may be required or may desire to give to the other shall be in writing, unless otherwise provided for, and will be deemed to be validly given to and received by the addressee, if served personally, on the date of such personal service or, if delivered by mail, telex, or facsimile copier, when received.

(a) if to Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

Attention: Comptroller

(b) if to the Company:

B.C. Gas Inc.
#2300, 1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: Secretary

or such other address as either party may from time to time designate by notice in writing to the other.

10.03 The parties will do such reasonable acts and things and execute and deliver such further and other documents and

assurances as may be reasonably required for the purposes of carrying out the true meaning and intent of this Agreement.

10.04 The Schedules attached to this Agreement are an integral part of the Agreement as if set out at length in the body of the Agreement.

10.05 The headings or captions appearing in this Agreement are inserted for ease of reference only and shall have no effect on the construction or interpretation of this Agreement.

10.06 This Agreement will enure to the benefit of and be binding upon the heirs, executors, administrators, successors and assigns of the parties.

IN WITNESS WHEREOF the parties have executed this Agreement as of the day and year first above written.

The Common Seal of B.C. GAS)
INC. was hereunto affixed)
in the presence of:)


Authorized Signatory)

c/s

The Common Seal of)
BRITISH COLUMBIA HYDRO AND)
POWER AUTHORITY)
was hereunto affixed in the)
presence of:)


Authorized Signatory)

c/s

**VICTORIA GAS
SCHEDULE "A"
SERVICES**

The list of services and the description of the Services given below is general only and not exhaustive and is subject to the Agreement.

<u>List of Services</u>	<u>General Description</u>	<u>Monthly Fee</u>
1. Management	General Management	\$ 3,000
2. Gas Supply	Propane tender selection and delivery. Marketing, regulatory and tariff matters.	\$ 3,000
3. Gas Engineering	Measurement services, design and technical support.	\$11,500
4. Financial	Staff and system support in the various Business Management Systems such as ODMS, Code of Accounts, Salary Time System, Wage Time System, Responsibility Reporting System, etc. Maintenance and control of the Work Management System including setting up jobs in compatible units and closing jobs to PRU. Maintenance of Customer Services Activity Codes. Preparation of annual plan and analysis for variance review. Coordination of account reconciliation. Preparation of activity statistics. Providing ongoing financial/ consulting services for all aspects of accounting functions, including routine processing of documents relating to Plant, Financial and Management Accounting activities.	\$ 6,100

<u>List of Services</u>	<u>General Description</u>	<u>Monthly Fee</u>
5. Administration	Stores management, computer services including maintaining Victoria switch system.	\$ 4,900
6. Personnel	Job evaluation, labour relations, personnel data management and salary changes.	\$ 1,600
7. Office of President	Travel and miscellaneous costs.	\$ 1,900
8. Project Work	Engineering design, onsite training and safety.	Base salary x 2.5

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

OFFICE OF THE CHAIRMAN

970 BURREARD STREET

VANCOUVER, B. C.

V6Z 1Y3

30 September 1988

B.C. Gas Inc.
1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Inland Natural Gas Co. Ltd.
3777 Lougheed Highway
Burnaby, B.C.
V5C 3Y3

Attention: R.E. Kadlec, President
and Chief Executive Officer

Dear Sirs:

We refer to the Share Purchase Agreement ("Share Purchase Agreement") entered into and dated July 20, 1988 as amended relating to the purchase by Inland Natural Gas Co. Ltd. ("Inland") from the Province of British Columbia of all the shares of B.C. Gas Inc. (the "Company"), being the company which owns and operates the gas utility it recently acquired from us ("Hydro") pursuant to the Asset Transfer Agreement ("Asset Transfer Agreement") dated and entered into July 15, 1988 as amended.

In consideration of Inland entering into the Share Purchase Agreement and completing the purchase and sale of the Shares, Hydro covenants and agrees to release its rights to certain communication frequencies and licences in order that such frequencies and licences (both for fixed and mobile stations) can be transferred or issued to the Company for the sale and efficient operation of its gas utility business. The licences and frequencies are as listed and described on Schedule "A" attached to this letter.

Further, Hydro covenants and agrees to provide all cooperation and assistance to the Company in order for it to obtain

the aforementioned frequencies and licences from the governmental authority having jurisdiction over the licences and frequencies.

If you are in agreement with the foregoing, please sign and return to us the enclosed duplicate copy of this letter.

Yours truly,



L. I. Bell
Chairman

The foregoing is agreed to by us:

INLAND NATURAL GAS CO. LTD.

Per:


R.E. KADLEC, PRESIDENT &
CHIEF EXECUTIVE OFFICER

B.C. GAS INC.

Per:


R.E. KADLEC, PRESIDENT &
CHIEF EXECUTIVE OFFICER

SCHEDULE "A"

To the Letter dated September 30, 1988
Between B.C. Hydro and Power Authority,
B.C. Gas Inc. and Inland Natural Gas Co. Ltd.
Regarding Certain Communication Frequencies and Licences

FREQUENCIES

<u>Transmit</u> (MHz)	<u>Receive</u> (MHz)
149.410	149.410
150.125	149.410
149.470	149.470
150.185	149.470
149.560	149.560
149.320	149.320
467.3625	462.3625
467.3875	462.3875
467.4375	462.4375
467.4625	462.4625
467.4875	462.4875
467.5125	462.5125

FIXED STATION RADIO LICENCES

<u>Licence Number</u>	<u>Call Sign</u>
118-0002949	CJN712
118-0404963	XOK437
118-0652938	XOK576
118-3029749	XOK821
118-0003026	XOL24
112-002974	CJQ61
112-0652924	XOK581
112-0654512	XOK584
112-2486969	XOA544
112-0634565	XOK568

MOBILE & PORTABLE RADIO LICENCES
METRO

<u>Licence Number</u>	<u>Call Sign</u>
112-0603362	PBL00507
112-0603361	PBL00508
112-0715661	PBL00509
112-0715672	PBL00510
112-0715674	PBL00511
112-0715671	PBL00526
112-0764736	PBL00527
112-0764740	PBL00528
112-2075521	PBL00599
112-0405229	PBL00670

112-2075522	PBL00671
112-0405230	PBL00672
112-2075518	PBL00673
112-2075520	PBL00674
112-2075519	PBL00675
112-2075514	PBL00676
112-2075527	PBL00677
112-0405231	PBL00678
112-0405232	PBL00679
112-2075517	PBL00680
112-0405233	PBL00681
112-2075516	PBL00682
112-2075515	PBL00683
112-0764743	PBL00816
112-0405234	PBL00817
112-0411140	PBL00855
112-0405235	PBL00858
112-2075523	PBL00859
112-0405236	PBL00860
112-0764742	PBL00861
112-0764741	PBL01410
112-0715673	PBL01411
112-0405237	PBL01418
112-0764738	PBL06126
112-0715658	PBL06137
112-0715659	PBL06138

112-0715660	PBL06139
112-0764739	PBL06140
112-0715662	PBL06141
112-0715633	PBL06142
112-0715664	PBL06143
112-0715665	PBL06144
112-0715666	PBL06145
112-0715667	PBL06146
112-0715668	PBL06147
112-0715669	PBL06148
112-0715670	PBL06149
112-0603358	PBL06150
112-0603359	PBL06151
112-0603360	PBL06152
112-0764734	PBL06153
112-0764735	PBL06154
112-0603363	PBL06155
112-0603364	PBL06156
112-0980302	PBL06157
112-0980303	PBL06158
112-2075526	PBL06161
112-2075513	PBL06162
112-3108995	VHF198W
112-3109015	VHF2502
112-3109051	VHF4970
112-3110101	VHF6148

112-3110195	VHF5150
112-3110197	VHF4547
112-3110203	VHF6149
112-3110205	VHF6150
112-3110207	VHF6154
112-3110209	VHF6159
112-3110211	VHF6160
112-3110213	VHF6163
112-3110215	VHF6165
112-3110245	VHF6404
112-3110247	VHF4982
112-3110249	VHF2499
112-3110251	VHF2500
112-3110253	VHF2501
112-3110255	VHF2503
112-3110257	VHF4986
112-3110265	VHF189W
112-3110267	VHF192W
112-3110269	VHF195W
112-3110271	VHF201W
112-3110273	VHF203W
112-3110275	VHF204W
112-3110277	VHF207W
112-3110279	VHF209W
112-3110281	VHF210W
112-3110283	VHF211W

112-3110285	VHF212W
112-3110287	VHF298W
112-3110289	VHF4989
112-3110293	VHF358X
112-3110295	VHF378X
112-3110297	VHF512B
112-3110299	VHF381X
112-3110301	VHF387X
112-3110303	VHF389X
112-3110305	VHF391X
112-3110307	VHF2214
112-3110309	VHF4971
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112-3110347	VHF4284
112-3110349	VHF4292
112-3110351	VHF4300
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112-3310361	VHF4366
112-3310363	VHF4367
112-3110365	VHF4374
112-3110367	VHF4676
112-3110371	VHF6379
112-3110373	VHF4790
112-3110377	VHF4802
112-3110379	VHF4804
112-3110381	VHF4826
112-3110383	VHF4833
112-3110385	VHF4838
112-3110387	VHF4839
112-3110389	VHF4840
112-3110391	VHF4841
112-3110393	VHF4842
112-3110395	VHF4843

112-3110397	VHF4844
112-3110399	VHF4845
112-3110401	VHF4851
112-3110343	VHF4852
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112-3110407	VHF4855
112-3110409	VHF4856
112-3110411	VHF4869
112-3110413	VHF5244
112-3110415	VHF5299
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112-3110421	VHF5523
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112-3110425	VHF5349
112-3110427	VHF5350
112-3110429	VHF5353
112-3110431	VHF5356
112-3110433	VHF5424
112-3110435	VHF5425
112-3110437	VHF5426
112-3110439	VHF5427
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112-3111053	VHF5095
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112-3111073	VHF6126
112-3111075	VHF6133
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FRASER VALLEY GAS

112-3110375	VHF5166
112-3110469	VHF6566
112-3111103	VHF5242
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112-3111139	VHF6162
112-3111141	VHF4368
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112-3111283	VHF5241
112-3111285	VHF5240
112-3111287	VHF5239
112-3111289	VHF5238
112-3111291	VHF5236

112-3111293	VHF5235
112-3111295	VHF5234
112-3111297	VHF5233
112-3111299	VHF6182
112-3111301	VHF5129
112-3111303	VHF6181
112-3111305	VHF4950
112-3111307	VHF5245
112-3111309	VHF5308
112-3111311	VHF5246
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112-3111315	VHF5342
112-3111317	VHF5355
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112-3111325	VHF6184
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112-3111341	VHF5638

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112-3111359	VHF5924
112-3111361	VHF5130
112-3111363	VHF6183
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BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

OFFICE OF THE CHAIRMAN

970 BURREARD STREET

VANCOUVER, B. C.

V6Z 1Y3

20 July 1988

74280 B.C. Ltd.
3777 Lougheed Highway
Burnaby, B.C.
V5C 3Y3

Attention: J.P. Sheehan, Director
F.J. Klassen, Director

Dear Sirs:

We refer to the Share Purchase Agreement ("Share Purchase Agreement") entered into and dated today relating to the purchase by Inland Natural Gas Co. Ltd. from the Province of British Columbia of all the shares of 74280 B.C. Ltd. (the "Company"), being the company which owns and operates the gas utility business (the "Business") it recently acquired from us ("Hydro") pursuant to the Asset Transfer Agreement ("Asset Transfer Agreement") dated and entered into July 15, 1988 between Hydro and the Company.

This letter is written to confirm our agreement concerning the ongoing relationship between Hydro and the Company and is made in consideration of the parties entering into the Share Purchase Agreement:

- (a) it is recognized that Hydro and the Company operate businesses which are or may be competitive and that certain rights, obligations and related remedies have been provided for in those various services and operating agreements and any amendments (the "Related Operating Agreements") entered into between Hydro and the Company pursuant to the Asset Transfer Agreement relating to the operation of the Business and the assets;
- (b) Hydro and the Company each agree to act in good faith with respect to their ongoing relationship and the exercise of their respective rights and remedies under the Related Operating Agreements, strictly and solely for the purposes of preserving or assuring to the enforcing party the full benefits of its rights and remedies thereunder but not for the purpose of gaining

competitive advantage in the business and operations of the other or for any other improper purpose.

If you are in agreement with the foregoing, please sign and return to us the enclosed duplicate copy of this letter.

Yours truly,

A handwritten signature in black ink, appearing to read 'L. I. Bell', written over a horizontal line.

L. I. Bell
Chairman

The foregoing is agreed to by us:

74280 B.C. LTD.

Per: F.J. KLASSEN, DIRECTOR

PB-7

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

OFFICE OF THE CHAIRMAN

970 BURNARD STREET

VANCOUVER, B. C.

V6Z 1Y3

30 September 1988

B.C. Gas Inc.
1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Inland Natural Gas Co. Ltd.
1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: R.E. Kadlec
President & Chief Executive Officer

Dear Sirs:

We refer to the Share Purchase Agreement entered into and dated July 20, 1988 as amended ("Share Purchase Agreement") relating to the purchase by Inland Natural Gas Co. Ltd. ("Inland") from the Province of British Columbia of all the shares (the "Shares") of B.C. Gas Inc. (the "Company"), being the company which owns and operates the gas utility business it recently acquired from us ("Hydro") pursuant to the Asset Transfer Agreement ("Asset Transfer Agreement") dated and entered into July 15, 1988 between Hydro and the Company as amended.

In consideration of Inland entering into the Share Purchase Agreement and completing the purchase and sale of the Shares, Hydro covenants and agrees that:

- (a) the executives in the Management Committee of Hydro have no specific knowledge of hazardous substances or wastes, other than those revealed to the Company, the title to or responsibility for which may have transferred or reverted to the Company upon completion of the Asset Transfer Agreement;
- (b) in the event that any problems arise because of hazardous substances or wastes, other than asbestos, later discovered

- 2 -

to have been present in or on land or assets at the time of their transfer from Hydro to the Company or at the time of closing of the Share Purchase Agreement, Hydro agrees to share equally with the Company all reasonable costs and expenses incurred by the Company in connection with all investigations, clean-up, excavation, removal, transportation and disposal of all such hazardous substances or wastes other than asbestos, as may be necessary in order to eliminate any potential threat to public health or of exposure to, contamination of, or other adverse effect on the environment or any of the Assets.

- (c) notwithstanding (b), if during the course of the recently announced inspection program initiated by the Provincial Government relating to polychlorinated biphenyls ("PCBs"), any PCB's are discovered to be present in or on the land or assets of the Company, Hydro agrees to pay all of the costs referred to in (b) above without contribution by the Company.

If you are in agreement with the foregoing, please sign and return to us the enclosed duplicate copy of this letter.

Yours truly,

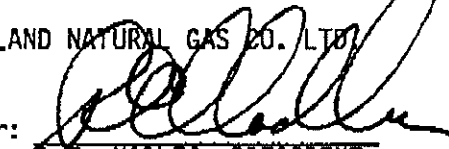


L. I. Bell
Chairman

The foregoing is agreed to by us

INLAND NATURAL GAS CO. LTD.

Per:


R.E. KADLEC, PRESIDENT
& CHIEF EXECUTIVE OFFICER

B.C. GAS INC.

Per:


R.E. KADLEC, PRESIDENT
& CHIEF EXECUTIVE OFFICER

PB-6

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY

July 20, 1988

74280 B.C. Ltd.
3777 Lougheed Highway
Burnaby, B.C.
V5C 3Y3

Attention: J.P. Sheehan, Director
F.J. Klassen, Director

Dear Sirs:

We refer to the share purchase agreement ("Share Purchase Agreement") entered into and dated today relating to the purchase by Inland Natural Gas Co. Ltd. from the Province of British Columbia of all the shares of 74280 B.C. Ltd. (the "Company"), being the company which owns and operates the gas utility business (the "Business") it recently acquired from us ("Hydro") pursuant to the asset transfer agreement ("Asset Transfer Agreement") dated and entered into July 15, 1988 between Hydro and the Company.

This letter is written to confirm our agreement concerning the ongoing relationship between Hydro and the Company, is made in consideration of the parties entering into the Share Purchase Agreement, that in the event that those portions of the Hydro Electric Operations which are shared or connected to the operations of the Company are sold to an agency other than a Crown agency, then the parties hereto agree to renegotiate the provisions of the Real Property Operating Agreement dated and entered into July 15, 1988 between Hydro and the Company, in order to remove any provisions therein which may by their nature create an inequality of rights and obligations between the parties thereto, to the largest extent possible.

- 2 -

If you are in agreement with the foregoing, please sign and return to us the enclosed duplicate copy of this letter.

Yours very truly,

BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY

Per: 

74280 B.C. LTD.

Per: 

J.P. SHEEHAN, DIRECTOR

Per: 

F.C. KLASSEN, DIRECTOR

ERIP AGREEMENT

WHEREAS:

A. Pursuant to an asset transfer agreement (the "Asset Transfer Agreement") dated as of July 15, 1988 between British Columbia Hydro and Power Authority ("Hydro") and B.C. Gas Inc. (formerly 74280 B.C. Ltd.) ("B.C. Gas") as supplemented by agreement made as of September 30, 1988, Hydro is selling and B.C. Gas is purchasing the assets of the Mainland Gas division of Hydro.

B. Pursuant to an order in council dated September 29, 1988 under Section 24 of the Hydro and Power Authority Privatization Act (the "Privatization Act") certain employees, specified therein, of Hydro are being transferred to B.C. Gas (the "Employees").

C. Hydro has prior to September 30, 1988 offered to certain of the Employees, the right to elect to take an early retirement incentive plan ("ERIP") at the cost of Hydro.

NOW THEREFORE THIS AGREEMENT WITNESSETH that in consideration of the payment of \$1.00 and other good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, Hydro agrees that if certain of the Employees elect to accept the ERIP after the date of their transfer to B.C. Gas, Hydro will accept a transfer back of those employees, and those employees shall until retirement be considered to be employees of Hydro as if they had never been transferred to B.C. Gas.

DATED this 30th day of September, 1988.

BRITISH COLUMBIA HYDRO
& POWER AUTHORITY

Per: 

1236H

B.C. GAS INC.


Per: 

TERMINATION OF AGREEMENT


THE UNDERSIGNED, hereby covenant and agree to terminate, effective September 30, 1988, the Employee Service Agreement made as of the 15th day of July, 1988, as amended and restated by agreement made as of the 29th day of September, 1988, between British Columbia Hydro and Power Authority and B.C. Gas Inc. and it shall be of no further force and effect.

IN WITNESS WHEREOF the undersigned have duly executed this Agreement as of the 29th day of September, 1988.

The Common Seal of B.C. HYDRO)
AND POWER AUTHORITY was)
hereunto affixed in the)
presence of:)


Authorized Signatory

The Common Seal of B.C. GAS)
INC. was hereunto affixed in)
the presence of:)


Authorized Signatory

T A X A G R E E M E N T

THIS AGREEMENT made the 30th day of September, 1988.

BETWEEN:

**HER MAJESTY THE QUEEN IN RIGHT OF THE PROVINCE OF
BRITISH COLUMBIA** represented by the Minister of
Finance and Corporate Relations
(the "Vendor")

OF THE FIRST PART

AND:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY, a Crown
Corporation established pursuant to an Act of the
Province of British Columbia and continued under the
Hydro and Power Authority Act, R.S.B.C. 1979,
Chapter 188, as amended ("Hydro")

OF THE SECOND PART

AND:

INLAND NATURAL GAS CO. LTD., a body corporate under
the laws of the Province of British Columbia
(the "Purchaser")

OF THE THIRD PART

AND:

B.C. GAS INC., a body corporate under the laws of
the Province of British Columbia
("B.C. Gas")

OF THE FOURTH PART

W H E R E A S:

- A. Pursuant to the Asset Transfer Agreement B.C. Gas agreed to
pay certain amounts to Hydro in respect of the net present
value at October 1, 1988 of certain taxes;

- B. Pursuant to the Share Purchase Agreement the Purchaser agreed to purchase and the Vendor agreed to sell all of the shares of B.C. Gas;
- C. Pursuant to Article 3.05 of the Share Purchase Agreement the Vendor and Purchaser agreed to enter into an agreement setting out the manner in which the tax of B.C. Gas will be calculated for purposes of the obligations referred to in recital A;

NOW THEREFORE THIS AGREEMENT WITNESSES that in consideration of the premises and the mutual covenants, agreements and warranties hereinafter set forth, each of the parties covenant and agree as follows:

1.0 TERMS

1.01 Definitions

In this Agreement:

- (a) **"Associate"** means a company which is associated with B.C. Gas or a Successor for purposes of the Federal Act;
- (b) **"B.C. Act"** means the Income Tax Act R.S.B.C. 1979, c.190 as amended;

(c) **"Business"** means the Gas Business and any New Business;

(d) **"Business Income Tax"** of any person in respect of a fiscal period means his taxes payable pursuant to the B.C. Act or Part I of the Federal Act, applicable to the relevant time, in respect of his Income for the period computed on the assumptions that:

(i) in computing Income, he had no Income at any time other than Income from the Business and his Loss did not include any Loss from the Inland Business;

(ii) in computing taxable income or tax payable, subject to clause (iii), he was required to deduct the full amount permitted in respect of all deductions, credits or allowances arising out of any source other than his investment in or conduct of the Inland Business; and

(iii) notwithstanding clause (ii), where he establishes that increasing Tax Paid is not the primary reason for not deducting the full amount required by clause (ii) in respect of any particular deduction, credit, or

allowance, the amount deducted in respect thereof was the amount deducted for purposes of the Federal Act or B.C. Act or such other amount as is reasonable in the circumstances;

- (e) **"Canadian Exploration Expenses"** means Canadian exploration expenses as defined for purposes of the Federal Act, incurred prior to the Closing Date by the Purchaser or by Inland Gas and Oil Co. Ltd. and subsequently renounced in favour of the Purchaser, not exceeding in the aggregate \$9,500,000.00 or such lesser amount as is verified to have been so incurred by a declaration in writing of the Purchaser's auditors delivered to the Vendor not later than 60 days following the Closing Date;
- (f) **"Corporate Tax Rate"** means the rate, expressed as a percentage, that the amount of tax imposed by the B.C. Act and 95% of the amount of tax imposed by Part I of the Federal Act from time to time on the taxable income of B.C. Gas or its Successor is of that taxable income;

- (g) **"Cumulative Canadian Exploration Expense"** means cumulative Canadian exploration expense of the Purchaser as defined for purposes of the Federal Act and computed as at the end of the last taxation year of the Purchaser ending before the Merger on the assumption that the only Canadian exploration expenses included in such definition were the Canadian Exploration Expenses;
- (h) **"Federal Act"** means the Income Tax Act R.S.C. 1952, c.148 as amended;
- (i) **"Force Majeure"** means any act of God, sabotage, wars, insurrections, riots, landslides, lightning, earthquakes, floods, storms, fires, washouts, explosions, breakages, or accidents to machinery or pipelines, hydrate obstructions of pipelines or appurtenances thereto, temporary failure of gas supply, freezing of wells or delivery facilities, well blowouts or cratering which are not within the control of the party claiming force majeure and which by the exercise of due diligence such party is unable to prevent or overcome;
- (j) **"Gas Business"** means the business of distributing natural

gas and otherwise using or operating a natural gas distribution and transmission system in the Lower Mainland and Fraser Valley areas of British Columbia as carried on by B.C. Gas on the Closing Date and any extension or expansion of that business within British Columbia, except that if such extension or expansion results from the acquisition in any manner of any other business which was carried on in British Columbia by any person in whole or in part on or before the Closing Date, the Gas Business shall not include that business except to the extent of an extension or expansion of the same; and the Gas Business shall not include any part of the Inland Business;

- (k) **"Income"** or **"Loss"** of any person means his income or loss, as the case may be, computed pursuant to the Federal Act, as it applies at the relevant time, and except as hereinafter provided in clauses (i) or (ii), on the assumption that all amounts permitted to be deducted in computing income or loss, were required to be deducted to the maximum extent permitted under the Federal Act; provided that such assumption shall not apply:

- (i) to any particular deduction, credit or allowance where it is established by the

Purchaser that increasing Tax Paid is not the primary reason for not deducting such deduction, credit or allowance to the extent required by such assumption and such amounts shall be deducted only to the extent of the amount deducted for purposes of the Federal Act or such other amount as is reasonable in the circumstances; and

(ii) in computing Income from the Inland Business for any fiscal period following the period in which the aggregate of Inland Business Tax paid as required by subparagraph 2.02 (c) exceeds the product referred to in clause 2.02 (c)(i);

and on the further assumption that Cumulative Canadian Exploration Expense were deducted firstly in computing income from the Inland Business to the extent permitted by the Federal Act;

- (1) **"Inland Business"** means the business or other activities of the Purchaser, Columbia Natural Gas Ltd., Squamish Gas Co. Ltd., Fort Nelson Gas Ltd.,

or Inland Gas & Oil Co. Ltd. as conducted immediately prior to the Merger Date, any expansion or extension of the business, other than an expansion or extension which could not have been undertaken but for the purchase referred to in recital B, and any Specified Project;

(m) **"Inland Business Tax"** of any person in respect of a fiscal period means his taxes payable pursuant to the B.C. Act or Part I of the Federal Act, as those acts apply at the relevant time, in respect of Income for the period computed on the assumptions that:

(i) he had no Income other than Income from the Inland Business;

(ii) in computing taxable income or tax payable, subject to clauses (iii) and (iv), he was required to deduct the full amount permitted in respect of all deductions, credits or allowances arising out of his investment in or conduct of the Inland Business;

(iii) notwithstanding clause (ii), where he establishes that increasing Tax Paid is not the primary reason for

not deducting the full amount required by clause (ii) in respect of any particular deduction, credit, or allowance, the amount deducted in respect thereof was the amount deducted for purposes of the Federal Act or B.C. Act or such other amount as is reasonable in the circumstances; and

(iv) the provisions of clause (ii), shall not apply in computing taxable income or tax payable in respect of the Inland Business for any fiscal period following the period in which the aggregate of Inland Business Tax paid as required by subparagraph 2.02 (c) exceeds the product referred to in clause 2.02 (c)(i);

(n) **"Merger"** means the merger of the Purchaser and B.C. Gas;

(o) **"Merger Date"** means the date on which the Merger is completed.

(p) **"New Business"** means a business other than the Inland Business, related to the Gas Business, including a business not regulated by the British Columbia Utilities Commission and including any extension or expansion of the Inland Business which could not have been undertaken

but for the purchase referred to in recital B herein and carried on by B.C. Gas, a Successor, or Associate after the Closing Date other than a business which was carried on by any person in whole or in part on or before the Closing Date except to the extent of any extension or expansion within British Columbia of that business;

- (q) **"Part VI.1 Tax"** means tax paid by B.C. Gas, or a Successor, pursuant to Part VI.1 of the Federal Act for a taxation year throughout which it carried on the Gas Business, in respect of dividends on preferred shares issued to finance the purchase of the Assets pursuant to the Asset Transfer Agreement;
- (r) **"Share Purchase Agreement"** means the agreement entered into between the Vendor, the Purchaser, Hydro and B.C. Gas as of the 20th day of July, 1988;
- (s) **"Specified Project"** means any project described in Schedule A to this Agreement;
- (t) **"Successor"** means any person other than B.C. Gas who carries on the Gas Business; and

(u) **"Tax Period"** in respect of any person means the period of time commencing October 1, 1988 and ending at the end of the last fiscal period of that person ending on or before March 31, 1994 or such later date as determined under Article 5.

1.02 Share Purchase Agreement Definitions

Unless otherwise defined herein, capitalized words used herein shall have the meanings defined in the Share Purchase Agreement.

2.0 CALCULATION OF INCOME TAX PAID

2.01 Income Tax Paid

For the purposes of Article 5.02(c) of the Asset Transfer Agreement, "income tax paid by the Purchaser" ("Tax Paid") shall be calculated in accordance with the terms of this Agreement.

2.02 Income from the Business

Tax Paid shall include only:

(a) Business Income Tax which is:

(i) paid by B.C. Gas, a Successor,

or Associate in respect of a fiscal period ending in the Tax Period;

(ii) paid pursuant to the B.C. Act or paid to the Government of Canada pursuant to the Federal Act and subsequently remitted to the Province pursuant to the Public Utilities Income Tax Transfer Act (Canada) or any other statute or agreement under which Federal income tax is remitted by the Government of Canada to the Province; and

(iii) paid to the Receiver General for Canada on or before October 1, 1994 and not refunded on or before that date nor the subject of any objection, appeal or dispute at that date;

(b) Part VI.1 Tax paid by B.C. Gas, or a Successor, in the Tax Period and remitted to the Province and not refunded on or

before October 1, 1994 nor the subject of any objection, appeal or dispute at that date other than any such tax that gives rise to a deduction in computing taxable income for purposes of the Federal Act of any person other than the person who paid it;

(c) Inland Business Tax which is:

(i) paid in the Tax Period and following the Merger Date by the corporation resulting from the Merger in respect of a fiscal period ending in the Tax Period to the extent that the amount so paid does not exceed an amount equal to the product obtained by multiplying the Corporate Tax Rate as at the date of payment by the amount of the Purchaser's Cumulative Canadian Exploration Expense which is deducted in computing Income from the Business for the fiscal period;

(ii) paid pursuant to the B.C. Act or paid to the Government of Canada

pursuant to the Federal Act and subsequently remitted to the Province pursuant to the Public Utilities Income Tax Transfer Act (Canada) or any other statute or agreement under which Federal income tax is remitted by the Government of Canada to the Province; and

(iii) paid to the Receiver General for Canada on or before October 1, 1994 and not refunded on or before that date nor the subject of any objection, appeal or dispute at that date;

2.03 Time of Payment

For purposes of determining the time of payment of any amount referred to in subparagraphs 2.02(a) and (c) those amounts shall be deemed to be paid at the same rate as the rate at which the payor's actual income tax for the period was paid.

2.04 Subsequent Reassessments

If the amount of any Tax Paid is altered, after

delivery of the calculation pursuant to paragraph 4.01, by any assessment, reassessment or redetermination which has become final and binding by the exhaustion of all rights of appeal or by the expiry of the time limited for appeal, then forthwith thereafter Tax Paid and the amount payable pursuant to paragraphs 5.01(e) and 5.02(c) of the Asset Transfer Agreement shall be recalculated.

accordingly as if the date referred to in clauses 2.02 (a)(iii), 2.02 (c)(iii) and subparagraph 2.02 (b) were read as the date of recalculation; and any difference between the amount so payable and the amount previously paid shall be adjusted between the parties and paid forthwith together with interest thereon to the date of payment calculated on the basis set out in the Asset Transfer Agreement.

3.0 ANTI-AVOIDANCE

3.01 Avoidance Transaction

For purposes of this Agreement an "Avoidance Transaction" means any transaction which results in an increase of Tax Paid unless it is established by the Purchaser that the transaction was not undertaken primarily for the purpose of increasing Tax Paid.

3.02 Avoidance Transactions Negated

For purposes of this Agreement the tax consequences to B.C. Gas, a Successor, or Associate of any transaction which is an Avoidance Transaction shall be determined to be such consequences as are reasonable in the circumstances in order to negate any increase in Tax Paid that would otherwise result from that transaction or any series of transactions that includes that transaction.

4.0 BOOKS AND RECORDS

4.01 Prior to October 1, 1994 the Purchaser shall prepare and deliver to the Vendor, the Purchaser's calculation of Tax Paid and the amount payable pursuant to paragraphs 5.01(e) and 5.02(c) of the Asset Transfer Agreement together with copies of the Purchaser's working papers in support of that calculation.

4.02 Any authorized representative of the Vendor shall have the right upon thirty days notice in writing given at any time after delivery of the calculation referred to in paragraph 4.01, to examine at all reasonable times thereafter and before January 1, 1996 or within the six month period following any assessment, reassessment, or determination referred to in paragraph 2.04, the books and records of B.C. Gas, any Successor, or Associate and any document of such person that

relates to such books or records or to the computation of Tax Paid.

4.03 Any authorized representative of the Vendor shall also have the right to examine at all reasonable times after the Closing Date and prior to expiry of the latest date referred to in paragraph 4.02, any income tax return of the Purchaser, B.C. Gas, a Successor or Associate which may be relevant in computing Tax Paid and forthwith following the filing of any such return of B.C. Gas or a Successor, the Purchaser shall deliver to the Vendor the Purchaser's estimate of Tax Paid as at the end of the fiscal period to which the return relates, together with any working papers prepared in support of that estimate.

4.04 If any Successor or Associate is not a party to or bound by this Agreement the parties shall cause that Successor or Associate to permit the examinations contemplated by this Article 4.

4.05 The Purchaser and B.C. Gas shall and shall cause any Successor or Associate to deliver to the Vendor forthwith following receipt of the same a copy of any notice of assessment, reassessment or redetermination affecting the calculation of Tax Paid.

5.0 EXTENSION OF TAX PERIOD

5.01 In the event that the supply of natural gas to B.C. Gas or its Successor is interrupted by Force Majeure such that the volume of gas which would otherwise have been supplied during the number of days the Force Majeure is in effect is reduced by more than 25%, the Tax Period will be extended by the period of time throughout which the Force Majeure is in effect.

5.02 B.C. Gas and its Successors shall use their best efforts to counter any Force Majeure or otherwise restore or replace the supply of natural gas described in paragraph 5.01.

6.0 ARBITRATION

6.01 In the event that any dispute or difference shall at any time arise or exist between the parties hereto touching or concerning this Agreement then in each case the dispute or difference shall be deemed to be a submission to arbitration upon the written request of either party. In the event of such request, the parties shall endeavour to agree on a single arbitrator within ten (10) days of the date of such request and if so agreed, the decision of the single arbitrator shall be final and binding on the parties hereto. If the parties cannot agree upon a single arbitrator, either party may apply to a judge of the Supreme Court of British Columbia to have a

member of the Law Society of British Columbia having experience in income tax matters appointed as such arbitrator. Except as herein otherwise provided, the provisions respecting arbitrations contained in the Commercial Arbitration Act of British Columbia from time to time in force shall apply.

7.0 SUCCESSORS AND ASSIGNS

7.01 This Agreement shall be binding upon and enure to the benefit of the parties hereto and their respective successors and assigns.

8.0 NOTICE

Any notice provided for herein or given hereunder to a Party hereto shall be in writing and shall be delivered by double registered mail, or in person to the address listed below:

For Her Majesty the Queen in Right of the Province:

Minister of Finance and Corporate Relations
Parliament Buildings
Victoria, B.C.

For Hydro:

970 Burrard Street,
Vancouver, B.C.

For the Purchaser or B.C. Gas

Box 12503

23rd Floor, 1066 W. Hastings St.

Vancouver, B.C., V6E 3G3


9.0 MISCELLANEOUS

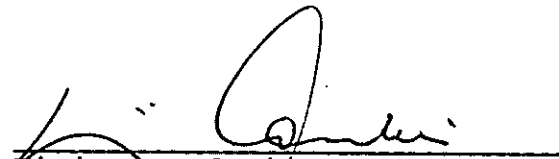
- 9.01 This Agreement shall be construed and enforced in accordance with the laws of the Province.
- 9.02 Time shall be the essence of this Agreement.
- 9.03 This Agreement may be executed in two or more counterparts each of which shall be deemed an original but all of which shall constitute but one instrument.
- 9.04 In the event that the Public Utilities Income Tax Transfer Act is repealed or amended at any time during the Tax Period such that the portion of Federal income tax remitted to the Province is substantially reduced, the Vendor and the Purchaser agree to discuss the actions which might be taken by

the Vendor in response to that reduction.


IN WITNESS WHEREOF the parties hereto have executed this Agreement on the date and year first written above.

SIGNED on behalf of HER
MAJESTY THE QUEEN IN RIGHT
OF THE PROVINCE OF BRITISH
COLUMBIA by The Minister
of Finance and Corporate
Relations in the presence
of:


Witness


Minister of Finance and
Corporate Relations

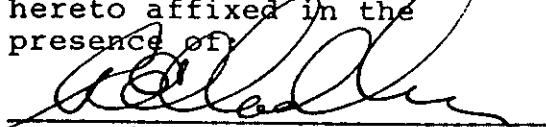
THE CORPORATE SEAL OF
BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY was hereunto
affixed in the presence of:


Authorized Signatory

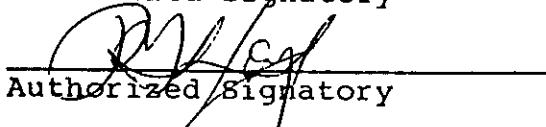
(C/S)

Authorized Signatory

THE CORPORATE SEAL OF INLAND
NATURAL GAS CO. LTD. was
hereto affixed in the
presence of:

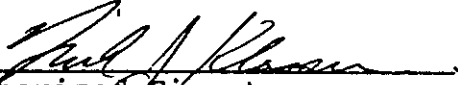

Authorized Signatory

(C/S)


Authorized Signatory

THE CORPORATE SEAL OF
B.C. GAS INC., was hereunto
affixed in the presence of:

(C/S)


Authorized Signatory

Authorized Signatory

SCHEDULE A

"CONFIDENTIAL"

DATED: September 30 1988

BETWEEN:

**HER MAJESTY THE QUEEN IN RIGHT OF THE PROVINCE
OF BRITISH COLUMBIA**

(the "Vendor")

OF THE FIRST PART

AND:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,

OF THE SECOND PART

AND:

INLAND NATURAL GAS CO. LTD.,

OF THE THIRD PART

AND:

B.C. GAS INC.

OF THE FOURTH PART

TAX AGREEMENT

Birnie, Sturrock & Co.
Barristers & Solicitors
Suite 2650 - 666 Burrard St.
Vancouver, B.C.
V6C 2X8

G U A R A N T E E

WHEREAS pursuant to Section 5.01(e) and 5.02(c) of the Asset Transfer Agreement (the "Tax Provisions") dated as of July 15, 1988 between British Columbia Hydro and Power Authority ("Hydro") and B.C. Gas Inc. ("B.C. Gas"), which agreement was supplemented by a supplemental asset transfer agreement dated as of September 30, 1988 between the same parties (together called the "Asset Transfer Agreement") and a tax agreement among Her Majesty the Queen in Right of the Province (the "Province"), Hydro, Inland Natural Gas Co. Ltd. ("Inland") and B.C. Gas (the "Tax Agreement"), B.C. Gas agreed to pay certain taxes or money in lieu thereof (the "Tax Amount") as provided for in the Tax Provisions and the Tax Agreement.

AND WHEREAS Inland is required to guarantee the payment of the Tax Amount to the Province.

NOW THEREFORE in consideration of One Dollar (\$1.00) now paid by the Province to the Guarantor and for other good and valuable consideration, the receipt and sufficiency whereof is hereby acknowledged, the Guarantor absolutely and unconditionally guarantees the payment to the Province of the Tax Amount, interest and all other monies relating thereto and covenants with the Province that B.C. Gas shall duly perform and observe every promise, covenant, condition and agreement contained in the Tax Provisions and the Tax Agreement on the part of B.C. Gas to be performed and observed, including payment of principal, interest and all other monies agreed to be paid or payable under the Tax Provisions and the Tax Agreement and in the manner therein specified, and that if any default be made by B.C. Gas, whether in payment of principal, interest or other monies under the Tax Provisions or the Tax Agreement, the Guarantor shall forthwith, on demand, pay the same to the Province.

1. The Guarantor covenants with the Province that in the

enforcement of its rights under the Tax Provisions or the Tax Agreement and under this Guarantee, the Province shall not be bound to exhaust its recourse against B.C. Gas, under the Tax Provisions or the Tax Agreement or otherwise, before requiring or being entitled to payment from the Guarantor.

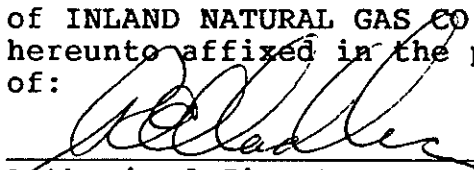
2. No neglect, forbearance or delay of the Province in endeavouring to obtain payment of the monies required to be paid under the provisions of the Tax Provisions or the Tax Agreement as and when they become due or in taking steps to enforce performance or observance of any of the promises, covenants, conditions or agreements contained in the Tax Provisions or the Tax Agreement to be performed or observed by B.C. Gas, no extension or extensions of time which may be given by the Province from time to time to B.C. Gas, no indulgence, compromise, settlement, extension or variation of the terms of the Tax Provisions or the Tax Agreement or act or release of any part of the indebtedness of the B.C. Gas to the Province, and no act or failure to act of or by the Province shall release, discharge or in any way reduce the obligations of the Guarantor under this Guarantee.

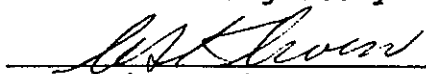
This Guarantee shall be interpreted according to the laws of the Province of British Columbia.

This Guarantee shall be binding upon and enure to the benefit of the successors and assigns of the Guarantor.

DATED at Vancouver, British Columbia, this 30th day of September, 1988.

IN WITNESS WHEREOF the common seal)
of INLAND NATURAL GAS CO. LTD. was)
hereunto affixed in the presence)
of:)


Authorized Signatory)


Authorized Signatory)
1235H)

C/S

THIS AGREEMENT made as of the 16th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter referred to as the "Assignor")

AND:

OF THE FIRST PART

74280 B.C. LTD., a company incorporated under
the laws of the Province of British Columbia,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1T3

(hereinafter referred to as the "Assignee")

OF THE SECOND PART

WHEREAS by asset transfer agreement entered into as of July 15, 1988 between the Assignor as vendor and the Assignee as purchaser (the "Asset Transfer Agreement") the Assignor agreed to sell and the Assignee agreed to purchase certain rights, property and assets of the Assignor, including, and without limiting the generality of the foregoing, its Gas Distribution System as defined in the Asset Transfer Agreement;

WHEREAS by various agreements made between the person listed in the Schedule hereto or any of its predecessors in interest (the "Grantor") and the Assignor or any of its predecessors in interest (the "Grantee"), the Grantor granted to the Grantee certain leases, licenses, permits or rights-of-way in respect of the installation, operation, and maintenance of a portion of the Gas Distribution System over the lands of the Grantor (the "Grants");

AND WHEREAS pursuant to the Asset Transfer Agreement the Assignor has agreed to sell to the Assignee and the Assignee has agreed to purchase from the Assignor, inter alia, all the right, title, interest, privilege and advantage of, in and to the Grants and the agreements by which they were granted, including and without limiting the generality of the foregoing, those agreements which are more particularly set forth in the Schedule hereto (the "Agreements").

NOW THIS AGREEMENT WITNESSETH that in consideration of the sum of ONE DOLLAR (\$1.00) and other good and valuable consideration now paid by the Assignee to the Assignor (the receipt whereof the Assignor acknowledges) the Assignor does hereby grant, assign, transfer and set over unto the Assignee, its successors and assigns, the Grants and the Agreements and all the right, title, interest, privilege and advantage thereto, therein and thereof, to have and to hold the same unto and to the use of the Assignee forever subject to the terms, covenants and conditions in the Agreements contained.

AND the Assignee in consideration of the premises, and for itself, its successors and assigns, promises and agrees with the Assignor, and its respective successors and assigns, that it will take the assignment of the Grants subject to all and each of the covenants and conditions therein contained and made and entered into by the Assignor in the Agreements and it will be bound by and keep and observe and perform the same in the same manner and to the same extent as if it had originally been bound by the Agreements of and from the date hereof.

The parties hereto expressly agree that in those instances where the Grants are capable of assignment only with the consent of the Grantor, this assignment shall not take effect until the Grantor has consented thereto.

THIS AGREEMENT shall ensure to the benefit of and be binding upon the parties hereto and their respective successors and assigns.

IN WITNESS WHEREOF the parties hereto have hereunto affixed their corporate seals under the hands of their proper officers in that behalf on the day and year first above-written.

SIGNED, SEALED and DELIVERED)
on behalf of BRITISH COLUMBIA)
HYDRO AND POWER AUTHORITY in)
the presence of:)

A. MacPherson
Name A. 1045 HOWE STREET
VANCOUVER, B.C.
V6Z 2B1

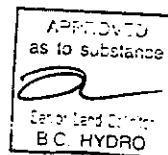
Address
Legal Sec. Secretary
Occupation

SIGNED, SEALED and DELIVERED)
on behalf of 74280 B.C. LTD.)
in the presence of:)

J. P. Smith
Name
970 Burnard St., Vln. B. C.
Address
Lawyer
Occupation

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY by its
Attorneys-In-Fact

[Signature]
[Signature]



J. P. Smith



SCHEDULE

GRANTOR: Canadian Pacific Railway

AGREEMENTS:

Particulars attached

a

SCHEDULE A

LIST OF AGREEMENTS BETWEEN CANADIAN
PACIFIC LIMITED AND BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY

ITEM NO.	AGREEMENT NO.	DATE	MILEAGE & SUB.
-----	-----	----	-----
1	PV-6325	Sept. 15, 1972	4.68 Westminster Branch
2	PV-6328	Dec. 14, 1972	1.24 Steveston
3	PV-6342	Jan. 1, 1973	128.58 Cascade Sub.
4	PV-6395	July 9, 1973	126.77 Cascade Sub.
5	PV-6396	July 1, 1973	1.24 Steveston
6	PV-6403	Aug. 1, 1973	128.66 Cascade Sub.
7	PV-6408	Sept. 1, 1973	3.63 Westminster Branch
8	PV-6449	Feb. 15, 1974	0.42 Marpole Spur
9	PV-6459	May 13, 1974	0.48 Marpole Spur
10	PV-6465	May 13, 1974	0.91 Steveston
11	PV-6523	Sept. 1, 1974	4.92 Westminster Branch
12	PV-6534	Sept. 20, 1974	0.77 Steveston
13	PV-6574	Jan. 1, 1975	9.05 Westminster Branch
14	PV-6589	Mar. 1, 1975	110.10 Cascade Sub.
15	PV-6598	Apr. 1, 1975	106.9 Cascade Sub.
16	PV-6603	Apr. 1, 1975	1.07 South Shore Branch
17	PV-6628	June 27, 1975	126.44 Cascade Sub.
18	PV-6630	July 3, 1975	0.79 South Shore Branch
19	PV-6639	Aug. 28, 1975	2.41 Steveston
20	PV-6641	Sept. 4, 1975	3.64 Steveston
21	PV-6652	Sept. 30, 1975	6.25-0.41 Marpole Spur
22	PV-6701	Mar. 19, 1976	6.17 Steveston
23	PV-6704	Mar. 30, 1976	Westminster Branch
24	PV-6802	Mar. 1, 1977	86.91 Cascade Sub.
25	PV-6824	Apr. 15, 1977	1.39-0.03 Marpole Spur

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SCHEDULE A

- 2 -

ITEM NO. -----	AGREEMENT NO. -----	DATE ----	MILEAGE & SUB. -----
26	PV-6396	Apr. 21, 1977	126.87-0.07 Cascade Sub.
27	PV-6861	Aug. 1, 1977	57.97 Cascade Sub.
28	PV-6896	Feb. 13, 1978	116.0-0.07 Cascade Sub.
29	PV-6925	June 1, 1978	2.31 Marpole Spur
30	PV-6936	July 1, 1978	2.63 Westminster Branch
31	PV-6961	Dec. 1, 1978	1.62 Westminster Branch
32	PV-6998	Mar. 1, 1979	3.40 Westminster Branch
33	PV-7009	May 1, 1979	110.12 Cascade Sub.
34	PV-7054	Dec. 1, 1979	1.53 Marpole Spur
35	PV-7077		5.99-0.12 Westminster Branch
36	PV-7085	June 1, 1980	2.97 Marpole Spur
37	PV-7096	Aug. 13, 1980	110.7 Cascade Sub.
38	PV-7104	Oct. 1, 1980	10.12 Marpole Spur
39	PV-7120	Dec. 8, 1980	15.77 Vancouver Sub
40	PV-7135	May 1, 1981	1.01 Matsqui
41	PV-7139	July 29, 1981	6.17 Steveston
42	PV-7154	Nov. 26, 1981	1.10 Steveston
43	PV-7156	Nov. 27, 1981	126.3-0.10 Cascade Sub
44	PV-7157	Nov. 27, 1981	126.3-0.03 Cascade Sub
45	PV-7178	June 1, 1982	127.17-0.05 Cascade Sub
46	PV-7201	Oct. 1, 1982	7.60 Westminster Branch
47	PV-7202	Oct. 1, 1982	7.66 Westminster Branch
48	PV-7255	Aug. 15, 1983	1.09 Steveston
49	PV-7312	Sept. 17, 1984	129.21-129.43 Cascade Sub.

2

SCHEDULE A

- 3 -

ITEM NO.	AGREEMENT NO.	DATE	MILEAGE & SUB.
-----	-----	----	-----
50	PV-7314	Oct. 1, 1984	9.18 Westminster Branch
51	PV-7378	Apr. 15, 1986	100.34 Cascade Sub.
52	PV-7379	Apr. 15, 1986	100.49 Cascade Sub.
53	PV-7388	June 15, 1986	111.5 Cascade Sub.
54	PV-7399	Sept. 24, 1986	6.92 Marpole Spur
55	PV-7477	May 1, 1988	46.42 Cascade Sub.
56	PEN-1214	Mar. 16, 1973	0.0 Victoria Sub.
57	PEN-1223	June 11, 1973	0.0 Victoria Sub.
58	PEN-1249	Mar. 27, 1974	0.0 Victoria Sub.
59	PEN-1284	July 17, 1975	0.83 Victoria Sub.
60	PEN-1320	Oct. 26, 1976	0.00 Victoria Sub.
61	PEN-1321	Oct. 26, 1976	0.00 Victoria Sub.

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SCHEDULE I

<u>LICENSOR</u>	<u>LEGAL DESCRIPTION</u>	<u>FILE NUMBER</u>
Canadian Pacific Limited	Those portions of lands and premises situate between Howe & Thurlow Streets in the City of Vancouver shown on Plan GCO 005986, attached hereto	406-1002.0(X5)

a

Pa. No. 1
7/11/88

SCHEDULE II

BC HYDRO AND POWER AUTHORITY MAINLAND GAS DIVISION GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
** With CANADIAN PACIFIC RAILWAY						
		MAY 1930		4" GAS MAIN CROSSING C.P.R. RIGHT OF WAY TO SECOND NARROWS BRIDGE.		0.00
		JUNE 1930	124.70	???????CASCAD SUBDIVISION.		0.00
PV 2060	OCC 32108 GK 4190	27 FEB 1970	128.52	4" LP. CASCAD SUBDIVISION. GAS MAIN AT HELMCKEN AND HAMILTON STREETS, FALSE CREEK YARD. CASCAD SUBDIVISION.		0.00
PV 2491	OCC 32108	25 JUNE 1984	128.52	4" HIGH PRESSURE MAIN, CASCAD SUBDIVISION.	005181	0.00
PV 2941		01 NOV 1930		8" GAS PIPE CROSSING UNDER ROAD BED AT FOOT OF RAYMUR AVE. AND INSTALL GAS SERVICE TO FISHERMAN'S WHARF, VANCOUVER.		5.00
PV 3363		01 DEC 1941		8" GAS PIPE CROSSING V & L.I. RAILWAY SOUTH OF FALSE CREEK ON 1ST AVE. AND COOK STREET.		0.00
PV 3488	M 23147	24 APR 1948		8" GAS SERVICE FROM 20" ON 6TH AVE. UNDERNEATH C.P.R. TRACKS TO VANCOUVER IRON WORKS.		0.00
PV 3488	M 23147		0.63	8" SERVICE SOUTH SHORE FALSE CREEK (FR. 20" ON 6TH AVE.).		0.00
PV 3815	M 22388	01 APR 1950		4" HIGH PRESSURE GAS MAIN EXTENSION CROSSING TRACKS ON FRONT ST. AT BEGBIE ST., NEW WESTMINSTER.	001427	5.00
PV 4303	T 43889	01 APR 1955	.42 / .69	12" HIGH PRESSURE GAS MAIN ON V & L.I. RIGHT OF WAY, HARPOLE BRANCH. BETWEEN MILES 0342 AND 0.69.	001436	16.00
PV 4314	X 432229	01 APR 1956	3.78	GAS MAIN CROSSING ON HARPOLE BRANCH V & L.I.		0.00
PV 4348	GK 30	01 JULY 1956		4" HIGH PRESSURE GAS MAIN UNDER TRACKS AT BRAID ST., NEW WESTMINSTER.		0.00
PV 4358	GK 16		126.25	4" LOW PRESSURE MAIN UNDER CPR SPUR TRACK TO TERMINAL DOCK AT FOOT OF NANAIMO ST., VANCOUVER. CASCAD SUBDIVISION.		0.00
PV 4380	GK 33	01 JULY 1956	1.85	8" HIGH PRESSURE GAS MAIN UNDER V & L.I. AT ARBUTUS ST. AND 19TH AND 20TH AVES., HARPOLE BRANCH, VANCOUVER.	001408	5.00
PV 4397		10 JAN 1974	8.83	PIPE CROSSING AT MILE 8.83 TO 8.83, NEW WESTMINSTER BRANCH, V & L.I. RAILWAY.	009109	10.00
4403	X 43337	01 SEPT 1956	1.51	6" GAS MAIN. WESTMINSTER SUBDIVISION.		0.00
PV 4416	GK 61	01 JAN 1957		8" HIGH PRESSURE GAS MAIN UNDER V & L I RAILWAY ON MONCTON ST., RICHMOND. STEVESTON BRANCH.		0.00
PV 4417	GK 59	01 JAN 1957	8.00	8" HIGH PRESSURE GAS MAIN UNDER V & L I RAILWAY ON MONCTON ST., RICHMOND. STEVESTON BRANCH.		0.00

07/11/88

SCHEDULE II

BC HYDRO AND POWER AUTHORITY
MAINLAND GAS DIVISION
GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
PV 4567	P 43780	01 SEPT 1957	1.88	CROSSING, WESTMINSTER BRANCH V & L.I. RAILWAY.		0.00
PV 4568	GK 234	01 DEC 1957	5.30	4" HIGH PRESSURE GAS MAIN CROSSING C.P.R. RIGHT OF WAY AT GREENALL AVE., S. BURNABY. ALSO COVERS ANODE BED WITH NO ANNUAL RENTAL.	001402	5.00
PV 4573	PME 1613A	15 AUG 1957	5.48	2" HIGH PRESSURE GAS MAIN ON BLUNDELL ROAD CROSSING UNDER V & L I RIGHT OF WAY AT McALLAN ROAD, RICHMOND. STEVESTON BRANCH.		0.00
PV 4574	GK 157	01 AUG 1957		8" HIGH PRESSURE GAS MAIN UNDER CPR RIGHT OF WAY AT WOODLAND DRIVE, VANCOUVER.		0.00
PV 4578		01 SEPT 1957	2.20	PIPELINE UNDERCROSSING, WESTMINSTER BRANCH V & L.I.		0.00
PV 4635	GK 285	01 NOV 1957	0.08	4" HIGH PRESSURE GAS MAIN CROSSING V & L I TRACK AT OAK ST AND 77TH AVE., VANCOUVER. STEVESTON BRANCH.		0.00
PV 4636	PME 2335A	28 AUG 1958		8" GAS MAIN CROSSING V & LI RAIL RIGHT OF WAY AT OAK ST., VANCOUVER.		0.00
PV 4637	GK 262		1.38	4" GAS MAIN. WESTMINSTER BRANCH V & L.I.		0.00
PV 4638	GK 263	31 OCT 1957	6.48	2" GAS MAIN CROSSING UNDER GNR AND CPR RIGHTS OF WAY AT SPRUCE STREET. WESTMINSTER SUBDIVISION.		0.00
PV 4639	GK 276	01 NOV 1957		4" HIGH PRESSURE GAS MAIN CROSSING UNDER CPR RIGHT OF WAY AT JELICOE ST.		0.00
PV 4643	GK 281	15 NOV 1957		4" GAS MAIN CROSSING ON PIPELINE ROAD, DISTRICT OF COQUITLAM.		0.00
PV 4658	GK 4242	16 APR 1970	5.30	ANODE BED ON GREENALL AVE AT V & LI RLWY, BURNABY. WESTMINSTER BRANCH.		0.00
PV 4661	GK 312	01 JAN 1958		2" HIGH PRESSURE GAS MAIN CROSSING UNDER CPR SPUR CROSSING NO. 1 ROAD, RICHMOND.		0.00
PV 4663	GK 331	01 FEB 1958	1.46	3" HIGH PRESSURE GAS MAIN UNDER CPR TRACKS ON 1ST AVE. AND CAMBIE ST., VANCOUVER. SOUTH SHORE BRANCH, V & L.I.		0.00
PV 4672	GK 331	01 FEB 1958		2" HIGH PRESSURE GAS MAIN CROSSING UNDER CPR RIGHT OF WAY FROM PIPELINE ROAD TO DEWDNEY TRUNK ROAD, PORT COQUITLAM.		0.00
PV 4684	PME 4084A	15 JULY 1958	127.18	8" GAS MAIN IN CASCADE SUBDIVISION ON STEWART ST., CITY OF VANCOUVER.	001403	5.00
PV 4699	GK 401	01 MAY 1958	0.216	PIPE CROSSING AT SOUTH SHORE BRANCH OF V & L.I. RAILWAY.	001352	10.00
PV 4708	PME 4785A	01 JUNE 1958	128.24	4" GAS MAIN ACROSS CPR RIGHT OF WAY AT DUNLEVY ST, VANCOUVER. CASCADE SUBDIVISION.		0.00
PV 4714	N 65227	01 JUNE 1958	129.0	PIPELINE CROSSING ON PENDER STREET, FALSE CREEK SWITCHYARD. CASCADE SUBDIVISION.		0.00

SCHEDULE II

498 No. 4
07/11/88

BC HYDRO AND POWER AUTHORITY MAINLAND GAS DIVISION GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	-DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
PV 4718	GCO 8074C	08 JULY 1980	110.10	????????? CASCADE SUBDIVISION.		0.00
PV 4776	PME 5888A	30 JAN 1959	7.26	GAS MAIN CROSSING V & LI RAILWAY AT MONCTON AND RAILWAY AVE., RICHMOND. STEVESTON BRANCH.		0.00
PV 4788	GK 5138A		7.26	6" GAS MAIN. STEVESTON BRANCH V & L.I.		0.00
PV 4794	GK 342			2" GAS MAIN. STEVESTON BRANCH V & L.I.		0.00
PV 4810	PME 6713A	01 APR 1959	7.97	GAS MAIN CROSSING ON RIVER ROAD AND WEST ROAD, RICHMOND. STEVESTON BRANCH V & L.I.		0.00
PV 4812	CPR 76212	01 MAR 1959	0.27	PIPELINE CROSSING WESTMINSTER BRANCH V & L.I.		0.00
PV 4819	4064A	01 APRIL 1959	126.78	GAS MAIN CROSSING VICINITY VICTORIA DRIVE AND COMMISSIONER ST., VANCOUVER. CASCADE SUBDIVISION.		0.00
PV 4829	N 65266	10 OCT 1967	3.84	30" GAS PIPELINE CROSSING V & L.I. RAILWAY, WESTMINSTER BRANCH. SUCCEEDS ORIGINAL AGREEMENT DATED 15 APRIL 1959.	006477	10.00
PV 4848	GK 651	01 JUNE 1959	125.80	2" CROSSING TO SERVE TULLOCH WESTERN CO. LTD. CASCADE SUBDIVISION.		0.00
PV 4849	GK 612	15 MAY 1959	1.40	3" GAS MAIN CROSSING OF THE V & L I RAILWAY, MARPOLE TO NEW WESTMINSTER BRANCH MILE 1.4 MAIN ST., VANCOUVER.		0.00
PV 4856	GK 406	01 SEPT 1958	114.84	GAS MAIN IN AREA OF APPROACHES TO IOCO OVERHEAD CROSSING. CASCADE SUBDIVISION.		0.00
PV 4897	GK 689	01 AUG 1959	5.90	8" HIGH PRESSURE GAS MAIN CROSSING. STEVESTON BRANCH V & L.I.		0.00
PV 4899	GK 739	15 SEPT 1959	1.31	4" CROSSING OF RIGHT OF WAY AT L.S. BROADWAY, CITY OF VANCOUVER. MARPOLE BRANCH V & L.I.		0.00
PV 5059	GK 1114	26 SEPT 1980	7.21	3" GAS PIPE CROSSING V & LI RAILWAY. STEVESTON BRANCH.		0.00
PV 5071	GK 1042	01 MAY 1961	2.54	3" GAS PIPE CROSSING. WESTMINSTER SUBDIVISION.		0.00
PV 5124	GK 1278	15 MAR 1961	1.42	4" GAS MAIN CROSSING V & L.I. RAIL. MARPOLE BRANCH.		0.00
PV 5129	GK 1280	15 MAR 1961	1.77	8" L.P. GAS MAIN AT 17TH AVE, MARPOLE BRANCH, V & L.I. RAILWAY.	001365	5.00
PV 5167	GK 1379	29 SEPT 1961	115.65	2" GAS MAIN AT CASCADE SUBDIVISION.	001367	5.00
PV 5168		15 MAY 1961	0.95	AGREEMENT COVERING CATHODIC PROTECTION ANODE BED AT KENT AVE. EAST OF YUKON ST.	001368	10.00
PV 5179	GK 1377	15 SEPT 1961	0.09	CATHODIC PROTECTION ANODE BED, STEVESTON BRANCH, V & L.I. RAILWAY.	001372	10.00
PV 5230	GK 1537	01 JAN 1962	0.61	2" SERVICE, STEVESTON BRANCH, V & L.I. RAILWAY.	001375	5.00
PV 5292	GCO 1539B			3/4" GAS SERVICE CROSSING 800 BLOCK RIVER ROAD, RICHMOND.		0.00
PV 5404	GCO 1761B	20 MARCH 1963	127.25	3" GAS PIPE CROSSING AT CASCADE SUBDIVISION.	001318	5.00

190 NO. 5
07/11/88

SCHEDULE II

BC HYDRO AND POWER AUTHORITY MAINLAND GAS DIVISION GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
PV 5445	GCO 1922B	15 MAY 1963	128.67	GAS MAIN CROSSING AT CASCADE SUBDIVISION, FOOT OF CARRALL ST.	001321	10.00
PV 5449	GCO 1586B	15 MAY 1963	8.10	4" GAS PIPE CROSSING AT NEW WESTMINSTER BRANCH OF V & L.I.	001322	5.00
PV 5502	GK 1928	01 AUG 1963	0.88	1 1/4" PIPE CROSSING AT HARPOLE BRANCH OF V & L.I.	001324	10.00
PV 5506	GM 1867	01 AUG 1963	7.28	AGREEMENT COVERING CATHODIC PROTECTION ANODE BED, STEVESTON BRANCH, V & L.I.	001325	10.00
PV 5544	GCO 2471B	15 NOV 1963	8.59	GAS PIPELINE CROSSING. WESTMINSTER SUBDIVISION.		0.00
PV 5601	GCO 3003B	15 APR 1964	3.93	GAS PIPE CROSSING V & L.I. RAIL. STEVESTON BRANCH.		0.00
PV 5630	GCO 3101B	08 JUNE 1964	5.06	4" HIGH PRESSURE GAS MAIN AT BOUNDARY ROAD AND KENT IN THE DISTRICT OF BURNABY. WESTMINSTER BRANCH V & L.I.		0.00
PV 5632	GCO 9423B	12 SEPT 1969	3.10	ANODE BED AT KENT AVE. AND VICTORIA DRIVE. WESTMINSTER BRANCH V & L.I.		0.00
PV 5632	GCO 3203B	15 JUNE 196 ??	3.10	8" HIGH PRESSURE GAS MAIN AT KENT AVE AND VICTORIA DRIVE, VANCOUVER. WESTMINSTER BRANCH V & L.I.		0.00
PV 5634	GCO 3089B	01 JUNE 1964	7.92	1-1/4" HIGH PRESSURE GAS MAIN AT THORNE AVE. SOUTHWEST OF WILLARD, BURNABY. WESTMINSTER BRANCH.		0.00
PV 5635	GCO 3132B	01 JUNE 1964	128.37	6" GAS MAIN AT NORTH FOOT OF GORE AVE., VANCOUVER. CASCADE SUBDIVISION.		0.00
PV 5678	GCO 3542B		2.05	2" HIGH PRESSURE MAIN AT TRAPP AVE. AND WILLARD ST., BURNABY.		0.00
PV 5699	GCO 3598B	01 NOV	127.70	3" HIGH PRESSURE MAIN TO SERVE FISHERMANS WHARF, CASCADE SUBDIVISION.	305177	0.00
PV 5709	GK 2221	17 JULY 1968	1.59	3/4" SERVICE TO 215 WEST 1ST AVE., VANCOUVER. SOUTH BRANCH V & L.I.		0.00
PV 5710	GCO 3761B		126.58	3/4" SERVICE TO B.C. ICE & COLD STORAGE. CASCADE SUBDIVISION.		0.00
PV 5711	GCO 3665B		1.37	2" HIGH PRESSURE ON CAPSTAN WAY EAST OF RIVER ROAD, RICHMOND. STEVESTON BRANCH V & L.I.		0.00
PV 5732	GCO 3881B	22 APR 1965	0.92	3" HIGH PRESSURE. SOUTH SHORE BRANCH.		0.00
PV 5736	GCO 4043B	12 MAY 1965	1.48	???????? AT GOVERNMENT AND WATER STREETS, PORT MOODY. IDCO SPUR.		0.00
PV 5781			4.97	???????? DUDLEY ST. AND KENT AVE. WESTMINSTER BRANCH V & L.I.		0.00
PV 5785	GCO 4366B	01 AUG 1965	2.82	HARPOLE BRANCH V & L.I., 33RD AVE. AND QUILCHENA CRES.	005186	10.00
PV 5818	GCO 5144B	01 APR 1966	1.80		005190	10.00
PV 5824	GK 2737	04 MAY 1966	0.70	???????? AT 6TH AVE. AND PINE ST., VANCOUVER. HARPOLE BRANCH V & L.I.		0.00
PV 5843	GCO 5561B	28 AUG 1966	5.77	???????? AT MILTON ST. AND RAND AVE., VANCOUVER. HARPOLE BRANCH V & L.I.		0.00

SCHEDULE II

BC HYDRO AND POWER AUTHORITY
MAINLAND GAS DIVISION
GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
PV 5855	GCO 5833	08 DEC 1966	0.23	???????? PACIFIC MEAT CO., SOUTH KENT ST. AT SHAUGHNESSY AVE., VANCOUVER. WESTMINSTER BRANCH V & L.I.		0.00
PV 5860	GCO 5842	17 JAN 1967	1.71	???????? CAMBIE ROAD BETWEEN RIVER ROAD AND NO. 3 ROAD, RICHMOND. STEVESTON BRANCH V & L.I.		0.00
PV 5882	GCO 58748	10 FEB 1967	4.82	???????? KING EDWARD AVE. SOUTH OF TRANS-CANADA HIGHWAY, FRASER MILLS. WESTMINSTER SUBDIVISION.		0.00
PV 5871	GCO 61598	13 MAR 1967		???????? HAMILTON AND DRAKE STREETS IN FALSE CREEK YARD, VANCOUVER.		0.00
PV 5872	GCO 61648	17 MAR 1967		???????? MAINLAND AND DAVIE STREETS.		0.00
PV 5874	GCO 68128	16 MAR 1967	115.25	? ? ELECTRONIC AVE. AND MURRAY STREET, PORT MOODY. CASCADE SUBDIVISION.		0.00
PV 5876	GCO 61958	28 MAR 1967	2.40	???????? KENT AVE. AND CROMPTON STREET, VANCOUVER. WESTMINSTER BRANCH.		0.00
PV 5877	GCO 62338	28 MAR 1967	9.28	???????? SIXTEENTH STREET AND FIFTH AVE., NEW WESTMINSTER.		0.00
PV 5886	GIO 16838	28 JUNE 1967	1.40	???????? FIRST AVE. BETWEEN COOK AND CROWE ST., VANCOUVER. SOUTH SHORE BRANCH.		0.00
PV 5899	GCO 63378	26 JUNE 1967	4.19	???????? KERR ST. BETWEEN KENT AVE. NORTH AND KENT AVE. SOUTH, VANCOUVER. WESTMINSTER BRANCH V & L.I.		0.00
PV 5931	GK 3071	16 NOV 1967	1.51	4" HIGH PRESSURE AT CROWE ST. ON FIRST AVENUE, VANCOUVER. SOUTH SHORE BRANCH V & L.I.		0.00
PV 5938	GCO 71088	14 DEC 1967	6.74	???????? BYRNE ROAD AND ROYAL OAK AVE., BURNABY. WESTMINSTER BRANCH V & L.I.		0.00
PV 5950	GK 3097	01 MAR 1968	1.14	3/4" HP 100' SOUTH OF BRIDGEPORT ROAD ON RIVER ROAD, RICHMOND. V & L I WESTMINSTER BRANCH.		0.00
PV 5970	GCO 78888	09 OCT 1968	4.15	TWO ANODE BED CABLES AT GRANVILLE AVE. AND McALLAN ROAD, RICHMOND. STEVESTON BRANCH V & L.I.		0.00
PV 5975	GK 4032	16 AUG 1968	126.85	2" HIGH PRESSURE CROSSING CPR TRACKS AT VICTORIA DRIVE ON COMMISSIONER ST., VANCOUVER.		0.00
PV 6007	GCO 83038	18 DEC 1968	2.28	???????? ROSS ST AND KENT AVE NORTH TO SERVE 1070 S.E. MARINE DR., VANCOUVER. WESTMINSTER BRANCH.		0.00
PV 6008	GCO 83768	18 DEC 1968	0.51	???????? 906 RIVER ROAD, RICHMOND. STEVESTON BRANCH V & L.I.		0.00
PV 6013	GCO 87068	30 JAN 1969	0.66	???????? APPROX. S.E. OF RIVER DRIVE ON ?????? RIGHT OF WAY, RICHMOND. STEVESTON BRANCH V & L.I.		0.00
PV 6027	GK 4135	15 MAY 1969	0.67	???????? V.I.E.W. PLANT BLDG. #4 - 6TH AVE. AND SPRUCE ST., VANCOUVER. SOUTH		0.00

SCHEDULE II

198 No. 7
27/11/88

BC HYDRO AND POWER AUTHORITY MAINLAND GAS DIVISION GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
PV 8029		01 JUNE 1969	2.55	MARPOLE BRANCH V & L.I. E. BOULEVARD AND LANE SOUTH 29TH AVE., VANCOUVER.	008494	10.00
	GT 8407R2	01 DEC 1969	124.88	2" GAS SERVICE LINE FOR ALBERTA WHEAT POOL, VANCOUVER. CASCADE SUBDIVISION.		0.00
PV 8041	GK 4172	01 OCT 1969	4.85	PIPELINE CROSSING TO SERVE MACHILLAN BLOEDEL. WESTMINSTER BRANCH V & L.I.	006497	10.00
PV 8048	GK 4183	08 DEC 1969	0.89	3/4" GAS SERVICE LINE. SOUTH SHORE BRANCH V & L.I.		0.00
PV 8086	GK 4212	27 FEB 1970	1.47	4" HP - L/S AT 12TH AVE. AND ARBUTUS ST., VANCOUVER. MARPOLE BRANCH V & L.I.		0.00
PV 8087	GK 4192	27 FEB 1970		GAS MAIN AT HELMCKEN AND MAINLAND STREETS, FALSE CREEK YARD. CASCADE SUBDIVISION.		0.00
PV 8071	GK 4232	13 MAR 1970	0.86	GAS MAIN AT VAN HORNE WAY SOUTH OF RIVER ROAD IN RICHMOND. STEVESTON BRANCH V & L.I.		0.00
PV 8085	GCO 277C	01 JULY 1970	3.57	4" MAIN AT 40TH AVE. AND EAST AND WEST BLVDs., VANCOUVER. MARPOLE BRANCH, V & L.I.	007729	10.00
PV 8119	GCO 458C	31 AUG 1970	2.55	UNDERGROUND WIRE CROSSING AT 29TH AVE AND E. BLVD. TO PROVIDE CATHODIC PROTECTION. MARPOLE BRANCH, V & L.I.	007733	10.00
PV 8120	GK 4277	03 SEPT 1970	0.64	4" TP CROSSING V & LI RLY SPUR AT ASH ST., VANCOUVER. WESTMINSTER BRANCH.		0.00
PV 8121	GK 4292	16 SEPT 1970	1.79	1-1/4" TP TO SERVE 8325 FRASER ST., VANCOUVER. WESTMINSTER BRANCH V & LI.		0.00
PV 8122	GCO 317C	18 SEPT 1970	0.49	4" HIGH PRESSURE MAIN AT HEATHER ST. WESTMINSTER BRANCH V & L.I.	007732	10.00
PV 8125	GK 4291	07 OCT 1970	0.66	???????? RIVER DRIVE AND VAN HORNE WAY, RICHMOND. STEVESTON BRANCH V & LI. APPEARS SAME AS PV 8071.		0.00
PV 8135	GK 4295	20 OCT 1970	7.74	???????? 160 FRONT ST., NEW WESTMINSTER. WESTMINSTER BRANCH V & LI.		0.00
PV 8151	GCO 803C	01 JAN 1971	115.89	6" GAS PIPE AT MARY ST. NORTH OF CLARKE ST., PORT MOODY. CASCADE SUBDIVISION.	007734	10.00
PV 8177	GK 4321	12 MAY 1971	3.70	4" HIGH PRESSURE GAS MAIN AT 43RD AVE. AND EAST & WEST BOULEVARDS, VANCOUVER. MARPOLE BRANCH V & LI.		0.00
PV 8215	GK 4382	13 SEPT 1971	0.66	???????? RIVER DRIVE AND VAN HORNE WAY, RICHMOND. STEVESTON BRANCH V & LI. SEE ALSO PV 8071 AND PV 8125.		0.00
PV 8230	GK 4388	21 OCT 1971	128.27	1/2" GAS SERVICE TO SERVE 2199 COMMISSIONER ST., VANCOUVER. CASCADE SUBDIVISION V & LI.		0.00
PV 8325	GCO 1449	15 SEPT 1972	4.68		007743	10.00
PV 8328	GA 4458	14 DEC 1972	1.24	1-1/4" HIGH PRESSURE SERVICE ON RIVER ROAD 142' NORTH OF SEA ISLAND WAY, RICHMOND. STEVESTON BRANCH V & LI.		0.00

SCHEDULE II

390 No. 8
07/11/88

BC HYDRO AND POWER AUTHORITY MAINLAND GAS DIVISION GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	- DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
PV 6336	GA 4488	30 NOV 1972	125.23	2" HIGH PRESSURE - NEW BRIGHTON POOL, WINDERMERE ST., VANCOUVER. CASCADE SUBDIVISION.		0.00
PV 6342	GCO 2754	01 JAN 1973	128.58		007745	20.00
PV 6387	GA 4642	01 JUNE 1973	8.25		009102	20.00
PV 6395	GA 4697	26 JULY 1973	128.77	???????? 400 FT. EAST OF VICTORIA DRIVE ON COMMISSIONER ST., VANCOUVER. CASCADE SUBDIVISION V & LI.		0.00
PV 6396	GA 4692	01 JULY 1973	1.24	1 1/4" HIGH PRESSURE SERVICE ON RIVER ROAD, 204'S SEA ISLAND WAY. STEVESTON BRANCH V & L.I.	009101	20.00
PV 6403	GA 4691	01 AUG 1973	128.88	RAILCAR RESTAURANT - FOOT OF CARRALL ST. CASCADE SUBDIVISION.	009103	20.00
PV 6441	GA 4839	04 SEPT 1973	3.84	4" HIGH PRESSURE MAIN AT WESTMINSTER HWY. AND MCCALLAN ROAD, RICHMOND. WESTMINSTER BRANCH V & LI.		0.00
PV 6449	GA 4719	15 FEB 1974	0.42	8" HIGH PRESSURE MAIN AT FIR ST. AND LANE SOUTH OF 2ND AVE., VANCOUVER. MARPOLE BRANCH V & LI.		0.00
PV 6459	GA 4722	06 MAR 1974	0.48	2" HIGH PRESSURE MAIN AT FIR ST. AND LANE SOUTH OF 3RD AVE., VANCOUVER. MARPOLE BRANCH V & LI.		0.00
PV 6523	GCO 2855C	01 SEPT 1974	4.82	8" T MAIN TRANS CANADA HWY. AND KING EDWARD AVE. IN COQUITLAM. WESTMINSTER SUBDIVISION.	009116	20.00
PV 6534	GA 4738	20 SEPT 1974	0.77	???????? RIVER ROAD AND CHARLES ST., RICHMOND. STEVESTON BRANCH V & LI.		0.00
PV 6574	GA4782	01 JAN 1975	9.05		009119	10.00
PV 6589	GA 4788		110.10	6" HIGH PRESSURE MAIN ON KINGSWAY IN PORT COQUITLAM. CASCADE SUBDIVISION V & L.I.		0.00
PV 6603	GCO 4958C	11 MAR 1975	1.07	GAS PIPE CROSSING AT 6TH AVE WEST OF HEATHER ST., VANCOUVER. SOUTH SHORE BRANCH V & L.I.	009125	20.00
PV 6628	GA 4834	27 JUNE 1975	126.44	2" HIGH PRESSURE SERVICE TO 2145 COMMISSIONER ST. CROSSING SPUR EAST OF VICTORIA DRIVE, VANCOUVER. CASCADE SUBDIVISION V & LI.		0.00
PV 6630	GA 4832	03 JULY 1975	0.79	4" HIGH PRESSURE MAIN AT 6TH AVE. AND OAK STREET, VANCOUVER. SOUTH SHORE BRANCH V & LI.		0.00
PV 6639	GA 4875			???????? GILBERT ROAD SOUTH OF RIVER ROAD IN RICHMOND.		0.00
PV 6652	GA 4826	19 SEPT 1975		4" HIGH PRESSURE SERVICE FOR EBURNE SAWMILL, CROSSING CPR ON 75TH AVE. EAST OF MILTON ST., VANCOUVER. MARPOLE BRANCH V & LI.		0.00
PV 6701	GA 4813	19 MAR 1976	6.17	????????		0.00

SCHEDULE II

BC HYDRO AND POWER AUTHORITY MAINLAND GAS DIVISION GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
PV 6704	GA 4895	30 MAR 1976	1.82	2" T MAIN AT FRASER AND KENT STREETS NORTH AND SOUTH, VANCOUVER. WESTMINSTER BRANCH V & LI.		0.00
PV 6809	GA5001	03 MARCH 1977	118.00	1-1/4" HIGH PRESSURE MAIN ON COLUMBIA ST. AND EAST OF KYLE ST., PORT MOODY. CASCADE SUBDIVISION. NOT PROCEEDING WITH WORK 14 MAR 1977.		0.00
PV 6824	GA 5014	15 APR 1977	1.39-.03	???????? 11TH AND ARBUTUS ST., VANCOUVER. MARPOLE BRANCH V & LI.		0.00
PV 6826	GA 4886	21 APR 1977	126.85	???????? 2000 BLOCK COMMISSIONER ST., VANCOUVER. CASCADE SUBDIVISION.		0.00
PV 6884	GA 5058	01 DEC 1977	7.91	8" HIGH PRESSURE GAS SERVICE TO B.C. PACKERS ON MONCTON ST. EAST OF NO. 1 ROAD, RICHMOND. STEVESTON BRANCH V & LI.		0.00
PV 6925	GCO 6680C	13 FEB 1978	2.31	GAS MAIN CROSSING AT HANSTON AVE. WEST OF MAPLE CRES., VANCOUVER. MARPOLE BRANCH V & L.I.		10.00
PV 6936	GA 5099	01 JULY 1978	2.83		011439	20.00
PV 6961	GA 5127	01 DEC 1978	1.82		011437	10.00
PV 6998	GB 5117	01 MAR 1979	3.40		011440	20.00
PV 7009	GB 5149	01 MAY 1979	110.12		011442	20.00
PV 7054	GA 5176	01 DEC 1979	1.53	3/4" HIGH PRESSURE GAS LINE CROSSING.	011446	20.00
PV 7077	GA 5195	08 JULY 1980	5.99	????????		0.00
PV 7096	GB 5228	22 JULY 1980	110.70	GASLINE CROSSING. CASCADE SUBDIVISION V & LI.		0.00
PV 7108	GA 5245		1.54	???????? SOUTH SHORE 55' EAST OF CROWE ST. ON 1ST AVE.		0.00
PV 7120	GB 5267	19 JAN 1981	9.51	???????? WESTMINSTER BRANCH.		0.00
PV 7139	GB 5334	12 NOV 1981	6.17	???????? STEVESTON BRANCH V & LI.		0.00
PV 7154	GA 5353	06 OCT 1981	1.10	1-1/4" CROSSING STEVESTON BRANCH V & LI RLWY AT MILE 1.10.		0.00
PV 7156	GA 5360	19 NOV 1981	126.30	3/4" SERVICE CROSSING AT MILE 126.3 - 0.10 CASCADE SUBDIVISION V & LI RLWY.		0.00
PV 7157	GA 5359	19 NOV 1981	126.30	4" UNDERGROUND PIPE CROSSING MILE 126.3 - 0.03 CASCADE SUBDIVISION V & LI RLWY.		0.00
PV 7178	GA 5385	21 APR 1982	117.17	4" GAS LINE UNDERNEATH SPUR MINIMUM 4' 8" BELOW BASE OF RAIL LOCATED AT MILE 117.17 - 0.05, CASCADE SUBDIVISION V & LI RLWY.		0.00
PV 7201	GA 5388	24 SEPT 1982	7.60	6" AND 20" ???? LOCATED AT MEADOW AND 10TH IN BURNABY.	019828	40.00
PV 7202	GA 5394	24 SEPT 1982	7.66	4" ???? LOCATED AT MEADOW SOUTH OF 10TH IN BURNABY. WESTMINSTER BRANCH V & L.I.	019829	20.00
PV 7244A	GA 5533&37	21 AUG 1984	118.34		022802	20.00
PV 7255	GA 5503	14 NOV 1983	1.09	???????? 8351 RIVER ROAD, RICHMOND. STEVESTON BRANCH.		0.00

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SCHEDULE II

BC HYDRO AND POWER AUTHORITY
MAINLAND GAS DIVISION
GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
✓ PV 7312	GCO 5988	12 APR 1984		4" GAS MAIN AT CANADA PLACE	022803	0.00
PV 7315	QA 5582	20 DEC 1984	1.20	???????? 8TH AVE. AND ARBUTUS ST., VANCOUVER. MARPOLE BRANCH V & LI.		0.00
PV 7386	QA 5641	27 AUG 1986	8.20		022808	20.00
PV 7388	QA 5648	25 JUNE 1986	111.50	???????? CPR YARD AT 1870 LOUGHEED HIGHWAY, PORT COQUITLAM. CASCADE SUBDIVISION.		0.00
PV 7389	QA 5652	09 DEC 1986	6.92	MARPOLE SPUR ??????	022809	10.00

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SCHEDULE II

BC STEEL AND POWER AUTHORITY
FRASER VALLEY GAS DIVISION
CANADIAN PACIFIC RAIL CROSSINGS

AGREEMENT NUMBER	MILE POINT	LOCATION	SEC. MAP OR DRAWING	R/W OR R/A	CARRIER	ANNUAL RENTAL B.P.A.
** CASCADE SUBDIVISION						
PV 6861 43793	57.97	PIXLEY ROAD, AGASSIZ	B 1739 7031-C 48-0-2	R/W 4"		10.00 011431
PV 4539	59.90	LOUGHEED HWY., AGASSIZ	FV 97 ORIG. GRID 47-0-3	R/A 4"		0.00
PV 5717 32307R	94.65	MILLSTREAM TIMBER. MISSION	PVM 1013 2575 683-1	R/W 1"		5.00 517901
PV 6802 43297	86.91	GLASGOW ST., MISSION	B1704 6582-C 666-2	R/W 6"		10.00 011430
PV 4600	86.99	HORNE AVE., MISSION	FV 193 ORIG. GRID 666-2	R/W 4"		0.00
FV 7018 45429	87.65	LOUGHEED HWY. & CEDARVALLEY	B 1752 7512-C 666-1	R/W 8"		20.00 011441
PV 5555 31297R	92.0	MCLEAN RD., MISSION	PVM 950 2025, 1100-C 634-M	R/W 2"		10.00 001330
PV 6819 43377	93.80	297 ST., MAPLE RIDGE	B 1530 6368-C 29-K-1	R/A 2"		10.00 013680
PV 5379 71668Y	96.10	APPROX. 270TH ST., WHORNOCK	1257 26-E-2	R/W 3/4"		10.00 001312
PV 4540	99.53	240TH ST. ALBION	FV 79 ORIG. GRID 24-L-7	R/A 6"		0.00
CANCELLED PV 4540	99.53	RELOCATION: 240TH ST. & RIVER RD., MAPLE RIDGE	218-C 24-L-7 4-1	RW RA 6"		0.00
PV 5158	100.34	RIVER RD. AT 205TH ST. ALBION	B 1421 3277-C 20-L-6	R/A 6"		0.00
SEE FILE 74012	100.49	CROSSING RIVER RD. SPUR RIVER RD. SPUR ALBION	FV 50 ORIG. GRID 20-L-6	R/A 6"		0.00
PV 4540	100.49	RIVER RD. ALBION	FV 1200 20-L-6	R/W 6"		0.00
PV 4770 55515	100.52	ST. CROSSING W OF 240TH ST. ALBION	FV 550 1077-C 210RA 20-L-6 4-2	R/W 6"		10.00 001401
PV 4770 55515	100.52	ST. CROSSING W OF 240TH ST. ALBION	FV 1200 1077-C 20-L-6 4-2	R/W 6"		10.00
PV 5005 700417	100.78	100TH AVE. ALBION	FV 745 & 1005 1078-C & 1079-C	R/W 2"		10.00 001333
PV 4505 57025W	101.34	RIVER ROAD, MAPLE RIDGE	B 43459 20-M-4	RW RA 12" MTD		0.00 001422
PV 5551	102.54	205TH ST. & RIVER RD., MAPLE RIDGE	FV 1145 505-C 21-M-1	R/A 6"		0.00
PV 4599	105.34	LODGE RD. HAMMOND	FV 152 ORIG. GRID 21-M-1	R/W 4"		0.00
PV 5555 41022	106.57	SONSON RD. PITT MEADOWS	B 1501 5015-C 520 20-N-5	R/W 6"		20.00 003124
PV 4545	107.75	HARRIS RD. PITT MEADOWS	FV 303 ORIG. GRID 20-N-1	R/W 4"		0.00
PV 4703	114.10	W OF PITT RIVER, COQUITLAN	N 55144 FV 372 N 55554	12" MTD 20" MTD		0.00 0.00
	114.10	COQUITLAN SEC. 5. OF BARNET HWY. CAPE HOEN				

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SCHEDULE II

BC HYDRO AND POWER AUTHORITY
FRASER VALLEY GAS DIVISION
CANADIAN PACIFIC RAIL CROSSINGS

AGREEMENT NUMBER	MILE POINT	LOCATION	SEC. MAP OR DRAWING	R/W OR R/A	CARRIER	ANNUAL RENTAL S.P.A.
** COQUIBALLA SUBDIVISION						
PV 4513	53.93	6TH AVE., HOPE	FV 106 ORIG. GRID 1529	R/A	4"	0.00

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SCHEDULE II

BC HYDRO AND POWER AUTHORITY
FRASER VALLEY GAS DIVISION
CANADIAN PACIFIC RAIL CROSSINGS

AGREEMENT NUMBER	MILE POINT	LOCATION	SCO. MAP OR DRAWING	R/W OR R/A	CARRIER	ANNUAL RENTAL B.P.A.
** MISSION SUBDIVISION						
PV 6060	0.3	RIVERSIDE RD. CONNECTOR LOOP	FV 1326 2116-C	R/A	8"	0.00
PV 6237 37875	0.365	MISSION BRIDGE TO CN R/W LONDON ST., MISSION	914-D6 B 1447 3279-C & R/W 2525-C 666-1	R/W	6"	10.00 907739
PV 7135	1.01 (NATSQU)	GLADWIN RD., NATSQUI (NORTH TRACK ONLY WITHIN CN R/W)	A3 2095 8993-C	R/A	2"	0.00
PV 4688	2.22	OLAF ST., NATSQUI	912-A FV 406 922-A-5	R/W	2"	0.00
PV 5390	2.46	HARRIS RD., NATSQUI	FV 899 1583	R/A	2"	0.00
PV 6105	2.46	HARRIS RD. ABBOS. MISS. HWY., NATSQUI	922-C-1 FV 1382 2527-C	R/A	4"	5.00
PV 7085 46342	2.97	HALLERT RD., NATSQUI	& 8020-C 922-C- B 1831 8325-C	R/A	2"	20.00 011448
PV 6082 36610	4.17	CLAYBURN ROAD, NATSQUI	922-C3 B 1361 2518-C	R/W	4"	10.00 7727
PV 5452	5.04	MCCALLUM ROAD & WOREY ROAD, NATSQUI	920-3 FV 925 1790	R/W	1 1/4"	0.00
PV 5356 71490V	6.43	PINE ST. STORES #36 CROSSING, ABBOTSFORD	909-B2 FV 22 1393	R/W	3/4"	5.00 001310
PV 4463 26595	6.50	HAZEL ST. ABBOTS. MISS HWY., ABBOTSFORD	ORIG. GRID 942-A3	R/W	8"	10.00 006500
PV 5111 44463	7.00	C.P.R. STATION RAILWAY S/O ESSENDENE, ABBOTSFORD	4-3 FV 959 2140	R/W	1 1/2"	0.00
PV 5111 44463	7.00	RIVERSIDE RD. CYRIL ST. S. OF SENTINEL, ABBOTSFORD	942-A5 B 1718 7081-C	R/W	8"	20.00 001405
PV 5111 44463	7.04	MARSHALL RD., ABBOTSFORD	942-C2 FV 1682 2-2	R/W	8"	10.00 001185
PV 4648 ABANDONED SCO 1024-1	7.81	121 AVE ROAD, ABBOTSFORD	942-C4 FV 231 ORIG. GRID 942-C5	R/W	8"	0.00
PV 5072	8.30	MILE SPUR RIVERSIDE RD. S/O KING SUMAS, PAC.	FV 24 ORIG. GRID 942-C5	R/A	8"	0.00
PV 4070 897075	8.30	7VE RD., SUMAS	1255 940-B 4-4	R/A	8"	0.00
PV 4070 897075	8.30	TRANSMISSION SYSTEM CROSSING OF CPE	2L 9234	R/W	10" (IMPROVED) EAD	5.00 001431
PV 4070 897075	8.3	R/W W. OF "C" ST., ABBOTSFORD	N 65155 FV 1146	R/W	10" (WTP)	5.00
PV 5547 46547D	8.35	4TH ST., BUNTINGDON	FV 1122 523-C	R/W	8"	10.00 002025
PV 7124 46555	10.00	INTERNATIONAL AVE., BUNTINGDON	940-D B 1831 5"22-C	R/W	1 1/4"	20.00 002075

DATED _____ 19 _____

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

74280 B.C. LTD.

A G R E E M E N T

OWEN, BIRD,
BARRISTERS AND SOLICITORS,
2800-595 Burrard Street,
VANCOUVER, B.C.
V7X 1J5
(688-0401)

RJA:js

File #1166/9

Ministry of Forests & Lands (Ministry of Parks)
+ licence/tenure

THIS AGREEMENT made as of the 16th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter referred to as the "Assignor")

OF THE FIRST PART

AND:

74280 B.C. LTD., a company incorporated under
the laws of the Province of British Columbia,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1T3

(hereinafter referred to as the "Assignee")

OF THE SECOND PART

WHEREAS by asset transfer agreement entered into as of July 15, 1988 between the Assignor as vendor and the Assignee as purchaser (the "Asset Transfer Agreement") the Assignor agreed to sell and the Assignee agreed to purchase certain rights, property and assets of the Assignor, including, and without limiting the generality of the foregoing, its Gas Distribution System as defined in the Asset Transfer Agreement;

WHEREAS by various agreements made between the person listed in the Schedule hereto or any of its predecessors in interest (the "Grantor") and the Assignor or any of its predecessors in interest (the "Grantee"), the Grantor granted to the Grantee certain leases, licenses, permits or rights-of-way in respect of the installation, operation, and maintenance of a portion of the Gas Distribution System over the lands of the Grantor (the "Grants");

AND WHEREAS pursuant to the Asset Transfer Agreement the Assignor has agreed to sell to the Assignee and the Assignee has agreed to purchase from the Assignor, inter alia, all the right, title, interest, privilege and advantage of, in and to the Grants and the agreements by which they were granted, including and without limiting the generality of the foregoing, those agreements which are more particularly set forth in the Schedule hereto (the "Agreements").

NOW THIS AGREEMENT WITNESSETH that in consideration of the sum of ONE DOLLAR (\$1.00) and other good and valuable consideration now paid by the Assignee to the Assignor (the receipt whereof the Assignor acknowledges) the Assignor does hereby grant, assign, transfer and set over unto the Assignee, its successors and assigns, the Grants and the Agreements and all the right, title, interest, privilege and advantage thereto, therein and thereof, to have and to hold the same unto and to the use of the Assignee forever subject to the terms, covenants and conditions in the Agreements contained.

AND the Assignee in consideration of the premises, and for itself, its successors and assigns, promises and agrees with the Assignor, and its respective successors and assigns, that it will take the assignment of the Grants subject to all and each of the covenants and conditions therein contained and made and entered into by the Assignor in the Agreements and it will be bound by and keep and observe and perform the same in the same manner and to the same extent as if it had originally been bound by the Agreements of and from the date hereof.

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THIS AGREEMENT shall ensure to the benefit of and be binding upon the parties hereto and their respective successors and assigns.

IN WITNESS WHEREOF the parties hereto have hereunto affixed their corporate seals under the hands of their proper officers in that behalf on the day and year first above-written.

SIGNED, SEALED and DELIVERED)
on behalf of BRITISH COLUMBIA)
HYDRO AND POWER AUTHORITY in)
the presence of:)

A. McPherson)
Name 9 - 1045 HOWE STREET)
VANCOUVER, B.C.)
V6Z 2B1)
Address)
Karl Hues Arndt)
Occupation)

SIGNED, SEALED and DELIVERED)
on behalf of 74280 B.C. LTD.)
in the presence of:)

[Signature])
Name)
970 Burrard St.)
Address Van. B.C.)
Lawyer)
Occupation)

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY by its
Attorneys-In-Fact

[Signature])
[Signature])

APPROVED
as to substance
[Signature]
Senior Land Solicitor
B.C. HYDRO

J.P. Shueh



SCHEDULE

GRANTOR: **Ministry of Forests and Lands (B.C.)**

AGREEMENTS:

	<u>DATE</u>	<u>LOCATION</u>
1.	January 26, 1962	Order In Council No. 205
2.		Order In Council No. 961
3.	June 21, 1962	Order In Council No. 1619
4.	October 8, 1963	Order In Council No. 2563
5.		Order In Council No. 2258
6.	August 22, 1969	Order In Council No. 2688
7.	1972	Order In Council No. 479
8.	November 2, 1978	Agreement
9.	October 7, 1981	Agreement
10.	March 29, 1983	Agreement
11.	April 5, 1983	Agreement
12.	June 23, 1984	Agreement
13.	April 22, 1985	Agreement

DATED 19

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

74280 B.C. LTD.

A G R E E M E N T

OWEN, BIRD,
BARRISTERS AND SOLICITORS,
2800-595 Burrard Street,
VANCOUVER, B.C.
V7X 1J5
(688-0401)

RJA:js File #1166/9

THIS AGREEMENT made as of the 16th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter referred to as the "Assignor")

OF THE FIRST PART

AND:

74280 B.C. LTD., a company incorporated under
the laws of the Province of British Columbia,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1T3

(hereinafter referred to as the "Assignee")

OF THE SECOND PART

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IN WITNESS WHEREOF the parties hereto have hereunto affixed their corporate seals under the hands of their proper officers in that behalf on the day and year first above-written.

SIGNED, SEALED and DELIVERED)
on behalf of BRITISH COLUMBIA)
HYDRO AND POWER AUTHORITY in)
the presence of:)

A. MacPherson
Name 9 - 1045 HOWE STREET
VANCOUVER, B.C.
V6Z 2B1

Address *Legal Sec. Secretary*
Occupation)

SIGNED, SEALED and DELIVERED)
on behalf of 74280 B.C. LTD.)
in the presence of:)

D. Smith
Name 970 Burrard St. Van., B.C.
Address *Lawyer*
Occupation)

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY by its
Attorneys-In-Fact

[Signature]
[Signature]



J.P. Shueh



SCHEDULE

GRANTOR: Minister of Indian & Northern Affairs (Canada)

AGREEMENTS:

<u>DATE</u>	<u>LEGAL DESCRIPTION</u>
1. September 1, 1960	Capilano Indian Reserve No. 5
2. November 27, 1957	Capilano Indian Reserve No. 5
3. September 2, 1960	Seymour Creek Indian Reserve No. 2 re: B.C. Electric drawing #GM1082
4. March 25, 1965	Seymour Creek Indian Reserve No. 2 re: B.C. Hydro drawing #GX2296
5. 1967	Musqueam Indian Reserve No. 2
6.	Burrard Indian Reserve No. 3
7. January 26, 1960	Mission Indian Reserve No. 1
8. September 20, 1985	Cheam Indian Reserve No. 1
9. March 6, 1968	Tsawwassen Indian Reserve
10. December 17, 1971	Tsawwassen Indian Reserve
11. December 3, 1969	Langley Indian Reserve No. 2 re: B.C. Hydro drawing #FVK1345



DATED _____ 19 _____

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

74280 B.C. LTD.

A G R E E M E N T

OWEN, BIRD,
BARRISTERS AND SOLICITORS,
2800-595 Burrard Street,
VANCOUVER, B.C.
V7X 1J5
(688-0401)

RJA:js File #1166/9

THIS AGREEMENT made as of the 16th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter referred to as the "Assignor")

OF THE FIRST PART

AND:

74280 B.C. LTD., a company incorporated under
the laws of the Province of British Columbia,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1T3

(hereinafter referred to as the "Assignee")

OF THE SECOND PART

WHEREAS by asset transfer agreement entered into as of July 15, 1988 between the Assignor as vendor and the Assignee as purchaser (the "Asset Transfer Agreement") the Assignor agreed to sell and the Assignee agreed to purchase certain rights, property and assets of the Assignor, including, and without limiting the generality of the foregoing, its Gas Distribution System as defined in the Asset Transfer Agreement;

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IN WITNESS WHEREOF the parties hereto have hereunto affixed their corporate seals under the hands of their proper officers in that behalf on the day and year first above-written.

SIGNED, SEALED and DELIVERED
on behalf of BRITISH COLUMBIA
HYDRO AND POWER AUTHORITY in
the presence of:

A MacKinnon
Name - 1045 HOWE STREET
VANCOUVER, B.C.
V6Z 2B1

Address
Legal Area Secretary
Occupation

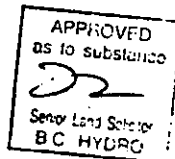
SIGNED, SEALED and DELIVERED
on behalf of 74280 B.C. LTD.
in the presence of:

A. Burnett
Name
770 Burrard St. Van. B.C.
Address

Lawyer
Occupation

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY by its
Attorneys-In-Fact

[Signature]
[Signature]



J.P. Shuck

On behalf of Her Majesty in right of Canada, represented by the Minister of National Defence, consent is hereby given to the assignment by British Columbia Hydro & Power Authority ("BC Hydro") to 74280 B.C. Ltd. of BC Hydro's rights and interest in the agreement listed as No. 1 in the Schedule hereto

[Signature]
C. J. Crowe, Director General
Properties & Utilities
Department of National Defence

SCHEDULE

GRANTOR:
GRANTEE:
AGREEMENTS:

HER MAJESTY in right of CANADA
Department of National Defence (Canada)
BRITISH COLUMBIA ELECTRIC COMPANY LIMITED

DATE

LOCATION

1. August 12, 1960

Jericho Beach, Vancouver

for Grantor

A large, stylized handwritten signature in black ink, appearing to be a cursive representation of a name.A small, handwritten mark or signature in black ink, consisting of a simple, curved line.

Minister of Transport - Vancouver Airport

THIS AGREEMENT made as of the 16th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter referred to as the "**Assignor**")

OF THE FIRST PART

AND:

74280 B.C. LTD., a company incorporated under
the laws of the Province of British Columbia,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1T3

(hereinafter referred to as the "**Assignee**")

OF THE SECOND PART

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AND WHEREAS pursuant to the Asset Transfer Agreement the Assignor has agreed to sell to the Assignee and the Assignee has agreed to purchase from the Assignor, inter alia, all the right, title, interest, privilege and advantage of, in and to the Grants and the agreements by which they were granted, including and without limiting the generality of the foregoing, those agreements which are more particularly set forth in the Schedule hereto (the "Agreements").

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SIGNED, SEALED and DELIVERED)
on behalf of BRITISH COLUMBIA)
HYDRO AND POWER AUTHORITY in)
the presence of:)


J. P. Shantz)
Name)
970 Burrard St, Vancouver)
Address) B.C.
Solicitor)
Occupation)

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY by its
Attorneys-In-Fact

[Signature]
[Signature]

SIGNED, SEALED and DELIVERED)
on behalf of 74280 B.C. LTD.)
in the presence of:)

J. P. Shantz)
Name)
_____))
Address)
_____))
Occupation)

[Handwritten mark]
APPROVED
as to substance
[Signature]
Senior Land Solicitor
B.C. HYDRO

SCHEDULE

GRANTOR: Minister of Transport

AGREEMENTS:

	<u>DATE</u>	<u>LOCATION</u>
1.	January 1, 1969 as renewed to January 1, 1989	Vancouver Airport
2.	January 1, 1988	Vancouver Airport

a

DATED 19

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

74280 B.C. LTD.

A G R E E M E N T

OWEN, BIRD,
BARRISTERS AND SOLICITORS,
2800-595 Burrard Street,
VANCOUVER, B.C.
V7X 1J5
(688-0401)

RJA:js File #1166/9

THIS AGREEMENT made as of the 16th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter referred to as the "Assignor")

OF THE FIRST PART

AND:

74280 B.C. LTD., a company incorporated under
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(hereinafter referred to as the "Assignee")

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SIGNED, SEALED and DELIVERED)
on behalf of BRITISH COLUMBIA)
HYDRO AND POWER AUTHORITY in)
the presence of:)

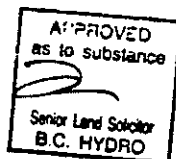
A MacPherson
Name 9 - 1045 HOWE STREET)
VANCOUVER, B.C.)
V6Z 2B1)
Address)
Legal Secy Secretary
Occupation)

SIGNED, SEALED and DELIVERED)
on behalf of 74280 B.C. LTD.)
in the presence of:)

D. Bennett
Name 970 Burrard St., Van. B. C.)
Address)
Lawyer
Occupation)

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY by its
Attorneys-In-Fact

[Signature]
[Signature]



J. T. Shee



SCHEDULE

GRANTOR: Vancouver Port Corporation

AGREEMENTS:

DATE

LOCATION

1. September 16, 1959 Vancouver Harbour

a

DATED _____ 19 _____

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

74280 B.C. LTD.

A G R E E M E N T

OWEN, BIRD,
BARRISTERS AND SOLICITORS,
2800-595 Burrard Street,
VANCOUVER, B.C.
V7X 1J5
(688-0401)

RJA:js File #1166/9

THIS AGREEMENT made as of the 16th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter referred to as the "Assignor")

OF THE FIRST PART

AND:

74280 B.C. LTD., a company incorporated under
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of 970 Burrard Street, in the City of Vancouver,
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(hereinafter referred to as the "Assignee")

OF THE SECOND PART

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SIGNED, SEALED and DELIVERED)
on behalf of BRITISH COLUMBIA)
HYDRO AND POWER AUTHORITY in)
the presence of:)

 A MacPherson)
Name 9 - 1045 HOWE STREET)
VANCOUVER, B.C.)
Address V6Z 2B1)
Legal Secy Secretary)
Occupation)

SIGNED, SEALED and DELIVERED)
on behalf of 74280 B.C. LTD.)
in the presence of:)

James A)
Name)
970 Burnard St., Van. B.C.)
Address)
Lawyer)
Occupation)

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY by its
Attorneys-In-Fact

[Signature] 
[Signature] 



J. T. Shuck

SCHEDULE

GRANTOR: Fraser River Harbour Commission

AGREEMENTS:

<u>DATE</u>	<u>LOCATION</u>
1. September 1, 1958	Portion of the foreshore and bed of Pitt River, in Sections 16 and 17, Block 6 North, Range 1 East, New Westminster District
2. February 23, 1962	Portion of the foreshore and bed of Fraser River lying between the northerly boundary of Section 1, Block 5 North, Range 2 West of Coast Meridian and the Southerly boundary of Lot 7, New Westminster District
3. January 1, 1957 as extended August 25, 1977	Portion of the bed of the North Arm of the Fraser River fronting on Wood Street, Lulu Island



DATED _____ 19 _____

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

74280 B.C. LTD.

A G R E E M E N T

OWEN, BIRD,
BARRISTERS AND SOLICITORS,
2800-595 Burrard Street,
VANCOUVER, B.C.
V7X 1J5
(688-0401)

RJA:js

File #1166/9

THIS AGREEMENT made as of the 16th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter referred to as the "Assignor")

OF THE FIRST PART

AND:

74280 B.C. LTD., a company incorporated under
the laws of the Province of British Columbia,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1T3

(hereinafter referred to as the "Assignee")

OF THE SECOND PART

WHEREAS by asset transfer agreement entered into as of July 15, 1988 between the Assignor as vendor and the Assignee as purchaser (the "Asset Transfer Agreement") the Assignor agreed to sell and the Assignee agreed to purchase certain rights, property and assets of the Assignor, including, and without limiting the generality of the foregoing, its Gas Distribution System as defined in the Asset Transfer Agreement;

WHEREAS by various agreements made between the person listed in the Schedule hereto or any of its predecessors in interest (the "Grantor") and the Assignor or any of its predecessors in interest (the "Grantee"), the Grantor granted to the Grantee certain leases, licenses, permits or rights-of-way in respect of the installation, operation, and maintenance of a portion of the Gas Distribution System over the lands of the Grantor (the "Grants");

AND WHEREAS pursuant to the Asset Transfer Agreement the Assignor has agreed to sell to the Assignee and the Assignee has agreed to purchase from the Assignor, inter alia, all the right, title, interest, privilege and advantage of, in and to the Grants and the agreements by which they were granted, including and without limiting the generality of the foregoing, those agreements which are more particularly set forth in the Schedule hereto (the "Agreements").

NOW THIS AGREEMENT WITNESSETH that in consideration of the sum of ONE DOLLAR (\$1.00) and other good and valuable consideration now paid by the Assignee to the Assignor (the receipt whereof the Assignor acknowledges) the Assignor does hereby grant, assign, transfer and set over unto the Assignee, its successors and assigns, the Grants and the Agreements and all the right, title, interest, privilege and advantage thereto, therein and thereof, to have and to hold the same unto and to the use of the Assignee forever subject to the terms, covenants and conditions in the Agreements contained.

AND the Assignee in consideration of the premises, and for itself, its successors and assigns, promises and agrees with the Assignor, and its respective successors and assigns, that it will take the assignment of the Grants subject to all and each of the covenants and conditions therein contained and made and entered into by the Assignor in the Agreements and it will be bound by and keep and observe and perform the same in the same manner and to the same extent as if it had originally been bound by the Agreements of and from the date hereof.

The parties hereto expressly agree that in those instances where the Grants are capable of assignment only with the consent of the Grantor, this assignment shall not take effect until the Grantor has consented thereto.

THIS AGREEMENT shall ensure to the benefit of and be binding upon the parties hereto and their respective successors and assigns.

IN WITNESS WHEREOF the parties hereto have hereunto affixed their corporate seals under the hands of their proper officers in that behalf on the day and year first above-written.

SIGNED, SEALED and DELIVERED)
on behalf of BRITISH COLUMBIA)
HYDRO AND POWER AUTHORITY in)
the presence of:)

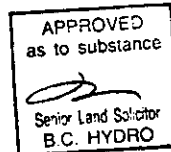
A MacPherson)
Name 9 - 1045 HOWE STREET)
VANCOUVER, B.C.)
V6Z 2B1)
Address)
Legal Sec. Secretary)
900-1045 Howe St.)
Occupation)

SIGNED, SEALED and DELIVERED)
on behalf of 74280 B.C. LTD.)
in the presence of:)

Barnett)
Name)
970 Burrard St., Van. B.C.)
Address)
Lawyer)
Occupation)

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY by its
Attorneys-In-Fact

[Signature])
[Signature])



J.P. Shah.

REGISTERED
374

SCHEDULE

GRANTOR: **North Fraser Harbour Commission**

AGREEMENTS:

<u>DATE</u>	<u>LOCATION</u>
1. October 1, 1986 replacing Lease dated January 1, 1957	Portion of the foreshore and bed of the North Arm of the Fraser River from Wood Street, Lulu Island, District Lot 757 (Plan 2620), Group 1, N.W.D.

DATED _____ 19 _____

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

74280 B.C. LTD.

A G R E E M E N T

OWEN, BIRD,
BARRISTERS AND SOLICITORS,
2800-595 Burrard Street,
VANCOUVER, B.C.
V7X 1J5
(688-0401)

RJA:js File #1166/9

THIS AGREEMENT made as of the 16th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter referred to as the "**Assignor**")

OF THE FIRST PART

AND:

B.C. GAS INC., a company incorporated under
the laws of the Province of British Columbia,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1T3

(hereinafter referred to as the "**Assignee**")

OF THE SECOND PART

WHEREAS by asset transfer agreement entered into as of July 15, 1988 between the Assignor as vendor and the Assignee as purchaser (the "Asset Transfer Agreement") the Assignor agreed to sell and the Assignee agreed to purchase certain rights, property and assets of the Assignor, including, and without limiting the generality of the foregoing, its Gas Distribution System as defined in the Asset Transfer Agreement;

WHEREAS by various stamp permits and other agreements with respect to railway crossings listed in the Schedule hereto the Assignor acquired permissions in respect of the installation, crossing, operation, and maintenance of a portion of the Gas Distribution System over the lands therein described (the "Permissions");

AND WHEREAS pursuant to the Asset Transfer Agreement the Assignor has agreed to sell to the Assignee and the Assignee has agreed to purchase from the Assignor, inter alia, all the right, title, interest, privilege and advantage of, in and to the Permissions and the agreements by which they were granted, including and without limiting the generality of the foregoing, those agreements which are more particularly set forth in the Schedule hereto (the "Agreements").


NOW THIS AGREEMENT WITNESSETH that in consideration of the sum of ONE DOLLAR (\$1.00) and other good and valuable consideration now paid by the Assignee to the Assignor (the receipt whereof the Assignor acknowledges) the Assignor does hereby grant, assign, transfer and set over unto the Assignee, its successors and assigns, the Permissions and the Agreements and all the right, title, interest, privilege and advantage thereto, therein and thereof, to have and to hold the same unto and to the use of the Assignee forever subject to the terms, covenants and conditions in the Agreements contained.

AND the Assignee in consideration of the premises, and for itself, its successors and assigns, promises and agrees with the Assignor, and its respective successors and assigns, that it will take the assignment of the Permissions subject to all and each of the covenants and conditions therein contained and made and entered into by the Assignor in the Agreements and it will be bound by and keep and observe and perform the same in the same manner and to the same extent as if it had originally been bound by the Agreements of and from the date hereof.

THIS AGREEMENT shall enure to the benefit of and be binding upon the parties hereto and their respective successors and assigns.

IN WITNESS WHEREOF the parties hereto have hereunto
affixed their corporate seals under the hands of their proper
officers in that behalf on the day and year first above-written.

SIGNED, SEALED and DELIVERED)
on behalf of BRITISH COLUMBIA)
HYDRO AND POWER AUTHORITY in)
the presence of:)


A MacPherson)
Name - 1045 HOWE STREET)
VANCOUVER, B.C.)
V6Z 2B1)

Address)
Legal Secs Secretary)
Occupation)

SIGNED, SEALED and DELIVERED)
on behalf of B.C. GAS INC.)
in the presence of:)

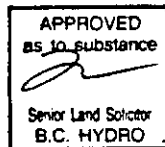
Paul J. Kline)
Name)

Address)

Occupation)

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY by its
Attorneys-In-Fact

James)
Daniel Ship)



RJA:4

GAS MAIN CROSSINGS OF HYDRO RAIL TRACKAGE (METRO AREA)

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
Lakewood Dr crossing 30" trunk 1200 line inside 42" casing				76/84	8-P-12	
Lakewood Dr 3/4" running parallel to ROW				8678C/81	8-P-12	
Walker St - crossing 2H line crossing				644C/71	8-P-12	
Walker St 2H line running parallel to ROW				644C/71	8-P-12	
18" trunk 1200 line crossing ROW at Slocan St				2358/84	9-0-1	
3H inside 8" casing crossing at Joyce				744C/71	9-0-9	
3/4H crossing between Smith & Kingsway				6947C/78	10-0-10	
6H crossing at Smith				31D/82	10-0-10	
2H crossing at Patterson				800/83	10-N-1	
4H crossing at Kathleen				9456/84	10-N-2	
2H crossing near Telford				169D/83	10-N-5	
2H crossing near Silver				169D/83	10-N-5	
2H crossing at McKay					10-N-5	
2H crossing at Cassie				9456/84	10-N-5	
2H crossing between Dow & Bonsor				3720/83	10-N-6	
2H service crossing west of Dow to serve Metrotown				34268/86	10-N-6	
6H crossing at Jubilee				4728B/65	10-N-9	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
20 trunk crossing east of Merritt				950/83	11-N-7	
2H crossing at MacPherson				1790/83	11-N-7	
3H crossing at Royal Oak				37188/65	11-N-7	
2H crossing at Buller					11-N-11	
2H crossing at Gilley				800504/87	11-N-11	
2H crossing at Conway				R873/55	11-N-11	
2H crossing at Mission				2862C/73	11-N-12	
2H crossing Griffiths				5715A/58	11-N-12	
2H crossing at Salisbury				R583/41	11-N-12	
6T crossing near 18th Ave & 10th St				9982C/83	11-M-3	
2H crossing at Stride				50/84	11-M-3	
1 crossing near 14th Ave & 20th Street				17458/83	12-M-4	
1-1/4H crossing at 16th St					12-N-10	
6T crossing at 20th St					12-M-8	
4H crossing at Third Ave				42318/67	12-M-9	



GAS SERVICE LINE CROSSINGS OF HYDRO RAIL TRACKAGE (METRO AREA)

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
22nd St & BCHA Railway			GK 29			
Gilmore Ave & BCHA			GK 49			
Ewen Ave at Lawrence St			GK 119			
16th St between 5th and 6th Ave NW			GK 128			
22nd St and 7th Ave, Bby			GK 129			
BCHA Rly 600' SE of Kingsway Burnaby			GK 141			
BCHA Rly Crossing at Patterson Rd Richmond			GK 151			
BCHA tracks at 3rd Ave at 13th St NW			GK 206			
PA tracks at Columbia St & Royal Ave NW			GK 208			
BCHA track at Ewen Ave & Jardine St NW			GK 217			
BCHA R/W at Greenall Ave South Burnaby			GK 234			
BCHA tracks at 3rd Ave & 14th St, NW Cross Ref CPR			GK 207			
BCHA tracks at 637 Ft NPL Ewen Ave on Jardine St in Queensborough			GK 327			
BCHA tracks at Earles St and Vanness Ave			GK 310			
BCER R/W - Annacis Island			GK 429			
BCHA R/W on Griffiths S. Burnaby			GK 2454			
BCHA R/W - Annacis Island			GK 2449			



<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
service Jardine St Queensborough			GK 672			
Beresford and Daisy Ave Burnaby			GK 690			
Kingsway and BCHA Vancouver			GK 697			
Ewen and Furness PME 7245A			GK 795			
BCHA Spur Stanley and Ewen, Queensborough			GK 827			
Ewen & Howes, Queens- borough PME 8283A			GK 897			
To serve Project No. 1195 Annacis Island			GK 2445			
4" service crossing to serve Project 1195			GK 2444			
14th & 15th Ave on h St, NW			GK 2443			
BCHA Xing at 17th Ave & Arbutus			GK 1280			
3/4" TP service crossing BCHA 220' E of Stanley St on Ewen St, NW			GK 1458		N27	
3/4" service Xing, BCHA R/R at Ewen St & 193' E Stanley St, NW			GK 1487	48262	N27	
3/4" TP service crossing BCHA Rly at 225' W of Mercer St, NW			GK 1508	48325	N27	
2" HP gas main Xing under V & LI R/R trestle Riverside Dr, Rmd, Cross Ref V & LI			GK 1537			



<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
' gas main Rly Xing BCHPA E of Derwent Way x 177' N N/PL of unnamed road			GK 1566	49004	P27	
1/2" service Xing BCHPA Rly at 681' W W/P1 Patterson Ave Bby			GK 1655	26952	120	
1/2" service Xing BCHPA Rly at 110' South SWC Blackley on Mercer NW			GK 1734	57384	N27	
1/2" service Xing BCHPA Rly at 276' E NWC Stanley on Ewen, NW			GK 1845	58900	N27	
3/4" service Xing BCHPA R/W x Derwent Way North of Caldew St Annacis Island			GK 1851		P27	
Xing at Mercer & Ewen St Queensborough			GK 1864	61702	N27	
R/R Xing to serve Pacific Elevators Ltd. foot of Isbury St Vancouver			GK 2396	4530B	10A	
R/R Xing Ewen & Fenton			GK 2554	99935	027	
R/R Xing Ewen & Campbell			GK 2194			
R/R Xing Audley Blvd. & BCHPA R/W			GK 2593			
R/R Xing to serve 802 Ewen New Westminster	1.42		GK 2865	118393	026, 27	
R/R Xing to serve 1032 Ewen New Westminster	1.79		GK 2868	118427	026	
R/R Xing to serve 930 Ewen New Westminster		411-2135.4	GK 2878	118537	026	
R/R Xing 4" main on Front St and 880' E of 6th NW Cross Reference CNR			GK 2892	5098B(sec3)	WA8, L29	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
Xing 4" main on Front St 190' W of Elliott NW			GK 2893	5098B9(sec4)	WA9, L29	
1/2 HP Service to 534 Ewen Ave NW		408-2135	GK 2913	118700	027	
4 HP main on Milton St Vcr Cross Ref CPR	5.77	PV 5843	GK 2914	5561B	86B	
12 HP main at First Ave & BCHPA R/R Vcr Cross Reference to CPR & V & LI	0.29	PV 4303	GK 2958	X23857		
3 HP at 16th St and 5th Ave NW Cross Reference V & LI and CN		PV 5877	GK 3042	6233B		
1/2 TP at Ewen Ave at Stanley			GK 3045	93942	N27	
4 HP Cliveden at BCHPA Annacis Island			GK 3047	5982B	Q27	
18 TP Slocan at BCHPA Vancouver	4.45		GK 3051	6261B	39A	
1/4" service Xing BCHPA 632 Belgrave Way Annacis Way	0.20		GK 3085	94498	P27	
3/4 TP Service Xing BCHPA Sauder Industries NW		411-2135.4	GK 4010	77188	N28	
3 TP Xing at Fenton St on Salter	33.0	412-2135.4	GK 4026	7015B	027	
3" HP Xing BCHPA Furniss St on Ewen NW		411-2135.4	GK 4028	7609B	N28	
6 HP Xing BCHPA Stanley on NW			GK 4034	7718B	N27, N28, 027	
1-1/4 TP Serv Cartwright at Johnson Reference NHB			GK 4039	86741	22D	
2 HP Xing Watling & Buller			GK 4055	7334B		
2 TP Xing BCHPA R/R at Crompton St on Kent Ave South Vancouver			GK 4073	7911B	82C	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
1/2" Tp Xing at Johnston on Duranleau National Harbour Board			GK 4080	89101		Approved By Letter
3/4 Tp Xing at Anderson & Duranleau National Harbour Board			GK 4081	8819B		
1/2" HP service Xing Mercer & Duncan		411-2135.4	GK 4101	139911	N27	
3/4 HP service Xing BCHPA R/R at 811 Cundy Annacis Is	0.30	411-2135.4	GK 4239		Q27	
Prop 1-1/4" HP service to 694 Derwent Way, Annacis Is		411-2135.4	GK 4266			
Prop 4" HP Xing BCHPA on Gifford St NW		411-2101.1	GK 4261	177C	026	
Prop 4" TP Xing BCHPA on V & LI CBR R/W at Ash St	0.64	PV-6120	GK 4277	317C	84B	
4 TP Xing BCHPA on CPR, BCHPA & V & LI R/W at Weather St Vancouver	0.49	PV-6122	GK 4279	317C	84B	
1-1/4" H Serv to 644 Derwent Way Annacis Is Delta		411-2135.4	GK 4296		P27	
4 H Xing BCHPA R/R at Columbia St NW	0.17		GK 4287		447C	WB4
1/2" T service to Whistler equipment on Granville Isl Xing BCHPA on Johnston St			GK 4319		22D	
3/4 H serv to 785 Derwent Way Annacis Island Delta	0.49	412-2101.0	GK 4334		Q27	
2H main Silver & Beresford Burnaby	5.49		GM 4337	929C		
6H Xing at Smith & Kingsway Burnaby	6.28	465-2102.2	GM 4351	1030C		

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
1/4" H Xing BCHPA R/R at Edmonds & 16th St Dist of Bby	1.19	465-2135.4	GK 4379	1420	K25	
1-1/4" H service to 705-711-721-731 Derwent Way Xing BCHPA R/R	0.51	411-2135.4	GM 4381		P27	
1-1/4" H to 350 Columbia St Xing BCHPA on Front St	0.67		GA 4412		WA9	
3/4" H Xing BCHPA R/R at 199'6" S of NWC Carrall & Keefer St Vcr		457-21354	GA 4455	2399		
3/4" H service to 7272 Kingsway Xing BCHPA R/W at Edmonds St S of Kingsway Burnaby		465-2101	GA 4474		J25	
2 H Xing BCHPA R/R at Ewen Ave & Hampton St Queensborough			GA 4696	3224C	026,P26	
1/2 H service Xing PA R/R to serve 640 Belgrave Way Annacis Is			GA 4706		P27	
2" H Xing BCHPA R/R at Caldew Street & Belgrave Way			GA 4729	4110C	P27	
6" H Xing BCHPA R/R at 14th Ave on 19th St			GA 4731	3939C	L25	
1-1/4 H serv Xing to 610 Derwent Way Annacis Island			GA 4733	51469	P27	
1/2 H serve to 319 Ewen Avenue New West Xing BCHPA R/R			GA 4756	59759	N27	
6 H main Xing new BCHPA R/W spur Boundary Rd Richmond			GA 4796	47175		

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
H serv Xing BCHA near Smith & Kingsway Burnaby			GA 4808		H20, I20	
4 H serv to Tree Is. Steel Co Boundary Rd Richmond			GA 4812		026	
3/4 H main Xing R/W at Smith and Vanness			GA 4822	4960C	H20, I20	
1/2 T service Xing spur lines to 927 Derwent Way Annacis Island			GA 4863	50947		
2 H main (prop) Xing BCHA R/A at Beresford & Cassie			GA 4874	5296C	I21	
2 T (175) main Xing BCHA R/R at Annacis Island Parkway & Pembina			GA 4881	5436C		
2 T (175) Xing BCHA R/R at Dock Rd and Annacis Island Parkway			GA 4882	5436C	027	
Exist 6 T main Xing BCHA Spur on 20th Ave & 20th St Burnaby			GA4923		K24	
2 H main Xing BCHA Spur at Gilley and Rumble Burnaby			GA 4928	5570C	K24	
6 H main Xing BCHA on Taylor N of Georgia Viaduct			GA 4974	5615C	7-20	
4 T serv Xing prop. BCHA Spur to serve 1010 Derwent Way			GB 4984			
Exist. 6 H Xing BCHA R/R 29th and Kalso			GA 4721	3895C	39B	
2 T serv Xing BCHA Rly E of Derwent & N of Calden			GA 5075		P27	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
main Xing BCHA NW on Cliveden Ave, W of Carlisle Annacis Is			GA 5152	7387C	AN2	
6 T main Xing BCHA Rly on Cliveden Ave E of Chester Rd Annacis Island (AN-2)			GA 5192	7957C		
3/4 H main Xing BCHA Rly on Mercer St 148' S of Blackley St NW			GA 5202	8067C	N27	
3/4 H main Xing BCHA Rly on 23rd St S of 8th Avenue NW			GA 5237	8496C		
2 H main Xing BCHA Rly on Beresford St E of Buller Ave Burnaby (K-23)			GA 5285	8717C	K23	
3/4 H serv Xing BCHA Spur to serve 721 Alford Ave Annacis Island			GA 5288		AN3	
Existing 2 T serv Xing IPA Rly N of Belgrave Way 118' W of BCHA R/W NW			GA 5436		P27	
6 T Xing BCHA Rly 10th Ave at Meadow Ave Bby			GA 5437	9735C	M24	
2 H main Xing BCHA Rly on Patterson Ave & Beresford St Burnaby			GB 5463	80D	I20	
6 H main Xing BCHA Rly on Smith Ave & Kingsway, Burnaby			GB 5464	ID	H20	
20 T main Xing BCHA Rly E of Daisey Ave on S Beresford St			GA 5472	95D	J23, K23	
2 H main Xing BCHA Rly E of Dow & Beresford Burnaby			GA 5475	168D	J21	
2 H Xing BCHA Rly on Sussex Ave Bby			GA 5476	169D	J21, I21	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
Xing BCHA Rly on McPherson Ave & Beresford St Bby			GA 5478	179D	J23	
3/4 H main Xing BCHA Rly on 20th St & Stride Ave Burnaby			GA 5480	191D	L25	
6 T main Xing BCHA Rly 120-1/2' N of 18th Ave & E of 20th St Burnaby			GA 5488	9982C	K24,25	
2 H main Xing BCHA Rly on London St W of 23rd St NW			GA 5501	283D		
1/2 H service Xing BCHA Rly to 309 Jardine St NW			GA 5507		026	
3/4 H service Xing BCHA Rly at 236 Front St			GA 5523		WA9	
1/2 H main Xing BCHA at Stride & 20th			GB 5544	000050	L25	
2 H main Xing BCHA R/W at Beresford & Cassie			GA 5565	009456	I21	
2 H main Xing BCHA R/W at Beresford & Kathleen			GA 5566	009456	10-N-2	
NPS 4AIR (420)/T (700) main Xing BCHA Rly at Annacis Island Causeway			GA 5638	029925	12-L-9	
2 H Xing BCHA at 6th & Front, NW			GA 5641	035151	13-M-8	
NPS 1/2 H serv Xing BCHA Rly to serve 105 E Ewen St NW			GA 5656		12-L-3	
1-1/4" H service Xing BCHA Rly to serve 102 Ewen St NW			GA 5669		12-L-3	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/ File No.</u>	<u>Dwg. No.</u>	<u>GCO/ GSO</u>	<u>Map No.</u>	<u>Remarks</u>
3/4 H service branch along BCHPA Rly to serve 105 A Ewen Avenue NW			GA 5707		12-L-3	

GAS CROSSINGS OF HYDRO RAIL TRACKAGE (FRASER VALLEY AREA)

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GCO/GSO</u>	<u>Map No.</u>	<u>Remarks</u>
B.C.E.R. R/W Chwk. Reg. Stn. to Cheam Ave., Chilliwack	-	Dated 1957 06 19	FV 119	-	42-K-5/ 8/11 42-J-2/ 5/9	Trackage removed N of CN Rail
Cheam Ave., Chilliwack	-	Dated 1957 06 19	FV 119	-	42-K-5	Trackage removed N of CN Rail
Hope Ave., Chilliwack	-	Dated 1957 06 19	FV 94	-	42-K-5	Trackage removed N of CN Rail
Cheam Ave., Chilliwack	-	Dated 1957 06 19	FV 93	-	42-K-5	Trackage removed N of CN Rail
Knight Rd., Chilliwack	-	Dated 1958 11 05	FV 578	3952-A	42-J-11	
Yale Rd. @ Lane S. of Alexander, Chilliwack (Shell Oil Spur)	-	Dated 1958 01 21	FV 368	-	42-K-8	Trackage removed N of CN Rail
Hocking Ave., Chilliwack	-	Dated 1957 11 13	FV 281 FV 332	-	42-K-11	
Vedder Rd., Chilliwack	-	Dated 1957 10 30	FV 291	-	42-I-1	
Pruce Dr., Chilliwack	-	Dated 1957 10 30	FV 291	-	42-I-4	
South Sumas Rd., Chilliwack	59.18	VC5918	FVm 879 B 1064	1298	41-H-1	
Unsworth Rd., Chilliwack	59.31	Dated 1962 06 26	-	1362 (Abandoned)	41-I-11 41-H-2	See GCO 4889-C
Yarrow Central Rd., Chilliwack	55.75 Dist.3	VC5575	FVm 940	Applied 1954 Installed 2321	39-F-3	
Wilson Rd., Chilliwack	Dist.3	-	-	1948	39-F-6	See GCO 122-C
South Sumas Rd., Chilliwack	-	474-2135.4 VC5918 & VC5918A	FVm 1064 FVm 879	69-C 1298	41-H-1	
Lickman Rd., Chilliwack	58.55	VC5855	FVm 1211	1125-C	40-H-6	
Unsworth Rd., Chilliwack	-	474-2101-0 VC5931	B 1559	4889-C	41-I-11 41-H-2	
Wilson Rd., Chilliwack	-	VC5524	-	122-C	39-F-6	
45823 Railway Ave., Chilliwack	-	VC6332	B 1708	-	-	

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<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GCO/GSO</u>	<u>Map No.</u>	<u>Remarks</u>
Keith Wilson Rd., Chilliwack	57.39	VG5739	B 1766	7511-C	40-H-10	
R/W North of Hocking Ave. (Relocation of 10" & for sewer work), Chilliwack	-	VG6250	-	9574-C	42-K-8	Not constructed
Airport Rd., Chilliwack	62.71	VG6271	-	2087-C	42-K-11	
45744 Yale Rd. West n/o Hocking Ave., Chilliwack	-	VG6250	A3-2201	303-Y	42-K-8	
Del Air Rd., Abbotsford	-	Dated 1957 10 24	FV 236	-	32-D-12	Abandoned on FV 598
Del Air Rd., Abbotsford	41.27	VG4073	FV 598	5902-A	32-D-12	Abandoned on GL01024-D
Hazel St., Abbotsford	-	-	FV 22	-	32-E-11	Abandoned, see GCO 2349-C
Vye Rd., Abbotsford	-	Dated 1962 03 30	-	1268	32-C-12	
South of Vye Rd., Abbotsford	-	-	GK 1279	-	33-C-10 32-C-12	
Sumas Way, Abbotsford (N. of 8th Ave.)	-	Dated 1962 03 30	-	1268	33-B-1	
Service to Stores #36, Abbotsford	39.17	VG3917	-	1393	32-E-11	
Pipeline Crossing South of Vye Rd., Abbotsford	-	-	-	-	33-C-10 32-C-12	Transmission 18, 30, 42" MTP
Marshall Rd., Abbotsford	7.63	VG4040	FVm 1053	-	32-D-9	
Cyril St., Abbotsford	-	VG3957	-	189-C	32-D-5/2	
4th Ave., Abbotsford	-	VG4264	FVm 1132	883-C	33-B-4	
Riverside Rd. to Cyril St. South of Sentinel, Abbotsford	-	VG4013	B 1753	7085-C	32-D-6	
1790 Interprovincial Highway, Abbotsford	-	Dated 1981 12 23	A3 2195	9948-C (305) 998-C	-	Not constructed
Hazel St., Abbotsford	-	472-2125.4 VG3927	-	2349-C	32-E-11	
Sumas Way at 1st Ave., Abbotsford	-	VG4284	A3 2133	8945-C	33-B-7	
34501 Vye Rd., Abbotsford	-	VG4188	A3 2226	-	32-C-12	
Lamson Rd., Abbotsford	-	VG4631	A3 2514	825237	35-C-10	Not constructed

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GCD/GSO</u>	<u>Map No.</u>	<u>Remarks</u>
Fadden Rd., Abbotsford	-	VG4581	A3 2519	825498	34-C-12	
39623 Vye Rd., Abbotsford	-	VG4934	A3 2399	14720	37-C-10	
Marion Rd., Abbotsford	-	VG4882	A3 2234	9978-C	36-C-12	
Arnold Rd., Abbotsford	-	VG4827	A3 2235	9978-C	36-C-11	
Townshipline Rd., Matsqui	-	64-5-69	-	2319	31-G-12	Cancelled August 1964 - see GCO 1224-C
Mt. Lehman Rd., Matsqui	-	VG3193	FVm 1009	2469	29-H-8	
Bradner Rd., Matsqui	29.27	VG2927	FVm 1039	-	-	
3013 Turner Rd., Matsqui	38.81	VG3881	-	1073	32-E-8	
Clayburn Rd., Matsqui	37.04 FV Branch	470-2135.4 VG3704	D 1361	2518-C	32-F-2	
33826 Morey Rd., Matsqui	39.07	470-2135.4 VD3907	FVm 1226	-	32-E-11	
Townshipline Rd., Matsqui	35.98	470-2135.2 VG3598	FVm 1224	4589-C	31-G-12	Not constructed
enmore Rd., Matsqui	34.37	VG3437	FVm 1225	1224-C	30-G-3	
MacClure Rd., Matsqui	38.56	VG3856	FVm 1346	2078-C	32-E-5	
3067 Turner Rd., Matsqui	-	470-2103.7 V3880	B 1459 R1	-	32-E-5	
Rand Rd., Matsqui	-	467-2101.0 VG2902	B 1573	4938-C	27-G-2	
Burgess Rd., Matsqui	-	VG3232	A3 2471	32099	29-H-9	
Ross Rd., Matsqui	-	VG3085	FVm 1316	1982-C	28-H-12	
Enterprise Ave., Matsqui	3809 FV Branch	414-2101.0 VG3809	-	2858-C	32-E-4	
Turner Rd., Matsqui	-	64-5-67 VG3870	-	2209	32-E-8	
56th Ave. at Baynes Rd., Matsqui	-	VG2837	B 1606	6137-C	27-G-1	
Baynes Rd., Matsqui	-	VG2831	-	825452	27-G-1	
Riverside Rd., Matsqui	40 + 14	-	X 43421 (B.C. Eng.)	32-F-1	-	
Riverside Rd., Matsqui	-	VG3664	B 1656	6081-C	32-F-1	
Industrial Ave., Matsqui	-	VG3832 (Supercedes VG3831)	B 1730	7185-C	26-H-1	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GCO/CSO</u>	<u>Map No.</u>	<u>Remarks</u>
Crush Cres., Langley	-	VG1942	-	PME 708	22-1-10	Abandoned on 6054-C
Howell Reg. Stn., Langley	-	467-2101.0 VG2642	GD 8031	4903-C	-	
64th Ave. @ 264th St., Langley	26.40	467-2102.2 VG2640	B 1566	5042-C	26-H-1	
Pipeline Crossing 232 St., Langley	-	-	N 43443 N 65448	-	23-1-2	Transmission 12" and 30" MTP
Pipeline Crossing Glover Rd., Langley	-	-	P 43858	-	21-H-5	Transmission 18" MTP
New Haven Borstal at 64th Ave. & Glover, Langley	-	467-2101.0 VG1877	D 1526	4401-C	21-H-3	Not constructed
Glover Rd. & R/W to East, Langley	-	467-2135.2 VG2057	-	956-C 1889 1091.0	22-1-3/2	
200th Street (at Logan Ave.), Langley	15.76	474-2135.2	FVm 1213	1074-C	20-H-9	Abandoned - see FV 1390, GCO 2685-C; A1 2067, 9064-C
216th St. & Glover Rd., Langley	19.90	467-2101.0 VG1990	B 1474	3946-C	22-1-8/7	
591 Glover Rd., Langley	18.98	467-2135.2 VG1898	FVm 1276	-	21-H-3	
Smith Cres., Langley	-	VG1965	B 1546	4736-C	22-1-7	Cancelled
272nd St., Langley	-	467-2101.0 VG2757	B 1555	4739-C	26-H-9	
256th St., Langley	-	VG2528	B 1585	5460-C	25-1-11	
2 Spur Crossings East of 198th St., North of 56th Ave., Langley	-	-	-	5891-C	20-H-12	
Worrel Cres., Langley	-	VG1915	B 1610	6150-C	21-1-12	
Crush Cres., Langley	-	VG1942	A3 2529	6054-C 825768	22-1-10	
Eastleigh to Duncan Way, Langley	-	V(A)C1774	-	6349-C	21-H-11/ 10	Trackage removed - portion of R/W now road allowance
26750 - 62nd Ave., Langley	-	VG2682	A1 2096	8831-C	26-H-5	
200th St., Langley	15.76 17.13	467-2135.4 VG1712 V(A)C1712-A	FVm 1390 A1 2067	2685-C 9064-C	20-H-9	
Fraser Highway, South Side @ Production Way, Langley	-	VG1694	B 1800	8064-C	20-H-9/8	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GCO/GSO</u>	<u>Map No.</u>	<u>Remarks</u>
Fraser Highway, North Side @ Production Way., Langley	-	-	-	-	20-H-9	Gas senior to rail crossing
Production Way, Langley	-	-	-	542-C	20-H-11	Gas senior to rail crossing
62nd Ave., West of 268th St., Langley	-	VC2682	A3 2500	825334	26-H-5	
6710 - 256th St., Langley	-	VC2581	A3 2361	2698	25-I-12	
204th St., Langley City	17.27 Dist.3	G3007	-	PME 512	21-G-1	Trackage removed
RLY R/W S.W. of Fraser Highway, Langley City	-	Dated 1957 07 11	-	-	21-G-1	Trackage removed
Fraser Highway, Langley City	-	-	-	-	21-G-1	Trackage removed
Douglas Cr., Langley City	-	Dated 1974 07 10 V(A)G1712	FV 25	-	21-G-1	Trackage removed
201st St., Langley City	-	-	-	-	20-G-3	
200th St. at Michaud, Langley City	-	VC1670	FVm 1010	2477	20-G-3	Trackage removed
Logan Ave., Langley City	-	VG1748	FVm 1012	7544-C	21-H-10	Trackage removed
Glover Rd., Logan to Eastleigh, Langley City	-	-	-	5564-C	21-H-10	Trackage removed - portion of R/W now road allowance
11105 Bridge St., Surrey	1.81 FV Branch	414-2135.4 VG181-H	B 1457	-	14-M-7	
10897 Timberland Rd., Surrey	10.81	VG181-1 VG181-C	B 1794 B 1469	-	13-M-9/12	
152nd St., Surrey	10.15 Dist.3	Dated 1958 09 24	FV 515	3687-A	16-H-6/3	
142nd St., Surrey	8.73 Dist.3	139(3)G	FV 539	3733-A	15-I-12	Not constructed
72nd Ave., Surrey	-	Dated 1957 08 14	FV 166	-	15-I-4	
80th Ave., Surrey	-	Dated 1957 08 14	FV 88	-	14-J-9	
88th Ave., Surrey	-	Dated 1958 03 25	FV 564	3895-A	14-K-10	
120th St., Surrey	-	Dated 1957 08 14	FV 95	-	-	
184th St., Surrey	-	414-2135.4 VG1464	FVm 1078	160-C 738-C	19-G-5	
10619 Timberland Rd. (office), Surrey	-	VG181-E	FVm 1011 R2	97404	13-M-12/3	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>CCO/GSO</u>	<u>Map No.</u>	<u>Remarks</u>
Tannery Rd., Surrey	1.81	414-2135.4 VG181-G	B 1262	2941-C	13-M-12	
129A St. @ 7700 Blk., Surrey	6.90	414-2103.7 VG690	B 1441	3086-C	14-J-12C	Gas senior to rail crossing
64th Ave., Surrey	9.75	VG975	FVm 1168	624-C	16-H-2	
56th Ave. (19400 Blk.), Surrey	16.25	467-2101.0 V(A)G1625	B 1392	2762-C	20-G-1	
56th Ave. (19400 Blk.), Surrey	-	-	-	3812-A	20-G-1	Gas senior to rail crossing
10619 Timberland (plant), Surrey	1.81	414-2135.4 VG181-F	-	2761-C 2454-C	13-L-3/2	Gas senior to spur track to Weldwood plant
Bridge St., Surrey	-	VG150	-	2275	14-M-7	
140th St., Surrey	-	414-2135.2 VG855	FVm 1070	85-C	15-I-12	
Tannery Rd., Surrey	1.81c	VG181c	-	1979	13-M-12	Abandon see CCO 2941-C
192nd St., Surrey	15.61	VG1561	FVm 1335	2042-C 2248-C 5037-C	20-G-4	
444 56th Ave., Surrey	-	414-2101-0 VG1330	B 1522	-	18-G-2	
10705 Timberland Rd., Surrey	-	414-2101-0 VG181-J	B 1533	-	13-M-12	
96th Ave., Surrey	-	Dated 1957 10 24	FV 207	4500-C	13-K-3	
120th St., Surrey	3.47 Dist.3	Dated 1958 10 09	FV 537	3777-A	14-L-7	
132nd St., Surrey	-	Dated 1957 08 14	FV 168	-	15-I-1	
99th Ave., Surrey	-	-	FV 537 R1	3960-A	14-L-7	
10897 Timberland Rd., Surrey	-	-	FV 641 R1	7561-A	13-M-12	Abandoned see B 1794
144th St., Surrey	-	Dated 1959 08 13	FV 661	7697-A	16-I-10	
76th Ave. (West), Surrey	7.01 Dist.3	G-3005 Dated 1960 07 06	FV 168 R2	PME 307	15-I-1	
176th St., Surrey	-	Dated 1957 10 30	FV 252	3021-A	18-G-3	
168th St., Surrey	-	Dated 1957 09 11	FV 153	-	18-G-1	
168th St., Surrey	12.44 Dist.3	E-3003	GK 1095 FVCP 2	-	18-G-1	
124th St., Surrey	1.86 Dist.3	G-3001 Dated 1960 02 15	FV 721	468 9091-A	14-M-8	

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GCO/GSO</u>	<u>Map No.</u>	<u>Remarks</u>
76th Ave. (East), Surrey	-	Dated 1959 06 23	FV 168 R1	7580-A	15-I-1	
152nd St., Surrey	-	-	B 1591	4886-C	16-H-6/3	
152nd St. & 64th Ave., Surrey (Bose Rd. Reg. Stn.)	-	VL1014	GD 8432 R1	3761-C	16-H-6	
11717 Tannery Rd., Surrey	-	VG181K	B 1580	-	13-H-12	Abandoned see B 1681
11717 Tannery Rd., Surrey	-	VG181R	B 1681	-	13-H-12	
130th St. North of 80th Ave., Surrey	-	VG653 VG653A	-	7167-C (cancelled) 7633-C	14-J-3/ 6/9	Not constructed
Cloverdale Industrial Park, 17400 56th Ave., Surrey	-	VG1320 (Replaces VG1322)	B 1719	7619-C	18-G-2	
17474 56th Ave., Surrey	-	VG1336	B 1742	-	18-G-2	
68th Ave., Surrey	-	VG835	A1 2003 *B 1761	7060-C	15-I-11	*Crossing on Dwg. B 1761 abandoned on completion of crossing on Dwg. A1 2003
54th Ave., Surrey	-	VG1597	B 1774	7698-C (cancelled)	20-G-1	
104th Ave., Surrey	-	VG263	B 1820	8586-C	14-L-2	
156th Ave., Surrey	-	VG1080	A3 2106	8963-C	17-H-7	Not constructed
Comber Way, Surrey	7.58	VG1712 VG758	B 1472	3717-C	15-I-4	
Hyland Rd. at 66th Ave., Surrey	-	Dated 1981 03 16	A3 2123	9324-C	16-H-1	
10909 Timberland Rd., Surrey	-	VG181L	A3 2444	27422	14-M-7	
132nd St., Surrey Kraft Foods Spur	-	414-2103.7 V741	B 1425	3040-C	15-I-1	Gas senior to rail crossing
13221 76th Ave., Surrey	-	-	-	7580-A	15-I-1	Gas senior to rail crossing
Pipeline Crossing, Roebuck/Tilbury Loop, Surrey	5.34 Dist.3	139(3)C Dated 1959 06 15	N 65394	-	14-J-2/1	Transmission -24" MTP
Pipeline Crossing, Roebuck/Tilbury Loop, Surrey	-	-	GD 10363	-	14-K-10	Transmission -36" MTP
Pipeline Crossing, 101A Ave., Surrey	-	-	P 43869	-	14-L-4	Transmission -18" MTP

<u>Location/Description</u>	<u>Mile Point</u>	<u>Agreement/File No.</u>	<u>Drawing No.</u>	<u>GC0/GS0</u>	<u>Map No.</u>	<u>Remarks</u>
Old Yale Rd., Surrey	2.19	414-2135.4 VG219	B 1393	2746-C	14-M-11	
Bridge St./Puttullo Gate Outlet, Surrey	-	-	X 43265	-	14-M-7	Metro gas system
Old Yale Rd. at Timberland, Surrey	-	Dated 1963 03 08	-	2018	14-M-7	
10711 Timberland, Surrey	1/2" service	-	-	-	13-M-12	
92nd Ave., Delta	-	Dated 1957 10 24	FV 208	-	14-K-4	

DATED: May 16, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

A G R E E M E N T

OWEN, BIRD,
BARRISTERS AND SOLICITORS,
2800-595 Burrard Street,
VANCOUVER, B.C.
V7X 1J5
(688-0401)

RJA:js File #1166/9

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Crossings of Burlington Northern Rail
Letter from Burlington Northern Railroad re: crossings

THIS AGREEMENT made as of the 16th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter referred to as the "Assignor")

OF THE FIRST PART

AND:

74280 B.C. LTD., a company incorporated under
the laws of the Province of British Columbia,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1T3

(hereinafter referred to as the "Assignee")

OF THE SECOND PART

WHEREAS by asset transfer agreement entered into as of July 15, 1988 between the Assignor as vendor and the Assignee as purchaser (the "Asset Transfer Agreement") the Assignor agreed to sell and the Assignee agreed to purchase certain rights, property and assets of the Assignor, including, and without limiting the generality of the foregoing, its Gas Distribution System as defined in the Asset Transfer Agreement;

WHEREAS by various agreements made between the person listed in the Schedule hereto or any of its predecessors in interest (the "Grantor") and the Assignor or any of its predecessors in interest (the "Grantee"), the Grantor granted to the Grantee certain leases, licenses, permits or rights-of-way in respect of the installation, operation, and maintenance of a portion of the Gas Distribution System over the lands of the Grantor (the "Grants");

AND WHEREAS pursuant to the Asset Transfer Agreement the Assignor has agreed to sell to the Assignee and the Assignee has agreed to purchase from the Assignor, inter alia, all the right, title, interest, privilege and advantage of, in and to the Grants and the agreements by which they were granted, including and without limiting the generality of the foregoing, those agreements which are more particularly set forth in the Schedule hereto (the "Agreements").

NOW THIS AGREEMENT WITNESSETH that in consideration of the sum of ONE DOLLAR (\$1.00) and other good and valuable consideration now paid by the Assignee to the Assignor (the receipt whereof the Assignor acknowledges) the Assignor does hereby grant, assign, transfer and set over unto the Assignee, its successors and assigns, the Grants and the Agreements and all the right, title, interest, privilege and advantage thereto, therein and thereof, to have and to hold the same unto and to the use of the Assignee forever subject to the terms, covenants and conditions in the Agreements contained.

AND the Assignee in consideration of the premises, and for itself, its successors and assigns, promises and agrees with the Assignor, and its respective successors and assigns, that it will take the assignment of the Grants subject to all and each of the covenants and conditions therein contained and made and entered into by the Assignor in the Agreements and it will be bound by and keep and observe and perform the same in the same manner and to the same extent as if it had originally been bound by the Agreements.


The parties hereto expressly agree that in those instances where the Grants are capable of assignment only with the consent of the Grantor, this assignment shall not take effect until the Grantor has consented thereto.

THIS AGREEMENT shall ensure to the benefit of and be binding upon the parties hereto and their respective successors and assigns.

IN WITNESS WHEREOF the parties hereto have hereunto affixed their corporate seals under the hands of their proper officers in that behalf on the day and year first above-written.

SIGNED, SEALED and DELIVERED)
on behalf of BRITISH COLUMBIA)
HYDRO AND POWER AUTHORITY in)
the presence of:)

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY by its
Attorneys-In-Fact


D. MacPherson)
Name 9 - 1045 HOWE STREET)
VANCOUVER, B.C.)
V6Z 2B1)
Address)
Kenneth S. Mackay)
Occupation)

[Signature])
[Signature])
)

SIGNED, SEALED and DELIVERED)
on behalf of 74280 B.C. LTD.)
in the presence of:)
[Signature])
Name)
970 Burrard St., Van. B.C.)
Address)
Lawyer)
Occupation)

APPROVED
as to substance
[Signature]
Senior Land Solicitor
B.C. HYDRO

J. P. S. Lee

SCHEDULE

GRANTOR: Burlington Northern Railroad

AGREEMENTS:

Particulars attached

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07/01/88

CONTRACT NAME INDEX FILE
ACTIVE CONTRACTS

C/1250-A

CONTRACTOR	DESCRIPTION	LOCATION	TYPE	CONTRACT NO. LAW OR R/M NO.	CONTROLLER'S DATE
BRITISH COLUMBIA DEVELOPMENT CORP	OPERATE OVER LEAD TR, 1ND PK, JT CM RR	DELTA, BC	13	BN 00013047	00/00/11
BRITISH COLUMBIA DISTILLERY CO LTD	SEWER RING	NEW WESTMINSTER, BC	46	LC 00204479	71/09/01
BRITISH COLUMBIA DISTILLERY CO LTD	POWER CABLE STATION 0415	NEW WESTMINSTER, BC	22	LC 00209235	73/02/16
BRITISH COLUMBIA DISTRICT TELEGRAPH	FIRE & BURGLARY ALARM PROTECTION	VANCOUVER, BC	10	BN 00003499	75/04/01
BRITISH COLUMBIA DISTRICT TELEGRAPH	SPRINKLER & ALARM SERVICE	VANCOUVER, BC	20	G 00055089 LD 51355	66/03/12
BRITISH COLUMBIA HARBOURS BOARD	PRVT RING RP 131-1823	COLEBROOK, BC	23	LC 00219401	75/10/16
BRITISH COLUMBIA HARBOURS BOARD	SCM HAS JOINT POSSESSION & USE OF 4000 FT OF BN MAIN LINE	COLEBROOK, BC	16	BN 00001693	70/04/01
BRITISH COLUMBIA HARBOURS BOARD	BN'S USE OF SCM TRACKAGE	COLEBROOK, BC	16	BN 00001694	70/04/01
BRITISH COLUMBIA HYDRO & POWER	POWER CABLE, RP. 147.09	BURNABY, BC	22	PE 04010016	86/03/14
BRITISH COLUMBIA HYDRO & POWER AUTH	INSPECT AUTOS	NEW WESTMINSTER, BC	10	BN 00001637	72/01/12
BRITISH COLUMBIA HYDRO & POWER AUTH	CONVT NEO SPUR TRACK	COLUMBIA GARDEN, BC	13	BN 00000041	77/09/12
BRITISH COLUMBIA HYDRO & POWER AUTH	INSTALL DUT SIGNAL CABLE ON BRIDGE	NEW WESTMINSTER, BC	20	G 00051408 LD 49404	50/01/01
BRITISH COLUMBIA HYDRO & POWER AUTH	GAS TO SERVE RIP TRACK BLDG	VANCOUVER, BC	46	G 00051826 LD 40367	60/07.14
BRITISH COLUMBIA HYDRO & POWER AUTH	10INCH GAS MAIN	VANCOUVER, BC	46	G 00047470 RE 40141	55/10/03
BRITISH COLUMBIA HYDRO & POWER AUTH	20 INCH GAS PIPE	NEW WESTMINSTER, BC	46	G 00048403 RE 40854	56/08/02
BRITISH COLUMBIA HYDRO & POWER AUTH	GAS PIPE CROSSING	VANCOUVER, BC	46	G 00049346 LD 47711	57/05/20
BRITISH COLUMBIA HYDRO & POWER AUTH	GAS PIPE RING	CRESCENT BEACH, BC	46	G 00049347 RE 42707	57/09/17

07/01/00

CONTRACT NAME INDEX FILE
ACTIVE CONTRACTS

C/1230-A

CONTRACTOR	DESCRIPTION	LOCATION	TYPE	CONTRACT NO. LAW OR S/N NO.	COMPLETION DATE
BRITISH COLUMBIA HYDRO & POWER AUTH	GAS PIPE CROSSING	VANCOUVER, BC	44	S 00017149 LD 47716	37/03/20
BRITISH COLUMBIA HYDRO & POWER AUTH	GAS PIPE RISE	VANCOUVER, BC	44	S 00017173 LD 47768	37/09/26
BRITISH COLUMBIA HYDRO & POWER AUTH	GAS MAIN CROSSING	NEW WESTMINSTER, BC	44	S 00017174 LD 47769	36/12/10
BRITISH COLUMBIA HYDRO & POWER AUTH	2 INCH GAS PIPE	BURNABY, BC	44	S 00017190 LD 47848	37/12/03
BRITISH COLUMBIA HYDRO & POWER AUTH	4 INCH GAS LINE	VANCOUVER, BC	44	S 00017271 LD 48180	38/04/16
BRITISH COLUMBIA HYDRO & POWER AUTH	3 INCH GAS MAIN	NEW WESTMINSTER, BC	44	S 00017272 LD 48181	38/03/12
BRITISH COLUMBIA HYDRO & POWER AUTH	6 INCH GAS PIPE RISE	VANCOUVER, BC	44	S 00017434 LD 48430	38/03/22
BRITISH COLUMBIA HYDRO & POWER AUTH	GAS PIPE RISE	TOWNSEND, BC	44	S 00017450 LD 48731	38/04/17
BRITISH COLUMBIA HYDRO & POWER AUTH	10 INCH GAS LINE	VANCOUVER, BC	44	S 00017717 LD 49713	38/08/13
BRITISH COLUMBIA HYDRO & POWER AUTH	2 INCH GAS PIPE RISE	VANCOUVER, BC	44	S 00017444 LD 48648	63/12/31
BRITISH COLUMBIA HYDRO & POWER AUTH	GAS LINE SURVEY STATION 9-13	VANCOUVER, BC	44	S 00017447 LD 48649	63/02/03
BRITISH COLUMBIA HYDRO & POWER AUTH	GAS PIPE SURVEY STATION 4-30	NEW WESTMINSTER, BC	44	S 00017449 LD 48651	63/02/11
BRITISH COLUMBIA HYDRO & POWER AUTH	GAS PIPE RISE AT STA 10-14	NEW WESTMINSTER, BC	44	LC 00200002	70/11/16
BRITISH COLUMBIA HYDRO & POWER AUTH	GAS PIPE RISE AT STA 20-04	NEW WESTMINSTER, BC	44	LC 00201612	70/09/16
BRITISH COLUMBIA HYDRO & POWER AUTH	GAS PIPE ACROSS S/N	NEW WESTMINSTER, BC	44	LC 00202107	70/12/01
BRITISH COLUMBIA HYDRO & POWER AUTH	2-INCH GAS PIPE ACROSS S/N	VANCOUVER, BC	44	LC 00202726	71/02/16
BRITISH COLUMBIA HYDRO & POWER AUTH	4 INCH GAS PIPE ACROSS S/N	TOWNSEND, BC	44	LC 00203640	71/04/16

07/01/00

CONTRACT NAME INDEX FILE
ACTIVE CONTRACTS

CP1250-A

CONTRACTOR	DESCRIPTION	LOCATION	TYPE	CONTRACT NO. LAU OR S/U NO.	CONTROLLER'S DATE
BRITISH COLUMBIA HYDRO & POWER AUTH	NATURAL GAS PIPE LINE SS 23-37.5	VANCOUVER, BC	46	LC 00216977	75/01/16
BRITISH COLUMBIA HYDRO & POWER AUTH	NATURAL GAS PIPELINE MP 145-360 FT	NEW WESTMINSTER, BC	46	LC 00223591	76/11/01
BRITISH COLUMBIA HYDRO & POWER AUTH	GAS LINE UNDERGROUNDS AT SS 37-63	NEW WESTMINSTER, BC	46	LC 00224509	77/01/01
BRITISH COLUMBIA HYDRO & POWER AUTH	6 INCH NATURAL GAS LINE MP 137-138	TOWNSEND, BC	46	LC 00232670	79/10/01
BRITISH COLUMBIA HYDRO & POWER AUTH	GAS LINE LINE SS 7-52.6	VANCOUVER, BC	46	PH 04014038	84/11/21
BRITISH COLUMBIA HYDRO & POWER AUTH	GAS LINE, SURVEY STATION 90-59, MP. 1.72	BURNABY, BC	46	PH 07014031	87/05/01
BRITISH COLUMBIA HYDRO & POWER AUTH	1.046 INCH UNDERGROUND GAS PIPELINE, SURVEY STATION 20-26.6, MP. FIRST	VANCOUVER, BC	46	PH 00014038	88/06/15
BRITISH COLUMBIA HYDRO & POWER AUTH	POWER SERVICE TO RT TERMINAL	VANCOUVER, BC	22	ON 00003567	75-01-00
BRITISH COLUMBIA HYDRO & POWER AUTH	TRANSMISSION LINE ON ON S/U	NEW WESTMINSTER, BC	22	S 00010133 LO 0130	11/02/09
BRITISH COLUMBIA HYDRO & POWER AUTH	POWER WIRES SURVEY STATION 559-00	VANCOUVER, BC	22	S 00040075 SS 00736	36/03/00
BRITISH COLUMBIA HYDRO & POWER AUTH	POWER WIRES SURVEY STATION 64-00	VANCOUVER, BC	22	S 00040076 SS 00744	36/05/10
BRITISH COLUMBIA HYDRO & POWER AUTH	POWER WIRES	COLEBROOK, BC	22	S 00040134 SS 01100	36/09/04
BRITISH COLUMBIA HYDRO & POWER AUTH	1 POLE & 2 ANCHORS	NEW WESTMINSTER, BC	22	S 00040217 SS 01701	37/01-10
BRITISH COLUMBIA HYDRO & POWER AUTH	16 POLES & 4 ANCHORS	NEW WESTMINSTER, BC	22	S 00040136 LO 01700	37/05/20
BRITISH COLUMBIA HYDRO & POWER AUTH	UNDERGROUND ELECTRICAL CONDUIT	VANCOUVER, BC	22	S 00040137 LO 01700	37/04/29
BRITISH COLUMBIA HYDRO & POWER AUTH	DEAN PERMIT	VANCOUVER, BC	22	S 00040176 SS 02244	37/05/23
BRITISH COLUMBIA HYDRO & POWER AUTH	TOLLAY & PIERSON WIRES	VANCOUVER, BC	22	S 00040145 LO 01710	37/06/19

07/01/98

CONTRACT NAME INDEX FILE
ACTIVE CONTRACTS

CF1250-A

CONTRACTOR	DESCRIPTION	LOCATION	TYPE	CONTRACT NO. LAW OR R/M NO.	CONTROLLER'S DATE
BRITISH COLUMBIA HYDRO & POWER AUTH	POWER LINE UNDERCROSSING, SS 76-75	BURNABY, BC	22	LC 00224510	77/01/01
BRITISH COLUMBIA HYDRO & POWER AUTH	POWER CABLE RING MP 136+1716 FT	COLEBROOK, BC	22	LC 00224879	77/04/01
BRITISH COLUMBIA HYDRO & POWER AUTH	POWER CABLE RING MP 145+1195 FT	NEW WESTMINSTER, BC	22	LC 00224898	77/09/16
BRITISH COLUMBIA HYDRO & POWER AUTH	POWER WIRE RING MP 153+561	FRUITVALE, BC	22	LC 30230240	78/12/01
BRITISH COLUMBIA HYDRO & POWER AUTH	POWER WIRE RING MP 155+787	FRUITVALE, BC	22	LC 00230295	78/12/01
BRITISH COLUMBIA HYDRO & POWER AUTH	GUY WIRE RING STA 85+73	NEW WESTMINSTER, BC	22	LC 00232211	79/08/01
BRITISH COLUMBIA HYDRO & POWER AUTH	POWER LINE RING SS 85+91	VANCOUVER, BC	22	LC 00234821	80/07/01
BRITISH COLUMBIA HYDRO & POWER AUTH	POWER LINE RING MP 140.00	WANETA, BC	22	LC 00236467	81/01/16
BRITISH COLUMBIA HYDRO & POWER AUTH	POWER LINE RING SS 394 + 51.8	BURNABY, BC	22	LC 00245320	83/10/16
BRITISH COLUMBIA HYDRO & POWER AUTH	POWER LINE CROSSING, MP. 132.26	COLEBROOK, BC	22	PX 86016102	86/10/15
BRITISH COLUMBIA HYDRO & POWER AUTH	POWER CABLE, SURVEY STATION 117+77, MP. 2.23	NORTH BURNABY, BC	22	PX 87016163	87/10/01
BRITISH COLUMBIA HYDRO & POWER AUTH	POWER LINE CROSSING, SURVEY STATION 64+87.5, MP. 1.23	DELTA, BC	22	PX 87016177	87/10/30
BRITISH COLUMBIA HYDRO & POWER AUTHORITY	M & A PRIVATE ROAD CROSSING	COLEBROOK, BC	23	CX 86016068	86/10/01
BRITISH COLUMBIA HYDRO & POWER AUTHORITY	GAS PIPELINE, MP. 0.67	DELTA, BC	46	PX 86016029	86/04/01
BRITISH COLUMBIA HYDRO & POWER AUTHORITY	NATURAL GAS POLYETHYLENE PIPELINE, MP. 147.11	BURNABY, BC	46	PX 86016038	86/05/15
BRITISH COLUMBIA HYDRO & POWER AUTHORITY	2 INCH UNDERGROUND GAS LINE, MP. 144.04-6922	NEW WESTMINSTER, BC	46	PX 86016100	86/10/01
BRITISH COLUMBIA HYDRO & POWER AUTHORITY	POWER CABLE, MP. 0.55	DELTA, BC	22	PX 85016121	85/12/16

BC HYDRO AND POWER AUTHORITY
MAINLAND GAS DIVISION
GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
** With BURLINGTON NORTHERN RAILWAY						0.00
43795	M 23048	10 SEPT 1945		GAS MAIN AT MAIN STREET IN VANCOUVER.		0.00
55552				4" CROSSING NEAR GOVERNMENT, VANCOUVER.		0.00
59711		08 AUG 1955		2" GAS LINE AT SURVEY STATION 432 PLUS 05, ARDLEY, B.C.		0.00
59859		06 SEPT 1955		2" GAS MAIN LOCATED ON GNR RIGHT OF WAY AT KASLO ST., VANCOUVER.		0.00
60766		15 MAY 1956		18" NATURAL GAS MAIN UNDER GNR TRACKS AT SLOCAN STREET, VANCOUVER. SURVEY STATION 588 PLUS 17.		0.00
60854				20" PIPELINE CROSSING UNDER BRIDGE NO. 77.		0.00
63038	GK 265	02 DEC 1957		2" GAS MAIN SPRUCE AND BRUNETTE STREETS. NEW WESTMINSTER.		0.00
61644				12" GAS MAIN ON GNR RIGHT OF WAY AT SAPPERTON WAY, NEW WESTMINSTER.		0.00
62234		20 MAY 1957		3" GAS PIPE AT SURVEY STATION 4 PLUS 15. VANCOUVER.		0.00
62235		20 MAY 1957		6" GAS PIPE AT SURVEY STATION 64 PLUS 30, VANCOUVER.		0.00
62707						0.00
62760		26 SEPT 1957		6" GAS MAIN AT SURVEY STATION 522 PLUS 94.6, VANCOUVER. 6" CROSSING AT BOUNDARY ROAD, VANCOUVER.		0.00
63046	GK 188	05 DEC 1957		2" GAS MAIN SURVEY STATION 474 PLUS 05.5 BURNABY. 2" HP GAS MAIN UNDER GNR RIGHT OF WAY AT WILLINGDON AVE., BURNABY.		0.00
63041						0.00
63450	GK 392	16 APR 1958		4" GAS LINE SURVEY STATION 574 PLUS 73. EXTENSION ACROSS RIGHT OF WAY AT RENFREW STREET, VANCOUVER.		0.00
63630	GK 4785A	22 MAY 1958		6" GAS MAIN SURVEY STATION 86 PLUS 15. MAIN CROSSING RIGHT OF WAY ON CORDOVA ST. WEST OF RAYMUR STREET, VANCOUVER.		0.00
63753		15 AUG 1958		16" GAS LINE ON GNR RIGHT OF WAY ON KEEFER ST., VANCOUVER.		0.00
64029		28 AUG 1958		6" GAS MAIN CROSSING RIGHT OF WAY ON BRAID ST. WEST OF BRUNETTE ST., NEW WESTMINSTER. SURVEY STATION 1 PLUS 20.		0.00
65381	PME 7516A	25 AUG 1959		4" GAS MAIN CROSSING AT SURVEY STATION 43 PLUS 57, NEW WESTMINSTER.		0.00
65689		04 NOV 1959		6" GAS MAIN ON MAIN ST. NORTH FROM 1ST AVE., VANCOUVER. SURVEY STATION 722 PLUS 20.		0.00
65709		11 NOV 1959		1-1/4" GAS MAIN CROSSING GLEN DRIVE, VANCOUVER.		0.00
66159	GK 889	06 APR 1960		3" GAS MAIN CROSSING AT 1ST AVE. NEAR COLUMBIA ST., VANCOUVER.		0.00

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BC HYDRO AND POWER AUTHORITY
MAINLAND GAS DIVISION
GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
70422				6" CROSSING AT GNR RIGHT OF WAY DOUGLAS RD., BURNABY.		0.00
70584				4" CROSSING AT RAYMUR ST., VANCOUVER.		0.00
70840				2" CROSSING AT HEBB ST.		0.00
71541	GCO 35988	20 OCT 1964		??????? FISHERMANS WHARF, POWELL ST. AND CAMPBELL AVE., VANCOUVER.		0.00
71890	GCO 38088	05 FEB 1965		4" LINE UNDER GNR TRACKS ON ONTARIO ST., VANCOUVER.		0.00
71912	GCO 39008	11 FEB 1965		2" LINE CROSSING GNR TRACKS AT NEW WESTMINSTER, B.C.		0.00
72981	GCO 46778	14 DEC 1965		????????? AT SURVEY STATION 77 PLUS 25, LANE SOUTH OF PENDER ST., WEST OF GLEN DRIVE, VANCOUVER.		0.00
75134	GCO 85648	02 OCT 1967		????????? BRAID ST. WEST OF BRUNETTE, NEW WESTMINSTER. SURVEY STATIONS 1 PLUS 30 AND 7 PLUS 52.		0.00
75557	GK 3057	05 FEB 1968		6" GAS MAIN ACROSS MADISON AVE., BURNABY. SURVEY STATION 487 PLUS 09.		0.00
76254	GCO 78628	09 AUG 1968		3" GAS PIPE AT SURVEY STATION 475 PLUS 04, WILLINGDON AVE. SOUTH OF ROSSER, BURNABY.		0.00
76255	GCO 78938	09 AUG 1968		2" GAS PIPE AT SURVEY STATION 70 PLUS 80. LANE SOUTH OF GEORGIA, ADANAC AND VERNON DRIVE FROM CLARK DRIVE TO THE WEST.		0.00
74645	GK 4038	03 OCT 1968		2" AT SURVEY STATION 72 PLUS 33 EASTLAKE DR. EAST OF PRODUCTION WAY, BURNABY.		0.00
76466	GCO 80438	03 OCT 1968		4" AT SURVEY STATION 76 PLUS 72. EASTLAKE DR. AND PRODUCTION WAY, BURNABY.		0.00
77064	GK 4079	02 APR 1969		????????? 500 BLOCK ON HSALKIN AVE. AT ATLANTIC ST., VANCOUVER.		0.00
202187	GK 4295	01 DEC 1970		????????? SURVEY STATION 63 PLUS 50. 160 FRONT ST., NEW WESTMINSTER.		0.00
202646	GK 4297	16 FEB 1971		3/4" NATURAL GAS PIPELINE AT SURVEY STATION 13 PLUS 98 ON 1ST AVE. AT MANITOBA ST., VANCOUVER.		0.00
202726	GK 4298/99	16 FEB 1971		2" GAS PIPELINE AT GLEN DRIVE AND 5TH AVE., VANCOUVER. ALSO SEE CNR MR 3070-5.		0.00
216977	GA 4784	16 JAN 1975		GAS PIPE CROSSING AT SURVEY STATION 23 PLUS 37.5 - 1ST AVE. NEAR COOK, VANCOUVER.		0.00
223591	GCO 5694C	01 NOV 1976		12" NATURAL GAS PIPELINE NORTH OF BRAID ST., NEW WESTMINSTER.		0.00
224509	GB 4890	01 JAN 1977		4-1/2" GAS PIPELINE AT SURVEY STATION 37 PLUS ??, UNNAMED ROAD EAST OF SPRUCE ST., NEW WESTMINSTER.		0.00

BC HYDRO AND POWER AUTHORITY
MAINLAND GAS DIVISION
GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
PX86-18038	GA 5635	06 JUNE 1986		???????? 8720 GOVERNMENT ST., BURNABY.		0.00
PX86-18100	GA 5461	19 NOV 1986		???????? FRONT AND 6TH ST., NEW WESTMINSTER. \$450.00 TERM OF LICENCE.		0.00
PX84-18058	GA 5573	02 JAN 1985		4H MAIN - QUEBEC ST. NORTH OF 1ST AVE., VANCOUVER.		0.00
PX87-18051	GA5685			NPS 3/4H SERVICE CROSSING B.N. RIGHT OF WAY TO SERVE 8400 EASTLAKE DRIVE, BURNABY.		0.00
PX84-18058		02 JAN 1985		CHANGE ORDER, NPS 4H SERVICE CROSSING B.N.R. SPUR LINE AT MAIN ST. AND 1ST AVE., VANCOUVER.		0.00
80141	U 43249	05 OCT 1955		16" HIGH PRESSURE GAS MAIN ON BRIDGE 82.7, VANCOUVER. (CLARK DRIVE)	001442	25.00
29036		14 APR 1937		THREE GAS PIPELINES IN NEW WESTMINSTER. BETWEEN VANCOUVER, VICTORIA & EASTERN RLWY AND B.C. ELECTRIC POWER & GAS.		1.00
63326	GT 379	06 MAR 1958		6" GAS MAIN ON RAILWAY BRIDGE NO. 79.2 AT SURVEY STATION 165 PLUS 55 NEAR VANCOUVER. DWG GT 379 NORTH ROAD BRIDGE BETWEEN BURNABY AND COQUITLAM.	001302	25.00
201412	GK 4069	16 SEPT 1970		4" GAS PIPELINE CROSSING AT SURVEY STATION 88 PLUS 04. \$45.00 PER ANNUM FOR 1ST 5 YEARS AND \$20.00 FOR EACH 5 YEARS THEREAFTER.	007730	0.00

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BC HYDRO AND POWER AUTHORITY
FRASER VALLEY GAS
CROSSING AGREEMENTS WITH BURLINGTON NORTHERN RAILWAY

AGREEMENT NUMBER	MILE POINT	LOCATION	R/W OR S/A	CARRIER	ANNUAL FEE	DRAWING
63731	332 + 37 1 MILE S/O TOWNSEND	72ND AVENUE, DELTA	R/W	4"		FV 489 3511-A 351-2
63567	102 + 16 3 MILES S/O NEW WEST	MILLAR ROAD, SURREY	R/W	3"		FV 421 3102-A 367-2
62707	564 + 40 CRESCENT BEACH	CRESCENT ROAD, SURREY	R/W	4"		FV 99 ORIG. GRID 371-
64377	547 + 16 CRESCENT BEACH	BAYVIEW STREET, SURREY	R/W	3"		FV 488-B 3564-A 371-2
65391	42 + 57 NEW WEST	TANNERY ROAD, SURREY	R/A	4"		FV 640 7516-A 368-4
66913	19 + 44 NEW WEST	OLD YALE ROAD, SURREY	R/A	3"		FV 774 462 381-1
69102	327 + 29.9	64TH AVENUE, DELTA	R/W	4"	\$25 PER ANNU	FVT 890/891 1420 351-
69742	232 + 90 M.P. 121.37	MARTIN STREET, GOVERNMENT WHARF, WHITE ROCK	R/A	3/4"		FV 908 1700 522-8 3-1
	M.P. 129.0	ROBSON ROAD, SURREY	R/A	6"		FV 1028 195-C 355-6
72561	128 + 62 M.P. 128.32	ROBSON ROAD, SURREY	R/W	6"		FV 1099 195-C 355-6
200852	19 + 60	OLD YALE ROAD, SURREY	R/A	6"		FV 1267 2475-1 351-1
203640	226 + 29 M.P. 0.49 DEAS ISLAND	MAIN & SHEAVES, DELTA	R/W	4"	\$20 91-05-15	B-1424 2821-C 342-4
64885	267 + 25 4 MILES S/O NEW WEST	24" MTP, DELTA	R/W	24" MTP		
222670	226 + 76 M.P. 127.03 TOWNSEND	RIVER ROAD, DELTA	R/W	6"		A1-2025 2821-C 342-4
LETTER OF ACCEPTANCE BY BNR ON	475 + 92 M.P. 122 + 2025	#10 HIGHWAY, DELTA ORIG. BNR R/W WEST OF ANNACIS HIGHWAY	R/A	4"		A3-2175 3633/PB 361-1
LETTER OF ACCEPTANCE BY BNR ON		#10 HIGHWAY, DELTA	R/A	4"		A3-2120 11533 361-2/4
LETTER OF ACCEPTANCE BY BNR ON	436 + 92. 123 + 471	112TH STREET, N/O HIGHWAY #10	R/A	1 1/4"		A3-2272 8533
PX25-16097	399 + 06 M.P. 132.8	64TH AVENUE, DELTA	R/W	4"	\$150 PROCESS	11582 350-2
PX86-16029	35 + 22 M.P. 0.67	RIVER ROAD/ANNACIS CONNECTOR, DELTA TILBURY SPUR	R/W	4"	\$45005 TOTAL	A3-2437 35093 341-2 2
LETTER OF ACCEPTANCE BY BNR ON	MP 122.37 SS 475.81	LADNER TRK RD (FORMERLY #10 HWY) E OF ANNACIS HWY 1986 03 24	R/A	4"		A3-2420 11533 361-2

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DATED 19

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

74280 B.C. LTD.

A G R E E M E N T

OWEN, BIRD,
BARRISTERS AND SOLICITORS,
2800-595 Burrard Street,
VANCOUVER, B.C.
V7X 1J5
(688-0401)

RJA:js File #1166/9



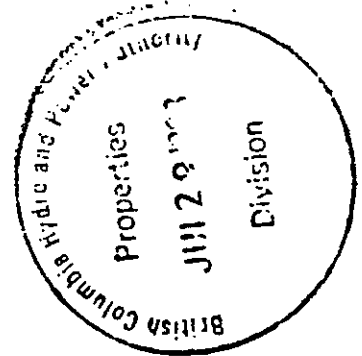
BURLINGTON NORTHERN RAILROAD

PA-294

2000 First Interstate Center
999 Third Avenue
Seattle, WA 98104-1105
206-467-3289

British Columbia Hydro and Power Authority July 20, 1988
1045 Howe Street
Vancouver, B.C., Canada V6Z 2B1

Attention: Mr. P.J.L. Henslowe
Solicitor



Gentlemen:

Re: Your File 400-1903.0(1) to our Mr. P. L. Adelman of July 14, 1988.

This will acknowledge receipt of your letter in connection with B.C. Hydro selling its entire Gas Operations to the private sector and requesting assignment, in principle, of numerous rail crossing permits with Burlington Northern Railroad Company.

While we cannot, at this time, indicate a 'blanket' approval of unresearched existing agreements we may, or may not have, with British Columbia Hydro & Power Authority, Gas Division, we are willing at this time to indicate our willingness to prepare such an 'assignment', after this sale is final, to the new owner, when proper research of existing facilities is completed, in cooperation with British Columbia Hydro and Power Authority, Gas Division.

To assist in this research we are enclosing a printout of various Contract Agreements in our active file, and you will note many of these agreements indicate 'Gas Pipe Xing' at various locations in Canada. There of course may be others in existence involving public property, franchised, and/or dedicated property, where there is no formal agreement, but a 'Letter Agreement', and of course there may be some in your files, we are not showing on this record, but can verify through our 'index system' and/or by an Agreement number you may have in your records. It will be important to compile all these agreements and records, to properly execute an assignment to the new owner which of course the Burlington Northern Railroad Company would prepare, as policy, for execution by B.C. Hydro and the new owner. There is a \$50.00 fee, U.S. Funds, for each agreement, unless some agreements need to be re-issued to a new permit, and then of course our standard one time fee of \$450.00 U.S. funds, would apply.

Trust, at this time, this letter will express our willingness only to 'assign' existing agreements. May also add any agreements with our Glacier Park Company, 1011 Western Avenue, Suite 700, Seattle, WA 98104, would be necessary, by them. It is doubtful your Gas Division would have any 'Spur Track Agreement', but am sending along a copy of this letter, and your July 14, letter to our Mr. Fred Branson, Regional Manager, Industrial Development, 2100 First Interstate Center, 999 Third Avenue, Seattle, WA 98104-1105, for his information and action if necessary. This office would only process the assignment for 'Permits', facilities crossing over or under the Right-of-Way of the Railroad, and longitudinal facilities up to 1000' on our Right-of-Way.

Kindly refer to file number shown below when corresponding and/or phoning about this matter, until it's conclusion.

Yours truly,



Bob Luckey
Permit Clerk/PACIFIC DIVISION

File: 5884 Canada

cc: Mr. Fred Branson, ID, Seattle

Glacier Park Company
1011 Western Avenue - Suite 700
Seattle, WA 98104

Crossings of B.C. Rail
Consent of B.C. Rail re: crossings

THIS AGREEMENT made as of the 16th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter referred to as the "Assignor")

OF THE FIRST PART

AND:

74280 B.C. LTD., a company incorporated under
the laws of the Province of British Columbia,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1T3

(hereinafter referred to as the "Assignee")

OF THE SECOND PART

WHEREAS by asset transfer agreement entered into as of July 15, 1988 between the Assignor as vendor and the Assignee as purchaser (the "Asset Transfer Agreement") the Assignor agreed to sell and the Assignee agreed to purchase certain rights, property and assets of the Assignor, including, and without limiting the generality of the foregoing, its Gas Distribution System as defined in the Asset Transfer Agreement;

WHEREAS by various agreements made between the person listed in the Schedule hereto or any of its predecessors in interest (the "Grantor") and the Assignor or any of its predecessors in interest (the "Grantee"), the Grantor granted to the Grantee certain leases, licenses, permits or rights-of-way in respect of the installation, operation, and maintenance of a portion of the Gas Distribution System over the lands of the Grantor (the "Grants");

AND WHEREAS pursuant to the Asset Transfer Agreement the Assignor has agreed to sell to the Assignee and the Assignee has agreed to purchase from the Assignor, inter alia, all the right, title, interest, privilege and advantage of, in and to the Grants and the agreements by which they were granted, including and without limiting the generality of the foregoing, those agreements which are more particularly set forth in the Schedule hereto (the "Agreements").

NOW THIS AGREEMENT WITNESSETH that in consideration of the sum of ONE DOLLAR (\$1.00) and other good and valuable consideration now paid by the Assignee to the Assignor (the receipt whereof the Assignor acknowledges) the Assignor does hereby grant, assign, transfer and set over unto the Assignee, its successors and assigns, the Grants and the Agreements and all the right, title, interest, privilege and advantage thereto, therein and thereof, to have and to hold the same unto and to the use of the Assignee forever subject to the terms, covenants and conditions in the Agreements contained.

AND the Assignee in consideration of the premises, and for itself, its successors and assigns, promises and agrees with the Assignor, and its respective successors and assigns, that it will take the assignment of the Grants subject to all and each of the covenants and conditions therein contained and made and entered into by the Assignor in the Agreements and it will be bound by and keep and observe and perform the same in the same manner and to the same extent as if it had originally been bound by the Agreements of and from the date hereof.

The parties hereto expressly agree that in those instances where the Grants are capable of assignment only with the consent of the Grantor, this assignment shall not take effect until the Grantor has consented thereto.

THIS AGREEMENT shall ensure to the benefit of and be binding upon the parties hereto and their respective successors and assigns.

IN WITNESS WHEREOF the parties hereto have hereunto affixed their corporate seals under the hands of their proper officers in that behalf on the day and year first above-written.

SIGNED, SEALED and DELIVERED)
on behalf of BRITISH COLUMBIA)
HYDRO AND POWER AUTHORITY in)
the presence of:)

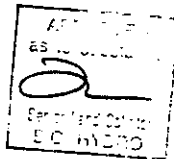
A. McPherson
Name 2 - 1045 HOWE STREET)
VANCOUVER, B.C.)
V6Z 2B1)
Address)
Legal Sec. Secretary
Occupation)

SIGNED, SEALED and DELIVERED)
on behalf of 74280 B.C. LTD.)
in the presence of:)

Barnett
Name)
970 Burrard St., Van. B.C.)
Address)
Lawyer
Occupation)

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY by its
Attorneys-In-Fact

[Signature]
[Signature]



J.P. Shuck



SCHEDULE

GRANTOR: B.C. Railway

AGREEMENTS:

Particulars attached

2

BC HYDRO GAS DIVISION - MAINLINE RAIL CROSSING AGREEMENTS

<u>MILEAGE</u>	<u>CLASSIFICATION</u>	<u>DESCRIPTION</u>	<u>AGREEMENT NO. OR DATE</u>	<u>BC RAIL DRAWING NO.</u>	<u>BC HYDRO DRAWING NO.</u>
-0.24	undercrossing	4" gas pipeline	2202	L4-18896	GA-5232
-0.06	undercrossing	2" gas main	2192	L4-18638	GA-5231
-0.01	undercrossing	2.375" gas pipeline	1835	12179-M101-11	GA-4726
0.2	undercrossing	1.66" gas pipeline	1301	7787-F10-31	GCO-7096-B
0.34	undercrossing	3" gas pipeline	-	N/A	GK-380
0.48	undercrossing	4.5" gas pipeline	69/01/24	8211-E9-23	GK-4075
1.0	undercrossing	3.5" gas pipeline	67/02/28	7425-L18-4	GK-2984
1.2	undercrossing	4" gas pipeline under McKeen & Wilson spur trackage	82/03/30	L4-20484	GA-5383
1.27	undercrossing	4" gas pipeline under McKeen & Wilson spur trackage	82/03/30	L4-20483	GA-5379
1.35	undercrossing	4.5" gas pipeline under spur trackage (North Van yard)	2403	B4-24363	GD-5309(R2)
1.39	undercrossing	4.5" gas pipeline under spur trackage (North Van yard)	2403	B4-24363	GD-5309(R2)
1.4	undercrossing	2" gas pipeline	62/10/18	N/A	GCO-900-B
1.53	undercrossing	4.5" gas pipeline under spur trackage (North Van yard)	2403	B4-24363	GD-5309(R2)
1.58	undercrossing	4.5" gas pipeline under spur trackage (North Van yard)	2403	B4-24363	GD-5309(R2)
2.4	undercrossing	3" gas pipeline	625	N/A	GK-979
3.3	undercrossing	1.25" gas pipeline	64/10/19	N/A	GCO-2783-B
3.4	undercrossing	2" gas main	469	N/A	GK-184
3.6	undercrossing	1.5" gas main	916	N/A	GK-2155
3.74	undercrossing	.75" gas pipeline	64/10/08	N/A	GCO-3510-B
3.82	undercrossing	1.25" gas line	64/03/17	N/A	GCO-2960-B
4.61	undercrossing	.5" gas pipeline	2133	L4-17840	GA-5162
4.72	undercrossing	2" gas pipeline	63/11/07	N/A	GK-3086,
				N/A	GCO-2414-B

BC HYDRO GAS DIVISION - MAINLINE RAIL CROSSING AGREEMENTS

<u>MILEAGE</u>	<u>CLASSIFICATION</u>	<u>DESCRIPTION</u>	<u>AGREEMENT NO. OR DATE</u>	<u>BC RAIL DRAWING NO.</u>	<u>BC HYDRO DRAWING NO.</u>
5.2	undercrossing	2" gas main	470	N/A	GK-150
5.8	undercrossing	2" gas pipeline, under railway overpass	78/01/13	M5-13763	GK-5012
5.85	undercrossing	4" gas pipeline, under railway overpass	59/12/09	N/A	GK-767
6.5	undercrossing	2" gas pipeline, under railway overpass	60/03/17	N/A	GK-768
7.5	undercrossing	4" gas pipeline	567	N/A	GK-731
7.8	undercrossing	3" gas pipeline, under railway overpass	571	N/A	GK-763
8.2	undercrossing	2" gas pipeline	63/10/17	N/A	GK-3081,
				N/A	GCO-2024-B
8.48	undercrossing	gas pipeline	2433	A4/4-24576	GA-5623
-8.52					
8.52	undercrossing	4" gas pipeline	1337	8018-F12-45	GCO-7856-B
9.1	undercrossing	2" gas pipeline	917	N/A	GCO-3165-B
9.4	undercrossing	2" gas main	2142	R4-18576	GB-5177
10.26	undercrossing	6" gas pipeline, under railway bridge	2045	R21-14232	GA-5042
10.54	undercrossing	4.5" gas pipeline (abandoned right-of-way)	65/09/15	N/A	GCO-4544-B

BC HYDRO GAS DIVISION - PORT SUBDIVISION RAIL CROSSING AGREEMENTS

<u>MILEAGE</u>	<u>CLASSIFICATION</u>	<u>DESCRIPTION</u>	<u>AGREEMENT NO. OR DATE</u>	<u>BC RAIL DRAWING NO.</u>	<u>BC HYDRO DRAWING NO.</u>
3.65	undercrossing	8" gas pipeline	72/11/16	E4-11439	FVT-4296
6.36	undercrossing	4" gas pipeline	75/12/17	A3/4-13061	B-1620
8.85	undercrossing	2" gas pipeline	85/07/16	A3/4-23847	A3-2369
10.18	undercrossing	2" gas pipeline	85/07/16	A3/4-23848	A3-2376
11.19	undercrossing	1.25" gas pipeline	85/07/16	A3/4-23849	A3-2371

September 2, 1988

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SCHEDULE I

BC HYDRO AND POWER AUTHORITY
FRASER VALLEY GAS
CROSSING AGREEMENTS WITH B.C. RAILWAY

AGREEMENT NUMBER	MILE POINT	LOCATION	B/W OR B/A	CARRIES	DRAWING NUMBER
493-2143.4(619) (BCNAPA BLY)	0.700	176TH STREET, SURREY	B/A	12" CASING	PVT 1204 1855-C 923067004-1
493-2174.4(619) (BCNAPA BLY)	1.60	169TH STREET, SURREY	B/A	12" CASING	PVT 1205 1844-C 923067005-1
493A-2174.4(619)	1.60 CANCELL	152ND STREET, SURREY	B/A	12" CASING	PVT 1206 1846-C 923067006-1
493-2124.4(619) (BCNAPA BLY)		164TH STREET, DELTA	B/A	12" CASING	PVT 1207 1833-C 923067007-1
493A-2134.4(619) (BCNAPA BLY)	14.20	72ND STREET, DELTA	B/A	12" CASING	PVT 1208 1843-C 923067008-1
493A-2134.4(619) (BCNAPA BLY)	15.00	36TH AVENUE, DELTA	B/A	12" CASING	PVT 1209 1827-C 923067009-1
493A-2134.4(619) (BCNAPA BLY)	16.00	64TH STREET, DELTA	B/A	12" CASING	PVT 1210 1858-C 923067010-1
493A-2134.4(619) (BCNAPA BLY)	17.24	572 STREET, DELTA	B/A	12" CASING	PVT 1211 1852-C 923067011-1
493A-2134.4(619) (BCNAPA BLY)	12.57	WEST END OF MATTHEWSON ROAD, DELTA	B/A	24" CASING	PVT 1204 1887-C 923067012-1
OIC CERT 3682 (BC BARBOURS BOA)	3.50	152ND STREET, SURREY	B/A	24" CASING	PVT 1206 3231-C 923067013-1
CERT. NO. 3203	6.36	COLLEENCOCK ROAD, SURREY	B/A	4"	B-1620 5726-C 923067014-1 C-1
CERT. NO. 4958 (B.C. RAIL)	10.13 FT SUB	104TH STREET, DELTA	B/A	2" PE	13-2276 8541 307-1 C-2
CERT. NO. 4957 (B.C. RAIL)	8.35 FT SUB	113TH STREET, DELTA	B/A	2" PE	13-2278 8539 3-2
CERT. NO. 4959 (B.C. RAIL)	11.12 FT SUB	96TH STREET, DELTA	B/A	1 1/4" PE	13-2271 8543 3-2
		151ST STREET, SURREY	B/W	4"	13-2443 8705 923067015-1 CANCELL
		14144 COLLEENCOCK ROAD, SURREY	B/W	2" PE	13-2443 8705 CANCELL
		96TH STREET, DELTA	B/A	1 1/4" PE	13-2443 87355

SCHEDULE I

BC HYDRO AND POWER AUTHORITY MAINLAND GAS DIVISION GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
** with BRITISH COLUMBIA RAILWAY						
PGE 120	GK 767	09 DEC 1959		4" HIGH PRESSURE GAS MAIN CROSSING BC RAIL AND MARINE DRIVE.		0.00
PGE 120	GK 767	09 DEC 1959	5.85	4" HIGH PRESSURE GAS MAIN CROSSING BC RAIL AND MARINE DRIVE.		0.00
	GK 768		6.50	2" NATURAL GAS PIPELINE AT OXLEY ST., WEST VANCOUVER.		0.00
	GK 380		0.34	3" NATURAL GAS PIPELINE AT BENWICK AVE., NORTH VANCOUVER.		0.00
GK 1200	21 FEB 1961			3" GAS MAIN CROSSING BC RAIL RIGHT OF WAY AT LONSDALE AVE., NORTH VANCOUVER.		0.00
GCO 29808		17 MAR 1964	3.82	GAS MAIN ON 18TH ST. SOUTH OF BELLEVUE AVE., WEST VANCOUVER.		0.00
GCO 45448		15 SEPT 1963	10.54	4.5" P EAGLE RIDGE ROAD, WEST VANCOUVER.		0.00
GCO 24148		07 NOV 1963	4.72	2" HIGH PRESSURE MAIN UNDER BC RAIL TRACKS AT 24TH ST., WEST VANCOUVER.		0.00
GCO 35108		08 OCT 1964	3.74	3/4" HIGH PRESSURE MAIN AT 18TH ST. AND ARDYLE, WEST VANCOUVER.		0.00
GCO 27838		19 OCT 1964	3.30	1-1/4" HIGH PRESSURE MAIN AT 13TH ST., WEST VANCOUVER.		0.00
GCO 8008			1.40	2" NATURAL GAS PIPELINE AT PHILLIPS AVE., NORTH VANCOUVER.		0.00
<u>GK 2984</u>		28 MAR 1967	1.0	3" H.P. EAST FOOT OF PEMBERTON ST., NORTH VANCOUVER. DOCT ORDER IN COUNCIL 1289 17 APRIL 1967.		0.00
<u>GK 4075</u>		24 JAN 1969	0.48	1" U-2 S. FELL AVE. TO SERVE FOOT OF FELL AVE.		0.00
<u>GK 3081</u>		17 OCT 1963	8.20	2" HIGH PRESSURE GAS PIPE CROSSING AT PICADILLY LANE BETWEEN ROCKY WAY AND CLOVELLY WALK, WEST VANCOUVER.		0.00
		17 AUG 1971	10.00	3" GAS LINE THROUGH AN ABANDONED WATERLINE UNDER BC RAIL TRACKS AT MARINE DRIVE NORTH OF ORCHILL ROAD, WEST VANCOUVER.	007738	10.00
<u>GA5012</u>		13 JAN 1978	5.80	2" HIGH PRESSURE ON 31ST STREET BETWEEN MARINE DRIVE AND PROCTOR AVE., WEST VANCOUVER.		0.00
00916	GK 2155	11 MAY 1964	3.80	1/2" HIGH PRESSURE GAS MAIN AT 16TH STREET AND BELLEVUE AVE., WEST VANCOUVER.	001334	5.00
00917	GCO 31858	17 JUNE 1964	9.10	2" HIGH PRESSURE GAS MAIN AT MARINE DRIVE AND KEITH ROAD, WEST VANCOUVER.	001336	5.00
00625	GK 978	01 OCT 1960	2.40	3" HIGH PRESSURE GAS MAIN EXTENSION ACROSS BC RAIL RIGHT OF WAY UNDER THE LIONS GATE BRIDGE, WEST VANCOUVER.	001357	5.00
00469	GK 184	21 NOV 1957	3.40	2" GAS MAIN AT 14TH STREET IN THE MUNICIPALITY OF WEST VANCOUVER.	001412	5.00
00470	GK 150	21 NOV 1957	5.20	2" STEEL GAS MAIN IN 28TH STREET, MUNICIPALITY OF WEST VANCOUVER.	001413	5.00

1/11/88

SCHEDULE I

BC HYDRO AND POWER AUTHORITY
MAINLAND GAS DIVISION
GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
00571	OK 763	01 OCT 1959	7.60	3" HIGH PRESSURE GAS MAIN AT KEITH ROAD, WEST VANCOUVER.	001446	5.00
00567	OK 731	01 SEPT 1959	7.50	4" GAS MAIN CROSSING AT BURKHILL ROAD, WEST VANCOUVER.	001447	5.00
001301	QCO 70988	17 JAN 1968	0.20	1 1/4" HP AT ESPLANADE ST., N. VANCOUVER DISTRICT-MOQUITO CREEK MARINE BASIN COMM. TRANSP. CERT. - ORDER IN COUNCIL CERT - DEPT INDIAN AFF & N. DEVELOPMENT.	008485	5.00
001337	QCO 78588	08 AUG 1968	8.52 4" HP	NATURAL GAS PIPELINE UNDER BC RAIL TRACKS.	008488	5.00
001835	GA 4726	03 SEPT 1974	0.015	2" GAS PIPELINE CROSSING AT ESPLANADE AND HANON AVE., NORTH VANCOUVER.	008114	10.00
002045	GA 5042	01 DEC 1977	10.28	8" GAS MAIN TRESTLE OVER WESTPORT ROAD, WEST VANCOUVER.	011434	10.00
002133	GA 5162	23 OCT 1979	4.80	1/2" GAS PIPELINE UNDERCROSSING IN WEST VANCOUVER.	011443	10.00
002142	GB 5177 R2	16 FEB 1980	9.40	2" HIGH PRESSURE GAS MAIN CROSSING BC RAIL TRACKS AT HEN AND KEITH ROADS, WEST VANCOUVER.	011445	10.00
002192	GA 5231	20 OCT 1980	0.065	UNDERCROSSING AGREEMENT AT FORBES AND ESPLANADE AVE., NORTH VANCOUVER.	019777	10.00
002202	GA 5232 REV3	20 DEC 198	0.245	UNDERCROSSING AGREEMENT FOR 4" GAS MAIN WITHIN CHESTERFIELD AVE., NORTH VANCOUVER.	019778	10.00
002250	GB 5308	01 AUG 1981		UNDERCROSSING AGREEMENT FOR 4" GAS MAINS AT MILES 1.05, 1.30, AND 1.50 NORTH VANCOUVER, 1991 WEST 1ST STREET.	019780	51.00
002433	GA 5823	01 DEC 1985	8.52 E. 4th	3/4" MAIN MCKENZIE NORTH OF MARINE DRIVE, WEST VANCOUVER.	022806	60.00
002403	GB 5308 R2	01 AUG 1985	1.35 1.39 1.50	1-1/4" SERVICE CROSSING TO SERVE 1991 WEST 1ST AVE., NORTH VANCOUVER.	022807	60.00
	GA 5379	30 MAR 1982		4" MAIN CROSSING R/W ON MCKEEN AVE. 385' EAST OF PHILLIPS AVE., NORTH VANCOUVER.		0.00
	GA 5383	30 MAR 1982		4" SERVICE HEADER CROSSING AT FOOT OF PEMBERTON IN EASEMENT 590' SOUTH OF MCKEEN AVE., NORTH VANCOUVER.		0.00

DATED _____ 19 _____

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

74280 B.C. LTD.

A G R E E M E N T

OWEN, BIRD,
BARRISTERS AND SOLICITORS,
2800-595 Burrard Street,
VANCOUVER, B.C.
V7X 1J5
(688-0401)

RJA:js File #1166/9

CONSENT

BC RAIL LTD. HEREBY CONSENTS to an Assignment dated the 16th day of July, 1988 between BRITISH COLUMBIA HYDRO AND POWER AUTHORITY AND 74280 B.C. LTD., both of the Province of British Columbia, of the Undercrossing Agreements more particularly described in Schedule attached hereto between BC Rail Ltd. (as successor in title, originally British Columbia Railway Company) as the "Railway Company" and BRITISH COLUMBIA HYDRO AND POWER AUTHORITY as the "Applicant" without prejudice to the rights of BC Rail Ltd. under or in respect of the said Undercrossing Agreements and provided that this Consent is limited to the actual Assignment hereinbefore mentioned and save as aforesaid, the covenants of the said Agreements contained against assignment or subletting shall remain in full force and effect.

DATED this 20th day of September, 1988.

BC RAIL LTD.



Authorized Signatory



Authorized Signatory

SCHEDULE

GRANTOR: B.C. Railway

AGREEMENTS:

Particulars attached

BC HYDRO GAS DIVISION - MAINLINE RAIL CROSSING AGREEMENTS

<u>MILEAGE</u>	<u>CLASSIFICATION</u>	<u>DESCRIPTION</u>	<u>AGREEMENT NO. OR DATE</u>	<u>BC RAIL DRAWING NO.</u>	<u>BC HYDRO DRAWING NO.</u>
-0.24	undercrossing	4" gas pipeline	2202	L4-18896	GA-5232
-0.06	undercrossing	2" gas main	2192	L4-18638	GA-5231
-0.01	undercrossing	2.375" gas pipeline	1835	12179-M101-11	GA-4726
0.2	undercrossing	1.66" gas pipeline	1301	7787-F10-31	GCO-7096-B
0.34	undercrossing	3" gas pipeline	-	N/A	GK-380
0.48	undercrossing	4.5" gas pipeline	69/01/24	8211-E9-23	GK-4075
1.0	undercrossing	3.5" gas pipeline	67/02/28	7425-L18-4	GK-2984
1.2	undercrossing	4" gas pipeline under McKeen & Wilson spur trackage	82/03/30	L4-20484	GA-5383
1.27	undercrossing	4" gas pipeline under McKeen & Wilson spur trackage	82/03/30	L4-20483	GA-5379
1.35	undercrossing	4.5" gas pipeline under spur trackage (North Van yard)	2403	B4-24363	GD-5309(R2)
1.39	undercrossing	4.5" gas pipeline under spur trackage (North Van yard)	2403	B4-24363	GD-5309(R2)
1.4	undercrossing	2" gas pipeline	62/10/18	N/A	GCO-900-B
1.53	undercrossing	4.5" gas pipeline under spur trackage (North Van yard)	2403	B4-24363	GD-5309(R2)
1.58	undercrossing	4.5" gas pipeline under spur trackage (North Van yard)	2403	B4-24363	GD-5309(R2)
2.4	undercrossing	3" gas pipeline	625	N/A	GK-979
3.3	undercrossing	1.25" gas pipeline	64/10/19	N/A	GCO-2783-B
3.4	undercrossing	2" gas main	469	N/A	GK-184
3.6	undercrossing	1.5" gas main	916	N/A	GK-2155
3.74	undercrossing	.75" gas pipeline	64/10/08	N/A	GCO-3510-B
3.82	undercrossing	1.25" gas line	64/03/17	N/A	GCO-2960-B
4.61	undercrossing	.5" gas pipeline	2133	L4-17840	GA-5162
4.72	undercrossing	2" gas pipeline	63/11/07	N/A	GK-3086,
				N/A	GCO-2414-B

BC HYDRO GAS DIVISION - MAINLINE RAIL CROSSING AGREEMENTS

<u>MILEAGE</u>	<u>CLASSIFICATION</u>	<u>DESCRIPTION</u>	<u>AGREEMENT NO. OR DATE</u>	<u>BC RAIL DRAWING NO.</u>	<u>BC HYDRO DRAWING NO.</u>
5.2	undercrossing	2" gas main	470	N/A	GK-150
5.8	undercrossing	2" gas pipeline, under railway overpass	78/01/13	M5-13763	GK-5012
5.85	undercrossing	4" gas pipeline, under railway overpass	59/12/09	N/A	GK-767
6.5	undercrossing	2" gas pipeline, under railway overpass	60/03/17	N/A	GK-768
7.5	undercrossing	4" gas pipeline	567	N/A	GK-731
7.8	undercrossing	3" gas pipeline, under railway overpass	571	N/A	GK-763
8.2	undercrossing	2" gas pipeline	63/10/17	N/A	GK-3081,
				N/A	GCO-2024-B
8.48	undercrossing	gas pipeline	2433	A4/4-24576	GA-5623
-8.52					
8.52	undercrossing	4" gas pipeline	1337	8018-F12-45	GCO-7856-B
9.1	undercrossing	2" gas pipeline	917	N/A	GCO-3165-B
9.4	undercrossing	2" gas main	2142	R4-18576	GB-5177
10.26	undercrossing	6" gas pipeline, under railway bridge	2045	R21-14232	GA-5042
10.54	undercrossing	4.5" gas pipeline (abandoned right-of-way)	65/09/15	N/A	GCO-4544-B

BC HYDRO GAS DIVISION - PORT SUBDIVISION RAIL CROSSING AGREEMENTS

<u>MILEAGE</u>	<u>CLASSIFICATION</u>	<u>DESCRIPTION</u>	<u>AGREEMENT NO. OR DATE</u>	<u>BC RAIL DRAWING NO.</u>	<u>BC HYDRO DRAWING NO.</u>
3.65	undercrossing	8" gas pipeline	72/11/16	E4-11439	FVT-4296
6.36	undercrossing	4" gas pipeline	75/12/17	A3/4-13061	B-1620
8.85	undercrossing	2" gas pipeline	85/07/16	A3/4-23847	A3-2369
10.18	undercrossing	2" gas pipeline	85/07/16	A3/4-23848	A3-2376
11.19	undercrossing	1.25" gas pipeline	85/07/16	A3/4-23849	A3-2371

SCHEDULE I

BC HYDRO AND POWER AUTHORITY FRASER VALLEY GAS CROSSING AGREEMENTS WITH B.C. RAILWAY

AGREEMENT NUMBER	MILE POINT	LOCATION	E/W OR S/A	CARRIAGE	DRAWING NUMBER
481-2143.4(618) (BCNAPA RLY)	0.700	176TH STREET, SURREY	E/W	12" CASING	FVT 1294 1255-C 32307004-1
481-2144.4(618) (BCNAPA RLY)	1.50	160TH STREET, SURREY	E/W	12" CASING	FVT 1294 1244-C 32307004-2
482A-2134.4(618)	1.60 CANCELL	152ND STREET, SURREY	E/W	12" CASING	FVT 1294 1245-C 32307004-3
482-2134.4(618) (BCNAPA RLY)		104TH STREET, DELTA	E/W	12" CASING	FVT 1294 1246-C 32307004-4
482A-2134.4(618) (BCNAPA RLY)	14.00	72ND STREET, DELTA	E/W	12" CASING	FVT 1294 1247-C 32307004-5
482A-2134.4(618) (BCNAPA RLY)	15.00	50TH AVENUE, DELTA	E/W	12" CASING	FVT 1294 1248-C 32307004-6
482A-2134.4(618) (BCNAPA RLY)	16.57	50TH STREET, DELTA	E/W	12" CASING	FVT 1294 1249-C 32307004-7
482A-2134.4(618) (BCNAPA RLY)	17.04	512 STREET, DELTA	E/W	12" CASING	FVT 1294 1250-C 32307004-8
482A-2134.4(618) (BCNAPA RLY)	12.57	WEST END OF HAYDON ROAD, DELTA	E/W	12" CASING	FVT 1294 1251-C 32307004-9
OIC CERT 3682 (BC HARBOURS RLY)	3.60	152ND STREET, SURREY	E/W	12" CASING	FVT 1294 1252-C 32307004-10
CERT. NO. 3283	6.36	COLEBROOK ROAD, SURREY	E/W	4"	B-1620 5786-C 32307004-11
CERT. NO. 4852 (B.C. RAIL)	10.12 FT SUB	104TH STREET, DELTA	E/W	3" PE	A3-2376 2541 327-1 3-1
CERT. NO. 4853 (B.C. RAIL)	8.35 FT SUB	112TH STREET, DELTA	E/W	3" PE	A3-2376 2541 327-1 3-2
CERT. NO. 4854 (B.C. RAIL)	11.13 FT SUB	96TH STREET, DELTA	E/W	1 1/4" PE	A3-2376 2541 327-1 3-3
		152ND STREET, SURREY	E/W	4"	A3-2376 2541 327-1 3-4
		1414 COLEBROOK ROAD, SURREY	E/W	3" PE	A3-2376 2541 327-1 3-5
		96TH STREET, DELTA	E/W	1 1/4" PE	A3-2376 2541 327-1 3-6

SCHEDULE I

BC HYDRO AND POWER AUTHORITY
MAINLAND GAS DIVISION
GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
** with BRITISH COLUMBIA RAILWAY						
POE 120	GK 787	09 DEC 1959		4" HIGH PRESSURE GAS MAIN CROSSING BC RAIL AND MARINE DRIVE.		0.00
POE 120	GK 787	09 DEC 1959	5.85	4" HIGH PRESSURE GAS MAIN CROSSING BC RAIL AND MARINE DRIVE.		0.00
	GK 788		8.80	2" NATURAL GAS PIPELINE AT OXLEY ST., WEST VANCOUVER.		0.00
	GK 380		0.34	3" NATURAL GAS PIPELINE AT BENWICK AVE., NORTH VANCOUVER.		0.00
GK 1200	21 FEB 1961			8" GAS MAIN CROSSING BC RAIL RIGHT OF WAY AT LEWDALE AVE., NORTH VANCOUVER.		5.00
GCO 29808	17 MAR 1964		3.82	GAS MAIN ON 18TH ST. SOUTH OF BELLEVUE AVE., WEST VANCOUVER.		0.00
GCO 45448	15 SEPT 1965		10.54	4.5" H.P. EAGLE RIDGE ROAD, WEST VANCOUVER.		0.00
GCO 24148	07 NOV 1963		4.72	2" HIGH PRESSURE MAIN UNDER BC RAIL TRACKS AT 24TH ST., WEST VANCOUVER.		0.00
GCO 35108	08 OCT 1964		3.78	3/4" HIGH PRESSURE MAIN AT 18TH ST. AND ARGYLE, WEST VANCOUVER.		0.00
GCO 27838	19 OCT 1964		3.30	1-1/4" HIGH PRESSURE MAIN AT 18TH ST., WEST VANCOUVER.		0.00
GCO 8008			1.40	2" NATURAL GAS PIPELINE AT PHILLIPS AVE., NORTH VANCOUVER.		0.00
<u>GK 2984</u>	28 MAR 1967		1.0	3" H.P. EAST FOOT OF PEMBERTON ST., NORTH VANCOUVER. DOCT ORDER IN COUNCIL 1288 17 APRIL 1967.		0.00
<u>GK 4075</u>	24 JAN 1969		0.48	4" H.R. S. FELL AVE. TO SERVE FOOT OF FELL AVE.		0.00
<u>GK 3081</u>	17 OCT 1963		8.20	2" HIGH PRESSURE GAS PIPE CROSSING AT PICADILLY LANE BETWEEN ROCKY WAY AND CLOVELLY WALK, WEST VANCOUVER.		0.00
17 AUG 1974			10.00	8" GAS LINE THROUGH AN ABANDONED WATERLINE UNDER BC RAIL TRACKS AT MARINE DRIVE NORTH OF ORCHILL ROAD WEST VANCOUVER.	007238	10.00
<u>GA5012</u>	13 JAN 1978		8.80	2" HIGH PRESSURE ON 31ST STREET BETWEEN MARINE DRIVE AND PROCTOR AVE., WEST VANCOUVER.		0.00
00916	GK 2155	11 MAY 1964	3.80	1/2" HIGH PRESSURE GAS MAIN AT 16TH STREET AND BELLEVUE AVE., WEST VANCOUVER.	001334	5.00
00917	GCO 31858	17 JUNE 1964	8.10	2" HIGH PRESSURE GAS MAIN AT MARINE DRIVE AND KEITH ROAD, WEST VANCOUVER.	001338	5.00
00625	GK 878	01 OCT 1960	2.40	3" HIGH PRESSURE GAS MAIN EXTENSION ACROSS BC RAIL RIGHT OF WAY UNDER THE LIONS GATE BRIDGE, WEST VANCOUVER.	001357	5.00
00469	GK 184	21 NOV 1957	3.40	2" GAS MAIN AT 14TH STREET IN THE MUNICIPALITY OF WEST VANCOUVER.	001412	5.00
00470	GK 150	21 NOV 1957	5.20	2" STEEL GAS MAIN IN 28TH STREET, MUNICIPALITY OF WEST VANCOUVER.	001413	5.00

11/11/88

SCHEDULE I

BC HYDRO AND POWER AUTHORITY
MAINLAND GAS DIVISION
GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
00571	GK 783	01 OCT 1959	7.60	3" HIGH PRESSURE GAS MAIN AT KEITH ROAD, WEST VANCOUVER.	001446	5.00
00567	GK 731	01 SEPT 1959	7.50	4" GAS MAIN CROSSING AT BURKENHILL ROAD, WEST VANCOUVER.	001447	5.00
001301	GCO 70988	17 JAN 1988	0.20	1 1/4" HP AT ESPLANADE ST., N. VANCOUVER DISTRICT-MOQUITO CREEK MARINE BASIN. COMM. TRANSP. CERT. - ORDER IN COUNCIL CERT - DEPT INDIAN AFF & N. DEVELOPMENT.	006485	5.00
091337	GCO 78588	08 AUG 1988	8.52 4" HP	NATURAL GAS PIPELINE UNDER BC RAIL TRACKS.	006488	5.00
001835	GA 4726	03 SEPT 1974	0.015	2" GAS PIPELINE CROSSING AT ESPLANADE AND MUNCH AVE., NORTH VANCOUVER.	009114	10.00
002045	GA 5042	01 DEC 1977	10.28	8" GAS MAIN TRESTLE OVER WESTPORT ROAD, WEST VANCOUVER.	011434	10.00
002133	GA 5162	23 OCT 1979	4.60	1/2" GAS PIPELINE UNDERCROSSING IN WEST VANCOUVER.	011443	10.00
002142	GB 5177 R2	16 FEB 1980	9.40	2" HIGH PRESSURE GAS MAIN CROSSING BC RAIL TRACKS AT NEW AND KEITH ROADS, WEST VANCOUVER.	011445	10.00
002182	GA 5231	20 OCT 1980	0.065	UNDERCROSSING AGREEMENT AT FORBES AND ESPLANADE AVE., NORTH VANCOUVER.	019777	10.00
002202	GA 5232REV3	20 DEC 198	0.245	UNDERCROSSING AGREEMENT FOR 4" GAS MAIN WITHIN CHESTERFIELD AVE., NORTH VANCOUVER.	019778	10.00
002238	GB 5305	01 AUG 1981		UNDERCROSSING AGREEMENT FOR 4" GAS MAINS AT MILES 1.00, 1.30, AND 1.50 NORTH VANCOUVER, 1981 WEST 1ST STREET.	019780	51.00
002433	GA 5823	01 DEC 1985	8.52 E. 48' 1"	3/4" MAIN MCKENZIE NORTH OF MARINE DRIVE, WEST VANCOUVER.	022806	60.00
002403	GD 5309 R2	01 AUG 1985	1.35 1.39 1.50	1-1/4" SERVICE CROSSING TO SERVE 1981 WEST 1ST AVE., NORTH VANCOUVER.	022807	60.00
	GA 5378	30 MAR 1982		4" MAIN CROSSING R/W ON MCKEEN AVE. 395' EAST OF PHILLIPS AVE., NORTH VANCOUVER.		0.00
	GA 5383	30 MAR 1982		4" SERVICE HEADER CROSSING AT FOOT OF PEMBERTON IN EASEMENT 590' SOUTH OF MCKEEN AVE., NORTH VANCOUVER.		0.00

C.N. Rail
Consent of C.N. Rail re: crossings

THIS AGREEMENT made as of the 16th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter referred to as the "Assignor")

OF THE FIRST PART

AND:

74280 B.C. LTD., a company incorporated under
the laws of the Province of British Columbia,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1T3

(hereinafter referred to as the "Assignee")

OF THE SECOND PART

WHEREAS by asset transfer agreement entered into as of July 15, 1988 between the Assignor as vendor and the Assignee as purchaser (the "Asset Transfer Agreement") the Assignor agreed to sell and the Assignee agreed to purchase certain rights, property and assets of the Assignor, including, and without limiting the generality of the foregoing, its Gas Distribution System as defined in the Asset Transfer Agreement;

WHEREAS by various agreements made between the person listed in the Schedule hereto or any of its predecessors in interest (the "Grantor") and the Assignor or any of its predecessors in interest (the "Grantee"), the Grantor granted to the Grantee certain leases, licenses, permits or rights-of-way in respect of the installation, operation, and maintenance of a portion of the Gas Distribution System over the lands of the Grantor (the "Grants");

AND WHEREAS pursuant to the Asset Transfer Agreement the Assignor has agreed to sell to the Assignee and the Assignee has agreed to purchase from the Assignor, inter alia, all the right, title, interest, privilege and advantage of, in and to the Grants and the agreements by which they were granted, including and without limiting the generality of the foregoing, those agreements which are more particularly set forth in the Schedule hereto (the "Agreements").

NOW THIS AGREEMENT WITNESSETH that in consideration of the sum of ONE DOLLAR (\$1.00) and other good and valuable consideration now paid by the Assignee to the Assignor (the receipt whereof the Assignor acknowledges) the Assignor does hereby grant, assign, transfer and set over unto the Assignee, its successors and assigns, the Grants and the Agreements and all the right, title, interest, privilege and advantage thereto, therein and thereof, to have and to hold the same unto and to the use of the Assignee forever subject to the terms, covenants and conditions in the Agreements contained.

AND the Assignee in consideration of the premises, and for itself, its successors and assigns, promises and agrees with the Assignor, and its respective successors and assigns, that it will take the assignment of the Grants subject to all and each of the covenants and conditions therein contained and made and entered into by the Assignor in the Agreements and it will be bound by and keep and observe and perform the same in the same manner and to the same extent as if it had originally been bound by the Agreements of and from the date hereof.

The parties hereto expressly agree that in those instances where the Grants are capable of assignment only with the consent of the Grantor, this assignment shall not take effect until the Grantor has consented thereto.

THIS AGREEMENT shall ensure to the benefit of and be binding upon the parties hereto and their respective successors and assigns.

IN WITNESS WHEREOF the parties hereto have hereunto affixed their corporate seals under the hands of their proper officers in that behalf on the day and year first above-written.

SIGNED, SEALED and DELIVERED)
on behalf of BRITISH COLUMBIA)
HYDRO AND POWER AUTHORITY in)
the presence of:)

A. McPherson

Name - 1045 HOWE STREET
VANCOUVER, B.C.
V6Z 2B1

Address

Legal Secy Secretary
Occupation

SIGNED, SEALED and DELIVERED)
on behalf of 74280 B.C. LTD.)
in the presence of:)

R. Burnett

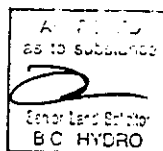
Name

970 Burrard St. Van. B.C.
Address

Lawyer
Occupation

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY by its
Attorneys-In-Fact

[Signature]
[Signature]



J. P. Sheehan

SCHEDULE

GRANTOR: Canadian National Railway

AGREEMENTS:

Particulars attached

a

SCHEDULE I

<u>LICENSOR</u>	<u>LEGAL DESCRIPTION</u>	<u>FILE NUMBER</u>
C.N.R. Co. & T.P.L. Industries Ltd.	Lot 155, Group 1, Plan 3077, except Parcel "A" (Ex. Pl. 8786) Parcel "B" R.P. 9170 and Plans 16380, 18016 and 28236, N.W.D.	465-1002.0(X2)

a

SCHEDULE II

B.C. HYDRO AND POWER AUTHORITY
MAINLAND GAS
MISCELLANEOUS CROSSING AGREEMENTS
DISCLOSURE SCHEDULE

<u>File Number</u>	<u>Drawing Number</u>	<u>Date of Agreement</u>	<u>Agreement Covers</u>	<u>Certificate</u>
Canadian National Railway				
		26 Apr 1968	C.N.R. to construct a subway to carry their tracks across and over the Mountain Highway, North Vancouver at mile 5.4 Burrard subdivision.	CTC R-2153
	GA4462	18 Sep 1973	12" HP pipeline across CNR tracks at mile 8.74 Lulu Island branch, Richmond. Casing of Castrol Oils (Canada) Ltd. Private Siding.	CTC R-17270

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SCHEDULE II

BC HYDRO AND POWER AUTHORITY
MAINLAND GAS DIVISION
GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
** with CANADIAN NATIONAL RAILWAY						
08422	P 23796	01 JAN 1954	131.78	6" LOW PRESSURE GAS MAIN CROSSING CNR TRACKS - STATION STREET AT NORTHERN STREET, VANCOUVER. YALE SUBDIVISION.		0.00
9839		01 SEPT 1955	131.80	2" SEMI-HIGH PRESSURE GAS MAIN UNDER CNR TRACKS AT COTTRELL STREET, VANCOUVER. YALE SUBDIVISION.		0.00
10588	43343	01 JUNE 1956	2.66	PROPOSED 12" GAS MAIN CROSSING CNR RIGHT OF WAY AT MILE 2.66 D.L. 172.	001433	22.00
10728	X 43346	01 SEPT 1956	10.5	PROPOSED 12" GAS MAIN CROSSING CNR R/W AT OAK STREET BRIDGE RIGHT OF WAY, RICHMOND.	001439	24.00
10880	GK 58	01 DEC 1956	10.13	6" HIGH PRESSURE GAS MAIN UNDER CNR AT NO. 8 ROAD, RICHMOND.		0.00
10881	GK 57	01 DEC 1956	10.73	8" H.P. GAS MAIN UNDER CNR AT BRIDGEPORT ROAD, RICHMOND. LULU IS. BRANCH.		0.00
11082	2059	APR 30 1957	4.06	PROPOSED 8" GAS MAIN CROSSING CNR R/W AT WIGGINS STREET, BURNABY. LULU IS. BRANCH.		0.00
11147	GK 99	01 APR 1957	5.02	1-1/4" H.P. GAS SERVICE UNDER CNR TRACKS AT 293' EAST OF SEYMOUR AVE. ON RAILROAD ST., N. VANCOUVER. BURRARD HARBOUR SUBDIVISION.		0.00
11160	GK 108	01 APR 1957		4" H.P. GAS MAIN UNDER CNR SPUR TRACK AT STATION AND SOUTHERN STREETS, VANCOUVER.		0.00
11189	GK 117	01 APR 1957	10.37	2" H.P. GAS MAIN UNDER CNR AT SIMPSON ROAD NORTH OF BRIDGEPORT ROAD, RICHMOND. LULU IS. BRANCH.		0.00
11249	GK 127	01 JUNE 1957	1.25	GAS MAIN EXTENSION UNDER CNR R/W AT GARDEN CITY ROAD BLOCK 3H RANGE 6W, RICHMOND. STEVESTEN BRANCH LULU IS. SUBDIVISION.	001411	14.00
11280		01 MAY 1957	5.0	2" H.P. GAS MAIN UNDER CNR AT MOUNTAIN HWY. AND RAILWAY STREET, DIST. OF N. VANCOUVER. BURRARD HARBOUR YARD.		0.00
11283	GK 98	01 APR 1957	11.24	2" H.P. GAS MAIN UNDER CNR AT CAMBIE STREET, RICHMOND. LULU IS. BRANCH.		0.00
00037	GK 1072	01 MAR 1961	0.87	12" GAS MAIN CROSSING AT WESTMINSTER HIGHWAY EAST OF NO. 9 ROAD, RICHMOND. EWEN BRANCH.		0.00
11375	GK 100	01 MAY 1957		8" H.P. GAS MAIN UNDER CNR AT ROGERS STREET. LEAD TO HMB NO. 3 ELEVATOR, VANCOUVER.		0.00
11429	GK 140	01 JULY 1957	10.90	2" H.P. GAS MAIN UNDER CNR TRACKS AT BIRD ROAD BY SHELL ROAD, RICHMOND. LULU IS. BRANCH.		0.00
11440	GK 157	01 AUG 1957		8" H.P. GAS MAIN UNDER CNR R/W AND CNR		0.00


SCHEDULE II

BC HYDRO AND POWER AUTHORITY
MAINLAND GAS DIVISION
GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
11488	GK 177		9.84	4" HP GAS MAIN IN NATIONAL AVE. CROSSING UNDER CNR SPUR AT 141' WEPL LOT 3, SEC. 19, BLOCK 5N, RANGE 5W, RICHMOND. LULU IS. BRANCH.		0.00
11547	GK 171		10.12	4" HP GAS MAIN UNDER CNR R/W AT NO. 5 ROAD, RICHMOND. SECTION 19, BLOCK 5N, RANGE 5W. LULU IS. BRANCH.		0.00
12102		01 JUNE 1958		8" GAS LINE UNDER SPUR TRACKS IN THE VICINITY OF COMMERCIAL AND SALSBURY STREETS, VANCOUVER.		0.00
12588	PME 5338A	01 JAN 1959		GAS MAIN CROSSING ST. ANDREWS AVE., N. VANCOUVER.		0.00
12901	GCO 8634B	01 MAY 1959	9.24	GAS MAIN CROSSING AT MILE 9.24 LULU IS. SUBDIVISION.	001435	6.00
13549	GK 958	15 FEB 1960	8.88	2" H.P. GAS SERVICE CROSSING CNR R/W ON VULCAN WAY EAST FROM NO. 6 ROAD, RICHMOND. LULU IS. BRANCH.	001480	6.00
13589	GK 940	01 FEB 1960	9.33	1-1/4" H.P. GAS SERVICE CROSSING ON VULCAN WAY, RICHMOND. LULU IS. BRANCH.	001354	6.00
13650	GK 981	15 APR 1960	13.25	8" GAS MAIN CROSSING AT BLUNDELL AND SHELL ROADS, RICHMOND. LULU IS. BRANCH.		0.00
13714	GK 1015	01 JUNE 1960	12.24	INSTALLATION OF 8" MAIN AT MILE 12.24 LULU ISLAND SUBDIVISION.		0.00
00038	GK 1248	01 MAR 1961		4" GAS MAIN CROSSING AT 6TH AVE., NEW WESTMINSTER.		0.00
00194	GK 1495	01 NOV 1961	2.55	3/4" SERVICE AT 20TH STREET, CPR/CNR RIGHT OF WAY. LULU ISLAND SUBDIVISION.		0.00
00517	GCO 1588B	01 JAN 1963	2.23	3" T.P. GAS PIPELINE UNDER CNR TRACKS. LULU ISLAND SUBDIVISION.	001314	6.00
00544	GM 1748	01 NOV 1963	10.11	PROPOSED ANODE BED ON CNR RIGHT OF WAY. LULU IS. SUBDIVISION.	001317	10.00
00558	GCO 1761B		1.84	3" GAS MAIN EXTENSION UNDER CNR TRACKS, BURRARD SOUTH.		0.00
00871	GCO 1840B	01 MAY 1963		????????? BURRARD SUBDIVISION.		0.00
00740	GCO 1988B	01 SEPT 1963	5.60	PIPELINE CROSSING. BURRARD SUBDIVISION.		0.00
00740	GA 4682	01 FEB 1966	5.06	TEMPORARY INCREASE IN PRESSURE IN 3" PIPELINE CROSSING, BROOKSBANK AVE. FROM COTTON ROAD. BURRARD SUBDIVISION.		0.00
00868	GCO 2471B	01 DEC 1963	1.13	PIPELINE CROSSING. LULU IS. SUBDIVISION.		0.00
00873	GK 1008	01 JAN 1964	4.93	2" GAS PIPELINE. BURRARD HARBOUR YARD.		0.00
00891	GCO 2808B	18 FEB 1964		1-1/4" TRUNK PRESSURE GAS MAIN PARALLEL TO R/W ON SPICER ST. AT CHARLES ST., N. VANCOUVER. MILE 0.73 TO 0.79 SEYMOUR BRANCH.	001331	3.00
01022	GK 2927	01 JULY 1964	9.14	4" HIGH PRESSURE GAS PIPELINE VULCAN WAY AT NO. 6 ROAD, RICHMOND. LULU IS. SUBDIVISION.	001337	8.00


SCHEDULE II

BC HYDRO AND POWER AUTHORITY
MAINLAND GAS DIVISION
GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
01032	GCO 3244B		0.81	3" H.P. MAIN RIVERSIDE DRIVE BETWEEN SPICER ST. AND HARBOUR DRIVE, NORTH VANCOUVER. SEYMOUR BRANCH.		0.00
01075	GCO 7128B	01 MAY 1988	5.19	4" H.P. MAIN ON MOUNTAIN HIGHWAY BETWEEN DOMINION AND BARROW STREETS, NORTH VANCOUVER. BURRARD SUBDIVISION.		0.00
01097	GCO 3432B		10.13	4" H.P. MAIN SOUTH FOOT OF NO. 5 ROAD, RICHMOND. LULU IS. SUBDIVISION.		0.00
01137	GCO 3502B	01 NOV 1984	18.23	3" H.P. MAIN TO SERVE DELTA FLOUR MILLS. 001340 LULU IS. SUBDIVISION.		7.00
01212	GCO 3683B		5.88	3" TRUNK PRESSURE ON MAIN ST. AND KEITH AVE., NORTH VANCOUVER. BURRARD SUBDIVISION.		0.00
01274	GCO 3431B	01 APR 1985		1-1/4" GAS SERVICE TO CONCRETE TECHNOLOGY LTD., RICHMOND. MILE 2.18 EVEN BRANCH OFF MILE 5.28 LULU IS. SUBDIVISION.	005178	8.00
01277	GCO 3586B	01 NOV 1984	18.78	2" HIGH PRESSURE CROSSING. LULU IS. SUBDIVISION.		0.00
01290	GK 1063	01 MAR 1985	5.08	?? ?? SEYMOUR ST., NORTH VANCOUVER. BURRARD SUBDIVISION.		0.00
01325	GCO 3851B	01 MAY 1985	11.40	2" HIGH PRESSURE LINE DEAS ISLAND HWY. AND VANGUARD ROAD, RICHMOND. LULU IS. SUBDIVISION.	005184	6.00
01328	GCO 3993B	01 MAY 1985	17.06	3" HIGH PRESSURE LINE RICE HILL RD. EAST OF SIDAWAY ROAD, RICHMOND. LULU IS. SUBDIVISION.	005185	8.00
01448	GK 2396	01 SEPT 1985	2.03	?? ?? PACIFIC ELEVATORS - STEWART ST. NORTH FOOT OF SALSBURY, VANCOUVER. BURRARD SUBDIVISION.		0.00
01599	GK 2634	01 FEB 1986	1.09	1-1/4" GAS PIPELINE CROSSING AT TERMINAL AND TENTH ST., NEW WESTMINSTER. LULU IS. SUBDIVISION.		0.00
01690	GK 2780	01 JUNE 1986	8.95	SERVICE TO MOORE DRY KILN CO. - 190 NO. 6 ROAD, RICHMOND. LULU IS. SUBDIVISION.	005192	6.00
01800	GCO 5228B	01 AUG 1986	7.56	3" H.P. EAST ESPLANADE AVE. WEST OF LONSDALE, NORTH VANCOUVER. BURRARD SUBDIVISION.		0.00
01839	GK 2874	01 NOV 1986	9.19	???????? 1380 VULCAN WAY, RICHMOND. LULU IS. SUBDIVISION.	005195	6.00
01862	GK 2891	01 DEC 1986	0.52	???????? FRONT STREET EAST OF 6TH STREET, NEW WESTMINSTER. 726 FRONT ST. LULU IS. SUBDIVISION.		0.00
01902	GCO 6018B	01 FEB 1987	3.29	???????? SERVICE TO B.A. CHEMICAL, WILLARD ST. AT SPRUCE, BURNABY. LULU IS. SUBDIVISION.		0.00
01961	GCO 5439B	01 FEB 1987	8.20	???????? VULCAN WAY AND UNNAMED		0.00

SCHEDULE II

BC HYDRO AND POWER AUTHORITY MAINLAND GAS DIVISION GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
02103	GCO 38578	18 JULY 1967		LICENCE BETWEEN CNR AND TPL INDUSTRIES, BURNABY. INSTALLATION OF UNDERGROUND GAS MAIN BY BC HYDRO.		0.00
02178	GCO 88478	01 AUG 1967	1.41	4" STEWART AND ROGERS ST., VANCOUVER. BURRARD HARBOUR SUBDIVISION.	005200	8.00
02522	GK 4018	01 JULY 1968	0.11	3" H.P. CROASIN CHR RIGHT OF WAY AT WILLINGDON AND ROSSER AVE., BURNABY. THORNTON SUBDIVISION.		0.00
02783	GM 4070	01 FEB 1968	8.82	???????? TO SERVE 375 LOW LEVEL ROAD, NORTH VANCOUVER. BURRARD SUBDIVISION.		0.00
03070		01 JAN 1969		GENERAL AGREEMENT. SEE 3070-1		0.00
03070-1				NO FILE.		0.00
03070-2	GCO 90848	10 DEC 1969	0.16	TEMPORARY S-PASS. MILE 0.16 SEYMOUR BRANCH OFF MILE 3.88 THORNTON SUBDIVISION.		0.00
03070-3	GK 4185	01 JAN 1970	0.85	4" CROSSING AT BYRNE ROAD EAST OF HUGH DRIVE, BURNABY. LULU IS. SUBDIVISION.		0.00
03070-4	GK 4217-R1	01 MAR 1970	0.24	3/4" H.P. CROSSING CHR R/R SPUR ON BARROW ST. AT MOUNTAIN HWY., NORTH VANCOUVER. SEYMOUR BRANCH.		0.00
03070-8	GA 4401	01 MAR 1972	8.05	12" ON NO. 8 ROAD AT VULCAN WAY, RICHMOND. LULU IS. BRANCH.		0.00
03070-9	GA 4428	01 MAY 1972	1.23	4" H.P. ON FORESTER AVE. AT BRIDGE ST., DISTR. OF N. VANCOUVER. SEYMOUR BRANCH.		0.00
03070-10	FVM 820	01 MAR 1973	117.85	2" GAS MAIN CROSSING TO SERVICE TIDY STEEL FAB. LTD. AT 12195 MUSQUEAM DR., SURREY. YALE SUBDIVISION.		0.00
03070-12	GA 4700	01 AUG 1973	0.25	???????? 1481 BARROW ST., NORTH VANCOUVER. SEYMOUR BRANCH.		0.00
03070-13	GA 4714	01 DEC 1973	12.24	???????? WESTMINSTER HWY. AND SHELL ROAD, RICHMOND. LULU IS. SUBDIVISION.		0.00
03070-14	GK 4274	03 JULY 1974	1.88	4" H.P. SERVICE CROSSING CHR AT SALSBURY DRIVE ON STEWART ST., VANCOUVER. BURRARD HARBOUR.		0.00
03070-15	GA 4783	01 MAR 1975	2.35	2" T SERVICE, RIVER DRIVE AND 18TH ST., NEW WESTMINSTER. LULU IS. SUBDIVISION.		0.00
03070-16	GA 4830	01 JULY 1975	14.78	???????? SHELL ROAD AND STEVESTON HWY., RICHMOND. LULU IS. SUBDIVISION.		0.00
03070-17	GA 4888	01 MAR 1976	13.25	???????? BLUNDELL ROAD AND SHELL ROAD, RICHMOND. LULU IS. SUBDIVISION.		0.00
03070-18	GA 5000	01 MAR 1977	12.24	???????? WESTMINSTER HWY. AT SHELL ROAD, RICHMOND. LULU IS. SUBDIVISION.		0.00
03070-19	GA 5093	01 JULY 1978	5.45	2" GAS MAIN ON ST. ANDREWS AVE., N. 		0.00
03070-21	GB 5268	23 FEB 1981	1.88	2" GAS MAIN ON 4TH AVE., NEW WESTMINSTER. LULU IS. SUBDIVISION.		0.00

SCHEDULE II

BC HYDRO AND POWER AUTHORITY
MAINLAND GAS DIVISION
GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
03070-23	QB 8420	15 DEC 1982		2" HIGH PRESSURE SERVICE ON LOW LEVEL ROAD WEST OF KENNARD, N. VANCOUVER.		0.00
03070-26	QA 4715	22 MAR 1985	0.35	????????? ORWELL AND BARRON, DISTRICT OF N. VANCOUVER. SEYMOUR BRANCH.		0.00
03070-27	GA5580	27 FEB 1985	6.85	NPS 24 PE AT NO. 8 ROAD AND NATIONAL AVE., RICHMOND. LULU IS. BRANCH.		0.00
03070-030	GCO 7128B	22 MAR 1985		????????? MILE 5.70 NORTH SHORE IND. SUBDIVISION AND MILE 0.20 SEYMOUR BRANCH. REF 158-150 AND 001075.		0.00
03070-025			1.08	PIPE CROSSING TERMINAL AND 10TH ST., NEW WESTMINSTER. LULU IS. BRANCH.		0.00
03070-031	GCO 6233B	22 MAR 1985	2.09	????????? SCOTT PAPER. LULU IS. BRANCH.		0.00
03070-033	QB 5801		4.51	????????? TO SERVE 801 LOW LEVEL ROAD, NORTH VANCOUVER. THORNTON BRANCH.		0.00
03070-34	QA 5641	15 MAY 1986		2" HIGH PRESSURE. FRONT AND 6TH ST., NEW WESTMINSTER.		0.00
03208	OK 4235	01 APR 1970	0.46	GAS PIPELINE CROSSING TO SERVE 300 COLUMBIA ST., NEW WESTMINSTER. LULU IS. BRANCH.	007728	0.00
03384	PLAN 3894	01 SEPT 1970	7.21	ENCROACHMENT WATER PIPELINE AND WATER PUMP ATTACHED TO TILBURY ISLAND FERRY SLIP.		0.00
03824	QA 4412	22 MAR 1972	0.67	1-1/4" SERVICE TO 350 COLUMBIA ST., NEW WESTMINSTER. LULU IS. BRANCH.		0.00
04087	QA 4464	01 DEC 1972	2.16	1-1/4" HIGH PRESSURE - EAST OF WILARD ST. ON SPUR ROAD, BURNABY. LULU IS. BRANCH.	007744	15.00
04210	QA 4491	01 APR 1973	0.50	3/4" HP SERVICE TO 304 COLUMBIA STREET, NEW WESTMINSTER. LULU IS. BRANCH.	007747	15.00
04211	QA 4643	01 APR 1973	0.51	3/4" HP TO SERVE 320 COLUMBIA ST., NEW WESTMINSTER. LULU IS. BRANCH.	007748	15.00
04212	QA 4644	01 APR 1973	0.52	3/4" HP SERVICE TO 330 COLUMBIA ST., NEW WESTMINSTER. LULU IS. BRANCH	007749	15.00
04721	QA 4739	01 JUNE 1974	1.12	4" HP AT VAN HORNE WAY AND OAK ST. BRIDGE, RICHMOND. TUCKS BRANCH.	009117	38.00
05048	QA 4790	01 MAR 1975	9.53	????????? SEAFORTH PLASTICS ON VULCAN WAY, RICHMOND. LULU IS. BRANCH.	009123	15.00
05271	QA 4841	01 AUG 1975	9.44	????????? VULCAN WAY 812' WEST OF VIKING WAY, RICHMOND. LULU IS. BRANCH.	011428	15.00
05937	QB 4985	02 MAY 1977	3.13	24" T MAIN CROSSING ON 2ND NARROWS BRIDGE RIGHT OF WAY. THORNTON BRANCH.	011432	96.00
06355	QA 5090	01 AUG 1978	9.68	PIPE CROSSING. LULU IS. BRANCH.	011438	100.00
06627	QA 5143	01 JUNE 1979	14.21	CROSSING AT MILE 14.21 LULU IS. BRANCH.	011444	25.00
07162	QA 5286	01 JAN 1981	22.19	????????? LULU IS.	019779	25.00
08657	QA 5421		1.11	3/4" H.P. GAS MAIN. TERMINAL AND 10TH ST., NEW WESTMINSTER. LULU IS. BRANCH.		0.00
08861	QA 5455					0.00

SCHEDULE II

BC HYDRO AND POWER AUTHORITY
MAINLAND GAS DIVISION
GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
158-150	GCO 7128B	01 MAY 1988	5.19	REF FILES 03070-030 AND 01075.		0.00
158-119	GK 2875	01 FEB 1987	1.09	CABLE CROSSING - CATHODIC PROTECTION ANODE BED. LULU IS. BRANCH.		0.00
158-394 08959	GCO 8422C		5.85	????????? TILBURY BRANCH.		0.00
			74.80	4" GAS PIPE CROSSING AT MILE 74.8 YALE SUBDIVISION.		0.00
	QA 8236 R2	29 SEPT 1980	5.85	????????????? THORNTON SUBDIVISION.		0.00
	QA 5881		4.12	????????? TO SERVE THORN ST. WEST OF WIGGINS AVE., BURNABY.		0.00

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SCHEDULE II

SEWERAGE AND POWER AUTHORITY FRASER VALLEY GAS DIVISION CANADIAN NATIONAL RAIL CROSSINGS

AGREEMENT NUMBER	WELL POINT	LOCATION	SEE MAP OR DRAWING #	R/W IN 2.1	ANNUAL CARRIED RENTAL	201
11346	40.00	5TH AVENUE, HOPE	FV105 CRIS. GRID 1820, 1821	R/A	4"	
MR 227	40.42	3RD AVENUE, HOPE	FV 501 1864 1820	R/A	4"	
MR 2052	50.0	CHEAM INDIAN RESERVE NO. 1 EAST OF BUSTIN ROAD	AS 2122 2171-C 1106-D, D. 1	R/W	1 1/4"	25.00 19802
11354	54.5	VALE ROAD EAST, ROSEDALE	FV 422 2444 1106-D	R/W	2"	25.00/6.00 001431
MR 1044	54.95	MCGRATH ROAD, CHILLIWACK	FVM 1222 2720 1106-C	R/A	2"	
11759	57.25	UPPER PRAIRIE, CHILLIWACK	FV 252 CRIS. GRID 1079-2	R/A	4"	
11759	59.25	GIBSON ROAD, CHILLIWACK	FV 251 CRIS. GRID 1079-1	R/A	4"	
MR 807	70.20	PIRETT ROAD, CHILLIWACK	FVM 225 1315 1061-1-4	R/W	1 1/4"	25.00/6.00 001022
11295		B.C.E.R. R/W CHILLIWACK	FV 30 1 CRIS. GRID 1044-D-5	R/W	10"	
MR 6552	74.5	LICEMAN ROAD, CHILLIWACK	B 1212 2167-C 1023-D-5	R/A	4"	25.00 011440
MR 2214	87.20	BELL ROAD, MATSQUI	AS 2245 1652 2115-A-2 5-1	R/W	4"	002.000
MR 2222	95.15	RIVERSIDE ROAD, MATSQUI	21222 1551 2115-C, 2075-D 122	R/W	2"	25.00/15.00 007742
MR 2225	95.27	GLADWIN ROAD, MATSQUI (NORTH TRACK WITHIN R/W IS CP EASE)	AS 2255 2691-C 212-A	R/W	2"	25.00 18225
MR 2070-11	99.95	254TH STREET, LANGLEY	21551 21545 20790 47232 202-15	R/A	2"	
11039	102.92	GLOVER CRESCENT, PORT LANGLEY	FV 104 1582-A 754-5	R/A	2"	
1485	102.21	NORTH OF WILSON TOWNLINE, LANGLEY	N-42454.21 770-M	R/W	12"	25.00/24.00 001440
MR 4140	103.42	GREER STREET, PORT LANGLEY (MCDONALD CEDAR)	D1529 4415-C 770-M 5-2	R/W	4"	25.00/15.00 007745
MR 3070-7	104.32	222ND STREET S/O 96TH AVENUE, LANGLEY	FVM 1339 1659-C 754-B	R/A	1 1/4"	
MR 158-167 REPLACED BY MR 9163	104.91	96TH AVENUE, LANGLEY	FVM 1252 1525-C 755-D	R/W	2"	50.00 22051
MR 3070-1 3222	105.92 106.42	216TH STREET, LANGLEY 1022 AVENUE SPUR TO TEXADA, LANGLEY	FVM 1277 1552-C 756-C B 1465 2650-C 727-D-1	R/A R/A	4" 4"	
3070-5 MAIN SENIOR TO TRACKS	106.99	201ST STREET, LANGLEY LANGLEY INDUSTRIAL PARK - LEAD TRACK 96TH AVENUE	B 1451 3203-C 727-D-2 7562-C 514-5	R/A R/A	4" 4"	
MAIN SENIOR TO TRACKS		198TH STREET & 92A AVENUE, LANGLEY INDUSTRIAL PARK	D1673 5241-C 920.017.077.1	R/A	4"	
MAIN SENIOR TO TRACKS		LANGLEY INDUSTRIAL PARK - LEAD TRACK 101ST AVENUE	7675-C 727-C-4	R/A	4"	
MAIN SENIOR TO TRACKS		LANGLEY INDUSTRIAL PARK - LEAD TRACK TELEGRAPH TRAIL	7563-C 727-C-6	R/A	4"	
MR 5720	107.55	TELEGRAPH TRAIL, SURREY PARKER CEDAR EAST OF 192ND STREET	B1597 5537-C 514-5	R/W R/A	4"	25.00/15.00 011425
MR 158-155 A 2587	108.17 108.57 108.5	192ND STREET, SURREY WIND PACIFIC TRAIL FOR PROD. 55A AVENUE, SURREY	FVM 1237 1207-C 920.017.085.2 FVT 1275 1675-C 501-5	R/A R/W	4" 2"	25.00 006490
MR 2460	109.33	GORDON ROAD (199TH STREET), SURREY	21414 1322-C 425-M	R/W	2"	25.00/15.00 007725
MR 22	115.00	PORT MANN X-55159-24 YARDS	410-1	R/W	20"	125.00 001252

(MTP)

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SCHEDULE II

SCHYERO AND POWER AUTHORITY FRASER VALLEY GAS DIVISION CANADIAN NATIONAL RAIL CROSSINGS

AGREEMENT NUMBER	MILE POINT	LOCATION	300. MAP OR DRAWING	R/W OR R/A	ANNUAL CARRIER RENTAL	RPA
NR 2754	115.53	12900 BLOCK 117TH AVENUE YARD OFFICE, PORT HANN	FVN 1281 795-C 410-1. 2	R/W	3.4"	
NR 2177	115.82	WESCO LUMBER CO. 130TH ST. & FRASER RIVER (LEASE PROPERTY)	FVT 1317 2149-C 396-3	L/P	3"	
NR 2152	117.53	GAS SERVICE DONTAR CONSTRUCTION MATERIALS SURREY	FVT 1347 (CANC) A1-2072 CIO 35	R/W	4" 3"	25.00/25.00 006433
NR 5521	117.73	AMIX SALVAGE & SALES. 12301 MUSQUEM DRIVE	A1-2054 3237-C 382-5	R/W	5"	25.00 011447
NR 3104	118.02	ARMON WINES. DALY RD. & 104 AVE. SURREY	A1-2357 206237 486-W 5-2	R/W	4"	23.00 22765
NR 5521	0.10	ANNIS RD S OF YALE RD. AMIX SALVAGE & SALES. 12301 MUSQUEM DRIVE	A1-2476 46-2-1 A1-2054 3237-C 382-5	R/W R/W	1 1.4" 5"	CANCELLED SEE MP117.75 011447
NR 1272	0.17	RITCHIE BROS. MUSQUEM DRIVE	561-C 382-5	R/W	4" & 2"	25.00/10.00 005133
NR 1008	0.52	PACIFIC BRICK & BLOCK	FVN 395 3375 382-5	R/W	3"	25.00/6.00 001335
13173	1.31	TIMBERLINE ROAD. SURREY	FV 535 7516-A 321-1	R/A	5"	
13731	1.30	PARTON ROAD	FV 755 308 368-4	R/A	3"	
13200	1.33	TANNERY ROAD. SURREY	FV 639 7516-A 358-4	R/A	4"	
11906	2.46	MILLER ROAD. SURREY	FV 439 3120-A 367-3	R/W	3"	25.00/8.00 001305
NR 1691	2.31	ROBSON ROAD	FVN 1097 195-C	R/A	5"	
NR 3249	3.41	ROBSON ROAD & EASEMENT TO TITAN STEEL & WIRE CO LTD SURREY	FVN 1358 3474-C 367-3	R/W	6"	25.00/15.00 007729
1715-VT-354	3.54	ECNAPA R/W TO 11041 ELEVATOR RD TITAN STEEL & WIRE CO ROBSON	FVT 1248 3225-C 367-3 355-4	R/A	4"	53.00
NR 2548	0.46	MAIN STREET AT SHEAVES ROAD. DELTA	B 1424 3531-C CIO 598-Z 342-4	R/W	4"	25.00/15.00 007723
NR 9279 CANCELS 5.55		TASKER ROAD (80TH STREET)	B 1824 8422-C 313-2	R/W	4"	20.00 15160
NR 3070-032		NORTH OF VANTAGE WAY				
NR 9279 CANCELS 0.15 OFF MIL		VANTAGE WAY AT TASKER ROAD	B 1823 8422-C 313-2	R/A	4"	
NR 3070-032		(80TH STREET)				
NR 5033	5.23	TILBURY ISLAND	GB 8401		24" (MTP) 120" MTP	45.00 009122
NR 5565	5.4	INLAND CEMENT TILBURY ISLAND	B 1558 5059-C 313-1	R/W	12"	25.00/52.00 011429
MAIN SENIOR TO TRACKAGE	6.20	TILBURY ISLAND BOPCOTT ROAD	4915-C 305-4	R/A	5"	
NR 3340	6.20	TILBURY ISLAND DELTA TO LNG PLANT	GX 6781 GB 5095 GD 9090 5335-C	R/W	12" & 6"	41.00 007731
NR 2055	0.75 SPUR	SOUTH SIDE OF RIVER ROAD BETWEEN 63TH STREET & BOPCOTT	9567-C 205-4. 1. 2	R/W	(MTP) 4"	25.00 20552

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DATED _____ 19 _____

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

74280 B.C. LTD.

A G R E E M E N T

OWEN, BIRD,
BARRISTERS AND SOLICITORS,
2800-595 Burrard Street,
VANCOUVER, B.C.
V7X 1J5
(688-0401)

RJA:js File #1166/9

PA-29-2

CONSENT TO ASSIGNMENT OF
PIPE CROSSING AGREEMENTS

CANADIAN NATIONAL RAILWAY COMPANY ("CN") the permittor or licensor under various gas line pipe crossing permits, licenses and agreements whereby British Columbia Hydro and Power Authority ("B.C. Hydro") is permitted to have its gas lines under or upon CN's railway lands and premises at various locations in the Province of British Columbia, HEREBY CONSENTS to the assignment of the permits, licenses or agreements listed on Schedule A hereto and such other gas line pipe crossing permits, licenses or agreements, if any, currently in existence between CN and B.C. Hydro, from B.C. Hydro as assignor to 74280 B.C. Ltd. as assignee, by way of Agreement made as of the 16th day of July 1988 a copy of which is hereto attached as Schedule B.

CN expressly reserves all right in respect of any future assignment and also reserves against B.C. Hydro all CN's rights and privileges to collect any rental, claims and other debts of whatsoever nature accrued under any of the gas line pipe crossing permits, licenses or agreements prior to the date hereof.

DATED at Edmonton, Alberta this 19th day of September 1988

CANADIAN NATIONAL RAILWAY COMPANY


Regional Manager
Real Estate Services



RECEIVABLES - LICENSES

- BRITISH COLUMBIA HYDRO

PURPOSE	LOCATION	SUBDIVISION	MILE	DOCUMENT NUMBER	ANN. RENT	PIN	EXPIRY	TER	PLAN NUMBER
✓ Underground Gas Pipe Crossing(	HOPE, B.C.	YALE	40.050	MR 11346	0.00		YY / /	200	F.V. 105
Underground Gas Pipe Crossing(	MATSQUI, B.C.	YALE	88.150	MR 3992	25.00		YY	200	B1328
Underground Gas Pipe Crossing(	MATSQUI, B.C.	YALE	87.230	MR 8914	IN FULL		YY / /	- 200	A3, 2349
Underground Gas Pipe Crossing(	NEW WESTMINSTER, B.C.	LULU ISLAND	2.550	MR 194	0.00		YY	100	GK-1495
Underground Gas Pipe Crossing(	NEW WESTMINSTER, B.C.	LULU ISLAND	2.230	MR 517	25.00		YY	100	GCO 15868
Underground Gas Pipe Crossing(	NEW WESTMINSTER, B.C.	LULU ISLAND	2.090	3070-31	0.00		YY	100	GCO 62338
Underground Gas Pipe Crossing(	NEW WESTMINSTER, B.C.	LULU ISLAND	0.670	MR 3824	0.00		YY	100	G.A. 4412
Underground Gas Pipe Crossing(	NEW WESTMINSTER, B.C.	LULU ISLAND	0.520	MR 4212	25.00		YY	100	G.A. 4644
Underground Gas Pipe Crossing(	NEW WESTMINSTER, B.C.	LULU ISLAND	0.510	MR 4211	25.00		YY	100	G.A. 4643
Underground Gas Pipe Crossing(	NEW WESTMINSTER, B.C.	LULU ISLAND	0.500	MR 4210	25.00		YY	100	G.A. 4491
Underground Gas Pipe Crossing(	NEW WESTMINSTER, B.C.	LULU ISLAND	2.350	3070-15	0.00		YY / /	100	G.A. 4783
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	3.130	MR 5937	144.00		YY	100	GA-5396
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	5.760	MR 1800	0.00		YY	100	G.C.O. 52283
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	3.680	MR 1032	0.00		YY	100	GCO 3244 B
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	3.680	MR 891	25.00		YY	100	TCO 2808-B
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	3.680	MR 764	0.00		YY	100	GCO 2118 B
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	3.800	MR 740	0.00		YY	100	TCO 4934 B
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	3.500	MR 671	0.00		YY	100	G.C.O. 18408
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	3.680	3070-030	0.00		YY	100	GCO 71268
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	3.680	3070-26	0.00		YY	100	GA 4715
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	5.100	MR 2763	0.00		YY	100	GM 4070
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	4.510	3070-033	0.00		YY / /	100	G.B. 5601
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	3.680	3070-4	0.00		YY / /	100	G.K. 4217
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	3.680	3070-12	0.00		YY / /	100	G.A. 4700
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	4.350	3070-23	0.00		YY / /	100	G.B. 5420
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	5.500	MR 12589	0.00		YY / /	100	5338 A
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	3.680	MR 11579	0.00		YY / /	100	P - 43777 - R 1
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	3.220	MR 11147	0.00		YY / /	100	G. K. 99
Underground Gas Pipe Crossing(	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	5.000	MR 11280	0.00		YY / /	100	Dated 57/02/12
Underground Gas Pipe Crossing(	PAGE, B.C.	YALE	89.270	MR 8325	25.00		YY	200	A3-2095
Underground Gas Pipe Crossing(	RICHMOND, B.C.	TUCKS BRANCH	0.950	MR 10728	36.00		YY / /	100	X - 43346
Underground Gas Pipe Crossing(	RICHMOND, B.C.	STEVESTON BRANCH	11.250	MR 11249	25.00		YY	100	G.K. 127
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	9.330	MR 13599	25.00		YY	100	GCO 5624 B
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	9.240	MR 12901	25.00		YY	100	GCO 5634B
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	8.880	MR 13549	25.00		YY	100	GCO 5634B
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	17.060	MR 1328	25.00		YY	100	GCO 3993B
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	9.140	MR 1022	25.00		YY	100	GK-2027
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	9.190	MR 1839	25.00		YY	100	GK-2874

PURPOSE	LOCATION	SUBDIVISION	MILE	DOCUMENT NUMBER	ANN. RENT	FIN	EXPIRY	TER	PLAN	FR
Underground Gas Pipe Crossing(	SURREY, B.C.	BROWNSVILLE SPUR	2.810	MR 1691	0.00		YY	200	FUM 1097	
Underground Gas Pipe Crossing(	SURREY, B.C.	YALE	117.600	MR 1008	25.00		YY	200	F.V.M. 989	
Underground Gas Pipe Crossing(	SURREY, B.C.	BROWNSVILLE SPUR	0.470	MR 1979	25.00		YY	200	GCO661CR1382	
Underground Gas Pipe Crossing(	SURREY, B.C.	YALE	108.200	3070-029	0.00		YY	200	F.V.m1227	
Underground Gas Pipe Crossing(	SURREY, B.C.	YALE	109.890	MR 3460	25.00		YY	200	B1414	
Underground Gas Pipe Crossing(	SURREY, B.C.	YALE	110.380	MR 9104	69.00		YY	200	A3 - 2367	
Underground Gas Pipe Crossing(	SURREY, B.C.	BROWNSVILLE SPUR	1.300	MR 13731	0.00		YY / /	200	F.V 755	
Underground Gas Pipe Crossing(	SURREY, B.C.	BROWNSVILLE SPUR	1.210	MR 13173	0.00		YY / /	200	F.V 638	
Underground Gas Pipe Crossing(	SURREY, B.C.	BROWNSVILLE SPUR	1.330	MR 13200	0.00		YY / /	200	F.V. 639	
Underground Gas Pipe Crossing(	THORNTON YARD, B.C.	YALE	115.020	MR 62	468.00		YY	200	X-65159 R	
Underground Gas Pipe Crossing(	THORNTON YARD, B.C.	YALE	115.580	MR 2754	0.00		YY	200	F.V.m 1281	
Underground Gas Pipe Crossing(	VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	3.680	MR 11510	30.00		YY	100	P-43776-R1	
Underground Gas Pipe Crossing(	VANCOUVER, B.C.	TERMINAL AVENUE (VANCOUVER)	1.640	MR 558	0.00		YY	100	GCO 1761 3	
Underground Gas Pipe Crossing(	VANCOUVER, B.C.	TERMINAL AVENUE (VANCOUVER)	2.030	MR 1448	0.00		YY	100	GK 2396	
Underground Gas Pipe Crossing(	VANCOUVER, B.C.	YALE	130.720	3070-028	0.00		YY	200	G.C.O 7970B	
Underground Gas Pipe Crossing(	VANCOUVER, B.C.	TERMINAL AVENUE (VANCOUVER)	1.980	3070-14	0.00		YY / /	100	G.K. 4274	
Underground Gas Pipe Crossing(	VANCOUVER, B.C.	TERMINAL AVENUE (VANCOUVER)	0.000	MR 12102	0.00		YY / /	100	P.M.E. 4084 A	
Underground Gas Pipe Crossing(	VANCOUVER, B.C.	TERMINAL AVENUE (VANCOUVER)	1.410	MR 2176	25.00		YY / /	100	GCO 6647 B	
Underground Gas Pipe Crossing(	VANCOUVER, B.C.	TERMINAL AVENUE (VANCOUVER)	0.000	MR 11375	0.00		YY / /	100	G.K. 100	
Underground Gas Pipe Crossing(	VANCOUVER, B.C.	TERMINAL AVENUE (VANCOUVER)	0.000	MR 11440	0.00		YY / /	100	GK - 157	
Underground Gas Pipe Crossing(	VANCOUVER, B.C.	YALE	131.790	MR 8422	0.00		YY / /	200	P - 23796	
Underground Gas Pipe Crossing(	VANCOUVER, B.C.	YALE	131.800	MR 9839	0.00		YY / /	200	Dated 55/06/14	
Underground Gas Pipe Crossing(	VANCOUVER, B.C.	TERMINAL AVENUE (VANCOUVER)	0.000	MR 11160	0.00		YY / /	100	G K - 108	
Underground Gas Pipe Crossing(	VARIOUS, B.C.	SEE REMARKS FOR SUB/SPUR	0.000	MR 3070	0.00		YY / /		Various Plans	
Underground Gas Pipe Crossing(	VICTORIA, B.C.	COMICHAN	1.600	MR 7780	0.00		YY / /	100	269 - G.S	
Underground Gas Pipe Crossing(	VICTORIA, B.C.	COMICHAN	1.550	MR 235	0.00		YY / /	100	621	
Underground Gas Pipe Crossing(	WESTLANG, B.C.	YALE	108.570	MR 2887	25.00		YY	200	F.V.T. 1279	
Underground Gas Pipe Crossing(	WESTLANG, B.C.	YALE	106.430	MR 3832	0.00		YY	200	B 1465	
Underground Gas Pipe Crossing(	WESTLANG, B.C.	YALE	107.860	MR 5720	25.00		YY / /	200	B. 1687	
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	6.950	3070-27	0.00		YY	100	GA5580R1	
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	8.200	MR 4697	660.00		YY	100	G.S. - 8169	
Underground Gas Pipe Crossing(	RICHMOND, B.C.	TUCKS BRANCH	1.120	MR 4721	115.00		YY	100	G.A. - 4739	
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	9.440	MR 5271	25.00		YY / /	100	G.A. - 4841	
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	9.730	3070-19	0.00		YY / /	100	G.A. 5091	
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	9.680	MR 6355	144.00		YY / /	100	G.A. 5090	
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	13.250	MR 13650	0.00		YY / /	100	G. K. 981	
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	10.900	MR 11429	0.00		YY / /	100	GK - 140	
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	9.640	MR 11498	0.00		YY / /	100	GK - 177	
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	10.120	MR 11547	0.00		YY / /	100	G.K. 171	
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	10.130	MR 10880	0.00		YY / /	100	GCO 5635 B	
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	10.730	MR 10881	0.00		YY / /	100	G K - 57	
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	10.370	MR 11189	0.00		YY / /	100	G K - 117	
Underground Gas Pipe Crossing(	RICHMOND, B.C.	LULU ISLAND	11.240	MR 11283	0.00		YY / /	100	GK 98	
Underground Gas Pipe Crossing(	ROSEDALE, B.C.	YALE	64.500	MR 12584	25.00		YY / /	200	F.V. 468	
Underground Gas Pipe Crossing(	SURREY, B.C.	BROWNSVILLE SPUR	2.460	MR 11906	25.00		YY / /	200	F.V. 430	

RECEIVABLES - LICENSES

- BRITISH COLUMBIA HYDRO

PURPOSE	LOCATION	SUBDIVISION	MI	DOCUMENT NUMBER	ANN. RENT	PIN	EXPIRY	TER	PLAN NUMBER
Gas Pipeline Crossing and Para	BURNABY, B.C.	LULU ISLAND	3.640	MR 2103	0.00		YY	100	GCO 3857-B
Gas Pipeline Crossing and Para	DELTA, B.C.	TILBURY ISLAND BRANCH	2.600	MR 3548	25.00		YY	200	B - 1424
Gas Pipeline Crossing and Para	FORT LANGLEY, B.C.	YALE	104.810	MR 9163	60.00		YY	200	F.V.M. 1252
Gas Pipeline Crossing and Para	GYPROC, B.C.	YALE	116.650	MR 3177	0.00		YY	200	F.V.T. 1317
Gas Pipeline Crossing and Para	NEW WESTMINSTER, B.C.	LULU ISLAND	0.460	MR 3206	25.00		YY	100	G.K. 4235
Gas Pipeline Crossing and Para	NEW WESTMINSTER, B.C.	LULU ISLAND	0.520	MR 1862	0.00		YY	100	CG050988 &
Gas Pipeline Encroachment(s)	DELTA, B.C.	TILBURY ISLAND BRANCH	6.460	MR 8366	25.00		YY	200	'A'
Gas Pipeline Encroachment(s)	RICHMOND, B.C.	LULU ISLAND	11.400	MR 1325	6.00		YY	100	GCO 3851 B
Gas Pipeline Encroachment(s)	RICHMOND, B.C.	LULU ISLAND	16.230	MR 1137	25.00		YY	100	GCO-3502-B
Gas Pipeline Encroachment(s)	RICHMOND, B.C.	LULU ISLAND	22.190	MR 7162	25.00		YY / /	100	G.A. 5286
Gas Pipeline Encroachment(s)	RICHMOND, B.C.	LULU ISLAND	21.270	MR 8861	IN FULL		YY / /	100	GA 5455
Gas Pipeline on Road Allowance	BURNABY, B.C.	LULU ISLAND	3.290	MR 1962	0.00		YY	100	GCO 60188
Gas Pipeline on Road Allowance	BURNABY, B.C.	SUSSEX BRANCH	0.950	3070-3	0.00		YY / /	100	G.K. 4195
Gas Pipeline on Road Allowance	DELTA, B.C.	TILBURY ISLAND BRANCH	5.770	MR 9279	30.00		YY / /	200	B.1823 & B.1824
Gas Pipeline on Road Allowance	FORT LANGLEY, B.C.	YALE	105.080	3070-1	0.00		YY / /	200	5525.2.21
Gas Pipeline on Road Allowance	GLAN VALLEY, B.C.	YALE	98.960	3070-11	0.00		YY / /	200	B. 1551
Gas Pipeline on Road Allowance	NEW WESTMINSTER, B.C.	LULU ISLAND	1.890	3070-21	0.00		YY / /	100	G.B. 5268
Gas Pipeline on Road Allowance	NEW WESTMINSTER, B.C.	LULU ISLAND	1.080	3070-25	0.00		YY / /	100	G.A. 5417
Gas Pipeline on Road Allowance	NEW WESTMINSTER, B.C.	LULU ISLAND	0.680	3070-34	0.00		YY / /	100	G.A. 5641
Gas Pipeline on Road Allowance	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	3.680	3070-9	0.00		YY / /	100	G.A. 4429
Gas Pipeline on Road Allowance	NORTH VANCOUVER, B.C.	NORTH VANCOUVER (THORNTON BRAN	5.450	3070-18-A	0.00		YY / /	100	G.A. 5093
Gas Pipeline on Road Allowance	RICHMOND, B.C.	LULU ISLAND	8.200	MR 1961	0.00		YY	100	GCO 65398
Gas Pipeline on Road Allowance	RICHMOND, B.C.	LULU ISLAND	9.050	3070-8	0.00		YY / /	100	G.A. 4401
Gas Pipeline on Road Allowance	RICHMOND, B.C.	LULU ISLAND	12.240	3070-13	0.00		YY / /	100	G.A. 4714
Gas Pipeline on Road Allowance	RICHMOND, B.C.	LULU ISLAND	14.780	3070-16	0.00		YY / /	100	G.A. 4830
Gas Pipeline on Road Allowance	RICHMOND, B.C.	LULU ISLAND	13.250	3070-17	0.00		YY / /	100	G.A. 4888
Gas Pipeline on Road Allowance	RICHMOND, B.C.	LULU ISLAND	12.240	3070-18	0.00		YY / /	100	G.A. 5000
Gas Pipeline on Road Allowance	SURREY, B.C.	BROWNSVILLE SPUR	3.410	MR 3249	25.00		YY	200	F.V.M. 1368
Gas Pipeline on Road Allowance	VANCOUVER, B.C.	YALE	130.330	3070-5	0.00		YY / /	200	G.K. 4299
Gas Pipeline on Road Allowance	WESTLANG, B.C.	YALE	106.980	3070-6	0.00		YY / /	200	B.- 1451

P.4.

RECEIVABLES - LICENSES

- BRITISH COLUMBIA HYDRO

PURPOSE	LOCATION	SUBDIVISION	MILE	DOCUMENT NUMBER	ANN. RENT	PIN	EXPIRY	TER	PLAN NUMBER
Underground Gas Pipe Crossing(	(NEAR) GYPROC, B.C.	YALE	117.780	MR 6821	35.00		YY	200	B1592&A12054
✓ Underground Gas Pipe Crossing(	(NEAR) ROSEDALE, B.C.	YALE	63.900	MR 8052	25.00		YY	200	A3-2132
✓ Underground Gas Pipe Crossing(	(NEAR) ROSEDALE, B.C.	YALE	67.350	MR 11758	0.00		YY / /	200	F.V. 362
Underground Gas Pipe Crossing(	BURNABY, B.C.	LULU ISLAND	1.130	MR 868	0.00		YY	100	GCO 2471-B
Underground Gas Pipe Crossing(	BURNABY, B.C.	NORTH VANCOUVER (THORNTON BRAN	0.110	MR 2522	6.00		YY	100	GK 4016
Underground Gas Pipe Crossing(	BURNABY, B.C.	LULU ISLAND	3.160	MR 4087	25.00		YY	100	G.A. - 4464
Underground Gas Pipe Crossing(	BURNABY, B.C.	LULU ISLAND	4.060	MR 11082	0.00		YY / /	100	2059 - X - 43718
Underground Gas Pipe Crossing(	BURNABY, B.C.	LULU ISLAND	70.330	MR 807	25.00		YY	200	F.V.M. 935
✓ Underground Gas Pipe Crossing(	CHILLIWACK, B.C.	YALE	72.140	MR 11395	0.00		YY / /	200	F.V. 90 A
Underground Gas Pipe Crossing(	CHILLIWACK, B.C.	YALE	68.350	MR 11759	0.00		YY / /	200	F.V. 361
✓ Underground Gas Pipe Crossing(	CHILLIWACK, B.C.	YALE	2.660	MR 10568	36.00		YY / /	100	X - 43343
Underground Gas Pipe Crossing(	CONNAUGHT HEIGHTS, B	LULU ISLAND	6.900	MR 3340	60.00		YY	200	G.E. - 6895
Underground Gas Pipe Crossing(	DELTA, B.C.	TILBURY ISLAND BRANCH	6.280	MR 5033	72.00		YY / /	200	G.E. - 3401
Underground Gas Pipe Crossing(	DELTA, B.C.	TILBURY ISLAND BRANCH	6.400	MR 5665	78.00		YY / /	200	B. 1668
Underground Gas Pipe Crossing(	DELTA, B.C.	TILBURY ISLAND BRANCH	103.400	MR 11486	36.00		YY	200	P-43484-R1
Underground Gas Pipe Crossing(	FORT LANGLEY, B.C.	YALE	103.410	MR 4140	25.00		YY	200	D - 1529
Underground Gas Pipe Crossing(	FORT LANGLEY, B.C.	YALE	104.320	3070-7	0.00		YY / /	200	G.C.D. 1095-D.
Underground Gas Pipe Crossing(	FORT LANGLEY, B.C.	YALE	102.980	MR 11339	0.00		YY / /	200	F V - 104
Underground Gas Pipe Crossing(	FORT LANGLEY, B.C.	YALE	117.530	MR 3152	50.00		YY	200	A1-2072
Underground Gas Pipe Crossing(	GYPROC, B.C.	YALE	40.420	MR 227	0.00		YY	200	CNR 590/84
✓ Underground Gas Pipe Crossing(	HOPE, B.C.	YALE							

THIS AGREEMENT made as of the 16th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter referred to as the "Assignor")

OF THE FIRST PART

AND:

74280 B.C. LTD., a company incorporated under
the laws of the Province of British Columbia,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1T3

(hereinafter referred to as the "Assignee")

OF THE SECOND PART

WHEREAS by asset transfer agreement entered into as of July 15, 1988 between the Assignor as vendor and the Assignee as purchaser (the "Asset Transfer Agreement") the Assignor agreed to sell and the Assignee agreed to purchase certain rights, property and assets of the Assignor, including, and without limiting the generality of the foregoing, its Gas Distribution System as defined in the Asset Transfer Agreement;

WHEREAS by various agreements made between the person listed in the Schedule hereto or any of its predecessors in interest (the "Grantor") and the Assignor or any of its predecessors in interest (the "Grantee"), the Grantor granted to the Grantee certain leases, licenses, permits or rights-of-way in respect of the installation, operation, and maintenance of a portion of the Gas Distribution System over the lands of the Grantor (the "Grants");

AND WHEREAS pursuant to the Asset Transfer Agreement the Assignor has agreed to sell to the Assignee and the Assignee has agreed to purchase from the Assignor, inter alia, all the right, title, interest, privilege and advantage of, in and to the Grants and the agreements by which they were granted, including and without limiting the generality of the foregoing, those agreements which are more particularly set forth in the Schedule hereto (the "Agreements").

NOW THIS AGREEMENT WITNESSETH that in consideration of the sum of ONE DOLLAR (\$1.00) and other good and valuable consideration now paid by the Assignee to the Assignor (the receipt whereof the Assignor acknowledges) the Assignor does hereby grant, assign, transfer and set over unto the Assignee, its successors and assigns, the Grants and the Agreements and all the right, title, interest, privilege and advantage thereto, therein and thereof, to have and to hold the same unto and to the use of the Assignee forever subject to the terms, covenants and conditions in the Agreements contained.

AND the Assignee in consideration of the premises, and for itself, its successors and assigns, promises and agrees with the Assignor, and its respective successors and assigns, that it will take the assignment of the Grants subject to all and each of the covenants and conditions therein contained and made and entered into by the Assignor in the Agreements and it will be bound by and keep and observe and perform the same in the same manner and to the same extent as if it had originally been bound by the Agreements of and from the date hereof.


The parties hereto expressly agree that in those instances where the Grants are capable of assignment only with the consent of the Grantor, this assignment shall not take effect until the Grantor has consented thereto.


THIS AGREEMENT shall ensure to the benefit of and be binding upon the parties hereto and their respective successors and assigns.

IN WITNESS WHEREOF the parties hereto have hereunto affixed their corporate seals under the hands of their proper officers in that behalf on the day and year first above-written.

SIGNED, SEALED and DELIVERED)
on behalf of BRITISH COLUMBIA)
HYDRO AND POWER AUTHORITY in)
the presence of:)

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY by its
Attorneys-In-Fact

 *A. MacPherson*)
Name 9 - 1045 HOWE STREET)
VANCOUVER, B.C.)
V6Z 2B1)
Address)
Recpt Sec Secretary)
Occupation)

[Signature])
[Signature])


SIGNED, SEALED and DELIVERED)
on behalf of 74280 B.C. LTD.)
in the presence of:)
B. [Signature])
Name)
470 Burrard St., Van. B.C.)
Address)
Lawyer)
Occupation)

[Signature])
J. P. Sheehan)

SCHEDULE

GRANTOR: Canadian National Railway

AGREEMENTS:

Particulars attached

a

SCHEDULE I

<u>LICENSOR</u>	<u>LEGAL DESCRIPTION</u>	<u>FILE NUMBER</u>
C.N.R. Co. & T.P.L. Industries Ltd.	Lot 155, Group 1, Plan 3077, except Parcel "A" (Ex. Pl. 8786) Parcel "B" R.P. 9170 and Plans 16380, 18016 and 28236, N.W.D.	465-1002.0(X2)

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SCHEDULE II

B.C. HYDRO AND POWER AUTHORITY
MAINLAND GAS
MISCELLANEOUS CROSSING AGREEMENTS
DISCLOSURE SCHEDULE

<u>File Number</u>	<u>Drawing Number</u>	<u>Date of Agreement</u>	<u>Agreement Covers</u>	<u>Certificate</u>
Canadian National Railway		26 Apr 1968	C.N.R. to construct a subway to carry their tracks across and over the Mountain Highway, North Vancouver at mile 5.4 Burrard subdivision.	CTC R-2153
	GA4462	18 Sep 1973	12" HP pipeline across CNR tracks at mile 8.74 Lulu Island branch, Richmond. Casing of Castrol Oils (Canada) Ltd. Private Siding.	CTC R-17270

SCHEDULE II

BC HYDRO AND POWER AUTHORITY
MAINLAND GAS DIVISION
GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
** WITH CANADIAN NATIONAL RAILWAY						
08422	P 23796	01 JAN 1954	131.78	6" LOW PRESSURE GAS MAIN CROSSING CNR TRACKS - STATION STREET AT NORTHERN STREET, VANCOUVER. YALE SUBDIVISION.		0.00
9839		01 SEPT 1955	131.80	2" SEMI-HIGH PRESSURE GAS MAIN UNDER CNR TRACKS AT COTTRELL STREET, VANCOUVER. YALE SUBDIVISION.		0.00
10588	43343	01 JUNE 1956	2.68	PROPOSED 12" GAS MAIN CROSSING CNR RIGHT OF WAY AT MILE 2.68 D.L. 172.	001433	22.00
10728	X 42348	01 SEPT 1956	10.5	PROPOSED 12" GAS MAIN CROSSING CNR R/W AT OAK STREET BRIDGE RIGHT OF WAY, RICHMOND.	001439	24.00
10880	GK 58	01 DEC 1956	10.13	6" HIGH PRESSURE GAS MAIN UNDER CNR AT NO. 8 ROAD, RICHMOND.		0.00
10881	GK 57	01 DEC 1956	10.73	6" H.P. GAS MAIN UNDER CNR AT BRIDGEPORT ROAD, RICHMOND. LULU IS. BRANCH.		0.00
11082	2059	APR 30 1957	4.06	PROPOSED 6" GAS MAIN CROSSING CNR R/W AT WIGGINS STREET, BURNABY. LULU IS. BRANCH.		0.00
11147	GK 99	01 APR 1957	5.02	1-1/4" H.P. GAS SERVICE UNDER CNR TRACKS AT 293' EAST OF SEYMOUR AVE. ON RAILROAD ST., N. VANCOUVER. BURNARD HARBOUR SUBDIVISION.		0.00
11160	GK 108	01 APR 1957		4" H.P. GAS MAIN UNDER CNR SPUR TRACK AT STATION AND SOUTHERN STREETS, VANCOUVER.		0.00
11189	GK 117	01 APR 1957	10.37	2" H.P. GAS MAIN UNDER CNR AT SIMPSON ROAD NORTH OF BRIDGEPORT ROAD, RICHMOND. LULU IS. BRANCH.		0.00
11249	GK 127	01 JUNE 1957	1.25	GAS MAIN EXTENSION UNDER CNR R/W AT GARDEN CITY ROAD BLOCK 3H RANGE 6W, RICHMOND. STEVESTEN BRANCH LULU IS. SUBDIVISION.	001411	14.00
11280		01 MAY 1957	5.0	2" H.P. GAS MAIN UNDER CNR AT MOUNTAIN HWY. AND RAILWAY STREET, DIST. OF N. VANCOUVER. BURNARD HARBOUR YARD.		0.00
11283	GK 98	01 APR 1957	11.24	2" H.P. GAS MAIN UNDER CNR AT CAMBIE STREET, RICHMOND. LULU IS. BRANCH.		0.00
00037	GK 1072	01 MAR 1961	0.87	12" GAS MAIN CROSSING AT WESTMINSTER HIGHWAY EAST OF NO. 9 ROAD, RICHMOND. EVEN BRANCH.		0.00
11375	GK 100	01 MAY 1957		8" H.P. GAS MAIN UNDER CNR AT ROGERS STREET, LEAD TO MHS NO. 3 ELEVATOR, VANCOUVER.		0.00
11429	GK 140	01 JULY 1957	10.90	2" H.P. GAS MAIN UNDER CNR TRACKS AT BIRD ROAD BY SHELL ROAD, RICHMOND. LULU IS. BRANCH.		0.00
11440	GK 157	01 AUG 1957		8" H.P. GAS MAIN UNDER CNR R/W AND CNR		0.00


SCHEDULE II

BC HYDRO AND POWER AUTHORITY MAINLAND GAS DIVISION GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
11498	GK 177		9.64	4" HP GAS MAIN IN NATIONAL AVE. CROSSING UNDER CNR SPUR AT 141' WEPL LOT 3, SEC. 19, BLOCK 5N, RANGE 5W, RICHMOND. LULU IS. BRANCH.		0.00
11547	GK 171		10.12	4" HP GAS MAIN UNDER CNR R/W AT NO. 9 ROAD, RICHMOND. SECTION 19, BLOCK 5N, RANGE 5W. LULU IS. BRANCH.		0.00
12102		01 JUNE 1958		8" GAS LINE UNDER SPUR TRACKS IN THE VICINITY OF COMMERCIAL AND SALSBURY STREETS, VANCOUVER.		0.00
12589	PME 5338A	01 JAN 1959		GAS MAIN CROSSING ST. ANDREWS AVE., N. VANCOUVER.		0.00
12901	GCO 5634B	01 MAY 1959	9.24	GAS MAIN CROSSING AT MILE 9.24 LULU IS. SUBDIVISION.	001435	6.00
13549	GK 958	15 FEB 1960	9.88	2" H.P. GAS SERVICE CROSSING CNR R/W ON VULCAN WAY EAST FROM NO. 8 ROAD, RICHMOND. LULU IS. BRANCH.	001450	6.00
13599	GK 940	01 FEB 1960	9.33	1-1/4" H.P. GAS SERVICE CROSSING ON VULCAN WAY, RICHMOND. LULU IS. BRANCH.	001354	6.00
13850	GK 981	15 APR 1960	13.25	8" GAS MAIN CROSSING AT BLUNDELL AND SHELL ROADS, RICHMOND. LULU IS. BRANCH.		0.00
13714	GK 1015	01 JUNE 1960	12.24	INSTALLATION OF 8" MAIN AT MILE 12.24 LULU ISLAND SUBDIVISION.		0.00
00038	GK 1246	01 MAR 1961		4" GAS MAIN CROSSING AT 6TH AVE., NEW WESTMINSTER.		0.00
00194	GK 1495	01 NOV 1961	2.55	3/4" SERVICE AT 20TH STREET, CPR/CNR RIGHT OF WAY. LULU ISLAND SUBDIVISION.		0.00
00517	GCO 1588B	01 JAN 1963	2.23	3" T.P. GAS PIPELINE UNDER CNR TRACKS. LULU ISLAND SUBDIVISION.	001314	6.00
00544	GN 1748	01 NOV 1963	10.11	PROPOSED ANDOE BED ON CNR RIGHT OF WAY. LULU IS. SUBDIVISION.	001317	10.00
00558	GCO 1761B		1.64	3" GAS MAIN EXTENSION UNDER CNR TRACKS, BURRARD SOUTH.		0.00
00671	GCO 1840B	01 MAY 1963		????????? BURRARD SUBDIVISION.		0.00
00740	GCO 1968B	01 SEPT 1963	5.60	PIPELINE CROSSING. BURRARD SUBDIVISION.		0.00
00740	GA 4682	01 FEB 1966	5.06	TEMPORARY INCREASE IN PRESSURE IN 3" PIPELINE CROSSING. BROOKSBANK AVE. FROM COTTON ROAD. BURRARD SUBDIVISION.		0.00
00868	GCO 2471B	01 DEC 1963	1.13	PIPELINE CROSSING. LULU IS. SUBDIVISION.		0.00
00873	GK 1008	01 JAN 1964	4.83	2" GAS PIPELINE. BURRARD HARBOUR YARD.		0.00
00891	GCO 2806B	15 FEB 1964		1-1/4" TRUNK PRESSURE GAS MAIN PARALLEL TO R/W ON SPICER ST. AT CHARLES ST., N. VANCOUVER. MILE 0.73 TO 0.79 SEYMOUR BRANCH.	001331	3.00
01022	GK 2827	01 JULY 1964	9.14	4" HIGH PRESSURE GAS PIPELINE VULCAN WAY AT NO. 8 ROAD, RICHMOND. LULU IS. SUBDIVISION.	001337	8.00

SCHEDULE II

BC HYDRO AND POWER AUTHORITY MAINLAND GAS DIVISION GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
01032	GCO 3244B		0.81	3" H.P. MAIN RIVERSIDE DRIVE BETWEEN SPICER ST. AND HARBOUR DRIVE, NORTH VANCOUVER. SEYMOUR BRANCH.		0.00
01075	GCO 7126B	01 MAY 1988	5.19	4" H.P. MAIN ON MOUNTAIN HIGHWAY BETWEEN DOMINION AND BARROW STREETS, NORTH VANCOUVER. BURRARD SUBDIVISION.		0.00
01097	GCO 3432B		10.13	4" H.P. MAIN SOUTH FOOT OF NO. 8 ROAD, RICHMOND. LULU IS. SUBDIVISION.		0.00
01137	GCO 3502B	01 NOV 1984	18.23	3" H.P. MAIN TO SERVE DELTA FLOUR MILLS. 001340 LULU IS. SUBDIVISION.		7.00
01212	GCO 3683B		5.99	3" TRUNK PRESSURE ON MAIN ST. AND KEITH AVE., NORTH VANCOUVER. BURRARD SUBDIVISION.		0.00
01274	GCO 3431B	01 APR 1985		1-1/4" GAS SERVICE TO CONCRETE TECHNOLOGY LTD., RICHMOND. MILE 2.18 EVEN BRANCH OFF MILE 5.28 LULU IS. SUBDIVISION.	005178	8.00
01277	GCO 3586B	01 NOV 1984	18.78	2" HIGH PRESSURE CROSSING. LULU IS. SUBDIVISION.		0.00
01290	GK 1063	01 MAR 1985	8.08	?? ?? SEYMOUR ST., NORTH VANCOUVER. BURRARD SUBDIVISION.		0.00
01325	GCO 3851B	01 MAY 1985	11.40	2" HIGH PRESSURE LINE DEAS ISLAND HWY. AND VANGUARD ROAD, RICHMOND. LULU IS. SUBDIVISION.	005184	8.00
01328	GCO 3993B	01 MAY 1985	17.06	3" HIGH PRESSURE LINE RICE MILL RD. EAST OF SIDAWAY ROAD, RICHMOND. LULU IS. SUBDIVISION.	005185	8.00
01448	GK 2396	01 SEPT 1985	2.03	?? ?? PACIFIC ELEVATORS - STEWART ST. NORTH FOOT OF SALSBURY, VANCOUVER. BURRARD SUBDIVISION.		0.00
01599	GK 2634	01 FEB 1986	1.08	1-1/4" GAS PIPELINE CROSSING AT TERMINAL AND TENTH ST., NEW WESTMINSTER. LULU IS. SUBDIVISION.		0.00
01690	GK 2780	01 JUNE 1986	8.95	SERVICE TO MOORE DRY KILN CO. - 190 NO. 8 ROAD, RICHMOND. LULU IS. SUBDIVISION.	005192	8.00
01800	GCO 5228B	01 AUG 1986	7.58	3" H.P. EAST ESPLANADE AVE. WEST OF LONSDALE, NORTH VANCOUVER. BURRARD SUBDIVISION.		0.00
01839	GK 2874	01 NOV 1986	9.19	???????? 1390 VULCAN WAY, RICHMOND. LULU IS. SUBDIVISION.	005195	8.00
01862	GK 2891	01 DEC 1986	0.82	???????? FRONT STREET EAST OF 6TH STREET, NEW WESTMINSTER. 726 FRONT ST. LULU IS. SUBDIVISION.		2.00
01902	GCO 8018B	01 FEB 1987	3.29	???????? SERVICE TO B.A. CHEMICAL. WILLARD ST. AT SPRUCE. BURNABY. LULU IS. SUBDIVISION.		0.00
01981	GCO 5439B	01 FEB 1987	8.20	???????? VULCAN WAY AND UNNAMED ROAD WEST OF NO. 7 ROAD, RICHMOND. LULU		0.00

SCHEDULE II

BC HYDRO AND POWER AUTHORITY MAINLAND GAS DIVISION GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
02103	OCO 38578	18 JULY 1967		LICENCE BETWEEN CNR AND TPL INDUSTRIES. SUMMARY. INSTALLATION OF UNDERGROUND GAS MAIN BY BC HYDRO.		0.00
02176	OCO 88478	01 AUG 1967	1.41	4" STEWART AND ROGERS ST., VANCOUVER. BURRARD HARBOUR SUBDIVISION.	003200	8.00
02522	OK 4816	01 JULY 1968	0.11	3" H.P. CROSSING CNR RIGHT OF WAY AT WILLINGDON AND ROSSER AVE., SUMMARY. THORNTON SUBDIVISION.		0.00
02763	OM 4070	01 FEB 1969	8.82	???????? TO SERVE 375 LOW LEVEL ROAD, NORTH VANCOUVER. BURRARD SUBDIVISION.		0.00
03070		01 JAN 1969		GENERAL AGREEMENT. SEE 3070-1		0.00
03070-1				NO FILE.		0.00
03070-2	OCO 80848	10 DEC 1969	0.18	TEMPORARY B-PASS. MILE 0.18 SEYMOUR BRANCH OFF MILE 3.68 THORNTON SUBDIVISION.		0.00
03070-3	OK 4185	01 JAN 1970	0.93	4" CROSSING AT BYRNE ROAD EAST OF HUGH DRIVE, SUMMARY. LULU IS. SUBDIVISION.		0.00
03070-4	OK 4217-R1	01 MAR 1970	0.24	3/4" H.P. CROSSING CNR R/R SPUR ON BARROW ST. AT MOUNTAIN HWY., NORTH VANCOUVER. SEYMOUR BRANCH.		0.00
03070-8	GA 4401	01 MAR 1972	8.05	12" ON NO. 8 ROAD AT VULCAN WAY, RICHMOND. LULU IS. BRANCH.		0.00
03070-9	GA 4428	01 MAY 1972	1.23	4" H.P. ON FORESTER AVE. AT BRIDGE ST., DISTR. OF N. VANCOUVER. SEYMOUR BRANCH.		0.00
03070-10	FVM 820	01 MAR 1973	117.85	2" GAS MAIN CROSSING TO SERVICE TIDY STEEL FAB. LTD. AT 12195 MUSQUEAM DR., SURREY. YALE SUBDIVISION.		0.00
03070-12	GA 4700	01 AUG 1973	0.25	???????? 1481 BARROW ST., NORTH VANCOUVER. SEYMOUR BRANCH.		0.00
03070-13	GA 4714	01 DEC 1973	12.24	???????? WESTMINSTER HWY. AND SHELL ROAD, RICHMOND. LULU IS. SUBDIVISION.		0.00
03070-14	OK 4274	03 JULY 1974	1.88	4" H.P. SERVICE CROSSING CNR AT SALSBURY DRIVE ON STEWART ST., VANCOUVER. BURRARD HARBOUR.		0.00
03070-15	GA 4783	01 MAR 1975	2.35	2" T SERVICE. RIVER DRIVE AND 18TH ST., NEW WESTMINSTER. LULU IS. SUBDIVISION.		0.00
03070-16	GA 4830	01 JULY 1975	14.78	???????? SHELL ROAD AND STEVESTON HWY., RICHMOND. LULU IS. SUBDIVISION.		0.00
03070-17	GA 4888	01 MAR 1976	13.25	???????? BLUNDILL ROAD AND SHELL ROAD, RICHMOND. LULU IS. SUBDIVISION.		0.00
03070-18	GA 5000	01 MAR 1977	12.24	???????? WESTMINSTER HWY. AT SHELL ROAD, RICHMOND. LULU IS. SUBDIVISION.		0.00
03070-19	GA 5083	01 JULY 1978	5.45	2" GAS MAIN ON ST. ANDREWS AVE., N. VANCOUVER. THORNTON BRANCH.		0.00
03070-21	GB 5288	23 FEB 1981	1.89	2" GAS MAIN ON 4TH AVE., NEW WESTMINSTER. LULU IS. SUBDIVISION.		0.00

SCHEDULE II

BC HYDRO AND POWER AUTHORITY MAINLAND GAS DIVISION GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
03070-23	08 5420	19 DEC 1982		2" HIGH PRESSURE SERVICE ON LOW LEVEL ROAD WEST OF KENNARD, N. VANCOUVER.		0.00
03070-26	GA 4715	22 MAR 1985	0.35	????????? ORWELL AND BARRON, DISTRICT OF N. VANCOUVER. SEYMOUR BRANCH.		0.00
03070-27	GA3380	27 FEB 1985	8.85	MPS 2H PE AT NO. 8 ROAD AND NATIONAL AVE., RICHMOND. LULU IS. BRANCH.		0.00
03070-030	OCO 7128B	22 MAR 1985		????????? MILE 5.70 NORTH SHORE IND. SUBDIVISION AND MILE 0.20 SEYMOUR BRANCH. REF 158-150 AND 001075.		0.00
03070-025			1.08	PIPE CROSSING TERMINAL AND 10TH ST., NEW WESTMINSTER. LULU IS. BRANCH.		0.00
03070-031	OCO 8233B	22 MAR 1985	2.09	????????? SCOTT PAPER. LULU IS. BRANCH.		0.00
03070-033	08 5801		4.31	????????? TO SERVE 801 LOW LEVEL ROAD, NORTH VANCOUVER. THORNTON BRANCH.		0.00
03070-34	GA 5641	15 MAY 1986		2" HIGH PRESSURE. FRONT AND 6TH ST., NEW WESTMINSTER.		0.00
03206	OK 4235	01 APR 1970	0.48	GAS PIPELINE CROSSING TO SERVE 300 COLUMBIA ST., NEW WESTMINSTER. LULU IS. BRANCH.	007728	0.00
03384	PLAN 3894	01 SEPT 1970	7.21	ENCROACHMENT WATER PIPELINE AND WATER PUMP ATTACHED TO TILBURY ISLAND FERRY SLIP.		0.00
03824	GA 4412	22 MAR 1972	0.87	1-1/4" SERVICE TO 350 COLUMBIA ST., NEW WESTMINSTER. LULU IS. BRANCH.		0.00
04087	GA 4464	01 DEC 1972	2.18	1-1/4" HIGH PRESSURE - EAST OF WILARD ST. ON SPUR ROAD, BURNABY. LULU IS. BRANCH.	007744	15.00
04210	GA 4481	01 APR 1973	0.50	3/4" HP SERVICE TO 304 COLUMBIA STREET, NEW WESTMINSTER. LULU IS. BRANCH.	007747	15.00
04211	GA 4643	01 APR 1973	0.51	3/4" HP TO SERVE 320 COLUMBIA ST., NEW WESTMINSTER. LULU IS. BRANCH.	007748	15.00
04212	GA 4644	01 APR 1973	0.52	3/4" HP SERVICE TO 330 COLUMBIA ST., NEW WESTMINSTER. LULU IS. BRANCH	007749	15.00
04721	GA 4739	01 JUNE 1974	1.12	4" HP AT VAN HORNE WAY AND OAK ST. BRIDGE, RICHMOND. TUCKS BRANCH.	008117	38.00
05048	GA 4790	01 MAR 1975	9.53	????????? SEAFORTH PLASTICS ON VULCAN WAY, RICHMOND. LULU IS. BRANCH.	008123	15.00
05271	GA 4841	01 AUG 1975	9.44	????????? VULCAN WAY 812' WEST OF VIKING WAY, RICHMOND. LULU IS. BRANCH.	011426	15.00
05937	08 4985	02 MAY 1977	3.13	24" T MAIN CROSSING ON 2ND NARROWS BRIDGE RIGHT OF WAY. THORNTON BRANCH.	011432	98.00
06355	GA 5090	01 AUG 1978	9.68	PIPE CROSSING. LULU IS. BRANCH.	011438	100.00
06627	GA 5143	01 JUNE 1979	14.21	CROSSING AT MILE 14.21 LULU IS. BRANCH.	011444	25.00
07182	GA 5286	01 JAN 1981	22.19	????????? LULU IS. BRANCH.	019779	25.00
08857	GA 5421		1.11	3/4" H.P. GAS MAIN. TERMINAL AND 10TH ST., NEW WESTMINSTER. LULU IS. BRANCH.		0.00
08861	GA 5455			ST (175) CROSSING AT CNR RIGHT OF WAY AT LAFARGE CEMENT. FOOT OF NO. 9 ROAD.		0.00

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SCHEDULE II

BC HYDRO AND POWER AUTHORITY
MAINLAND GAS DIVISION
GAS MAIN RAIL CROSSING AGREEMENTS

FILE NUMBER	DRAWING NUMBER	DATE OF AGREEMENT	AT MILE NUMBER	AGREEMENT COVERS	AP NUMBER	ANNUAL FEE
158-150	GCO 7128E	01 MAY 1988	8.18	REF FILES 03070-030 AND 01075.		0.00
158-118	GK 2875	01 FEB 1987	1.08	CABLE CROSSING - CATHODIC PROTECTION ANODE BED. LULU IS. BRANCH.		0.00
158-284 08959	GCO 8422C		5.85	????????? TILBURY BRANCH.		0.00
			74.80	4" GAS PIPE CROSSING AT MILE 74.8 YALE SUBDIVISION.		0.00
	GA 5236 R2	28 SEPT 1980	5.85	????????????? THORNTON SUBDIVISION.		0.00
	GA 5881		4.12	????????? TO SERVE THORN ST. WEST OF WIGGINS AVE., BURNABY.		0.00

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SCHEDULE II

STREET AND POWER AUTHORITY
GRAND VALLEY GAS DIVISION
CANADIAN NATIONAL RAIL CROSSINGS

AGREEMENT NUMBER	MILE POINT	LOCATION	SEE MAP OR DRAWING	R/W IN F.T.	ANNUAL CARRIED RENTAL	201
11345	40.05	5TH AVENUE, HOPE	FV101 GRID. GRID 1021-1 1021	R/A	4"	
NR 307	40.42	320 AVENUE, HOPE	FV 501 2254 1029	R/A	4"	
NR 3052	51.5	CHEAM INDIAN RESERVE NO. 1 EAST OF BUSTIN ROAD	AS 3122 2171-C 1105-C. D. A	R/W	1 1/4"	25.00 19502
11354	54.5	VALE ROAD EAST, ROSSDALE	FV 452 2444A 1105-C	R/W	2"	25.00/6.00 201421
NR 1144	54.55	MCGRATH ROAD, CHILLIWACK	FV 1222 2720 1105-C	R/A	2"	
11759	57.05	UPPER PRAIRIE, CHILLIWACK	FV 352 GRID. GRID 1075-2	R/A	4"	
11763	58.05	GIBSON ROAD, CHILLIWACK	FV 251 GRID. GRID 1075-A	R/A	4"	
NR 307	70.00	PREST ROAD, CHILLIWACK	FV 335 1315 1061-1-4	R/W	1 1/4"	25.00 6.00 201222
11205		B.C.E.R. R/W CHILLIWACK	FV 30 1 6215. GRID 1044-2-5	R/W	10"	
NR 3053	74.5	LICEMAN ROAD, CHILLIWACK	B 1021 2157-C 1022-C-5	R/A	4"	25.00 201443
NR 3014	87.21	BELL ROAD, MATSQU	AS 3045 1052 255-1-5 5-1	R/W	4"	25.00
NR 3032	88.15	RIVERSIDE ROAD, MATSQU	B1222 1051 2155-C. 2175-C 322	R/W	2"	25.00 15.00 197732
NR 3025	89.27	BLADWIN ROAD, MATSQU (NORTH TRACK WITHIN R/W IS CP ROAD)	AS 3025 2221-C 312-A	R/W	2"	25.00 19222
NR 3070-11	99.95	254TH STREET, LANGLEY	B1551 31543 3078C 4703C 212-15	R/A	3"	
11035	102.99	GLOVER CRESCENT, FORT LANGLEY	FV 124 2252-A 724-5	R/A	2"	
11455	103.01	NORTH OF WILSON TOWNLINE, LANGLEY	M-47454.21 720-B	R/W	12"	25.00/24.00 201445
NR 4140	103.41	GREEN STREET, FORT LANGLEY (MCDONALD CEDAR)	B1529 4415-C 720-M 5-2	R/W	4"	25.00/15.00 207745
NR 3070-7	104.32	222ND STREET S/O 95TH AVENUE, LANGLEY	FV 1329 1659-C 754-B	R/A	1 1/4"	
NR 159-157 REPLACED BY NR 3163	104.91	95TH AVENUE, LANGLEY	FV 1252 1525-C 755-B	R/W	2"	25.00 22551
NR 3070-1 3222	105.99	215TH STREET, LANGLEY	FV 1277 1552-C 756-C	R/A	4"	
	106.42	1029 AVENUE SPUR TO TEXADA, LANGLEY	B 1455 2650-C 727-B-1	R/A	4"	
3070-5 MAIN SENIOR TO TRACKS	106.99	201ST STREET, LANGLEY LANGLEY INDUSTRIAL PARK - LEAD TRACK 95TH AVENUE	B 1451 3222-C 727-B-2 7562-C 514-5	R/A R/A	4" 4"	
		198TH STREET & 92A AVENUE, LANGLEY INDUSTRIAL PARK	B1579 5241-C 926.517.577.1	R/A	4"	
MAIN SENIOR TO TRACKS		LANGLEY INDUSTRIAL PARK - LEAD 7675-C 727-C-4 TRACK 101ST AVENUE		R/A	4"	
MAIN SENIOR TO TRACKS		LANGLEY INDUSTRIAL PARK - LEAD 7552-C 727-C-6 TRACK TELEGRAPH TRAIL		R/A	4"	
NR 5720	107.95	TELEGRAPH TRAIL, SURREY PARKER CEDAR EAST OF 192ND STREET	B1687 5537-C 514-5	R/W R/A	4"	25.00/15.00 201425
NR 152-153	108.17	192ND STREET, SURREY	FV 1327 1327-C 320.517.205.1	R/A	4"	
NR 2597	108.57 108.5	WIND PATTERNS TRAIL FOR PROD. 32A AVENUE, SURREY	FV 1275 1675-C 501-5	R/W	2"	25.00 225493
NR 2460	109.55	GORDON ROAD 1170TH STREET, SURREY	B1414 2222-C 425-N	R/W	2"	25.00 15.00 207705
NR 55	109.55	PORT HANN X-55152-24 YARDS	412-5	R/W	20"	125.00 201250

SCHEDULE II

STATIONS AND POWER INTERFERENCE
FRASER VALLEY GAS DIVISION
CANADIAN NATIONAL RAIL CROSSINGS

AGREEMENT NUMBER	MILE POINT	LOCATION	COO. MAP OR DRAWING #	B/W OR E/A	ANNUAL CARRIAGE CHARGE	RPA
NR 2754	115.22	12800 BLOCK 117TH AVENUE YARD OFFICE, BORT HANN	FTW 1281 735-C 410-1. 2	B/W	1.4"	
NR 3177	115.22	WESCO LUMBER CO. 130TH ST. & FRASER RIVER (LEASE PROPERTY)	FTW 1217 2149-C 326-3	L/F	3"	
NR 3182	117.53	GAS SERVICE DONTAR CONSTRUCTION MATERIALS SURREY	FTW 1247 1040C1 A1-2072 CIO 25	B/W	4" 5" 25.00/25.00	006433
NR 5831	117.72	ANIX SALVAGE & SALES. 12101 WUSQUEM DRIVE	A1-2054 3237-C 382-5	B/W	5"	25.00 012447
NR 3104	118.72	AUBURN MINES. DALY RD. & 104 AVE. SURREY	A1-2257 006237 455-N 5-3	B/W	4"	53.00 22755
NR 5831	1.11	ANIX SALVAGE & SALES. 12101 WUSQUEM DRIVE	A1-2054 3237-C 382-5	B/W	5"	25.00/10.00 006133
NR 1273	0.47	BUTCHIE BROS. WUSQUEM DRIVE	661-C 382-5	B/W	4" & 2"	25.00/10.00 006133
NR 1808	0.52	PACIFIC BRICK & BLOCK	FTW 325 2272 382-5	B/W	3"	25.00/6.00 001325
12173	1.21	TIMBERLINE ROAD. SURREY	FTW 635 2516-A 321-1	E/A	5"	
12731	1.22	PARTON ROAD	FTW 755 208 369-4	E/A	2"	
12800	1.23	TANNERY ROAD. SURREY	FTW 635 2516-A 368-4	E/A	4"	
11906	2.46	MILLER ROAD. SURREY	FTW 439 2120-A 367-3	B/W	3"	25.00/8.00 001305
NR 1631	2.21	ROBSON ROAD	FTW 1097 185-C	E/A	5"	
NR 3249	3.41	ROBSON ROAD & BASEMENT TO TITAN STEEL & WIRE CO LTD SURREY	FTW 1252 2474-C 367-3	B/W	6"	25.00/15.00 007722
NR 15-VT-254	1.54	ROBSON R/W TO 11041 ELEVATOR RD TITAN STEEL & WIRE CO ROBSON	FTW 1242 2126-C 367-3 368-4	E/A	4"	53.00
NR 2540	0.46	MAIN STREET AT SHEAVES ROAD. DELTA	B 1424 2631-C CIO 508-2 342-4	B/W	4"	25.00/15.00 007722
NR 9273 CANCELS	5.55	TASKER ROAD (90TH STREET)	B 1824 2422-C 313-2	B/W	4"	30.00 15160
NR 3070-032		NORTH OF VANTAGE WAY				
NR 9273 CANCELS	0.16 OFF M/L	VANTAGE WAY AT TASKER ROAD	B 1822 2422-C 313-2	E/A	4"	
NR 3070-032		(90TH STREET)				
NR 5033	6.23	TILBURY ISLAND	GB 8401		24" MTP 45.00 120" MTP	009122
NR 5565	5.4	INLAND CEMENT TILBURY ISLAND	B 1658 2653-C 313-1	B/W	12"	25.00/52.00 011429
MAIN SENIOR TO TRACKAGE	6.30	TILBURY ISLAND HOPCOTT ROAD	4915-C 305-4	E/A	5"	
NR 3340	5.20	TILBURY ISLAND DELTA TO LNG PLANT	GX 6781 GB 5895 GD 9090 5335-C	B/W	12" & 8"	41.00 007721
NR 3365	0.75 SUEP	SOUTH SIDE OF RIVER ROAD BETWEEN 68TH STREET & HOPCOTT	9567-C 305-4. 2. 2	B/W	4"	35.00 22752

[Handwritten signature]

THIS AGREEMENT made as of the 16th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter referred to as the "Assignor")

OF THE FIRST PART

AND:

B.C. GAS INC., a company incorporated under
the laws of the Province of British Columbia,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1T3

(hereinafter referred to as the "Assignee")

OF THE SECOND PART

WHEREAS by asset transfer agreement entered into as of July 15, 1988 between the Assignor as vendor and the Assignee as purchaser (the "Asset Transfer Agreement") the Assignor agreed to sell and the Assignee agreed to purchase certain rights, property and assets of the Assignor, including, and without limiting the generality of the foregoing, its Gas Distribution System (the "Gas Plant") as defined in the Asset Transfer Agreement;

WHEREAS by various agreements made between Her Majesty the Queen in right of the Province of British Columbia, as represented by the Minister of Highways or its representative as listed in the Schedule hereto or any of its predecessors in interest (the "Grantor") and the Assignor or any of its predecessors in interest (the "Grantee"), the Grantor granted to the Grantee certain permissions in respect of the installation, operation, and maintenance of a portion of the Gas Distribution System over certain bridges within the jurisdiction of the Grantor (the "Grants");

AND WHEREAS pursuant to the Asset Transfer Agreement the Assignor has agreed to sell to the Assignee and the Assignee has agreed to purchase from the Assignor, inter alia, all the right, title, interest, privilege and advantage of, in and to the Grants and the agreements by which they were granted, including and without limiting the generality of the foregoing, those agreements which are more particularly set forth in the Schedule hereto (the "Agreements").

NOW THIS AGREEMENT WITNESSETH that in consideration of the sum of ONE DOLLAR (\$1.00) and other good and valuable consideration now paid by the Assignee to the Assignor (the receipt whereof the Assignor acknowledges) the Assignor does hereby grant, assign, transfer and set over unto the Assignee, its successors and assigns, the Grants and the Agreements and all the right, title, interest, privilege and advantage thereto, therein and thereof, to have and to hold the same unto and to the use of the Assignee forever subject to the terms, covenants and conditions in the Agreements contained.

AND the Assignee in consideration of the premises, and for itself, its successors and assigns, promises and agrees with the Assignor, and its respective successors and assigns, that it will take the assignment of the Grants subject to all and each of the covenants and conditions therein contained and made and entered into by the Assignor in the Agreements and it will be bound by and keep and observe and perform the same in the same manner and to the same extent as if it had originally been bound by the Agreements of and from the date hereof.

THIS AGREEMENT shall enure to the benefit of and be binding upon the parties hereto and their respective successors and assigns.

IN WITNESS WHEREOF the parties hereto have hereunto affixed their corporate seals under the hands of their proper officers in that behalf on the day and year first above-written.

SIGNED, SEALED and DELIVERED)
on behalf of BRITISH COLUMBIA)
HYDRO AND POWER AUTHORITY in)
the presence of:)

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY by its
Attorneys-In-Fact



A MacPherson)
Name 1045 HOWE STREET)
VANCOUVER, B.C.)
V6Z 2B1)
Address)

[Signature])
[Signature])

APPROVED
as to substance

Legal Sec. Secretary)
Occupation)

SIGNED, SEALED and DELIVERED)
on behalf of B.C. GAS INC.)
in the presence of:)

J. Watson)
Name)
1762-142 St, Sny, BC)
Address)
Secretary)
Occupation)

[Signature]

AGREEMENTS

Date

Location

September 24, 1958

Second Narrows Bridge

November 24, 1958

Ioco Road Bridge

December 13, 1961

Oak Street Bridge

April 11, 19__

Pattullo Bridge

May 6, 1974

Mission Bridge

May 6, 1974

Knight Street Bridge

Second Narrows Bridge




Land Title Act
Form 2
(Sections 43(a) and 44(a))
Affidavit of Witness


1. Sheila Grace Fox, of 900 - 1045 Howe Street, Vancouver, in British Columbia, make oath and say:

1. I was present and saw this instrument duly signed and excuted by ~~DAVID PHILIP SHIPMAN~~,
HAJIME MAENO, DAMIAN JOSEPH DUNNE, the parties to it, for the purposes named in it.
2. The instrument was executed at Vancouver, B.C.
3. I know the parties, who are 19 years old or more.
4. I am the subscribing witness to the instrument and am 16 years old or more.

Sworn before me at Vancouver,
in British Columbia, this 30th day of)
September, 19 88 .)



A Commissioner for Taking Affidavits
for British Columbia



Sheila G. Fox

DATED: July 16, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

A G R E E M E N T

OWEN, BIRD,
BARRISTERS AND SOLICITORS,
2800-595 Burrard Street,
VANCOUVER, B.C.
V7X 1J5
(688-0401)

RJA:js

File #1166/9

C.P. Rail, lands in Vancouver, Burnaby, Richmond and New Westminster

THIS AGREEMENT made as of the 16th day of July, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter referred to as the "Assignor")

OF THE FIRST PART

AND:

74280 B.C. LTD., a company incorporated under
the laws of the Province of British Columbia,
of 970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1T3

(hereinafter referred to as the "Assignee")

OF THE SECOND PART

WHEREAS by asset transfer agreement entered into as of July 15, 1988 between the Assignor as vendor and the Assignee as purchaser (the "Asset Transfer Agreement") the Assignor agreed to sell and the Assignee agreed to purchase certain rights, property and assets of the Assignor, including, and without limiting the generality of the foregoing, its Gas Distribution System as defined in the Asset Transfer Agreement;

WHEREAS by an agreement made between CP Rail (the "Grantor") and the Assignor (the "Grantee") dated August 12, 1986, the Grantor granted to the Grantee certain rights and interests to maintain and operate the Grantee's electric plant and gas plant (therein collectively called "the Works") upon certain of the Grantor's lands situate in Vancouver, Burnaby, Richmond and New Westminster, British Columbia, subject to the terms and conditions therein contained including the obligation to remove and relocate the Works (the "Agreement");

AND WHEREAS pursuant to the Asset Transfer Agreement the Assignor has agreed to sell to the Assignee and the Assignee has agreed to purchase from the Assignor, inter alia, all the right, title, interest, privilege and advantage of, in and to the Agreement with respect to the gas plant only.

NOW THIS AGREEMENT WITNESSETH that in consideration of the sum of ONE DOLLAR (\$1.00) and other good and valuable consideration now paid by the Assignee to the Assignor (the receipt whereof the Assignor acknowledges) the Assignor does hereby grant, assign transfer and set over unto the Assignee, its successors and assigns, the Agreement as applicable to the gas plant portion of the Works and all the right, title, interest, privilege and advantage thereto, therein and thereof, to have and to hold the same unto and to the use of the Assignee forever subject to the terms, covenants and conditions in the Agreement contained.

AND the Assignee in consideration of the premises, and for itself, its successors and assigns, promises and agrees with the Assignor, and its respective successors and assigns, that it will take the assignment of the Agreement subject to all and each of the covenants and conditions therein contained and made and entered into by the Assignor in the Agreement as applicable to the gas plant portion of the Works and it will be bound by and keep and observe and perform the same in the same manner and to the same extent as if it had originally been bound by the Agreement.

The parties hereto expressly agree that this assignment shall not take effect until the Grantor has consented thereto.

The parties hereto acknowledge that the Agreement remains in full force and effect for the benefit of the Assignor with respect to the electric plant portion of the Works.

THIS AGREEMENT shall ensure to the benefit of and be binding upon the parties hereto and their respective successors and assigns.

IN WITNESS WHEREOF the parties hereto have hereunto affixed their corporate seals under the hands of their proper officers in that behalf on the day and year first above-written.

SIGNED, SEALED and DELIVERED)
on behalf of BRITISH COLUMBIA)
HYDRO AND POWER AUTHORITY in)
the presence of:)

A. MacPherson)
Name - 1045 ROYAL STREET)
VANCOUVER, B.C.)
V6Z 2B1)

Legal Secretary)
Address)
Occupation)

SIGNED, SEALED and DELIVERED)
on behalf of 74280 B.C. LTD.)
in the presence of:)

Burnett)
Name)

910 Burrard St., Van., B. C.)
Address)

Lawyer)
Occupation)

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY by its
Attorneys-In-Fact

[Signature])
[Signature])

[Signature]



DATED _____ 19 _____

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

74280 B.C. LTD.

A G R E E M E N T

OWEN, BIRD,
BARRISTERS AND SOLICITORS,
2800-595 Burrard Street,
VANCOUVER, B.C.
V7X 1J5
(688-0401)

RJA:js

File #1166/9

SHARE PURCHASE ASSUMPTION AGREEMENT

THIS AGREEMENT made as of the 30th day of September, 1988.

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER AUTHORITY,
a crown corporation established pursuant to an
Act of the Province of British Columbia and
continued under the Hydro and Power Authority
Act, R.S.B.C. 1979, Chapter 188, as amended of
970 Burrard Street, in the City of Vancouver,
in the Province of British Columbia, V6Z 1Y3

(hereinafter called "Hydro")

OF THE FIRST PART

AND:

B.C. GAS INC., a body corporate under the laws
of the Province of British Columbia and having
its registered office at 2800-595 Burrard Street,
Vancouver, British Columbia, V7X 1J5

(hereinafter called the "Company")

OF THE SECOND PART

WHEREAS:

A. By an agreement made as of July 20, 1988 between Her Majesty the Queen in Right of the Province of British Columbia, represented by the Minister of Finance and Corporate Relations (therein called the "Vendor"), Inland Natural Gas Co. Ltd. (therein called the "Purchaser") and the parties hereto, as amended, (the "Share Purchase Agreement"), the Vendor agreed to sell and the Purchaser agreed to purchase from the Vendor all of the issued and outstanding shares in the capital of the Company, upon the terms and conditions set out therein;

B. Pursuant to paragraph 2.0 of the Share Purchase Agreement, the Purchaser agreed that the Company shall assume the Assumed Current Liabilities (as defined in paragraph 1.01(h) of the Share Purchase Agreement) of Hydro, as of the Closing Date, upon the terms and conditions contained herein; and

C. For the purposes of this Agreement, all capitalized words used herein shall have the same meaning given to those words as in the Share Purchase Agreement, unless otherwise defined herein.

NOW THEREFORE THIS AGREEMENT WITNESSES that in consideration of the sum of \$1.00 now paid by the Company to Hydro and other good and valuable consideration (the receipt and sufficiency of which is hereby acknowledged), the parties hereby agree as follows:

1. Hydro hereby assigns, transfers and sets over to the Company all of its right, title and interest in and to the Assumed Current Liabilities and the Company hereby agrees to assume, pay or cause to be paid, discharge and perform the Assumed Current Liabilities and each and every covenant, agreement, proviso and condition thereunder, arising from and after the Closing Date, such assignment and assumption to be effective as and from the Closing Date.

2. Up to the Closing Date and apart from obtaining any consents related to assignment, Hydro covenants that it is not in default of its obligations contained in the Assumed Current Liabilities in any material respect and it has complied with and duly observed and performed all its material covenants, obligations and conditions set forth in the Assumed Current Liabilities.

3. As and from the Closing Date, the Company covenants that it shall duly perform, pay and discharge the Assumed Current Liabilities in accordance with the original terms and conditions of such obligations and liabilities, and that it will indemnify and save harmless Hydro from and against any and all actions, claims, demands, loss or damage whatsoever incurred or suffered by Hydro arising from or in any manner connected with the Assumed Current Liabilities after the Closing Date.

4. It is hereby declared to be the intention of the parties that this Agreement shall be construed so as to place the Company in the position of principal obligant or debtor in place and stead of Hydro in respect of the Assumed Current Liabilities as and from the Closing Date.

5. The Company shall, from time to time, at the request of Hydro, execute such contracts and agreements with third parties as Hydro shall require in order that Hydro may be released and discharged from all obligations on its part to be performed under, but only to the extent of, the Assumed Current Liabilities as and from the Closing Date.

6. Each of the parties hereto covenants and agrees to do such reasonable acts and things and execute and deliver such further and other documents and assurances as may be reasonably required to carry out the intent of this Agreement.

7. This Agreement shall enure to the benefit of and be binding upon the parties hereto and their respective successors and permitted assigns.

IN WITNESS WHEREOF the parties have executed this Agreement as of the day and year first above written.

THE COMMON SEAL OF
BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY was
hereunto affixed in the
presence of:


Authorized Signatory

C/S

THE COMMON SEAL OF
B.C. GAS INC. was
hereunto affixed in the
presence of:


Authorized Signatory

C/S

DATED: the 29th day of September, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY

AND:

B.C. GAS INC.

ASSUMPTION AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-H/MG/3-3

File No. 1166/9

THIS AGREEMENT made as of the 29th day of September,
1988.

BETWEEN:

B.C. HYDRO AND POWER AUTHORITY a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro and Power Authority Act, RSBC, 1979, ch. 188, as amended, having an office at 970 Burrard Street, Vancouver, British Columbia

("Hydro")

AND:

B.C. GAS INC. a body corporate under the laws of the Province of British Columbia, having its registered office at 2800 - 595 Burrard Street, Vancouver, British Columbia, V7X 1J5

("B.C. Gas")

WHEREAS:

A. By agreement made as of July 20, 1988 between Her Majesty the Queen in Right of the Province of British Columbia, represented by the Minister of Finance and Corporate Relations (therein called the "Vendor"), Inland Natural Gas Co. Ltd. (therein called the "Purchaser") and the parties hereto, as amended, (the "Share Purchase Agreement"), the Vendor agreed to sell to the Purchaser and the Purchaser agreed to purchase from the Vendor all the issued and outstanding shares in the capital of B.C. Gas, upon the terms and conditions set out therein;

B. Pursuant to paragraph 2.0 of the Share Purchase Agreement, the Vendor agreed to sell to the Purchaser and the Purchaser agreed to purchase from the Vendor, as of the Closing Date, the Assumed Current Assets, on the terms and conditions contained therein;

C. For the purposes of this Agreement, all capitalized words shall have the same meaning given to those words in the Share Purchase Agreement, unless otherwise defined herein.

NOW THEREFORE THIS AGREEMENT WITNESSES that in consideration of the sum of \$1.00 and other good and valuable consideration (the receipt and sufficiency of which is hereby acknowledged), the parties hereby agree as follows:

1. Hydro hereby transfers, sells and assigns to B.C. Gas and B.C. Gas hereby purchases from Hydro, as of the Closing Date, the Assumed Current Assets, for the consideration as set forth in the Share Purchase Agreement.

This Agreement shall enure to the benefit of and be binding upon the parties hereto and their respective successors and assigns.

IN WITNESS WHEREOF the parties hereto have set their hands and seals as of the day and year first above written.

The Common Seal of B.C. HYDRO)
AND POWER AUTHORITY was)
hereunto affixed in the)
presence of:)


Authorized Signatory

The Common Seal of B.C. GAS)
INC. was hereunto affixed in)
the presence of:)


Authorized Signatory

CB-31

SCHEDULE A
ASSUMED CURRENT ASSETS

Account #Description

CURRENT ASSETS

ACCOUNTS RECEIVABLE

105	Employee loans
106	Salary and Wage Advances
108	Employee advances - WCB
109	Employee advances - Income continuance
123	Sundry accounts receivable

MATERIALS & SUPPLIES INVENTORY

240	General supplies
235	NGV Cylinders

PREPAID EXPENSES

763	Service Vehicle Licenses
770	Prepaid insurance

OTHER ASSETS

171	WIP - General work orders
176	Work in process - Rec Gas Operations
261	WIP - Manufacturing tax
700	Unallocated charges suspense
740	Undistributed General Work Orders

CB-32

SCHEDULE B
ASSUMED CURRENT LIABILITIES

<u>Account #</u>	<u>Description</u>
CURRENT LIABILITIES - EMPLOYEE RELATED	
1010	Unpaid wages liability
1011	Accrued salaries
1012	Vacation/Overtime bank liability
1013	Quarter day/vacation bank liability
1015	Accrued wages
1030	Accrued overtime salaries
1043	Gas Irrevocable Short Work Year Leave
1049	CPP - Employer contributions
1050	Current pension - Employer
1051	MSP liability
1052	Workers compensation
1053	EHC liability
1054	Group Insurance Voluntary
1056	Group insurance liability
1058	Short work year leave liability
1059	Vacation and reduced work week leave liability
1064	CPP - Employee contributions
1065	Income continuance liability
1070	Sundry pay deductions
1071	Pension - Employee contributions
1072	Canada savings bonds deductions payable
1076	Employee donation deductions
1077	UIC premiums
1078	Employee rent
1080	OTEU dental plan
1081	SPC dental plan
1082	Voluntary additional income continuance
1085	Executive dental plan
1086	IBEW Gas dental plan
1410	Income tax deductions
CURRENT LIABILITIES - OTHER	
174	Deposits on sundry accounts receivable
1120	CNG Warranty Fund
1157	Compressed natural gas cylinders
1355	Sundry Contractor deposits
1359	Refundable Contributions in Aid

THIS INDENTURE made as of the 16th day of July,
1988 and executed the 29th day of September, 1988.

IN PURSUANCE OF THE LAND TRANSFER FORM ACT, PART 2

BETWEEN:

BRITISH COLUMBIA HYDRO AND POWER
AUTHORITY, of 970 Burrard Street,
in the City of Vancouver, in the
Province of British Columbia,
V6Z 1Y3,

(hereinafter called "the Lessor")

OF THE FIRST PART

AND:

B. C. GAS INC. (FORMERLY KNOWN AS
74280 B. C. LTD.), a body corporate
under the laws of the Province of
British Columbia of PO Box 12503,
23rd Floor, 1066 West Hastings
Street, in the City of Vancouver,
in the Province of British Columbia,
V6E 3G3,

(hereinafter called "the Lessee")

OF THE SECOND PART

WHEREAS:

A. The Lessor is the owner in fee simple of those
lands and premises (the "Lands") more particularly known and
described in Part 1 of the Schedule attached hereto.

B. The Lessee wishes to lease from the Lessor those
portions of the Lands described in Part 2 of the Schedule
hereto (hereinafter called the "Premises").

WITNESSETH that in consideration of the demise herein granted and the covenants and agreements contained herein, the parties agree as follows:

1. In this Agreement:

"Asset Transfer Agreement" shall mean a certain Asset Transfer Agreement dated 15 July 1988 entered in between the Lessor and 74280 B. C. Ltd., as amended by an amending agreement between the parties hereto dated 27 September 1988.

"Premises" shall mean that portion described in the second part of the schedule hereto of the lands described in the first part of the schedule hereto, but shall specifically exclude the Works of the Lessor, (as defined below) whether such works are installed before or after the date of this Agreement.

"Works of the Lessor" shall mean:

- (a) towers and poles with anchors, guy wires, brackets, crossarms, insulators, transformers and their several attachments and one or more lines of wire; and
- (b) one or more underground conduits, whether or not encased by concrete or other protective material, and cables with all necessary attachments and fittings and aboveground or underground transformers and switchgears,

existing, installed or being operated by Hydro or its licensees for the transmission and distribution of electric energy and for communication and aircraft warning purposes.

2. The Lessor hereby demises to the Lessee the Premises, nevertheless reserving unto the Lessor the right at any time to install, construct, maintain or replace any equipment used by the Lessor in its undertaking as an electrical utility on, under or over the Premises so long as such equipment does not unreasonably interfere with the Lessee's use thereof, and in the case of Works of the Lessor constructed after the date hereof, do not increase any hazards associated with the use of the Premises by the Lessee, and excluding from this demise and from the definition of "Premises" the Works of the Lessor from time to time.

TO HOLD unto the Lessee for the term of five (5) years (the "Term") commencing on the 16th day of July, 1988. YIELDING AND PAYING THEREFOR during the Term the rent of One Dollar (\$1.00), receipt of which is hereby acknowledged by the Lessor.

3. The Lessee covenants and agrees with the Lessor:

- (a) To pay to the Lessor additional rent hereby reserved, in manner hereinafter mentioned, without any deduction whatsoever;
- (b) To pay as additional rent, without duplication, all taxes, rates, duties and assessments whatsoever, whether municipal, parliamentary, or otherwise charged upon the Premises and any things or improvements erected, placed, owned or made, in, upon or under or affixed to the Premises by the Lessee, its servants, agents or licensees, or charged upon the Lessor in respect thereof as follows:

- (i) if taxes are levied separately upon the Premises or upon the Lessee's improvements thereon, the Lessee will pay all such taxes. In default of such payment by the Lessee, the Lessor may, after thirty (30) days' prior notice in writing to the Lessee of its intention to do so, pay the same and the amount of every such payment shall be deemed to be rent in arrears and payable by the Lessee to the Lessor forthwith;

- (ii) if such taxes are not levied separately upon the Premises or upon the Lessee's improvements thereon, but are included in the taxes levied upon the Lands of which the Premises are a part, the Lessor may pay such taxes, (which taxes shall, for purposes of this paragraph or Paragraph 3(b)(iii) include any grant in lieu of taxes and customarily paid by the Lessor, but not in duplication of taxes levied against or upon and payable by the Lessee) and upon receipt of the Lessor's invoice therefor, the Lessee shall pay to the Lessor the taxes applicable to the Lessee's improvements together with that portion of the taxes upon the Lands of which the Premises are a part which bears the same proportion to the total taxes as the area of the Premises bears to the total of the Lands;

- (iii) in the event of a dispute between the Lessor and the Lessee as to what portion

of the taxes are payable by the Lessee in
respect of the Premises and/or the
Lessee's improvements, the matter shall
be submitted to and determined by
arbitration pursuant to the Commercial
Arbitration Act, S.B.C. 1986;

- (d) The Lessee will not during the Term assign, transfer, or set over, or otherwise, by any act or deed procure the Premises of the Term hereby granted, to be assigned, transferred, or set over, to any person or persons whomsoever without the consent in writing of the Lessor first had and obtained;
- (e) The Lessee will, at all times during the Term, maintain and repair the Lessee's improvements and will repair, according to notice, reasonable wear and tear and acts of God excepted in all cases, and at the expiration or other sooner determination of the Term, the Lessee will peaceably surrender and yield up unto the Lessor the Premises, in repair and condition at least as good as that in which the Lessee is required to maintain them hereunder;
- (f) The Lessee will not use the Premises or permit them to be used for any purpose other than a muster station for gas utility purposes and a storage area for equipment and materials, parking of employees and company vehicles and all related matters;

- (g) The Lessee will not permit a lien to be acquired against the premises under the "Builders Lien Act" or any amendment thereto;
- (h) The Lessee will not, without the prior written permission of the Lessor, such permission not to be unreasonably withheld, construct, make, place or maintain on the Premises or permit on the Premises, except for those located on the Premises as at the date hereof, any building, trailer, foundation, pavement, excavation, well, pile of material, obstruction, inflammable substance whatsoever or any other structure including fences along the boundaries of the Premises. In determining whether the Lessor is acting reasonably in withholding such permission, the Lessor may, as a condition to any permission granted under this subparagraph, request that the Lessee at its own expense, unless otherwise agreed by the parties, perform all work reasonably required by the Lessor in connection with the Lessee's proposed improvements that are the subject of the permission, in order to protect, or improve the safety of, or accessibility to the Lessor's facilities and operations on the Lands;
- (i) The Lessee will not diminish or substantially add to the ground cover over such of the Works of the Lessor as may be from time to time installed, operated or maintained below the surface of the Premises in accordance with the provisions of Paragraph 2, and, in particular, without in any way limiting the generality of

the foregoing, the Lessee will not excavate the soil to a depth exceeding 45 centimetres or construct open drains or ditches along or across any underground conduit, cable or pipeline which may at any time be installed on the Premises in accordance with the provisions of Paragraph 2;

(j) The Lessee will not do or knowingly permit to be done any act or thing which might, in the opinion of the Lessor, in any way whatsoever interfere with or injure the Works of the Lessor which are in existence at the date of this Agreement, or shall afterwards have been installed in accordance with the provisions of Paragraph 2 of this Agreement, or any part thereof or impair the operating efficiency thereof or create or increase any hazard to persons;

(k) The Lessee:

(i) hereby assumes all risk of injury (including death) to the Lessee and any of its servants, agents and licensees, and all risk of loss or damage to any personal property brought onto the Premises by the Lessee or any of them while the Lessee or such servants, agents, licensees or property are on or going to or from the Premises; and

(ii) hereby indemnifies and agrees to save harmless the Lessor against and from all loss, costs, damages, actions,

proceedings, claims and demands
whatsoever which may be suffered,
incurred, brought or made by reason of or
on account of or arising out of any such
injury or damage as aforesaid, or
anything done or omitted to be done by
the Lessee, its servants, agents or
licensees on or near the Premises;

- (l) The Lessee will at all times in the case of
emergency, allow the Lessor to enter on to the
Premises and cooperate with and follow the
directions of the Lessor;
- (m) The Lessor shall not be responsible for
constructing, maintaining or repairing any
fencing on the Premises, and that in the event
of the Lessee constructing any fence thereon
he will provide sufficient gates to enable the
Lessor's servants, agents, licensees and
vehicles to pass and repass along any
transmission line right of way which crosses
the Premises;
- (n) The Lessee will keep the Premises clear of
noxious weeds during the Term and will comply
with the provisions of the "Weed Control Act"
RSBC 1979, Chapter 432, and all amendments
thereof and all regulations, notices and
requirements thereunder insofar as they apply
to the Premises;
- (o) The Lessee covenants that it will allow
reasonable access by motor vehicle by the
Lessor and any person deriving title from the

Lessor, and its and their servants, agents and contractors, to and from, that certain building upon the Lands of which the Premises form a part, which building is shown on the sketch attached hereto, such access to be confined to that portion of the Premises shown outlined in green on the sketch attached hereto.

4. So long as the Lessee is not in default hereunder, it shall have the right to remove its goods and equipment, trailers and other personal property, together with property transferred under Asset Transfer Agreement whether or not affixed, and upon receiving written approval of the Lessor, which approval will not be unreasonably withheld, the Lessee may replace any or all of same.

4A. (a) The Lessor and the Lessee agree that notwithstanding Paragraph 2 hereof, until the provisions of Part 7 of the Land Title Act, RSBC 1979, Chapter 219, as amended, have been complied with in connection with the creation, definition and lease of the Premises, the demise contained in Paragraph 2 shall be construed as a license only and not as an interest in land. Such license shall be irrevocable during the Term and shall otherwise be upon and subject to all the terms and conditions of this Indenture;

(b) The Lessor covenants and agrees that it will, at the Lessee's request and expense, cooperate with and assist the Lessee in complying with the provisions of Part 7 of the Land Title Act as aforesaid, and in connection therewith will

make or join in such applications, and will execute such further documents, instruments and plans, and will do all such further acts and things, all as the Lessee may reasonably require for the purposes of complying with Part 7 of the Land Title Act as aforesaid, provided however that, notwithstanding the foregoing, the Lessor shall not be required to grant interests in lands, convey or dedicate lands, or do any other act or thing, that has a material adverse effect on its operations or property;

- (c) The Lessor agrees not to transfer, sell, mortgage, charge or otherwise dispose of the Lands or any portion thereof or interest therein except subject to the terms of this Indenture and after giving the transferee, purchaser, mortgagee, chargee or other person express written notice of the rights and interests of the Lessee under this Indenture. In the case of any transfer or sale by the Lessor of the Lands or any part thereof or interest therein, the Lessor shall cause the transferee or purchaser to enter into an agreement with the Lessee to assume and perform the obligations of the Lessor under this Indenture.

5. The Lessor covenants and agrees with the Lessee that, subject to Paragraphs 3(k) and 6 hereof and to the rights reserved to the Lessor in Paragraph 2 hereof, the Lessee, paying the rent hereby reserved, and performing the covenants hereinbefore on its part contained, will and may peaceably possess and enjoy the Premises for the Term, without

any interruption or disturbance from the Lessor, or any other person or persons lawfully claiming by, from, or under it.

6. PROVIDED ALWAYS, and it is expressly agreed, that if the additional rent reserved, or any part thereof, shall be unpaid for fifteen (15) days after receipt of notice by the Lessee from the Lessor or in case of the breach or non-performance of any of the covenants and agreements herein contained on the part of the Lessee shall not be remedied within fifteen (15) days after receipt of notice from the Lessor, or within such reasonable longer period of time after such notice as may be required to remedy the default with the exercise of all due diligence, then and in either of such cases it shall be lawful for the Lessor, at any time thereafter, into and upon the Premises or any part thereof, in the name of the whole, to re-enter, and the same to have again, repossess, and enjoy as of its former estate, anything herein contained to the contrary notwithstanding.

7. PROVIDED ALWAYS and it is hereby agreed by and between the parties hereto that if the Lessee holds over after the expiration or termination of the Term hereby granted and if the Lessor accepts rent, the new tenancy thereby created will be a tenancy from month to month and not a tenancy from year to year, and will be subject to the covenants and conditions contained so far as the same are applicable to a tenancy from month to month, except that the rent payable therefore will be as designated by the Lessor and the Lessee agrees to pay such rent upon demand by the Lessor.

8. IT IS FURTHER UNDERSTOOD that any notice required or desired to be given or in respect of any of the terms of this Lease may be given in writing to the party to whom the same is to be given and delivered as follows:

If given to the Lessor:

British Columbia Hydro
and Power Authority
970 Burrard Street
Vancouver, B. C.
V6Z 1Y3

Attention: The Manager of the Properties Division

or to such other address as the Lessor may from
time direct

If given to the Lessee:

B. C. Gas Inc.
2300 - 1066 West Hastings Street
Vancouver, B. C.
V6E 3G3

Attention: The Secretary

or to such other address as the Lessee may from
time direct

9. If the Lessee is not in default hereunder and if the Lessee delivers to the Lessor no later than 16 July 1992 written notice that the Lessee wishes to negotiate an extension to the Term of this Lease, the Lessor will give reasonable consideration to such request.

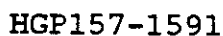
10. THAT IT IS FURTHER AGREED that:

- (a) This Indenture will be binding upon and enure to the benefit of the parties hereto and their respective executors, administrators, successors and assigns;
- (b) Wherever the singular and masculine are used in this Indenture they will be construed as meaning the plural or the feminine or body corporate where the context or the parties hereto so require.

IN WITNESS WHEREOF the parties hereto have caused these presents to be executed as of the day and year first above written.

D. J. E.

Authorized Signatory



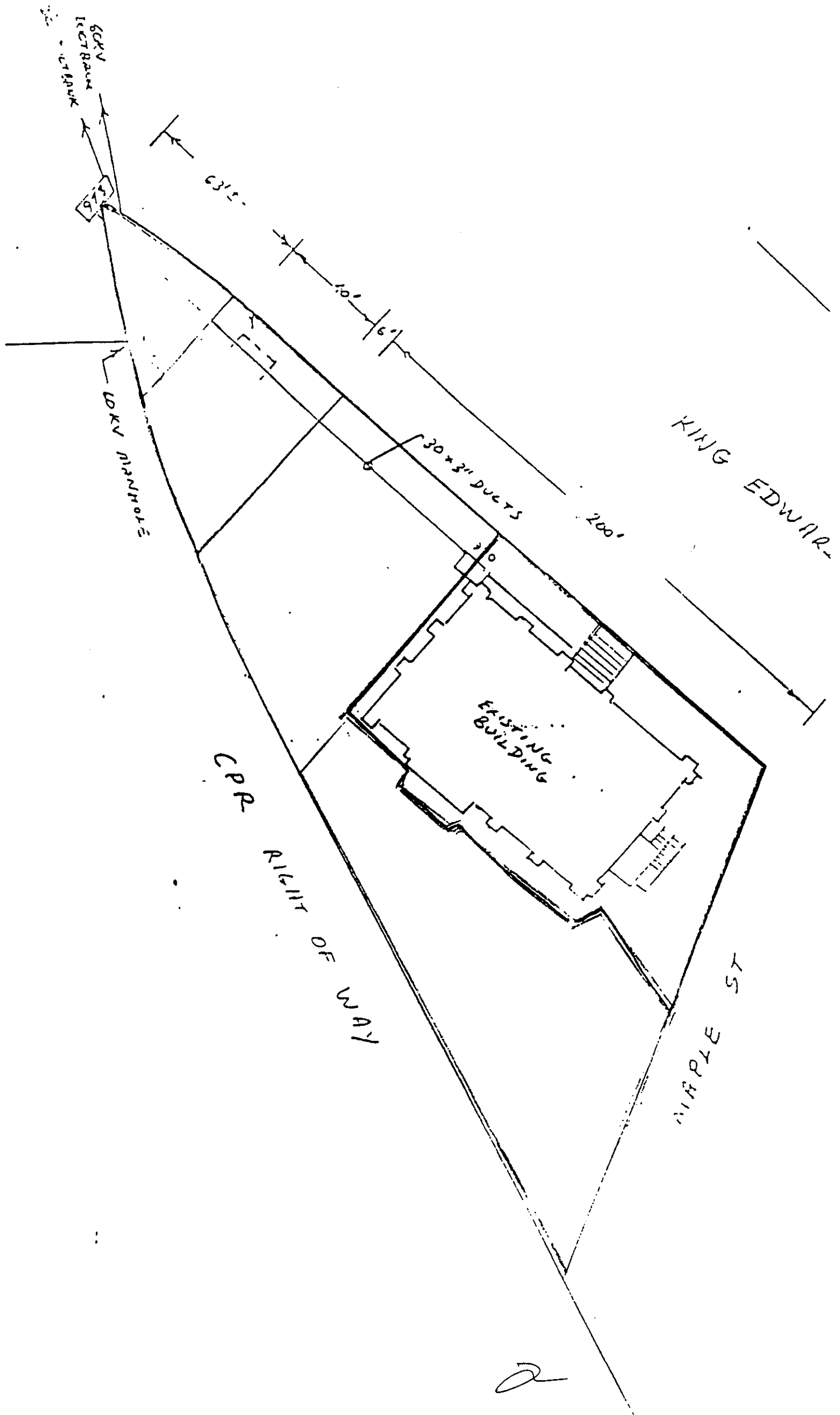
SCHEDULE - FIRST PART

ALL AND SINGULAR that certain parcel or tract of land and premises situate, lying and being in the City of Vancouver, in the Province of British Columbia, and more particularly known and described as:

Block 625 (Explanatory Plan 854), except
part included in Reference Plan 7721,
District Lot 526.

SCHEDULE - SECOND PART

That part of the land described in the first part of this Schedule outlined in red on the sketch attached hereto.



LAND TITLE ACT

Form 4
(Section 45(1)(a))

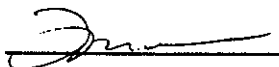
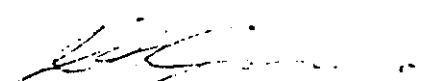
STATUTORY DECLARATION WHERE ATTORNEY IS NOT A
CORPORATION

We, DAVID PHILIP SHIPMAN, HAJIME MAENO, DAMIAN
JOSEPH DUNNE, of 1045 Howe Street, in the City of Vancouver,
in the Province of British Columbia, solemnly declare that:

1. We are the attorneys for BRITISH COLUMBIA HYDRO AND
POWER AUTHORITY under a power of attorney filed under
the "Land Title Act".
2. We are the persons who subscribed the name of BRITISH
COLUMBIA HYDRO AND POWER AUTHORITY and our names in the
instrument as a transferor or signatory.
3. At the time of execution of the instrument the power of
attorney had not been revoked by or on behalf of
BRITISH COLUMBIA HYDRO AND POWER AUTHORITY, that
BRITISH COLUMBIA HYDRO AND POWER AUTHORITY is legally
entitled to hold and dispose of land in British
Columbia, and we had not received any notice or
information of the bankruptcy or dissolution of
BRITISH COLUMBIA HYDRO AND POWER AUTHORITY.
4. We know the contents of the instrument and subscribed
the name of BRITISH COLUMBIA HYDRO AND POWER AUTHORITY
to it voluntarily as the free act of the transferor.

And we make this solemn declaration conscientiously
believing it to be true, and knowing that it is of the same
force and effect as if made under oath.

Declared before me at)
Vancouver, in British Columbia)
this 29th day of)
SEPTEMBER, 19 88)
)
)
)
)
)
† P.J.L. HENSLOWE)
(As to both signatures)

† A Commissioner for Taking Affidavits for British Columbia.

(Sections 43(a) and ~~44(a)~~)

1. I was present and saw this instrument duly signed and executed by ~~DAVID PHILIP SHIPMAN~~.
HAJIME MAENO, DAMIAN JOSEPH DUNNE, the parties to it, for the purposes named in it.

3. I know the parties, who are 19 years old or more.

Sworn before me at Vancouver.
in British Columbia, this 29th day of)
SEPTEMBER, 19 88)

Patricia Lesko
PATRICIA LESKO

DATED _____ 19 _____

BRITISH COLUMBIA HYDRO
AND POWER AUTHORITY

and

B. C. GAS INC.

LEASE

Properties Division
British Columbia Hydro
and Power Authority
900 - 1045 Howe Street
Vancouver, B. C.
V6Z 2B1

PJLH 28 September 1988

PROVINCE OF BRITISH COLUMBIA

P.2

CB-30

ORDER OF THE LIEUTENANT GOVERNOR IN COUNCIL

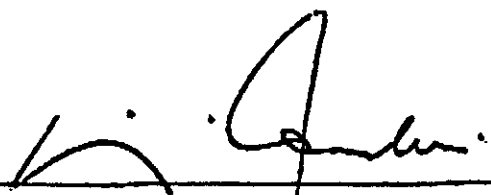
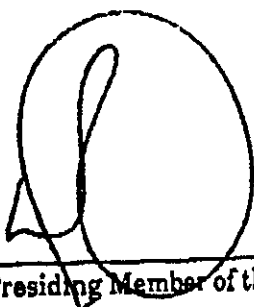
Order in Council No. **1832**, Approved and Ordered SEP. 30. 1988


Lieutenant Governor

Executive Council Chambers, Victoria

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and consent of the Executive Council, orders that after consultation with Treasury Board, approval is given to a person named in column 3 of the Schedule, giving the indemnity that is

- (a) described by reference in column 1 opposite that person's name to the agreement in which the indemnity appears, and
- (b) in the form of indemnity set out in Schedule 2 and identified by item number corresponding to the item number of the agreement.


Minister of Finance and Corporate Relations
Presiding Member of the Executive Council

(This part is for administrative purposes only and is not part of the Order.)

Authority under which Order is made:

Act and section: Financial Administration Act, sections 56 and 59

SCHEDULE 1

LIST OF INDEMNITIES TO BE APPROVED (GAS)

Item	Column 1 Agreement	Column 2 Dated	Column 3 Granted by	Column 4 Paragraph No.
1.	Supplemental Asset Transfer agreement	Sept. 29, 1988	B.C. Hydro	10.0
2.	Real Property Operating Agreement	Sept. 29, 1988	B.C. Gas Inc.	16.01 (b), 20.01 (b) (ii) 26.03
			B.C. Hydro	16.01 (b), 26.04, 26.05
3.	Central Park Corridor Licence	Sept. 29, 1988	B.C. Hydro B.C. Gas Inc.	13.01 10.01 13.01 13.04
4.	Fraser Valley Rail Corridor Licence	Sept. 29, 1988	B.C. Hydro B.C. Gas Inc.	13.01 10.01 13.01 13.04
5.	Lease (Muster Station (x6))	Sept. 29, 1988	B.C. Gas Inc.	3 (k)
5.1	Lockburn Storage Lease	Sept. 29, 1988	B.C. Gas Inc.	3 (k)
6.	Burrard Thermal Interruptible Gas Purchase Agreement	Sept. 29, 1988	B.C. Hydro	12.01
7.	Circuit Agreement	Sept. 29, 1988	B.C. Gas Inc.	7.03
8.	UHF/VHF Agreement	Sept. 29, 1988	B.C. Gas Inc.	3.03
9.	Microwave Agreement	Sept. 29, 1988	B.C. Gas Inc.	7.03

10.	Hydro Services Agreement	Sept. 29, 1988	B.C. Gas Inc.	7.03
11.	Vehicle Services Agreement	Sept. 29, 1988	B.C. Gas Inc.	11.03
	Agreement	Dated	Granted by	Paragraph No.
12.	Vehicle Lease Agreement	Sept. 29, 1988	B.C. Gas Inc.	10.02
13.	Employee Services Agreement	Sept. 29, 1988	B.C. Gas Inc.	7.03
14.	Agreement between Pemberton Securities Inc. and the Province	Sept. 30, 1988	The Province	9.03
15.	Victoria Gas Services Agreement	Sept. 29, 1988	B.C. Hydro	5.03
16.	Burrard Thermal Firm Gas Purchase Agreement	Sept. 29, 1988	B.C. Hydro	10.01
17.	Fort Nelson Firm Gas Purchase Agreement	Sept. 29, 1988	B.C. Hydro	5.01
18.	Assumption Agreement	Sept. 29, 1988	B.C. Gas Inc.	3.0
19.	Agency Agreement among Pemberton Securities, Inland Natural Gas Co. Ltd., B.C. Gas Inc. and the Province	Sept. 30, 1988	Province to Inland and to B.C. Gas Inc.	8.03
20.	Hydro/Inland Regulatory Agreement			

SCHEDULE 2

FORM OF INDEMNITY

SUPPLEMENTAL ASSET TRANSFER AGREEMENT
[Mainland Gas]

"10.0 REGULATORY AND INDEMNITIES

Subject to the Financial Administration Act S.B.C. 1981, c.15, as amended, and the Hydro and Power Authority Act R.S.B.C. 1979, c.188, as amended and the regulations thereunder, Hydro will indemnify the Purchaser from any and all monetary losses or damages suffered by the Purchaser,

- (a) suffered or sustained as a result of a subsequent reduction, for any reason other than at the request of the Purchaser of the rate base of the Purchaser ascertained and declared as of July 16, 1988 by the B.C. Gas Inc. Order of the Lieutenant Governor in Council acting as the British Columbia Utilities Commission under the Privatization Act, by either: (1) the Lieutenant Governor in Council, acting as the British Columbia Utilities Commission pursuant to the Privatization Act, or (2) the British Columbia Utilities Commission;
- (b) suffered or sustained as a result of any change, for any reason other than at the request of the Purchaser, of any term or provision of the B.C. Gas Inc. Order made on September 30, 1988 by the Lieutenant Governor in Council, acting as the British Columbia Utilities Commission, pursuant to the Privatization Act (the "Regulatory Order");
- (c) suffered or sustained as a result of a failure, refusal or other decision by the Lieutenant Governor in Council, not to approve an increase in the rates of the Purchaser where the increase calculated in accordance with reasonable regulatory practice reflected in a new schedule of rates, properly filed pursuant to the provisions of the Regulatory Order;
- (d) suffered or sustained as a result of the Utilities Commission, for any reason whatsoever, determining that any revenue earned prior to October 1, 1991 by the Purchaser, under the Additional Burrard Thermal Payment Agreement between Hydro and the Purchaser made as of the 29th day of September, 1988, should be considered as revenue for any year subsequent thereto."

2

REAL PROPERTY OPERATING AGREEMENT

- (c) 20.01 - for the Gas Company's proportionate share of any grants in lieu of real property taxes made by Hydro.

2

REAL PROPERTY OPERATING AGREEMENT

- (a) 16.01(b) - for all costs and losses associated with the relocating of works of Hydro upon a request by the Gas Company to relocate Hydro's works;

2

REAL PROPERTY OPERATING AGREEMENT

- (b) 26.03 - against injury to or death to persons or loss or damage to property, other than indirect or consequential loss resulting from willful misconduct of Hydro and of those of which Hydro is responsible, or their negligent actions in common right of way areas or for breach of the Real Property Operating Agreement or any common right of way agreement;

2
REAL PROPERTY OPERATING AGREEMENT

- (a) 16.01(b) - for all costs and losses associated with the relocating of works of B.C. Gas Inc. upon a request by Hydro to relocate Gas works;

2

REAL PROPERTY OPERATING AGREEMENT

- (b) 26.04 - against injury to or death to persons or loss or damage to property, other than indirect or consequential loss, resulting from willful misconduct of Hydro and of those for which Hydro is responsible, or their negligent actions in common right of way areas; and

2

REAL PROPERTY OPERATING AGREEMENT

- (c) 26.05 - for claims against B.C. Gas Inc. (arising out of the fact of it being a common owner of a statutory right of way) by third parties alleging nuisance for which Hydro would be liable to the extent of its liability but for Section 51 of the Hydro and Power Authority Act.

3
CENTRAL PARK CORRIDOR LICENCE

- (a) \$10.01 - for all losses and costs relating to builders
liens filed against land owned by Hydro;

3
CENTRAL PARK CORRIDOR LICENCE

- (b) 13.01 - as in 26.03 (RPOA) above by incorporation of the indemnity by express reference thereto in the agreement; and

3
CENTRAL PARK CORRIDOR LICENCE

(c) \$13.04 - for all costs and expenses arising out of
interference by the Gas Company with certain rights of
Hydro.

3
CENTRAL PARK CORRIDOR LICENCE

- (a) 13.01 - as in 26.04 above by incorporation of the indemnity by express reference thereto in the agreement.

3
FRASER VALLEY RAIL CORRIDOR LICENCE

- (a) 13.01 - as in 26.04 (RPOA) above by incorporation of the indemnity by express reference thereto in the agreement.

4

FRASER VALLEY RAIL CORRIDOR LICENCE

- (a) 10.01 - for all losses and costs relating to builders
liens filed against the land owned by Hydro;

4

FRASER VALLEY RAIL CORRIDOR LICENCE

- (b) 13.01 - as in 26.03 (RPOA) above by incorporation of the indemnity by express reference thereto in the agreement; and

4
FRASER VALLEY RAIL CORRIDOR LICENCE

- (c) 13.04 - for all costs and expenses arising out of interference by the Gas Company with certain rights of Hydro.

- 8 -

(k) The Lessee:

- (i) hereby assumes all risk of injury (including death) to the Lessee and any of its servants, agents and licensees, and all risk of loss or damage to any personal property brought onto the Premises by the Lessee or any of them while the Lessee or such servants, agents, licensees or property are on or going to or from the Premises; and
- (ii) hereby indemnifies and agrees to save harmless the Lessor against and from all loss, costs, damages, actions, proceedings, claims and demands whatsoever which may be suffered, incurred, brought or made by reason of or on account of or arising out of any such injury or damage as aforesaid, or anything done or omitted to be done by the Lessee, its servants, agents or licensees on or near the Premises;
- (iii) the Lessee expressly acknowledges the existence of the equipment of the Lessor located at or near the Premises and used by the Lessor in its capacity as an electrical utility and the extremely hazardous nature thereof and the Lessee hereby acknowledges and agrees to the complete release of the Lessor and the full indemnity of the Lessor by the Lessee notwithstanding the existence of

- 9 -

such hazards in every case whether such injury, loss or damage is caused by the negligence of the Lessor or its servants, agents or licensees or otherwise howsoever;

- (l) The Lessee will at all times in the case of emergency, allow the Lessor to enter on to the Premises and cooperate with and follow the directions of the Lessor;
- (m) The Lessor shall not be responsible for constructing, maintaining or repairing any fencing on the Premises, and that in the event of the Lessee constructing any fence thereon he will provide sufficient gates to enable the Lessor's servants, agents, licensees and vehicles to pass and repass along any transmission line right of way which crosses the Premises;
- (n) The Lessee will keep the Premises clear of noxious weeds during the Term and will comply with the provisions of the "Weed Control Act" RSBC 1979, Chapter 432, and all amendments thereof and all regulations, notices and requirements thereunder insofar as they apply to the Premises.

6.

**AMENDED AND RESTATED BURRARD THERMAL
INTERRUPTIBLE GAS PURCHASE AGREEMENT**

12.01 Subject to the Financial Administration Act S.B.C. 1981, c.15, as amended, and the Hydro and Power Authority Act R.S.B.C. 1979, c.188, as amended and the regulations thereunder:

(a) Hydro shall be liable for and shall indemnify and save harmless the Company, its employees and agents, from and against any and all damage, loss, cost and expense which the Company, its employees or agents, may suffer or incur; and

(b) Hydro shall indemnify and save harmless the Company, its employees and agents, from and against all claims, demands, costs, actions and causes of action whatsoever (including assessments by the Workmen's Compensation Board of British Columbia) which may be brought or made against the Company, its employees or agents,

in either case caused by, arising out of, or connected in any way with any of Hydro's equipment or any use thereof or disturbing element caused, permitted or introduced by Hydro or Hydro's equipment, or caused by, arising out of or connected in any way with any action, effect or use of gas after the same shall have been delivered to Hydro.

7.
AMENDED AND RESTATED CIRCUIT AGREEMENT

7.03 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the

AMENDED AND RESTATED VEHICLE LEASE AGREEMENT

10.02 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the Lessee shall indemnify, defend, and hold the Lessor, its agents, officers, and employees harmless of and from any and all losses, damages, claims, demands or liability of any kind or nature whatsoever, including legal expense, arising from the use, condition (including, without limitation, latent and other defects, whether or not discoverable by the Lessor), or operation of the Vehicles, by whomsoever used or operated, during the term hereof; provided that the Lessee shall not be liable for nor indemnify the Lessor for any act by any employee, agent or servant of the Lessor while servicing the Vehicles which results in damages caused to property.

8

AMENDED AND RESTATED UHF/VHF AGREEMENT

3.03 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the Company will at all times indemnify and save harmless Hydro, its employees and agents from and against all claims, demands, losses, costs, damages, actions, suits or other proceedings made, sustained, brought or prosecuted that are based upon, or caused in any way by act or omission by any of the employees or agents of Hydro in connection with the Services performed, purportedly performed or required to be performed by Hydro under this Agreement unless such act or omission was grossly negligent.

9.

AMENDED AND RESTATED MICROWAVE AGREEMENT

7.03 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the Company will at all times indemnify and save harmless Hydro, its employees and agents from and against all claims, demands, losses, costs, damages, actions, suits or other proceedings made, sustained, brought or prosecuted that are based upon, or caused in any way by act or omission by any of the employees or agents of Hydro on or near the Microwave Areas, unless such act or omission was grossly negligent.

10.

AMENDED AND RESTATED HYDRO SERVICES AGREEMENT

7.03 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the Company will at all times indemnify and save harmless Hydro, its employees and agents from and against all claims, demands, losses, costs, damages, actions, suits or other proceedings made, sustained, brought or prosecuted that are based upon, or caused in any way by act or omission by any of the employees or agents of Hydro in connection with the Services performed, purportedly performed or required to be performed by Hydro under this Agreement unless such act or omission was grossly negligent.

11.

AMENDED AND RESTATED VEHICLE SERVICES AGREEMENT

11.03 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the Company will at all times indemnify and save harmless Hydro, its employees and agents from and against all claims, demands, losses, costs, damages, actions, suits or other proceedings made, sustained, brought or prosecuted that are based upon, or caused in any way by act or omission by any of the employees or agents of Hydro in connection with the Services performed, purportedly performed or required to be performed by Hydro under this Agreement unless such act or omission was grossly negligent.

12.

AMENDED AND RESTATED VEHICLE LEASE AGREEMENT

10.02 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the Lessee shall indemnify, defend, and hold the Lessor, its agents, officers, and employees harmless of and from any and all losses, damages, claims, demands or liability of any kind or nature whatsoever, including legal expense, arising from the use, condition (including, without limitation, latent and other defects, whether or not discoverable by the Lessor), or operation of the Vehicles, by whomsoever used or operated, during the term hereof; provided that the Lessee shall not be liable for nor indemnify the Lessor for any act by any employee, agent or servant of the Lessor while servicing the Vehicles which results in damages caused to property.

AMENDED AND RESTATED EMPLOYEE SERVICES AGREEMENT

7.03 Subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, the Company will at all times indemnify and save harmless Hydro, its employees and agents from and against all claims, demands, losses, costs, damages, actions, suits or other proceedings made, sustained, brought or prosecuted that are based upon, or caused in any way by act or omission by any of the employees or agents of Hydro in connection with the Employment Services performed, purportedly performed or required to be performed by Hydro under this Agreement.

**AGENCY AGREEMENT AMONG PEMBERTON SECURITIES,
INLAND NATURAL GAS CO. LTD. AND THE PROVINCE**

8.03 Subject to Section 8.02, the Province shall indemnify and save Inland and B.C. Gas, and each of their respective directors, officers, employees and agents and their heirs and executors, harmless against and from all losses, liabilities, claims, demands, costs, damages and expenses whatsoever to which Inland or B.C. Gas, or any of their respective directors, officers, employees and agents, may suffer or incur, whether under the provisions of any statute or otherwise, in any way caused by or arising directly or indirectly from or in consequence of the offering of the Bonds by the Province through its agent, in any manner other than as described in the Offering Memorandum, or in any manner which is in breach of the terms of this Agreement or resulting from a Misrepresentation and any violation of any Securities Rules or Regulations in any advertising done by the Province with respect to the offering of the Bonds.

VICTORIA GAS SERVICES AGREEMENT

5.03 Subject to the Financial Administration Act S.B.C. 1981, c. 15, as amended, and the Hydro and Power Authority Act R.S.B.C. 1979, c. 188, as amended and the regulations thereunder, Hydro will at all times indemnify and save harmless the Company, its employees and agents from and against all claims, demands, losses, costs, damages, actions, suits or other proceedings made, sustained, brought or prosecuted that are based upon, or caused in any way by act or omission by any of the employees or agents of the Company in connection with the Services performed, purportedly performed or required to be performed by the Company under this Agreement unless such act or omission was grossly negligent.

BURRARD THERMAL FIRM GAS PURCHASE AGREEMENT

10.01 Subject to the Financial Administration Act S.B.C. 1981, c.15, as amended, and the Hydro and Power Authority Act R.S.B.C. 1979, c.188, as amended and the regulations thereunder:

- (a) Hydro shall be liable for and shall indemnify and save harmless the Company, its employees and agents, from and against any and all damage, loss, cost and expense which the Company, its employees or agents, may suffer or incur; and
- (b) Hydro shall indemnify and save harmless the Company, its employees and agents, from and against all claims, demands, costs, actions and causes of action whatsoever (including assessments by the Workmen's Compensation Board of British Columbia) which may be brought or made against the Company, its employees or agents,

in either case caused by, arising out of, or connected in any way with any of Hydro's equipment or any use thereof or disturbing element caused, permitted or introduced by Hydro or Hydro's equipment, or caused by, arising out of or connected in any way with any action, effect or use of gas after the same shall have been delivered to Hydro.

17

FORT NELSON FIRM GAS PURCHASE AGREEMENT

6.01 Subject to the Financial Administration Act S.B.C. 1981, c.15, as amended, and the Hydro and Power Authority Act R.S.B.C. 1979, c.188, as amended and the regulations thereunder:

- (a) Hydro shall be liable for and shall indemnify and save harmless the Company, its employees and agents, from and against any and all damage, loss, cost and expense which the Company, its employees or agents, may suffer or incur; and
- (b) Hydro shall indemnify and save harmless the Company, its employees and agents, from and against all claims, demands, costs, actions and causes of action whatsoever (including assessments by the Workmen's Compensation Board of British Columbia) which may be brought or made against the Company, its employees or agents,

in either case caused by, arising out of, or connected in any way with any of Hydro's equipment or any use thereof or disturbing element caused, permitted or introduced by Hydro or Hydro's equipment, or caused by, arising out of or connected in any way with any action, effect or use of gas after the same shall have been delivered to Hydro.

ASSUMPTION AGREEMENT

3. As and from the Closing Date, the Company covenants that it shall duly perform, pay and discharge the Assumed Liabilities in accordance with the original terms and conditions of such obligations and liabilities, and subject to the Financial Administration Act, S.B.C. 1981, c.15, as amended, and the regulations thereunder, that it will indemnify and save harmless Hydro from and against any and all actions, claims, demands, loss or damage whatsoever incurred or suffered by Hydro arising from or in any manner connected with the Assumed Liabilities after the Closing Date.

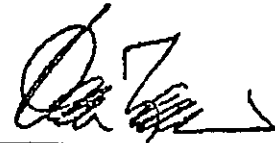
19

MANAGING AGENT AGREEMENT

- 9.03 The Province shall indemnify and save Pemberton, and each of its directors, officers, employees and agents, their heirs and executors, harmless against and from all losses, liabilities, claims, demands, costs, damages and expenses to which Pemberton, or any of its directors, officers, employees and agents, their heirs and executors, may be subject or which Pemberton or any of its directors, officers, employees and agents, their heirs and executors, may suffer or incur, whether under the provisions of any statute or otherwise, in any way caused by or arising directly or indirectly from or in consequence of the offering of the Bonds in the manner described herein and including without limitation any misrepresentation or alleged misrepresentation contained in the Offering Memorandum and Final Prospectus or any amendments thereto, directly or indirectly, excluding any information relating to the affairs of Inland, provided that the indemnification in this 9.03 shall not apply to any losses, claims, damages, liabilities, costs or expenses caused or incurred by reason of or arising out of any negligent statement, act or omission caused solely by Pemberton.

ORDER OF THE LIEUTENANT GOVERNOR IN COUNCIL

Order in Council No. 1830, Approved and Ordered SEP. 30. 1988

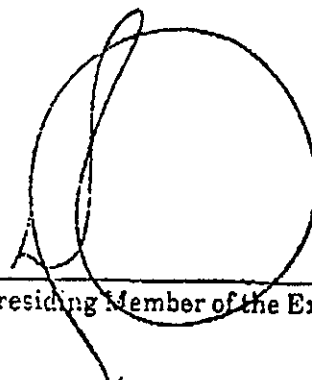


Lieutenant Governor

Executive Council Chambers, Victoria

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and consent of the Executive Council, orders that the attached B.C. Gas Inc. Order is made.

Minister of Energy, Mines and Petroleum
Resources



Presiding Member of the Executive Council

(This part is for administrative purposes only and is not part of the Order.)

Authority under which Order is made:

and section:- Utilities Commission Act, sections 45, 46, 62, 63 and 67.....
or (specify):- Hydro and Power Authority Privatization Act, section 18.....

B.C. GAS INC. ORDER

Interpretation

1. In this order
"Act" means the *Utilities Commission Act*;
"B.C. Gas" means B.C. Gas Inc.;
"minister" means the Minister of Energy, Mines and Petroleum Resources.

Rate Base

2. For the setting of rates and for all other purposes under the *Utilities Commission Act*, the appraised value of the plant in service ("rate base") of B.C. Gas Inc. as of July 16, 1988 has been ascertained as, and is declared by this order, to be \$582 892 000.

Allocation of rate base

3. The \$582 892 000 rate base of B.C. Gas, as of July 16, 1988, shall be allocated to its asset accounts as set out in Schedule 1.

Depreciation rates

4. Until further order, for all purposes of the Act, the depreciation rates of B.C. Gas
(a) are fixed at the rates set out in Schedule 2, and
(b) for each asset account, shall be applied to the asset value in that account that is set out in Schedule 1.

Accumulated depreciation accounts

5. (1) B.C. Gas shall establish an accumulated depreciation account for each asset account to which depreciation is applied.
(2) The balance in the accumulated depreciation accounts, as of July 16, 1983, shall be the amount of normal depreciation recorded in the accounts of British Columbia Hydro and Power Authority against the plant in service during the period commencing on April 1, 1968 and ending July 15, 1982.

Capital cost allowance

6. (1) B.C. Gas shall establish accounting schedules which identify separately for each class of assets the undepreciated capital cost related to rate base and the undepreciated capital cost related to other than rate base.
(2) For each class of assets, capital cost allowance for which B.C. Gas has a valid claim for income tax purposes, as evidenced in its income tax records from time to time, shall be allocated pro rata, based on the undepreciated capital cost immediately prior to the claim of capital cost allowance, between the undepreciated capital cost which is related to rate base and the undepreciated capital cost which is related to other than rate base.

Notice requirements

7. (1) Until the end of September, 1991, B.C. Gas shall promptly notify the Lieutenant Governor in Council by delivering written notice to the minister of any changes in:

- (a) natural gas commodity purchase prices,
- (b) the tolls, approved by the National Energy Board, of Westcoast Energy Inc. and of Alberta Natural Gas Company Ltd.,
- (c) the amounts payable by B.C. Gas to Washington Water Power Company for costs reasonably incurred that are associated with the Jackson Prairie storage facility or to others, approved by the Lieutenant Governor in Council in advance of incurring the costs, for costs reasonably incurred that are associated with other natural gas storage facilities,
- (d) the amounts payable by B.C. Gas to Westcoast Energy Inc. arising from:
 - (i) changes in contract demand that are caused other than by variations in number of customers or in customer consumption of natural gas and that are the result of
 - (A) changes in the deliverability, or capacity of natural gas storage facilities that are available to B.C. Gas, or
 - (B) the movement of customers from a sales contract basis to a service contract basis and vice versa, or
 - (ii) changed usage by B.C. Gas of interruptible natural gas that is caused other than by variations in number of customers or in customer consumption of natural gas,
- (e) the rate of, or method of calculating, any real property taxes payable by B.C. Gas to competent taxing authorities,
- (f) the rate of any tax payable by B.C. Gas under section 407 of the *Municipal Act* or section 395 of the *Vancouver Charter*,
- (g) the rate of any municipal franchise fees payable by B.C. Gas, and
- (h) the rate of federal and Provincial income tax (including surcharges) applicable to utility operations.

(2) Until October 1, 1991, B.C. Gas shall notify the Lieutenant Governor in Council monthly by delivering written notice to the minister of any changes in the weighted monthly average rate of interest payable by B.C. Gas on debt for a term of less than one year that is associated with utility operations.

(3) Until October 1, 1991, B.C. Gas shall promptly notify the Lieutenant Governor in Council by delivering written notice to the minister of any payment by the company of fees, levies and other charges as recovery of expenses of the government or of the British Columbia Utilities Commission arising out of the administration of the Act (as described in section 140 (1.1) of the Act).

Deferral accounts

8. B.C. Gas shall establish, and until the end of September, 1991, maintain, deferral accounts that record and reflect:

- (a) the changes described in section 7 (1) (a) to (g), and the impact on B.C. Gas of those changes,

- (b) the fees, levies and charges described in section 7 (3) that are paid by B.C. Gas, and the impact on B.C. Gas of those changes,
- (c) the extent to which the federal and Provincial income tax expense (including surcharges) associated with utility operations that is actually incurred by B.C. Gas differs from that which it would have incurred if the average annual federal and Provincial income tax rates, (including surcharges) in each of the years 1988, 1989, 1990 and 1991 were those set out below:

<u>Year</u>	<u>Federal</u>	<u>Provincial</u>	<u>Total</u>
1988	28.0%	14.0%	42.0%
1989	28.0%	14.0%	42.0%
1990	28.0%	14.0%	42.0%
1991	28.0%	14.0%	42.0%

- (d) the extent to which the interest expense of B.C. Gas, determined on a month to month basis, on debt having a term of less than one year which debt is associated with the utility operations of B.C. Gas, differs from the expense that would result from a base short term interest rate of 10.2% applied to the lesser of
- the actual debt of B.C. Gas having a term of less than one year, or
 - 12% of the rate base of B.C. Gas,
- (e) the difference between
- B.C. Gas' revenue from customers receiving interruptible transportation service pursuant to rate schedule 2008 determined as if the per gigajoule revenue from those customers equalled the per gigajoule revenue from customers receiving on July 18, 1988 transportation service pursuant to rate schedule 2008, and
 - the revenue B.C. Gas would have received from those customers (net of the natural gas commodity purchase price and the commodity tolls of Westcoast Energy Inc. associated with gas service to those customers) if those customers had received interruptible gas sales service at the rate schedule 2501, and
- (f) the difference between
- the level of interruptible revenue credits actually received from Westcoast Energy Inc. (other than those associated with interruptible gas supplied for use by British Columbia Hydro and Power Authority at its Burrard Thermal electrical energy generating station), and
 - the level of such interruptible revenue credits reflected in the rates of B.C. Gas.

Application of certain deferrals

8. B.C. Gas shall, effective at the end of September in 1989, 1990 and 1991, or more frequently as directed by the minister, apply the deferral account balance established under section 8 (f) against the deferral account balance established under section 8 (c).

Rate schedules

10. (1) B.C. Gas shall, at least annually or more frequently as directed by the minister in each of 1989, 1990 and 1991, file a new schedule of rates under the Act.

(2) Each rate schedule B.C. Gas files under the Act before the end of September, 1991, shall reflect an amortization over 12 months of the aggregate amount recorded in the deferral accounts required by section 8 (a) to (d).

(3) The last schedule of rates filed under the Act by B.C. Gas before the end of September, 1991, shall reflect the rates of B.C. Gas that are, subject to the Act, to be effective at the end of September, 1991.

Limitation on expenses

11. (1) During the period until the end of September, 1991, no changes in the expenses of B.C. Gas other than those described in section 7 shall be reflected in the rates of B.C. Gas.

(2) B.C. Gas shall file with the Lieutenant Governor in Council, in care of the minister, the capital budgets of B.C. Gas and the information the Lieutenant Governor in Council requires to monitor compliance with this order.

SCHEDULE 1

(Sections 3 and 4)

E.C. GAS INC.

ALLOCATION OF RATE BASE TO ASSET ACCOUNTS

(thousands of dollars)

	Rate Base As of July 16, 1988 \$
Land and land rights	24 781
Buildings and site improvements - metro and S.V. - gate stations - LNG control	9 850 436 1 457
Mains	351 126
Services	128 843
Meters	23 178
Measuring & regulating equipment	11 631
LNG holders & storage equipment	16 315
Equipment - office - transportation - shop - instrument shop & lab - tools & work - radio communication - gas supervisory system - telephone & line break - computers (p.c.'s) - computers (mapping) - other	732 34 98 82 2 899 120 933 208 30 149 191
Assets held - for resale - for future use	31 10
Unfinished construction	8 228(1)
Computer software	2 038
	<u>582 699</u>

(1) Includes completed work not closed to specific plant accounts.

SCHEDULE 2

(Section 4)

B.C. GAS INC.**SCHEDULE OF DEPRECIATION RATES**

	Rate %
Distribution Plant	
Mains	2.00
Measuring and Regulating Equipment	3.00
Meters	3.00
Services	2.90
Production Plant	
Miscellaneous Plant Equipment	3.00
Petroleum Gas Equipment	2.00
Storage Plant	
LNG Plant	4.00
Other Plant	
Equipment	4.00
High Pressure Storage Tanks	2.00
Contributions	
Contributions in Aid of Construction (amortization rate)	2.00
Special Assets	
Computer Equipment	
LNG Computer Equipment	20.00
Computer Equipment - Miscellaneous	20.00
Micro-Computer Systems	12.52
Computer Assisted Mapping System	22.88
General Assets	
Buildings	
Frame or Sheet Steel	3.00
Masonry	1.50
Capital Spare Equipment	10.00
Communication Equipment	
Gas Supervisory System	10.00
Microwave	5.00
Radio	10.00
Telephone	5.00
Intangible Plant	
Franchise and Consents	1.00
Miscellaneous	1.00
Organization	1.00
Land and Land Rights	ND
Miscellaneous Equipment	5.00
Office Furniture and Equipment	5.00
Patterns, Dies, Moulds	10.00
Roads, Trails and Small Bridges	2.50
Stores, Shop and Laboratory Equipment	5.00
Tools and Work Equipment	
Engineering Services	15.00
General	5.00
Transportation Equipment	
Special Work Equipment	5.50
Trailers	10.00

ORDER OF THE LIEUTENANT GOVERNOR IN COUNCIL

CB-48-1

Order in Council No. 1818, Approved and Ordered SEP. 30. 1988


 Lieutenant Governor

Executive Council Chambers, Victoria

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and consent of the Executive Council, orders that

1. Inland Natural Gas Co. Ltd. is designated for the purpose of section 31 (1) (a) of the *Hydro and Power Authority Privatization Act*.

2. Approval is given to the disposition to Inland Natural Gas Co. Ltd. of all of the shares owned by the government in B.C. Gas Inc. on the terms and conditions contained in

(a) the "Share Purchase Agreement [Mainland Gas]" made as of the 20th day of July, 1988 between Her Majesty the Queen in Right of the Province of British Columbia, Inland Natural Gas Co. Ltd., British Columbia Hydro and Power Authority, and 74280 B.C. Ltd., and

(b) the "Supplemental Share Purchase Agreement [Mainland Gas]" made as of the 29th day of September, 1988 between Her Majesty the Queen in Right of the Province of British Columbia, Inland Natural Gas Co. Ltd., British Columbia Hydro and Power Authority, and 74280 B.C. Ltd.,

both in the form filed in the office of the Deputy Minister of Energy, Mines and Petroleum Resources on September 29, 1988.

Minister of Energy, Mines and Petroleum
Resources

Presiding Member of the Executive Council

(This part is for administrative purposes only and is not part of the Order.)

Under which Order is made:

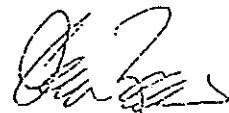
Act and sections: *Hydro and Power Authority Privatization Act*, section 31 (1)(a)

Other (specify):

ORDER OF THE LIEUTENANT GOVERNOR IN COUNCIL

CB-48-2

Order in Council No. 1819 , Approved and Ordered SEP. 30. 1906



Lieutenant Governor

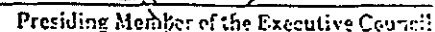
Executive Council Chambers, Victoria

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and consent of the Executive Council, orders

Whereas:

- A. The government and Inland Natural Gas Co. Ltd. ("Inland") have entered into an agreement, in the form attached, respecting shares in B.C. Gas Inc.;
- B. The Lieutenant Governor in Council considers that the agreement protects the public interest respecting the shares;

1. Effective on the date of acquisition by Inland Natural Gas Co. Ltd. of all of the shares owned by the government in B.C. Gas Inc. in a disposition approved under section 31 (1) (a) of the *Hydro and Power Authority Privatization Act*, Inland Natural Gas Co. Ltd. is designated for the purpose of section 38 (2) of the *Hydro and Power Authority Privatization Act*.


Minister of Energy, Mines and Petroleum
Resources
Presiding Member of the Executive Council

(This part is for administrative purposes only and is not part of the Order.)

Authority under which Order is made:

Act and section: *Hydro and Power Authority Privatization Act*, section 38.(3)

Other (specify):

SEP 30 1906

PROVINCE OF BRITISH COLUMBIA

CB-36

ORDER OF THE LIEUTENANT GOVERNOR IN COUNCIL

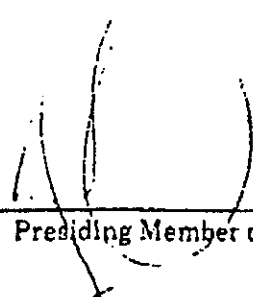
Order in Council No. **1817**, Approved and Ordered SEP. 30.1988
Lieutenant Governor

Executive Council Chambers, Victoria

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and consent of the Executive Council, orders that

- (a) the employees of the authority listed in the Schedule by name and S.I.N. number are identified to be "transferred employees" for the purpose of effecting a transfer under section 24 (2) of the *Hydro and Power Authority Privatization Act* (the Act) to B.C. Gas Inc
- (b) B.C. Gas Inc. is named to be the employer to whom the employees so listed are transferred, and
- (c) the transfer date under section 24 (1) (c) of the Act for the transfer referred to in paragraph (a) is September 30, 1988.

Minister of Energy, Mines and Petroleum
Resources



Presiding Member of the Executive Council

(This part is for administrative purposes only and is not part of the Order.)

Authority under which Order is made:

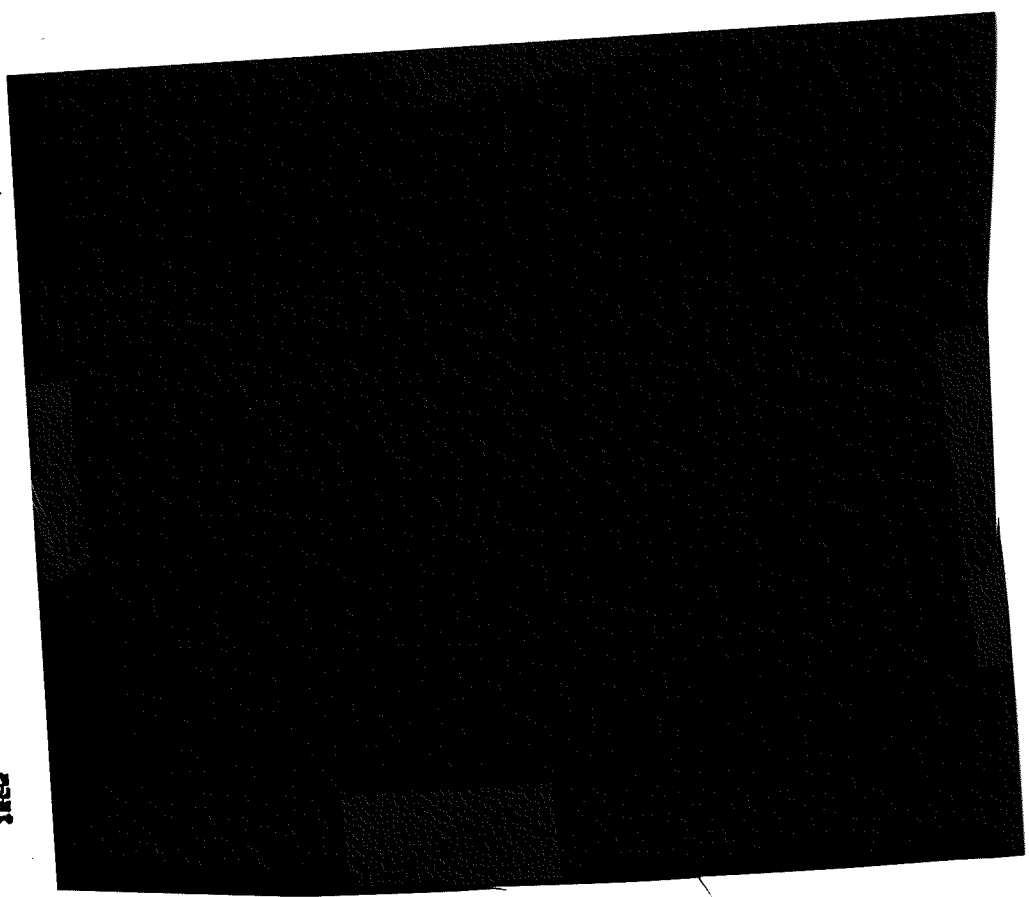
Act and section:- Hydro and Power Authority Privatization Act, section 24

Other (enclosed):

LIST OF EMPLOYEES WHO TRANSFER SEP 20 1988

NAME _____ SIN _____

INSTR

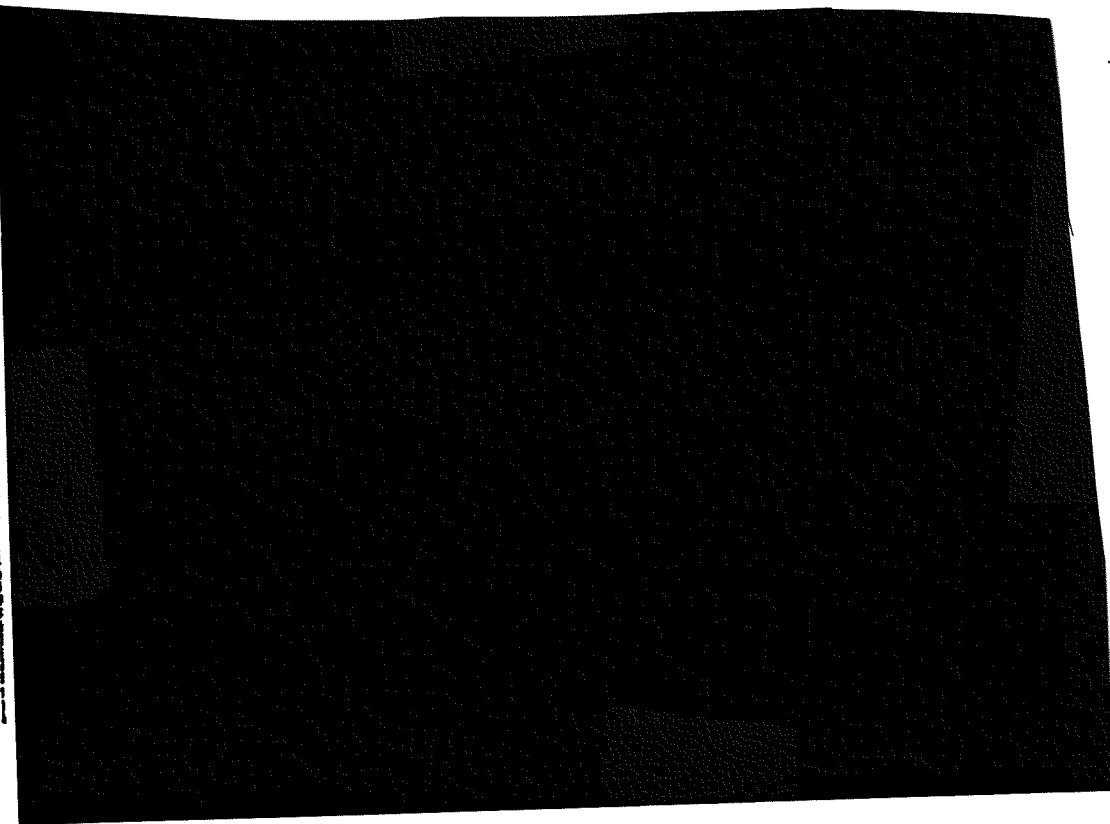


SEP 30 1988 18:18 ENERGY RES. VICTORIA, B.C.

(September 24, 1980 list, continued)

NAME

NR

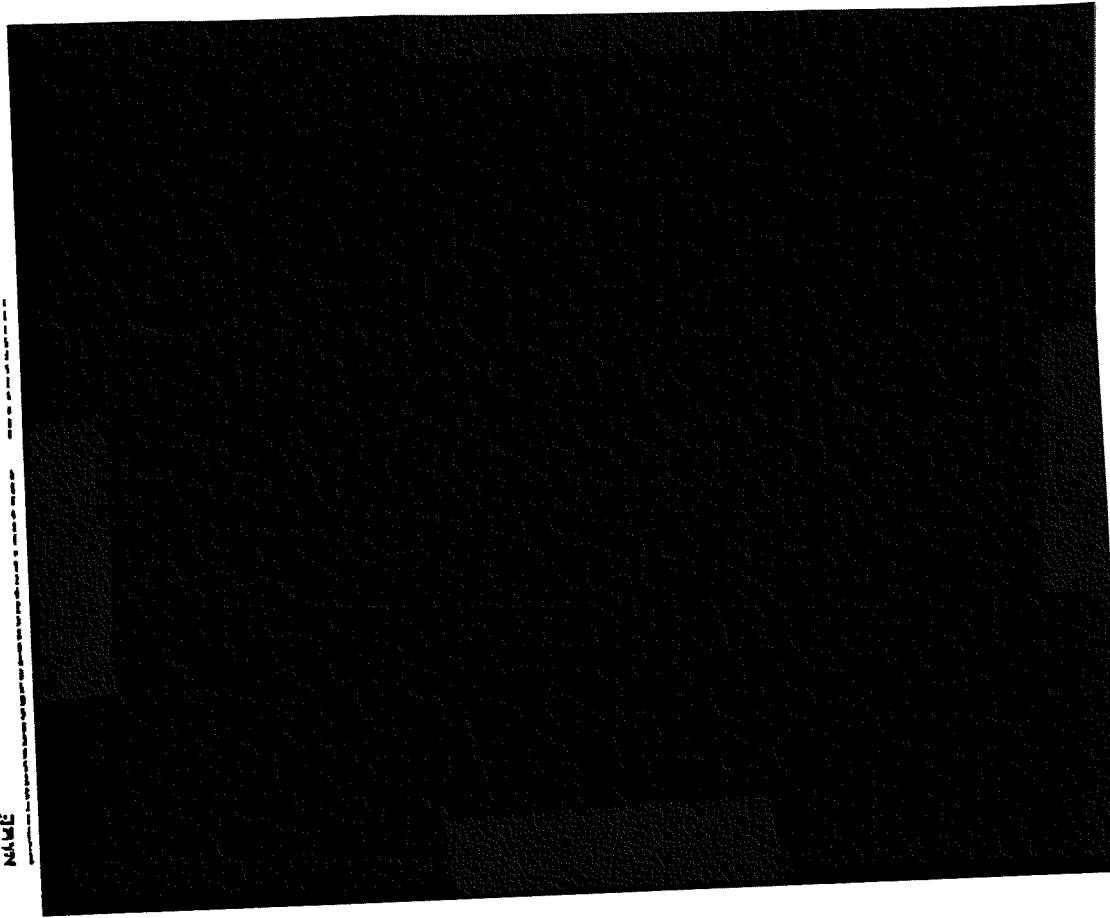


03/09/77 13:38

(September 30, 1988 list, continued)

SN

NAME



28/09/27 13:28

(September 28, 1988 list, continued)

ADP

ADP

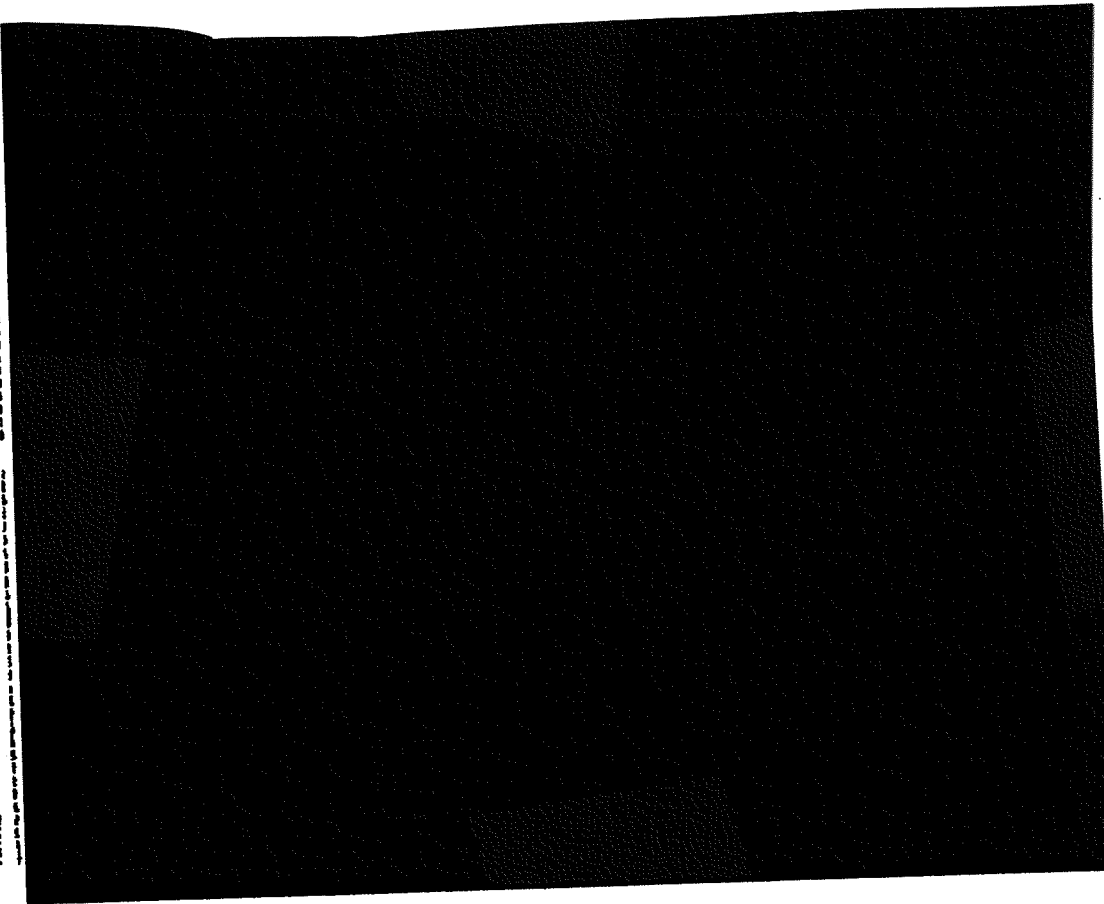


SEP 30 12/08/88

NAME

SIN

(September 30, 1988 list, continued)

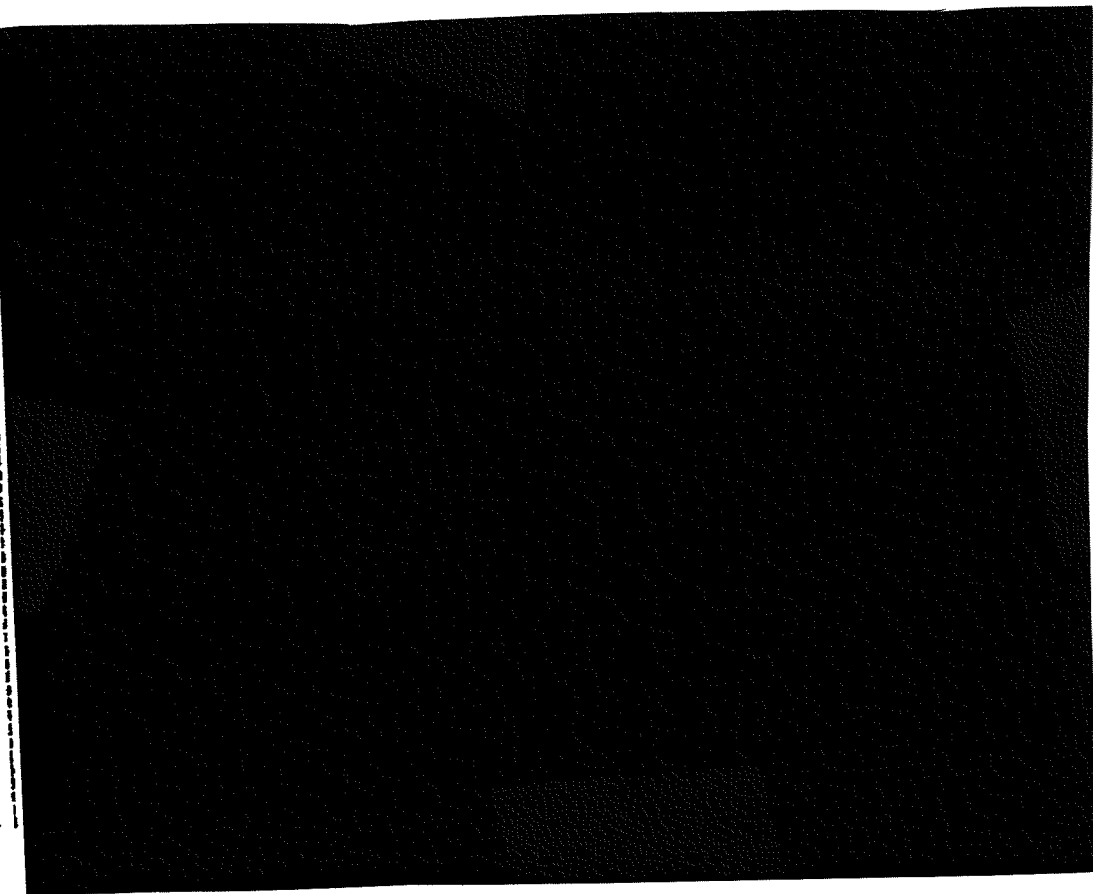


09/30/88 13:20

(September 28, 1988 list, continued)

SLA

NAME

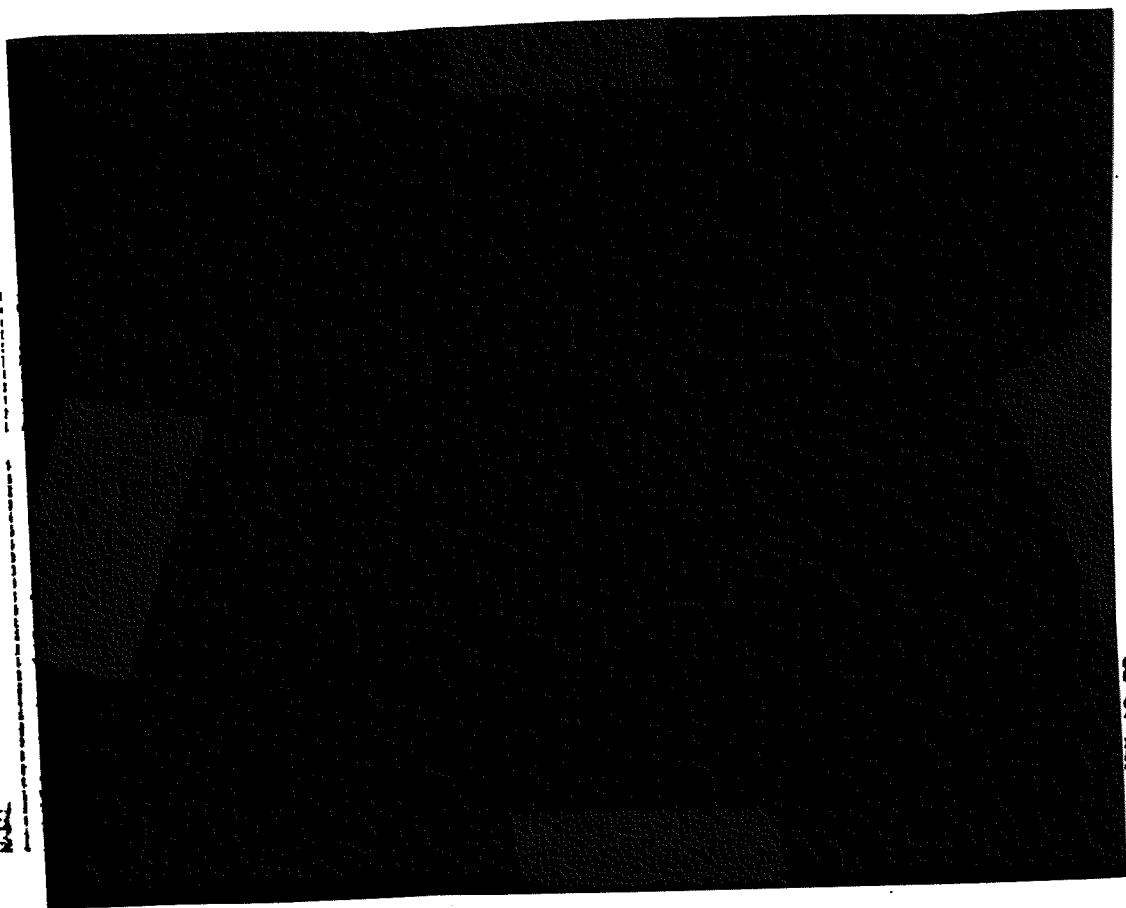


06:51 22/09/98

(September 23, 1988 list, continued)

SL

NAME

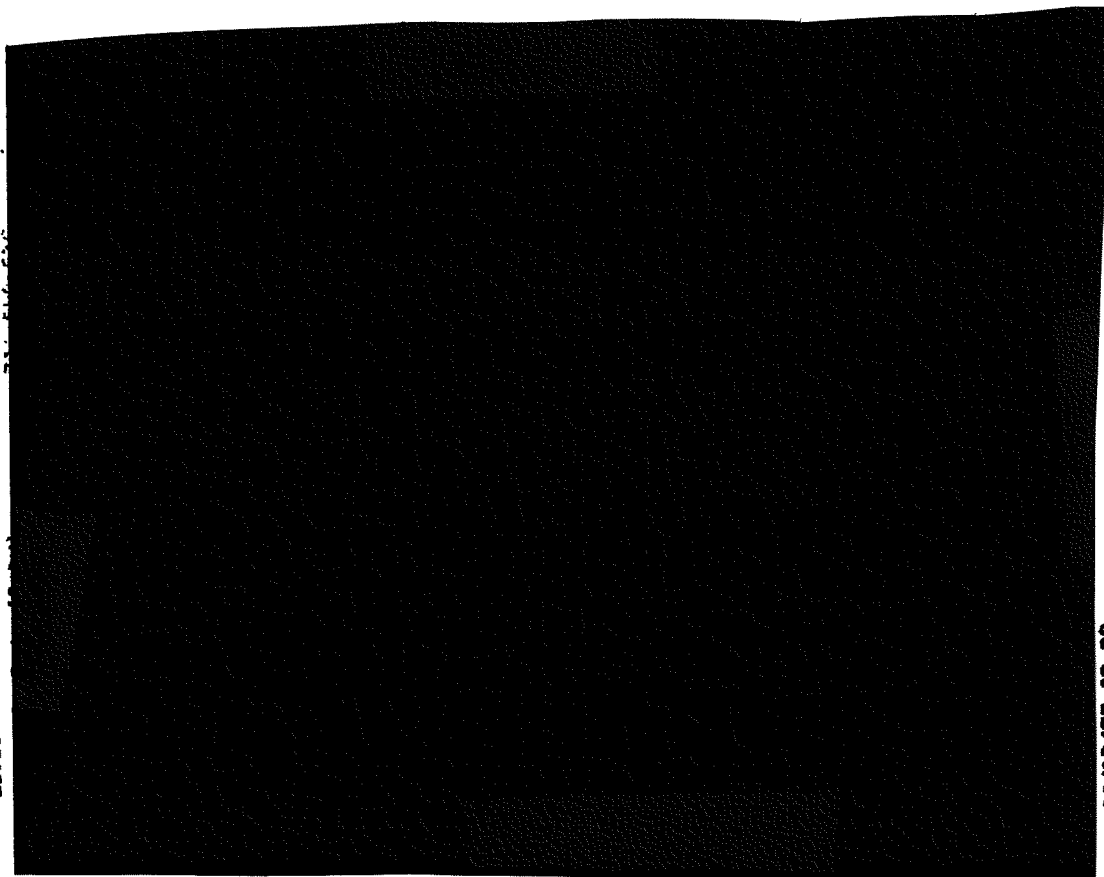


02/00/27 13:20

(September 50, 1988 list, continued)

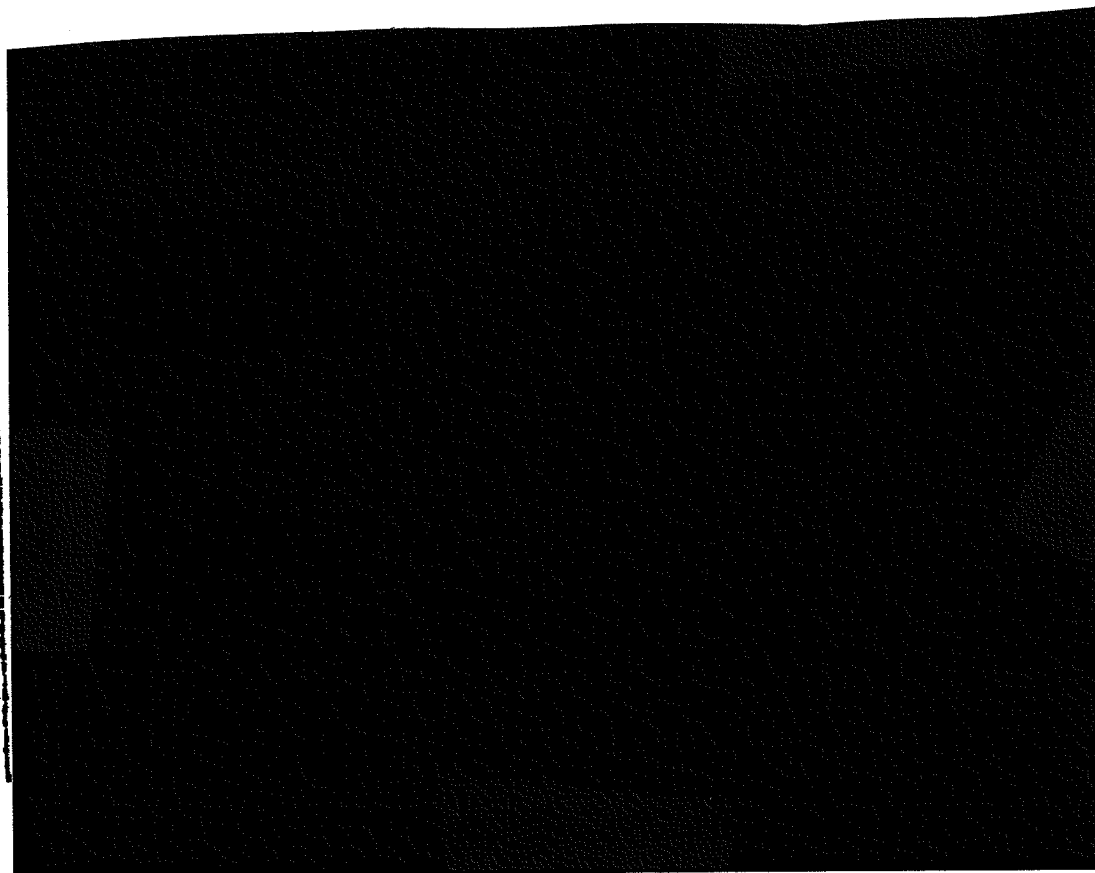
SIN

NAME



SEP 30 '88 18:22

PAGE 1



SIN

NAME

93/07/27 13:59

PAGE 2

(September , 1988 list, continued)

SIN

NAME

08759721 13353

PAGE 3

(September 30, 1988 list, continued)

SIN

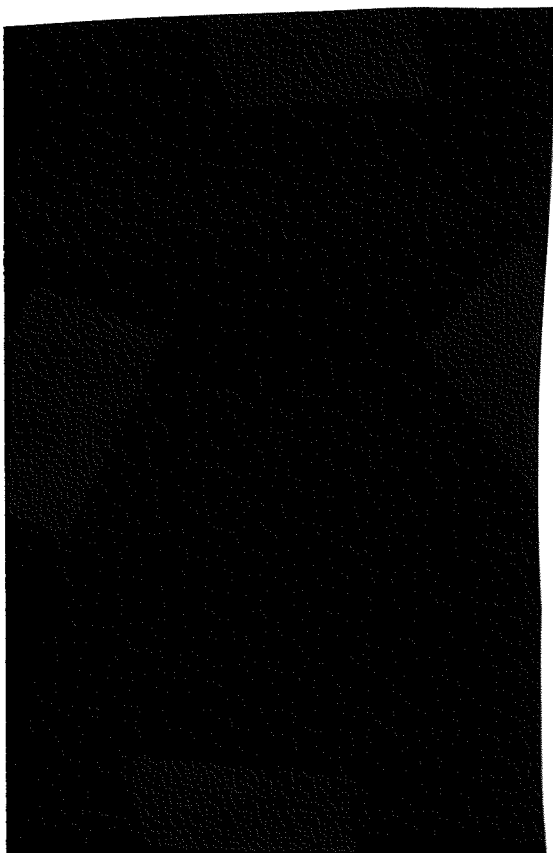
NAME

PS/RS/27 13:53

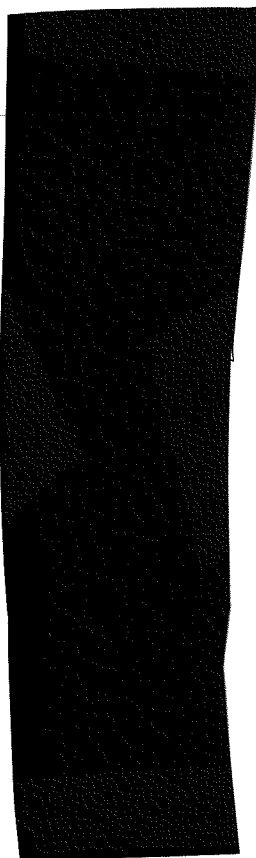
PAGE 4

NAME _____ SIN _____ (September 30, 1988 list, continued)

PROFESSIONAL



SUPPLEMENTARY LIST (P)



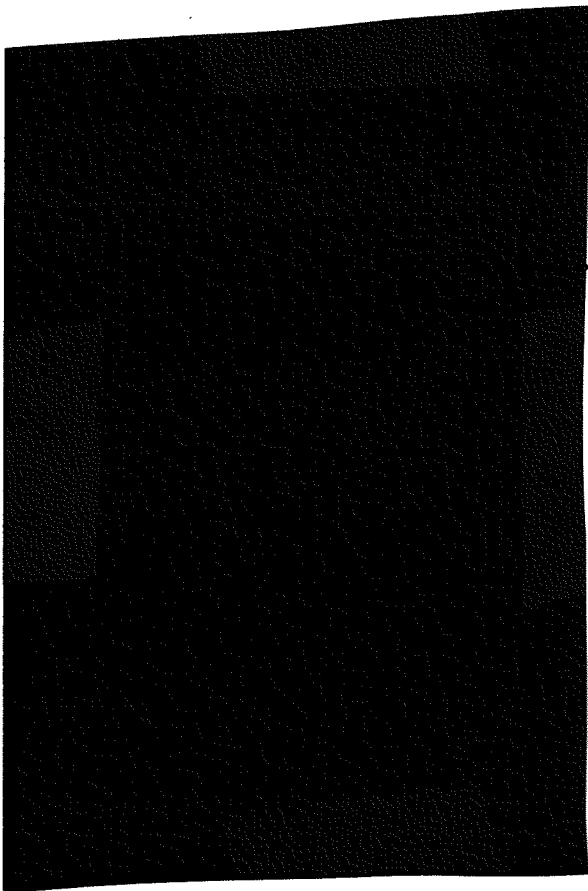
93/88/27 13:33

PAGE 5

(September 30, 1988 list, continued)

NAME _____ SIN _____

CONFIDENTIAL



25/09/27 13:53

PAGE 1

(September 1988 list, continued)

SIN

NAME

OTU



28/09/27 13:35

PAGE 2

(September 30, 1988 list, continued)

SIN

NAME

08/03/87 13:35

(September 30, 1988 list, continued)

SIN

NAME

88/09/27 18:33

10, 1988 list, continued)

SEP 30 '88

18:29

SEP 30 '88 18:29

PAGE 3

(September 10, 1988 list, continued)

STW

NAME

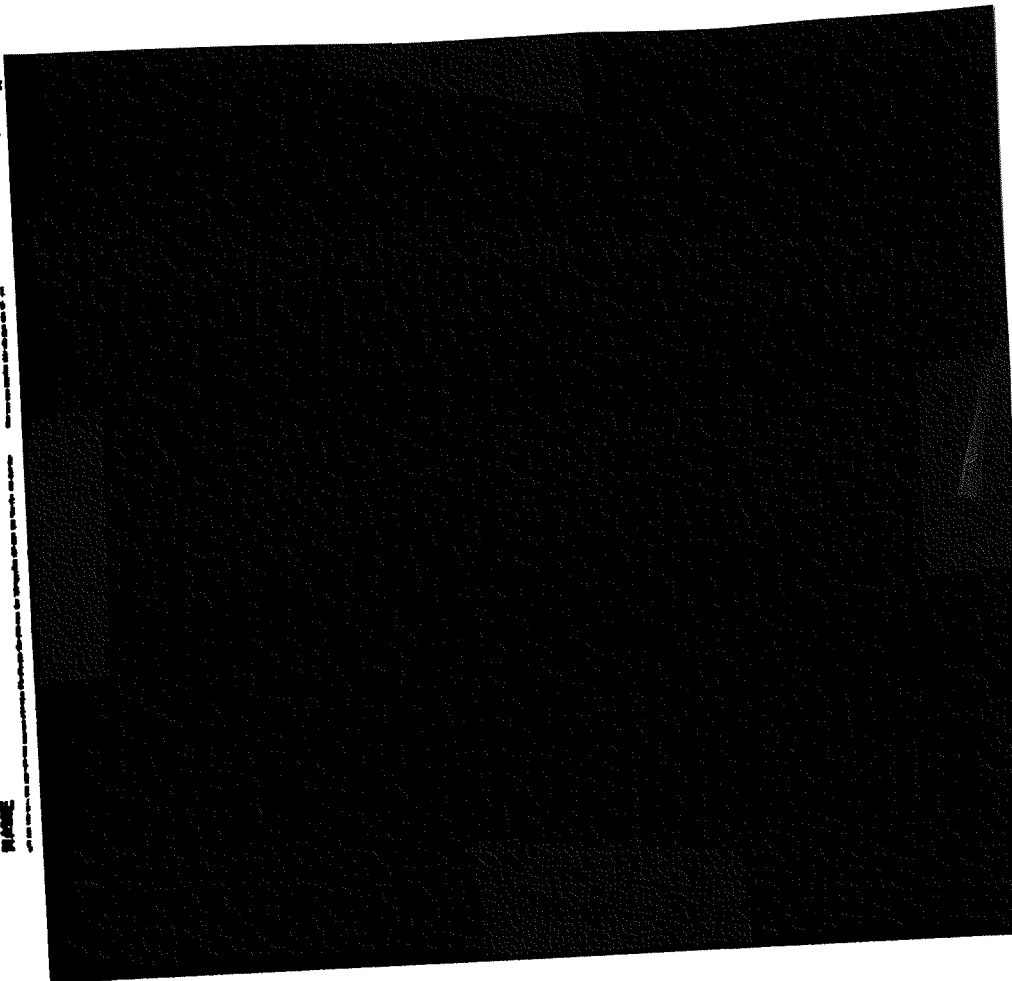
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PAGE 8

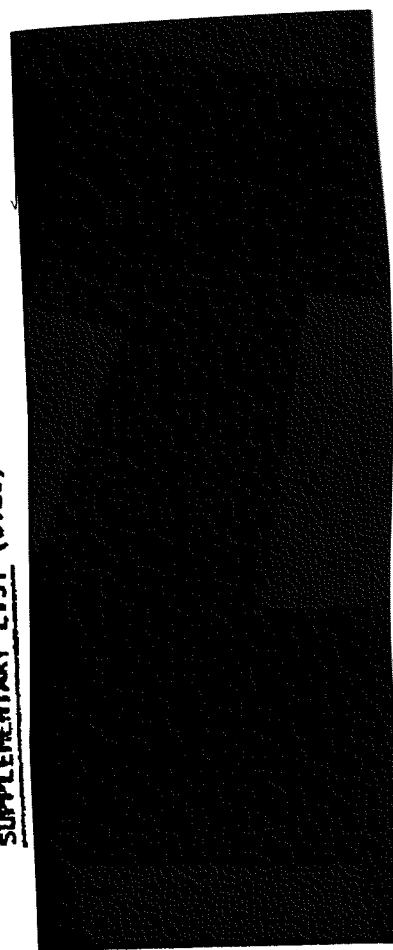
(September 30, 1988 list, continued)

STW

NAME



SUPPLEMENTARY LIST (OTEU)



ORDER OF THE LIEUTENANT GOVERNOR IN COUNCIL

CB-26

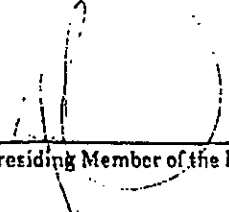
Order in Council No. 1827, Approved and Ordered SEP 30, 1988


Lieutenant Governor

Executive Council Chambers, Victoria

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and consent of the Executive Council orders that approval is given pursuant to sections 57 (2) of the *Utilities Commission Act* to the issue by B.C. Gas Inc., from time to time, to October 1, 1988 to Inland Natural Gas Co. Ltd. of common shares of B.C. Gas Inc. having an aggregate issue price of up to \$100 million.

Minister of Energy, Mines and Petroleum
Resources



Presiding Member of the Executive Council

(This part is for administrative purposes only and is not part of the Order.)

Authority under which Order is made:

Act and section: Utilities Commission Act, section 57 (2)

Other (specify): Hydro and Power Authority Privatization Act, section 18

SEP 30 1988

ORDER OF THE LIEUTENANT GOVERNOR IN COUNCIL

CB-27

Order in Council No. 1823, Approved and Ordered SEP.30.1988



Lieutenant Governor


Executive Council Chambers, Victoria

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and consent of the Executive Council orders that

1. Approval is given pursuant to section 61 (4) of the *Utilities Commission Act* that B.C. Gas Inc. register on its books the transfer from the government to Inland Natural Gas Co. Ltd. of all of the voting shares in B.C. Gas Inc.

2. Section 61 of the *Utilities Commission Act* does not apply to Inland Natural Gas Co. Ltd. with respect to its acquisition from the government of all of the voting shares in B.C. Gas Inc.

Minister of Energy, Mines and Petroleum
Resources



Presiding Member of the Executive Council

(This part is for administrative purposes only and is not part of the Order.)

Authority under which Order is made:

Act and section:- *Utilities Commission Act, s. 61 and Hydro and Power Authority Privatisation Act, s. 13 (3)*

Other (specify):- *Hydro and Power Authority Privatisation Act, section 18*

September 30, 1988

PROVINCE OF BRITISH COLUMBIA

CB-24

ORDER OF THE LIEUTENANT GOVERNOR IN COUNCIL

Order in Council No. **1821**, Approved and Ordered SEP. 30, 1988


Lieutenant Governor

Executive Council Chambers, Victoria

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and consent of the Executive Council orders,

Whereas:

- A. Inland Natural Gas Co. Ltd. ("Inland") is acquiring all of the issued and outstanding shares of B.C. Gas Inc. on an acquisition that is the subject of an order under section 31 (1);
- B. Inland is proposing to issue, from time to time, common shares of Inland having an aggregate issue price of up to \$100 million;
- C. The issue of common shares of Inland relates to the acquisition referred to in recital A.

1. Section 57 (2) of the *Utilities Commission Act* does not apply to the issue from time to time on or before October 1, 1989 by Inland Natural Gas Co. Ltd. of common shares having an aggregate issue price of up to \$100 million with the proceeds to be applied primarily to permit the repayment of borrowings incurred by B.C. Gas Inc. to acquire assets.

Minister of Energy, Mines and Petroleum
Resources

Presiding Member of the Executive Council

(This part is for administrative purposes only and is not part of the Order.)

Authority under which Order is made:

Act and section:- Hydro and Power Authority Privatization Act, section 13 (2) (d)

Other reference:-

September 30, 1988

PROVINCE OF BRITISH COLUMBIA

ORDER OF THE LIEUTENANT GOVERNOR IN COUNCIL

CB-21

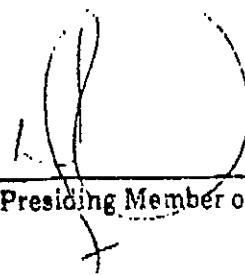
Order in Council No. **1824**, Approved and Ordered SEP.30.1988

Lieutenant Governor

Executive Council Chambers, Victoria

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and consent of the Executive Council, orders as set out in the attached Schedule.

Minister of Energy, Mines and Petroleum
Resources



Presiding Member of the Executive Council

(This part is for administrative purposes only and is not part of the Order.)

Authority under which Order is made:

Act and section: Hydro and Power Authority Privatization Act, section 13.(3).....

Other (specify):

SCHEDULE

Whereas:

- A. Inland Natural Gas Co. Ltd. ("Inland") is acquiring all of the issued and outstanding shares (the "shares") of B.C. Gas Inc. on an acquisition that is the subject of an order under section 31 (1) of the *Hydro and Power Authority Privatization Act*;
- B. Columbia Natural Gas Limited ("Columbia") and Fort Nelson Gas Ltd. ("Fort Nelson Gas") are subsidiaries of Inland;
- C. As part of its proposal to acquire B.C. Gas Inc., Inland offered to limit changes in the rates paid for natural gas by customers of Inland, Columbia and Fort Nelson Gas to changes arising from changes in expenses, over which Inland, Columbia and Fort Nelson Gas have no effective control, and changes associated with Orders of the British Columbia Utilities Commission ("commission") previously made, and subject to the rates not being altered by or on the complaint or application of any person;
- D. Her Majesty the Queen in Right of the Province of British Columbia ("the Province") and Inland, Columbia and Fort Nelson Gas have entered into an agreement made as of the 28th day of September, 1988, ("the rate agreement") to ensure that no changes in the rates of Inland, Columbia or Fort Nelson Gas occur other than those arising from changes in expenses, over which Inland, Columbia and Fort Nelson Gas have no effective control, and changes associated with orders of the commission made before the date of this order.

1. Sections 29, 49, 56 (b), 62 to 67, 69, 70, 86, 87, 114, 123 (1), 125 and 126 of the *Utilities Commission Act* do not apply to Inland, Columbia or Fort Nelson Gas in respect of the following transactions that are related to the acquisition referred to in recital A:

- (a) Inland's, Columbia's and Fort Nelson's charging to their customers of rates that reflect the limitations on rate changes referred to in recital C;
- (b) the establishment of notice requirements respecting changes in expenses experienced by Inland, Columbia and Fort Nelson Gas;
- (c) the establishment and maintenance of deferral accounts that record and reflect changes in expenses of Inland, Columbia and Fort Nelson Gas, over which those utilities have no effective control;
- (d) the filing by Inland, Columbia and Fort Nelson Gas of new schedules of rates that reflect changes in expenses over which those utilities have no effective control;
- (e) the confirmation that until the end of September, 1991, no changes in the expenses of Inland, Columbia and Fort Nelson Gas, other than those arising from changes in expenses over which Inland, Columbia and Fort Nelson Gas have no effective control, will be reflected in the rates of Inland, Columbia and Fort Nelson Gas.

PROVINCE OF BRITISH COLUMBIA

ORDER OF THE LIEUTENANT GOVERNOR IN COUNCIL

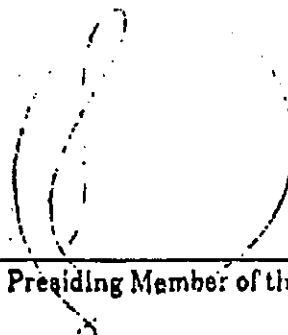
Order in Council No. **1814**, Approved and Ordered SEP.30.1988



Lieutenant Governor

Executive Council Chambers, Victoria

On the recommendation of the undersigned, the Lieutenant Governor, by and with the advice and consent of the Executive Council, orders that the form and contents set out in the attached Schedule are specified as the form and contents of the certificate of public convenience and necessity that 74280 B.C. Ltd., a gas distribution intermediary, is, by section 14 of the *Hydro and Power Authority Privatization Act*, deemed to have received.



Minister of Energy, Mines and Petroleum
Resources

Presiding Member of the Executive Council

(This part is for administrative purposes only and is not part of the Order.)

Authority under which Order is made:

Act and section: *Hydro and Power Authority Privatization Act*, section 14

Other (optional):

SCHEDULE

PROVINCE OF BRITISH COLUMBIA
IN THE MATTER OF THE HYDRO AND POWER AUTHORITY
PRIVATIZATION ACT AND THE UTILITIES COMMISSION ACT
AND
IN THE MATTER OF 74280 B.C. LTD.

CERTIFICATE OF PUBLIC CONVENIENCE AND NECESSITY

1. The Lieutenant Governor in Council hereby certifies that public convenience and necessity requires the operation, and construction and operation of extensions thereof by 74280 B.C. Ltd. of the gas system (together with feeder lines from the main transmission lines of Westcoast Energy Co. Ltd. for that system and the liquid natural gas storage facilities) in a service area comprising


- (a) the areas of land in
 - (i) Central Fraser Valley Regional District,
 - (ii) Dowdney-Alouette Regional District,
 - (iii) Greater Vancouver Regional District, and
 - (iv) Regional District of Fraser-Cheam other than the part of it in Electoral Area A, and
- (b) any additional area of land that form part of the service areas described in the Certificates of Public Convenience and Necessity that are identified below by date and person to whom issued:

<u>Date</u>	<u>Issued to</u>
(i) July 29, 1955 (as amended May 15, 1957, September 9, 1958 and May 13, 1959)	British Columbia Electric Company, Limited ("B.C. Electric"),
(ii) December 13, 1955	B.C. Electric,
(iii) February 20, 1957	B.C. Electric,
(iv) May 27, 1957	B.C. Electric,
(v) February 11, 1958 (as amended April 29, 1959)	B.C. Electric, and
(vi) January 13, 1959	B.C. Electric.

CANADA)	
PROVINCE OF BRITISH COLUMBIA	)	TO ALL WHOM THESE PRESENTS MAY
TO WIT:	)	COME BE SEEN OR KNOWN:

I, ELIZABETH J. HARRISON, a Notary Public by Royal authority duly appointed, residing at Vancouver, in the Province of British Columbia, do certify and attest that the paper writing hereto annexed, marked with my Notarial Seal, is a true facsimile copy of an originally executed document produced to me by Farris, Vaughan, Wills & Murphy purporting to be a Ministerial Order consenting to B.C. Gas Inc. mortgaging its pipeline, signed by the Honourable Neil Vant, Minister of Transportation and Highways, and dated the 28th day of September, 1988. The said copy having been compared by me with the said original document, an act whereof being requested I have granted under Notarial form and seal of office to serve and avail as occasion may require.

DATED at Vancouver, British Columbia, this 30th day of September, 1988.


 A Notary Public in and for the
 Province of British Columbia

SCHEDULE**IN THE MATTER OF THE PIPELINE ACT**

**R.S.B.C., 1979, C. 328
(the Act)**

AND

**IN THE MATTER OF B.C. GAS INC., FORMERLY KNOWN AS
74280 B.C. LTD.
(the Company)**

WHEREAS by an order under Section 2(3) of the Act dated for reference September 14, 1988, authority was granted to the Company for the operation of a pipeline for the supply of natural gas to the public for compensation in the Regional Districts of:

- (1) Greater Vancouver,**
- (2) Dawdney Allouette,**
- (3) Central Fraser Valley, and**
- (4) Fraser Cheam;**

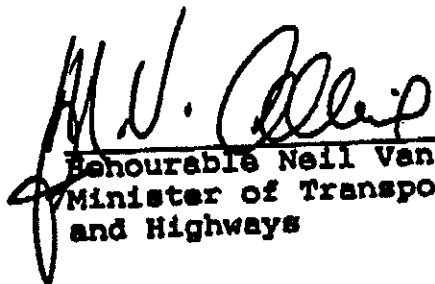
AND WHEREAS the Company, for the purpose of the acquisition of its assets, hereby requests approval to place a mortgage and charge against its pipeline through the issuance of the following securities;

- (a) \$300 million debenture creating a fixed mortgage and charge on the assets of the Company, including its pipeline, in favor of British Columbia Hydro and Power Authority;**
- (b) \$1'**

- 2 -

- (c) \$300 million debenture creating a fixed mortgage and charge on the assets of the Company, including its pipeline, in favor of Bank of Montreal, as agent for various lenders.

NOW THEREFORE, the Minister of Transportation and Highways, of the Province of British Columbia, hereby certifies that pursuant to the provisions of Section 32(c) of the Act, leave is granted to the Company to mortgage and create a charge against its pipeline to the extent set forth herein;


Honourable Neil Vant
Minister of Transportation
and Highways

Dated for reference
this 28th day of
September, 1988.



Province of
British Columbia
OFFICE OF THE MINISTER

Ministry of
Energy, Mines and
Petroleum Resources

Parliament Buildings
Victoria
British Columbia
V8V 1X4

CB-23

September 30, 1988

Inland Natural Gas Co. Ltd.
23rd Floor
1066 West Hastings Street
Vancouver, British Columbia
V6E 3G3

Attention: Mr. R.E. Kadlec
President and Chief Executive Officer

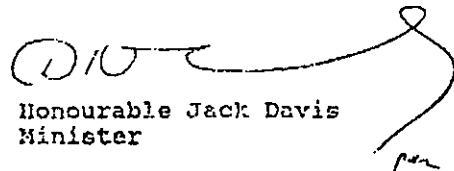
Dear Mr. Kadlec:

INLAND NATURAL GAS CO. LTD.
UTILITIES COMMISSION ACT

Inland Natural Gas Co. Ltd. ("Inland") is acquiring all of the issued and outstanding shares of B.C. Gas Inc. under the Hydro and Power Authority Privatization Act (the "Privatization Act"). Inland has proposed as part of its bid to acquire B.C. Gas Inc., and it is my intent that Inland, Fort Nelson Gas Ltd., Columbia Natural Gas Limited, Squamish Gas Co. Ltd. (together the "Inland Companies") and B.C. Gas Inc. effect an amalgamation or merger such that the successor company be a "special company" under the Privatization Act. The exact details of the steps to be taken to effect this amalgamation or merger are not yet known, however power has been granted under the Privatization Act to the Lieutenant Governor in Council to exempt Inland from certain provisions of the Utilities Commission Act.

I hereby agree that when Inland has identified the exact steps to effect the amalgamation or merger, I will recommend to the Lieutenant Governor in Council to issue an order under the Privatization Act, exempting the Inland Companies from the application of Sections 47, 59, 60 and 61 of the Utilities Commission Act with respect to the amalgamation or merger of the Inland Companies and B.C. Gas Inc.

Yours sincerely,


Honourable Jack Davis
Minister



Province of
British Columbia
OFFICE OF THE MINISTER

Ministry of
Energy, Mines and
Petroleum Resources

Parliament Buildings
Victoria
British Columbia
V8V 1X4

CB-25

September 30, 1988

Inland Natural Gas Co. Ltd.
23rd Floor
1066 West Hastings Street
Vancouver, British Columbia
V6E 3G3

Attention: Mr. R.E. Kadlec
President and Chief Executive Officer

Dear Mr. Kadlec:

INLAND NATURAL GAS CO. LTD.

Inland Natural Gas Co. Ltd. ("Inland") is today purchasing from Her Majesty the Queen in Right of the Province of British Columbia (the "Province") all of the issued and outstanding voting shares of B.C. Gas Inc. pursuant to an Order in Council made under Section 31(1)(a) of the Hydro and Power Authority Privatization Act, S.B.C. 1988 (the "Act").

Inland will from time to time be issuing securities to refinance in part the costs of the acquisition of B.C. Gas Inc. and its assets.

In the event that Inland requires approval under the Utilities Commission Act, for the issue of securities for such purpose, then provided that the terms and conditions of the issue are consistent with market conditions, at the time of issue, I will recommend that an Order in Council be granted pursuant to Section 13 of the Act, exempting Inland from the applicable sections of the Utilities Commission Act.

Yours sincerely,

Honourable Jack Davis
Minister

HYDRO/INLAND REGULATORY AGREEMENT

THIS AGREEMENT made as of the 29th day of September, 1988;

BETWEEN:

BRITISH COLUMBIA HYDRO & POWER AUTHORITY, a crown corporation established pursuant to an Act of the Province of British Columbia and continued under the Hydro & Power Authority Act, R.S.B.C. 1979, c.188, as amended

("Hydro")

OF THE FIRST PART

AND:

INLAND NATURAL GAS CO. LTD., a body corporate under the laws of the Province of British Columbia

("Inland")

OF THE SECOND PART

WHEREAS:

A. By an agreement (the "Share Transfer Agreement") entered into as of the 20th day of July, 1988, among Her Majesty the Queen in Right of the Province of British Columbia, Hydro, Inland and B.C. Gas Inc. (formerly 74280 B.C. Ltd.) the Province agreed to sell and Inland agreed to purchase all of the shares of B.C. Gas Inc., upon the terms and conditions contained therein;

B. Inland has been granted by order dated September 30, 1988 of the Lieutenant Governor in Council under the Hydro and Provincial Authority Privatization Act (the "Privatization Act") an order exempting Inland and certain of its subsidiaries as stated therein (the "Inland Companies") from certain provisions of the Utilities Commission Act (the "Regulatory Order") and the Inland Companies and the Province have entered into an agreement relating to the manner in which the Inland Companies will be permitted to change the rates charged to their customers to October 1, 1991 (the "Regulatory Agreement"); and

C. Hydro has agreed to indemnify and save Inland harmless with respect to certain changes in the Regulatory Order or Regulatory Agreement.

NOW THEREFORE THIS AGREEMENT WITNESSETH that in consideration of the sum of ONE DOLLAR (\$1.00) and other good and valuable consideration (receipt and sufficiency of which is hereby acknowledged by each party) the parties hereto covenant and agree as follows:

1. Subject to the Financial Administration Act S.B.C. 1981, c.15, as amended, and the Hydro and Power Authority Act R.S.B.C. 1979, c.188, as amended and the regulations thereunder, Hydro will indemnify Inland from any and all monetary losses or damages suffered by Inland or any member of the Inland Companies,

- (a) suffered or sustained as a result of any subsequent change for any reason other than at the request of Inland, of any term or provision of the Regulatory Order or the Regulatory Agreement;
- (b) suffered or sustained as a result of a failure by the Lieutenant Governor in Council, to permit the increase of the rates or tariffs of the Inland Companies where the increase is calculated in accordance with reasonable regulatory practice, by application, on or before September 30, 1991, of the amounts properly held in deferral accounts established pursuant to the Regulatory Agreement or pursuant to Section 4.02 of the Regulatory Agreement.

2. Any notice or other communication provided for herein or given hereunder to a party hereto shall be in writing and shall be delivered by double registered mail, or in person to

the individual listed below:

(a) to Hydro:

British Columbia Hydro and Power Authority
970 Burrard Street
Vancouver, B.C.
V6Z 1Y3

(b) to Inland:

23rd Floor
1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: President

or such other address with respect to a party as such party shall notify the other in writing as above provided. All notices shall be deemed made upon actual notification or mailing as provided for above, whichever shall occur earlier; provided, however, that notice by mailing shall not be deemed to have been made until delivered.

3. This Agreement contains the complete agreement between the parties hereto with respect to the transaction contemplated hereby and supersedes all prior agreements and understandings among the parties with respect to such transaction. There are no restrictions, promises, representations, warranties, covenants, indemnities, or undertakings by the parties other than those expressly set forth in this Agreement. This Agreement may be amended, modified or terminated only by written instrument signed by all parties hereto.

4. This Agreement shall be construed and enforced in accordance with the laws of the Province of British Columbia.

5. All necessary changes required to make the provisions of this Agreement apply in the plural sense where necessary will in all instances be construed.

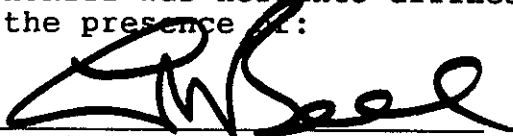
6. The descriptive headings of the paragraphs and subparagraphs hereof are inserted for convenience only and do not constitute a part of this Agreement.

7. This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which shall constitute but one instrument.

8. This Agreement shall enure to the benefit of and be binding upon each of the parties hereto and their respective successors and assigns.

IN WITNESS WHEREOF the parties hereto have executed this Agreement as of the day and year first above written.

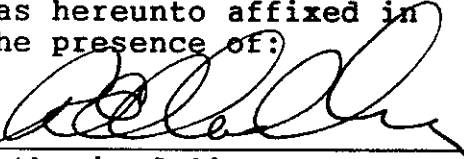
THE common seal of BRITISH
COLUMBIA HYDRO & POWER
AUTHORITY was hereunto affixed
in the presence of:



Authorized Signatory

C/S

The common seal of INLAND
NATURAL GAS CO. LTD. was
was hereunto affixed in
the presence of:



Authorized Signatory

C/S


Authorized Signatory

This is page 4 of the Inland/Hydro Regulatory Agreement made as of the 30th day of September, 1988, between British Columbia Hydro & Power Authority and B.C. Gas Inc. (formerly 74280 B.C. Ltd.)

DATED: September 29, 1988

BETWEEN:

BRITISH COLUMBIA HYDRO & POWER
AUTHORITY

OF THE FIRST PART

AND:

INLAND NATURAL GAS CO. LTD.

OF THE SECOND PART

HYDRO/INLAND REGULATORY
AGREEMENT

EJH/ja #00019-233

FARRIS, VAUGHAN, WILLS & MURPHY

BARRISTERS & SOLICITORS

26TH FLOOR, TORONTO DOMINION BANK TOWER
700 WEST GEORGIA STREET
VANCOUVER B.C. V7Y 1B3

1989

THIS AGREEMENT entered into as of the 1st day of July,

BETWEEN:

HER MAJESTY THE QUEEN IN RIGHT OF THE PROVINCE
OF BRITISH COLUMBIA, represented by the Minister
of Energy, Mines and Petroleum Resources

(the "Province")

OF THE FIRST PART

AND:

BC GAS INC., a body corporate amalgamated under
the laws of the Province of British Columbia

("BC Gas")

OF THE SECOND PART

W H E R E A S:

A. BC Gas was formed by the amalgamation (the
"Amalgamation") of Inland Natural Gas Co. Ltd. ("Inland"), B.C.
Gas Inc. ("Mainland Gas"), Columbia Natural Gas Limited
("Columbia") and Fort Nelson Gas Ltd. ("Fort Nelson");

B. Prior to the Amalgamation, Mainland Gas was a "special
company", as defined in the Hydro and Power Authority
Privatization Act, S.B.C. 1988, (the "Privatization Act");

C. Pursuant to Section 33(2) of the Privatization Act and
Order in Council 684, BC Gas is a "special company";

D. Prior to the Amalgamation, Inland held all of the issued
and outstanding shares in the capital stock of Mainland Gas, and
the Province and Inland entered into an agreement as of the 29th
day of September, 1988 (the "Former Agreement"), pursuant to
Section 38(3) of the Privatization Act;

E. The Minister of Energy, Mines and Petroleum Resources (the "Minister") desires that certain covenants of Inland in the Former Agreement be made, and carried out, by BC Gas;

F. The Minister has indicated a desire that the common equity component of the capital structure of the utility operations be not less than 35% (the "Equity Component") on or about October 1, 1991 and to achieve the Equity Component, a financing plan as set forth on Schedule A hereto, which was a schedule to the Former Agreement, was developed and is continuing to be implemented;

G. BC Gas intends that the customers of each of the former companies, namely Mainland Gas, Inland, Columbia and Fort Nelson (the "Former Companies") will, after the Amalgamation, continue to be charged separate natural gas rates;

H. It is the intention of the parties hereto that the natural gas rates of the divisions of BC Gas which were the Former Companies (the "Divisions") and of BC Gas will not be increased or altered in form until the end of September, 1991, except in the manner provided in an Order-in-Council No. 953/89 (the "Order-in-Council") granted under the Privatization Act and the Utilities Commission Act S.B.C. 1980, Chapter 60, (the "Utilities Commission Act") on the 28th day of June, 1989;

I. BC Gas expects that its revenue requirements included in natural gas rates for the customers of each of the Divisions will increase by less than three percent in the twelve month period following the end of September, 1991; and

J. BC Gas has identified various economic development initiatives in the Province of British Columbia, which it has indicated a desire to pursue, which initiatives are listed in

Schedule "B" attached hereto, which Schedule "B" was a schedule to the Former Agreement.

NOW THEREFORE, in consideration of the premises and mutual covenants and agreements contained herein, the parties hereto represent, warrant, covenant and agree as follows:

1.0 RATE FREEZE

BC Gas will not apply under the Utilities Commission Act or the Privatization Act to have the natural gas rates in the areas served by the Divisions increased or altered in form until October 1, 1991, except in the manner provided in the Order in Council.

2.0 FEASIBILITY STUDIES

On or before October 1, 1991, BC Gas will complete the feasibilities studies listed in Schedule "C" attached hereto, which Schedule "C" was a schedule to the Former Agreement, and will advise the Minister with respect to its conclusions relating to those studies.

3.0 MANAGEMENT REVIEW

3.01 On or about October 1, 1992 and every four years thereafter, the Board of Directors of BC Gas will appoint an independent consultant (the "Consultant") to review and report on the management of BC Gas.

3.02 BC Gas will permit the Consultant to review such documents and interview its employees, officers and auditors, to the extent reasonably required, to allow the Consultant to prepare its report properly.

3.03 BC Gas will permit the Consultant to prepare a summary of its report for inclusion in the annual report to shareholders of BC Gas, which summary will state that shareholders may obtain a copy of the report at BC Gas' reproduction costs therefor, from the offices of BC Gas.

4.0 NOTICES

Any notice or other communication provided for herein or given hereunder to a party hereto shall be in writing and shall be delivered by double registered mail, or in person to the individual listed below:

(a) to the Minister:

Minister of Energy, Mines and Petroleum Resources
Parliament Buildings
Victoria, B.C.

(b) to BC Gas:

23rd Floor
1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: President

or such other address with respect to a party as such party shall notify the other in writing as above provided. All notices shall be deemed made upon actual notification or mailing as provided for above, whichever shall occur earlier; provided, however, that notice by mailing shall not be deemed to have been made until delivered.

5.0 COMPLETE AGREEMENT

This Agreement and the schedules attached hereto contain the complete agreement between the parties hereto with respect

to the transaction contemplated hereby and supersede all prior agreements among the parties with respect to such transactions, but does not affect any Orders in Council of the Lieutenant Governor in Council. There are no restrictions, promises, representations, warranties, covenants, indemnities, or undertakings by the parties other than those expressly set forth in this Agreement and the Schedules. This Agreement may be amended, modified or terminated only by written instrument signed by all parties hereto and subject to the requirements of the Privatization Act.

6.0 GOVERNING LAW

This Agreement shall be construed and enforced in accordance with the laws of the Province of British Columbia.

7.0 GRAMMATICAL

All necessary changes required to make the provisions of this Agreement apply in the plural sense where necessary will in all instances be construed.

8.0 HEADINGS

The descriptive headings of the paragraphs and subparagraphs hereof are inserted for convenience only and do not constitute a part of this Agreement.

SCHEDULE A

PROPOSED FINANCING PROGRAM 1988 - 1993

	<u>Short-term Debt</u>	<u>Vendor Debt</u>	<u>Long-Term Debt</u>	<u>Vendor Equity</u>	<u>Preferred Shares</u>	<u>Common Equity</u>
<u>1988</u> July	\$ 25					
October	175	\$300		\$150		\$ 75
<u>1989</u> April	(100)				\$100 ⁽¹⁾	
<u>1990</u> October		(75)	\$ 75			
<u>1991</u> October		(75)	75	(150)		(150)
<u>1992</u> October		(75)	75			
<u>1993</u> October		(75)	75			
	<u>\$100</u>	<u>\$ -</u>	<u>\$300</u>	<u>\$ -</u>	<u>\$100</u>	<u>\$225</u>

(1) The Preferred Shares may be issued in two tranches:

\$50 million on or about July 30, 1989, and
\$50 million no later than March 31, 1990.

SCHEDULE "B"

ECONOMIC DEVELOPMENT INITIATIVES WHICH INLAND (NOW BC GAS INC.) HAS IDENTIFIED AND WISHES TO PURSUE SUBJECT TO ECONOMIC AND FINANCIAL VIABILITY.

<u>Project</u>	<u>Capital Expenditures (1988 - 1993)</u>	<u>Status</u>
Underground Gas Storage Fraser Delta	\$75 million	- drilling and testing ongoing
East Kootenay Link Expansion	\$83-168 million	- construction planned for 1990/91
Petrochemical Plant in Southwestern B.C.	\$250 million	- major feasibility study to commence with partners
NGV Cylinders	\$3.2 million	- joint venture agreement pending
Flexible House Gas Piping	\$2.2 million	- agreement with sponsor
NGV Home Compressors	\$5 million	- market research completed - joint venture agreement pending
Gas Fireplace Assembly Plant	\$2 million	- feasibility study ongoing

SCHEDULE "C"

INITIATIVES WHICH INLAND (NOW BC GAS INC.) HAS IDENTIFIED AND IS COMMITTED TO UNDERTAKE.

<u>Initiative/Project</u>	<u>Commitment</u>
Feasibility Study for Petrochemical Plant (Southwestern B.C.)	\$500,000
Feasibility Study for Locating Gas Fireplace Assembly Plant in B.C.	\$500,000
Promotion of B.C. as Location for Gas Consuming Industries	\$250,000 (subject to matching formula of Ministry of Economic Development, and major Government)
Local Supplier Preference	5 year goal to increase purchases from B.C. based suppliers to 80% of requirements of B.C. Gas Institute a purchasing awareness program for B.C. suppliers
Local Professional/Consulting Community	Preferentially utilize B.C. based professional and consulting services.

DATED: the 1st day of July, 1989

BETWEEN:

HER MAJESTY THE QUEEN IN RIGHT OF THE
PROVINCE OF BRITISH COLUMBIA

AND:

BC GAS INC.

AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-H/MG/8A-4

File No. 1166/9

RESALE RESTRICTION AGREEMENT

THIS AGREEMENT entered into as of the 29th day of September, 1988

BETWEEN:

**HER MAJESTY THE QUEEN IN RIGHT OF THE PROVINCE
OF BRITISH COLUMBIA**, represented by the Minister
of Energy, Mines and Petroleum Resources

(the "Province")

OF THE FIRST PART

AND:

INLAND NATURAL GAS CO. LTD., a body corporate under
the laws of the Province of British Columbia

("Inland")

OF THE SECOND PART

W H E R E A S:

- A. The Province owns all of the issued and outstanding shares (the "Shares") of B.C. Gas Inc. (the "Company");
- B. The Shares are registered in the name of the Minister of Finance and Corporate Relations on behalf of the Province;
- C. By agreement made as of July 20, 1988, the Province agreed to sell and Inland agreed to purchase the Shares from the Province;
- D. The Company has been designated as a "special company", as defined in the Hydro and Power Authority Privatization Act, S.B.C. 1988, (the "Privatization Act");

E. This Agreement is being entered into pursuant to Section 38(3) of the Privatization Act;

F. The Minister of Energy, Mines and Petroleum Resources (the "Minister") has indicated a desire that the Shares of the Company be widely held;

G. Inland intends, subject to obtaining the necessary approval under the Privatization Act and of its shareholders and regulatory authorities, to effect a corporate reorganization (the "Reorganization") of the Company, Inland, Columbia Natural Gas Limited ("Columbia"), Fort Nelson Gas Ltd. ("Fort Nelson") as contemplated by the Privatization Act, such that the successor company (the "Successor Company") resulting from such reorganization shall be a special company under the Privatization Act whose voting shares are widely held;

H. The Minister has indicated a desire that the common equity component of the capital structure of the utility operations of the Successor Company be not less than 35% (the "Equity Component") on or about October 1, 1991 and to achieve the Equity Component, Inland has developed a financing plan as set forth on Schedule A hereto;

I. Inland intends that the customers of each of the Company, Inland, Columbia and Fort Nelson will, after the Reorganization, continue to be charged separate natural gas rates;

J. It is the intention of the parties hereto that the natural gas rates of the Company, Inland, Columbia and Fort Nelson or any Successor Company (any one of which is hereby referred to as "B.C. Gas") will not be increased or altered in form until October 1, 1991, except in the manner provided in certain orders-in-council (the "Orders-in-Council") granted under the

Privatization Act and the Utilities Commission Act S.B.C. 1980, Chapter 60, (the "Utilities Commission Act") on the 29th day of September, 1988 and pursuant to the rate agreement among the Province, Inland, Columbia and Fort Nelson dated as of the 30th day of September, 1988 (the "Rate Agreement");

K. Inland expects that its revenue requirements included in natural gas rates for the customers of each of the Company, Inland, Columbia and Fort Nelson will increase by less than three percent in the twelve month period following October 1, 1991; and

L. Inland has identified various economic development initiatives in the Province of British Columbia related to its acquisition of the Shares of the Company, which it has indicated a desire to pursue, which initiatives are listed in Schedule "B" attached hereto.

NOW THEREFORE, in consideration of the premises and mutual covenants and agreements contained herein, the parties hereto represent, warrant, covenant and agree as follows:

1.0 RESALE

Inland will not sell, transfer, otherwise dispose of, pledge or encumber any of the Shares without the prior written approval of the Minister.

2.0 RATE FREEZE

Inland will not, nor will it permit B.C. Gas to, apply under the Utilities Commission Act or the Privatization Act to have the natural gas rates of Inland, the Company, Columbia or Fort Nelson increased or altered in form until October 1, 1991, except in the manner provided in the Orders in Council or the Rate Agreement, and for the application of certain tariff filings for

Inland, Columbia and Fort Nelson pursuant to orders granted prior to the date hereof by the British Columbia Utilities Commission under the Utilities Commission Act.

3.0 FEASIBILITY STUDIES

On or before October 1, 1991, Inland or B.C. Gas will complete the feasibilities studies listed in Schedule "C" attached hereto and will advise the Minister with respect to its conclusions relating to those studies.

4.0 MANAGEMENT REVIEW

4.01 On or about October 1, 1992 and every four years thereafter, the Board of Directors of Inland, or the Successor Company, will appoint an independent consultant (the "Consultant") to review and report on the management of B.C. Gas.

4.02 Inland will, and will cause B.C. Gas to, permit the Consultant to review such documents and interview its employees, officers and auditors, to the extent reasonably required, to allow the Consultant to prepare its report properly.

4.03 Inland will permit the Consultant to prepare a summary of its report for inclusion in the annual report to shareholders of Inland or B.C. Gas (if B.C. Gas is a publicly held company), which summary will state that shareholders may obtain a copy of the report at Inland's or B.C. Gas' reproduction costs therefor, from the offices of Inland or B.C. Gas.

5.0 NOTICES

Any notice or other communication provided for herein or given hereunder to a party hereto shall be in writing and shall

be delivered by double registered mail, or in person to the individual listed below:

(a) to the Minister:

Minister of Energy, Mines and Petroleum Resources
Parliament Buildings
Victoria, B.C.

(b) to Inland:

23rd Floor
1066 West Hastings Street
Vancouver, B.C.
V6E 3G3

Attention: President

or such other address with respect to a party as such party shall notify the other in writing as above provided. All notices shall be deemed made upon actual notification or mailing as provided for above, whichever shall occur earlier; provided, however, that notice by mailing shall not be deemed to have been made until delivered.

6.0 COMPLETE AGREEMENT

This Agreement and the schedules attached hereto contain the complete agreement between the parties hereto with respect to the transaction contemplated hereby and supersede all prior agreements and understandings among the parties with respect to such transactions. There are no restrictions, promises, representations, warranties, covenants, indemnities, or undertakings by the parties other than those expressly set forth in this Agreement and the Schedules. This Agreement may be amended, modified or terminated only by written instrument signed by all parties hereto and subject to the requirements of the Privatization Act.

7.0 GOVERNING LAW

This Agreement shall be construed and enforced in accordance with the laws of the Province of British Columbia.

8.0 GRAMMATICAL

All necessary changes required to make the provisions of this Agreement apply in the plural sense where necessary will in all instances be construed.

9.0 HEADINGS

The descriptive headings of the paragraphs and subparagraphs hereof are inserted for convenience only and do not constitute a part of this Agreement.

10.0

COUNTERPARTS

This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which shall constitute but one instrument.

IN WITNESS WHEREOF the parties hereto have executed this Agreement as of the date and year first above written.


SIGNED on behalf of HER
MAJESTY THE QUEEN IN RIGHT
OF THE PROVINCE OF BRITISH
COLUMBIA by the Minister
of Energy, Mines and Petroleum
in the presence of:

Witness

THE CORPORATE SEAL OF INLAND
NATURAL GAS CO. LTD. was
hereunto affixed in the
presence of:

Authorized Signatory

Authorized Signatory


Minister of Energy,
Mines and Petroleum
Resources

C/S

SCHEDULE A

INLAND NATURAL GAS CO. LTD.

**ACQUISITION OF B.C. GAS INC.
PROPOSED FINANCING PROGRAM 1988 - 1993**

	<u>Short-term Debt</u>	<u>Vendor Debt</u>	<u>Long-Term Debt</u>	<u>Vendor Equity</u>	<u>Preferred Shares</u>	<u>Common Equity</u>
<u>1988</u> July	\$ 25					
October	175	\$300		\$150		\$ 75
<u>1989</u> April	(100)				\$100 ⁽¹⁾	
<u>1990</u> October		(75)	\$ 75			
<u>1991</u> October		(75)	75	(150)		(150)
<u>1992</u> October		(75)	75			
<u>1993</u> October	_____	<u>(75)</u>	<u>75</u>	_____	_____	_____
	<u>\$100</u>	<u>\$ -</u>	<u>\$300</u>	<u>\$ -</u>	<u>\$100</u>	<u>\$225</u>

(1) The Preferred Shares may be issued in two tranches:

\$50 million on or about July 30, 1989, and
\$50 million no later than March 31, 1990.

SCHEDULE "B"

"CONFIDENTIAL"

SCHEDULE "C"

"CONFIDENTIAL"

DATED: the 29th day of September, 1988

BETWEEN:

HER MAJESTY THE QUEEN IN RIGHT OF THE
PROVINCE OF BRITISH COLUMBIA

AND:

INLAND NATURAL GAS CO. LTD.

AGREEMENT

OWEN, BIRD
P.O. Box 49130
Three Bentall Centre
2800 - 595 Burrard Street
Vancouver, B.C.
V7X 1J5

(Tel: 688-0401)

WPD-H/MG/8-2

File No. 1166/9



Province of
British Columbia

OFFICE OF THE
DEPUTY MINISTER

Ministry of
Energy, Mines and
Petroleum Resources

Parliament Buildings
Victoria
British Columbia
V8V 1X4

NOV 21 1988

COPY TO: D.M. Masuhara
C.I. Kleven
D.C. Fairbairn
C.B. Johnson

November 17, 1988

Mr. Patrick D. Lloyd
Senior Vice-President
and Secretary
Inland Natural Gas Co. Ltd.
P.O. Box 12503
1066 West Hastings Street
Vancouver, British Columbia
V6E 3G3

Dear Mr. Lloyd:

INLAND NATURAL GAS CO. LTD. (INLAND) RATE AGREEMENT

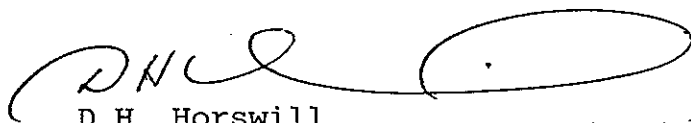
Reference is made to the Rate Agreement as of September 29, 1988, between Her Majesty the Queen in Right of the Province of British Columbia, represented by the Minister of Energy, Mines and Petroleum Resources (of the first part) and Inland Natural Gas Co. Ltd., Columbia Natural Gas Limited (Columbia) and Fort Nelson Gas Ltd. (Fort Nelson Gas) (of the second part). Section 5.01 of that Agreement provides that during the period until the end of September, 1991, no changes in the presently existing rates of Inland, Columbia or Fort Nelson Gas other than those described in Sections 4.01 and 4.02 shall be made.

For greater clarity, I write to confirm that the word "rates" in Section 5.01 is a reference only to the prices contained in the tariffs and schedules of Inland, Columbia and Fort Nelson Gas and it is not and was not the intention of the parties to the Agreement that the word "rates" should encompass tariff wording other than price. Furthermore, it is not and was not the intention of the parties to the Agreement to preclude the filing by Inland, Columbia and Fort Nelson Gas of new tariffs that may be determined to be in the public interest and were not contemplated by Section 5.01 of the Agreement.

Mr. Patrick D. Lloyd
November 17, 1988
Page 2

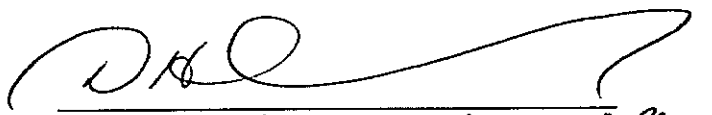
Would you please confirm that your understanding is
as set out in this letter.

Yours sincerely,

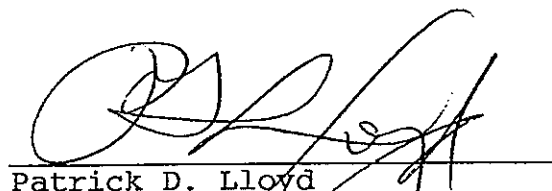


D.H. Horswill
Deputy Minister

I hereby confirm the understanding
set out above.



Minister of Energy, Mines and *per.*
Petroleum Resources



Patrick D. Lloyd
Senior Vice-President
and Secretary
Inland Natural Gas Co. Ltd.
Columbia Natural Gas Limited
Fort Nelson Gas Ltd.

RATE AGREEMENT

THIS AGREEMENT made as of the 29th day of September, 1988

BETWEEN:

HER MAJESTY THE QUEEN IN RIGHT OF THE PROVINCE OF
BRITISH COLUMBIA, represented by the Minister of Energy,
Mines and Petroleum Resources

(the "Province")

OF THE FIRST PART

AND:

INLAND NATURAL GAS CO. LTD., ("Inland"), a body
corporate under the laws of the Province of British
Columbia, COLUMBIA NATURAL GAS LIMITED, ("Columbia"), a
body corporate under the laws of the Province of British
Columbia; and FORT NELSON GAS LTD., ("Fort Nelson Gas"),
a body corporate under the laws of the Province of
British Columbia

(jointly the "Utilities")

OF THE SECOND PART

W H E R E A S :

- A. The Province owns all of the issued and outstanding shares (the "Shares") of B.C. Gas Inc. ("B.C. Gas");
- B. By agreement made as of July 20, 1988, the Province agreed to sell and Inland agreed to purchase the Shares from the Province.
- C. Columbia and Fort Nelson Gas are subsidiaries of Inland;

D. As part of its proposal to purchase the Shares from the Province Inland offered to limit changes in the rates paid for natural gas by customers of the Utilities to changes arising from changes in expenses, over which the Utilities have no effective control, and changes associated with Decisions of the British Columbia Utilities Commission ("Commission") previously made; subject to the rates not being altered by or on the application or complaint of any person;

E. The Province wishes to ensure that the changes in the rates paid for natural gas by customers of the Utilities are so limited.

NOW THEREFORE, in consideration of the premises and mutual covenants and agreements contained herein, the parties hereto represent, warrant, covenant and agree as follows:

1.0 DEFINITIONS

(a) "Act" means the Utilities Commission Act;

(b) "Minister" means the Minister of Energy, Mines and Petroleum Resources.

2.0 NOTICE REQUIREMENTS

2.01 The Utilities shall promptly give written notice to the Minister of any changes in

- (a) natural gas commodity purchase prices,
- (b) the tolls, approved by the National Energy Board, of Westcoast Energy Inc. and of Alberta Natural Gas Company Ltd.,
- (c) the amounts payable by the Utilities to Westcoast Energy Inc. arising from
 - (i) changes in contract demand that are caused other than by variations in number of customers or in customer consumption of natural gas and that are the result of
 - (A) changes in the supply of peaking gas available to the Utilities, or
 - (B) the movement of customers from a sales contract basis to a service contract basis and vice versa, or
 - (ii) changed usage by the Utilities of interruptible natural gas that is caused other than by variations

in number of customers or customer consumption of
natural gas,

- (d) the rate of, or method of calculating, any real property taxes payable by the Utilities to competent taxing authorities;
- (e) the rate of any tax payable by B.C. Gas under section 407 of the Municipal Act,
- (f) the rate of any municipal franchise fees payable by the Utilities,
- (g) the rate of federal and Provincial income tax (including surcharges) applicable to utility operations;

2.02 Inland shall give written notice to the Minister monthly of any changes in the weighted monthly average rate of interest payable by Inland on debt for a term of less than one year that is associated with utility operations.

2.03 The Utilities shall promptly give written notice to the Minister of any payment by the Utilities of fees, levies and

other charges as recovery of expenses of the government or of the Commission arising out of the administration of the Act, as described in section 140(1.1) of the Act.

3.0 DEFERRAL ACCOUNTS

3.01 The Utilities shall establish or maintain deferral accounts that record and reflect

- (a) the changes described in 2.01(a) to (f), and the impact on the Utilities of those changes,
- (b) the fees, levies and charges described in 2.03 that are paid by the Utilities, and impact on the Utilities of those charges,
- (c) the extent to which the federal and Provincial income tax expense (including surcharges) associated with utility operations that is actually incurred by the Utilities differs from that which they would have incurred if the average annual federal and Provincial income tax rates, (including surcharges) in each of the

years 1988, 1989, 1990 and 1991 were those set out below:

<u>Year</u>	<u>Federal</u>	<u>Provincial</u>	<u>Total</u>
1988	32.0%	14.0%	46.0%
1989	28.0%	14.0%	42.0%
1990	28.0%	14.0%	42.0%
1991	28.0%	14.0%	42.0%

3.02 Inland shall maintain a deferral account to record fluctuations in the interest rate associated with short term debt as provided for in the Commission's Decision dated August 6, 1987 and relating to Inland.

4.0 RATE SCHEDULES

4.01 The Utilities shall, at least annually or more frequently as directed by the Minister, in each of 1989, 1990 and 1991, file with the Minister new schedules of rates which reflect an amortization over 12 months of the aggregate amount recorded in the deferral account established or maintained pursuant to sections 3.01 and 3.02. The last schedule of rates so filed before September 30, 1991 shall reflect the rates of the Utilities that are to be effective September 30, 1991.

4.02 Inland and Columbia shall file with the Minister new schedules of rates reflecting the Decision of the Commission dated December 11, 1987 and relating to the rate design of

Inland and the Decision of the Commission dated May 17, 1988 and relating to the rate design of Columbia.

5.0 LIMITATION ON RATES

5.01 During the period until the end of September, 1991, no changes in the presently existing rates of Inland, Columbia or Fort Nelson Gas other than those described in sections 4.01 and 4.02 shall be made.

5.02 The Utilities shall file with the Minister the capital budgets of the Utilities and the information the Minister requires to monitor compliance with this Agreement.

6.0 NOTICES

Any notice or other communication provided for herein or given hereunder to a party hereto shall be in writing and shall be delivered by double registered mail, or in person to the individual listed below:

(a) to the Minister:

Minister of Energy, Mines and Petroleum Resources
Parliament Buildings,
Victoria, B.C.

(b) to Inland:

,23rd floor,
1066 West Hastings Street,
Vancouver, B.C.
V6E 3G3

Attention: President

or such other address with respect to a party as such party shall notify the other in writing as above provided. All notices shall be deemed made upon actual notification or mailing as provided for above, whichever shall occur earlier; provided, however, that notice by mailing shall not be deemed to have been made until delivered.

7.0 COMPLETE AGREEMENT

This Agreement and the schedules attached hereto contain the complete agreement between the parties hereto with respect to the transaction contemplated hereby and supersede all prior agreements and understandings among the parties with respect to such transactions. There are no restrictions, promises, representations, warranties, covenants, indemnities, or undertakings by the parties other than those expressly set forth in this Agreement and the Schedules. This Agreement may be amended, modified or terminated only by written instrument

signed by all parties hereto and subject to the requirements of the Privatization Act.

8.0 GOVERNING LAW

This Agreement shall be construed and enforced in accordance with the laws of the Province of British Columbia.

9.0 GRAMMATICAL

All necessary changes required to make the provisions of this Agreement apply in the plural sense where necessary will in all instances be construed.

10.0 HEADINGS

The descriptive headings of the paragraphs and subparagraphs hereof are inserted for convenience only and do not constitute a part of this Agreement.

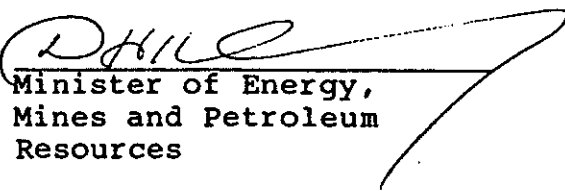
11.0 COUNTERPARTS

This Agreement may be executed in two or more counterparts, each of which shall be deemed an original but all of which shall constitute but one instrument.

IN WITNESS WHEREOF the parties hereto have executed this Agreement as of the date and year first above written.

SIGNED on behalf of HER
MAJESTY THE QUEEN IN RIGHT
OF THE PROVINCE OF BRITISH
COLUMBIA by the Minister of
Energy, Mines and Petroleum
Resources in the presence of:

Witness


Minister of Energy,
Mines and Petroleum
Resources

THE CORPORATE SEAL OF INLAND
NATURAL GAS CO. LTD. was
hereunto affixed in the
presence of:

Authorized Signatory

Authorized Signatory

c/s

THE CORPORATE SEAL OF COLUMBIA
NATURAL GAS LIMITED was
hereunto affixed in the
presence of:

Authorized Signatory

Authorized Signatory

c/s

THE CORPORATE SEAL OF FORT
NELSON GAS LTD. was hereunto
affixed in the presence of:

Authorized Signatory

Authorized Signatory

c/s

DATED: the 29th day of September, 1988.

BETWEEN:

HER MAJESTY THE QUEEN IN RIGHT
OF THE PROVINCE OF
BRITISH COLUMBIA

AND:

INLAND NATURAL GAS CO. LTD.,
COLUMBIA NATURAL GAS LIMITED,
and FORT NELSON GAS LTD.

RATE AGREEMENT

RUSSELL & DuMOULIN
Barristers and Solicitors
1700-1075 W. Georgia Street,
Vancouver, B.C.
V6E 3G2

Telephone: (604) 688-3411

Attachment 1.5

BC Gas Utility Ltd.

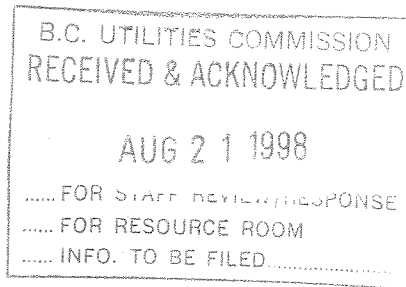
1111 West Georgia Street
Vancouver, British Columbia
Canada V6E 4M4

Tel (604) 443-6500
Fax (604) 443-6683

August 20, 1998

British Columbia Utilities Commission
6th Floor, 900 Howe Street
Vancouver, B.C.
V6Z 2N3

Attention: Mr. R.J. Pellatt
Commission Secretary



Dear Sirs:

Re: BC Gas Utility Ltd.
CPCN Application : Coastal Facilities Project - 1998

Attached are ten (10) copies of the BC Gas Application for a Certificate of Public Convenience and Necessity (a CPCN) pursuant to Section 51 of the Utilities Commission Act for the Coastal Facilities Project - 1998.

The Coastal Facilities Project - 1998 (the "Project") consists of operating buildings located at the Lochburn site in Burnaby, B.C. and at the Fraser Valley site in Surrey, B.C.

BC Gas applied to the Commission in March 1995 for approval to construct new building facilities in the Lower Mainland and received project approval in May 1995. Shortly thereafter, the Company commenced a major reorganization and the concepts behind the buildings application required reassessment. In June 1997, BC Gas requested and the BCUC approved a new study of facility needs which has led to this CPCN application. As part of BCUC Order No. G-65-97, the CPCN granted by Order No. C-6-95 was rescinded. In June 1998, after completing the study of facility needs, BC Gas had preliminary discussions with BCUC staff on the events since 1995 and the concepts behind the current application.

The Project is a refinement of our previous Coastal Facilities application which was approved by the Commission in 1995. A key theme of the Project is centralization through the creation of a main operating centre at the Fraser Valley site, while maintaining proper service coverage for the Metro Distribution system (i.e. the north side of the Fraser River) at the Lochburn site. The buildings are designed to provide adequate and safe facilities for the employees to render quality service to customers.



The increased focus at Fraser Valley has resulted in recommending a four floor office building. This will be the main centre of activity for existing operations, and may become even more central as BC Gas continues to reduce its dependence on BC Hydro. In addition, a reduction in presence at 1111 West Georgia is planned.

BC Gas also wishes to highlight the adoption of an innovative financing technique which should reduce customer rate impacts as a result of this Project. While the approach is unique to this application, it is hoped that the Commission will view this favourably as an indication of the Company's effort to approach issues from a broader perspective than the traditional regulatory approach.

If there are any questions on the attached CPCN application for the Coastal Facilities Project - 1998, please contact Laurie Gray, P.Eng. at 443-6896 or Dan Westbrook at 576-7023.

Yours very truly,

BC GAS UTILITY LTD.

Per:



for D.M. Masuhara

ALG/
Attachments

COASTAL FACILITIES PROJECT 1998

**APPLICATION FOR A
CERTIFICATE OF PUBLIC
CONVENIENCE & NECESSITY
PURSUANT TO SECTION 51
OF THE ACT**

B.C. UTILITIES COMMISSION
RECEIVED & ACKNOWLEDGED

AUG 21 1998

.....FOR STAFF REVIEW/RESPONSE
.....FOR RESOURCE ROOM
.....INFO. TO BE FILED.....



BC Gas

August 1998

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IN THE MATTER OF the *Utilities Commission Act*, S.B.C. 1980, C.60, (the "Act"), amendments made thereto and the Regulations made thereunder;

AND IN THE MATTER OF an Application by BC Gas Utility Ltd. ("BC Gas" or the "Company") for a Certificate of Public Convenience and Necessity pursuant to Section 51 of the Act.

To: The Secretary
British Columbia Utilities Commission
6th floor, 900 Howe Street
Box 250
Vancouver, B.C. V6Z 2N3

1. APPLICATION

1.1. Applicant

1.1.1. Name, Address and Nature of Business

BC Gas Utility Ltd. is a company incorporated under the laws of the Province of British Columbia. BC Gas maintains its principal office and place of business at 1111 West Georgia Street in the City of Vancouver in the Province of British Columbia, V6E 4M4.

BC Gas' primary business is to provide natural gas distribution services to over 730,000 residential, commercial, and industrial customers in British Columbia which represent over 90% of the natural gas customers in the Province. At this time no other persons will have a direct interest in the ownership or management of the Coastal Facilities Project (the "Project").

1.1.2. Financial and Technical Capacity of the Applicant

Financial. BC Gas is regulated as to the rates which it can charge for its services by the BCUC.

BC Gas has constructed projects within the Province and has the financial capacity to undertake them by means of borrowing and from funds internally generated from business operations. The credit ratings for BC Gas unsecured debentures from the Canadian and Dominion Bond Rating Services in Canada are B++ and A, respectively. BC Gas is capable of financing the Project.

Technical. BC Gas' service area extends across the Province and is one of the largest territories served by any natural gas distribution utility in North America. BC Gas is one of Canada's most experienced natural gas utilities having designed, constructed, and operated its system of integrated high-pressure and low-pressure pipelines since 1956 when natural gas became available for distribution in the Province. BC Gas and its affiliates operate more than 30,000 kilometres of transmission and distribution mains and service lines.

A Project team consisting of BC Gas employees, architectural, space planning, structural, electrical, mechanical, civil engineering and other consultants will design and manage construction of the facilities. The Project team will focus on operational and maintenance requirements, economies, efficiency, safety and the management of environmental impacts in consultation with persons and public bodies affected by the Project.

1.1.3. Name, Title and Address of Contact

Communications with respect to this application should be addressed to:

D.M. Masuhara
Vice President, Legal, Regulatory & Logistics
BC Gas Utility Ltd.
1111 West Georgia Street
Vancouver, British Columbia
V6E 4M4

Phone: (604) 443-6607
Facsimile: (604) 443-6904

1.1.4. Name, Title and Address of Legal Counsel

Legal counsel for this Application is:

S.M. Richards
Director, Legal Services
BC Gas Utility Ltd.
1111 West Georgia Street
Vancouver, British Columbia
V6E 4M4

Phone: (604) 443-6631
Facsimile: (604) 443-6789

2. EXECUTIVE SUMMARY

This application relates to the creation of a major Operations Centre and related buildings and facilities on the existing Fraser Valley site in Surrey, B.C., as well as a Field Operations Office and a consolidated Stores and Shops at a reduced presence on the Lochburn site in Burnaby, B.C.

The Project embodies the concept of a centralized Operations Centre located at the Fraser Valley site containing the majority of operating functions along with related support services, with a Field Operations Office and consolidated Stores and Shops located at the Lochburn site. Key buildings meet post-disaster design criteria to ensure continued operation on both sides of the Fraser River.

BC Gas applied to the Commission in March 1995 for approval to construct new building facilities in the Lower Mainland and received project approval in May 1995. Shortly thereafter, the Company commenced a major reorganization and the concepts behind the buildings application required reassessment. During 1996 and 1997, the coastal buildings were reviewed in conjunction with the changed organization and additional company restructuring. In June 1997, BC Gas requested and the BCUC approved a new study of facility needs which has led to this CPCN project application. In July 1997, the BCUC approved a 3-year rate settlement for BC Gas, which identified the Coastal Facilities as a special project. In June 1998, after assessing facility needs, BC Gas had preliminary discussions with BCUC staff on the concepts behind this project application.

The Company currently has three main office locations in the Lower Mainland. The head office is at BC Gas Centre which is located at 1111 West Georgia Street in Vancouver, the Lochburn office is at 3777 Lougheed Highway in Burnaby and the Fraser Valley office is at 16705 Fraser Highway in Surrey. The Lochburn and Fraser Valley sites are currently the two main operating facilities in the Lower Mainland.

In addition to these main offices, BC Gas occupies other facilities at temporary locations in the Lower Mainland: Commerce Court, Gilfax Stores, and Bainbridge Meter Shop. As well, there are fifteen muster stations throughout the Lower Mainland.

There are several matters driving this project. Structural deficiencies exist in two buildings at Lochburn and all current remaining buildings are inefficient and uneconomic to upgrade. Temporary trailers are in use but conditions are crowded and there are building code deficiencies. The structural deficiencies have made it necessary to make temporary moves into several leased facilities that are not suited for long-term use. In addition, preferred movements of staff as a result of the recent Company reorganizations cannot be fully implemented due to space restrictions at specific locations.

These are some of the reasons why this CPCN application is required and why, after project approval, construction will be undertaken as expeditiously as possible.

A site selection review was conducted to identify the best location for a consolidated operating facility in the Lower Mainland. A customer analysis demonstrated that future customer growth is in the Fraser Valley. Several potential sites were reviewed, including the existing Fraser Valley site, and evaluation criteria were developed. In applying the criteria, various sites were sequentially eliminated and the existing Fraser Valley site was ultimately selected as the main operating site, with a reduced presence at Lochburn.

The needs for building facilities were assessed and several criteria were developed. Post-disaster building construction was determined to be necessary in buildings with critical response functions, as BC Gas must be able to continue operations and maintenance in a disaster. It was determined the buildings should exceed anticipated future energy standards; facilitate productivity enhancements; and accommodate future changes in staff levels, work process upgrades, technology upgrades, exit and reduction strategies, and non-regulated business environments.

The creation of a central operating facility enhances the ability of BC Gas to provide quality service in an efficient and effective manner. The facility will allow consolidation of key operational groups along with key support groups. BC Gas is the provincially designated coordinator for natural gas during periods of emergency in its service area. The centralization in a post-disaster complex including gas load control, customer service and construction dispatch, transmission operations, automated mapping and facilities management functions, engineering services, lands, measurement services, along with support services such as human resources and information technologies, provides an added level of preparedness and responsiveness to meet operational and emergency requirements.

Further, the continued presence at a reduced Lochburn site with an operating group and a Machine Shop/Stores facility will continue to be responsive to the service area north of the Fraser River where the distribution system is comprised of a larger amount of steel pipe, rather than the predominantly plastic pipe used for current additions to the system, and which could be isolated in an emergency.

Prior Project information is being utilized in the current Project. Meter Shop process flow and floor layout studies were used to plan the new facility. The Stores Facility Study formed the basis for the proposed Stores and Shops facility. Site development work previously conducted at the Lochburn and Fraser Valley sites assisted in the current site selection and placement of buildings on the two sites. Environmental testing conducted at Lochburn will be used in the sale of surplus land.

The anticipated results of this project will be enhanced service to customers through greater centralization of operations, improved post-disaster response and business resumption, and improved flexibility for future changes in organization and technology. Other benefits will be savings from eliminated leases at Commerce Court, Bainbridge, Gilfax and reduced lease costs at 1111 West Georgia.

The new Fraser Valley buildings will house an Operations Centre, a Multi-Use Building, a Meter Shop and a satellite Stores building. A new combined Central Stores and Shops building and a Field Operations Office will be constructed at Lochburn.

The preliminary estimate of project cost is:

Total Direct Capital Cost	\$62.6 MM
Estimated proceeds of partial Lochburn sale	<u>(7.6 MM)</u>
Net project cost	<u>\$55.0 MM</u>

To address the serious safety concerns posed by the structural deficiencies, BC Gas relocated all affected employees to leased temporary facilities. The relocation plan and costs were submitted to the BCUC and were approved by Commission Order No. C-6-95. These costs are being amortized over a 5 year period which commenced in 1996. Due to organizational changes and the subsequent delay in starting the Project, these costs have exceeded their original three year term and will now conclude in early 2000. These leased facilities were arranged on a temporary basis and are not suited for long-term use. In addition, the temporary increase in decentralization of employees and functions is causing organizational inefficiencies.

The construction of the new facilities and sale of land requires that most of the structures must be demolished. The buildings which are to be demolished have not yet been fully depreciated and, therefore, a loss on disposal is expected. The loss is expected to be mitigated by a gain on the sale of land, as the current market value is in excess of book value. BC Gas hereby requests that the rate base portion of the loss on demolition be deferred as an "Extraordinary Plant Loss" and amortized over five years, in a manner similar to the Lochburn demolition and abandonment costs approved in the 1996-1997 and 1998-2000 ADR settlements, and as originally approved by the Commission in Order No. C-6-95.

Three alternative methods of financing the Project were examined: Own, Sale-Leaseback and Synthetic Lease. A Sale-Leaseback would be financed with a pension fund or other third party, or would be based on the utility capital structure with ownership remaining with the Company. A Synthetic Lease would have the company retain ownership of the land and lease the buildings with the option of Company ownership at the end of the lease term. The analysis indicates that, of the three options, a Synthetic Lease is more beneficial to the customer and is endorsed by the Company.

3. BACKGROUND

3.1. Existing Lower Mainland Facilities

BC Gas currently operates three major facilities in the Lower Mainland: a corporate head office and two operating facilities. The head office is located in the BC Gas Centre at 1111 West Georgia Street in Vancouver. Located there are the Executive Offices, Engineering, Information and Communication Technology, Gas Supply, Transportation and Marketing, Controllers Department, Human Resources and Legal, Regulatory & Logistics departments.

The main operating facilities for the Lower Mainland are known as the Lochburn office and the Fraser Valley office. The Lochburn site is located at 3777 Lougheed Highway in Burnaby at the intersection of Lougheed Highway and Boundary Road. Located there are the Company's machine and welding shops, instrumentation shop, chemist lab, meter prefabrication shop, and Horne Payne building (this is a multi-use facility i.e. training, vehicle outfitting, salvage shop, and regulator maintenance). Also located on the site are pipe storage, a muster point and storage sheds. The Meter Shop and Central Stores were previously located at Lochburn but have been relocated to leased temporary facilities. The Fraser Valley site is located at 16705 Fraser Highway in Surrey at the intersection of 168th Street and the Fraser Highway. In addition to an operating facility (the majority of which was built in 1959), the site currently contains a satellite stores and a shop.

The two operating facilities are supported by fifteen muster points. Musters are field offices used by Distribution Services and Customer Service staff which are strategically located throughout the Lower Mainland. Each are proximate to major arterial routes to allow BC Gas to maintain emergency response times of approximately 15 minutes. Assigned staff report to muster points daily for pick-up of supplies and vehicles. Originally built in the 1970's, a number of musters have been upgraded in the last five years and plans are in place to upgrade the remainder.

A map of the Lower Mainland is included under Appendix A.

3.1.1. Head Office - 1111 West Georgia, Vancouver

BC Gas currently leases 150,000 square feet in the BC Gas Centre building. The Executive Offices, Engineering, Information and Communication Technology, Gas Supply, Transportation and Marketing, Controllers Department, Human Resources and Legal, Regulatory & Logistics departments currently occupy ten floors. The existing lease expires on February 28, 2013, although BC Gas has the right to terminate the lease after February 28, 2003.

3.1.2. Lochburn - 3777 Lougheed Highway, Burnaby

Lochburn site is 19.7 acres in size with approximately 151,000 square feet of improvements. Approximately 30% of the site is encumbered by BC Hydro rights-of-way. The existing facilities were constructed in the mid 1950's. Two of the buildings have structural deficiencies, originally reported to the Commission in 1992, which are now vacant for this reason: the 'West' building and, directly east of it, the 'Central Stores/Office Complex'.

BC Gas is not aware of any contaminated soils on this site, but has included an allowance of approximately \$0.65 million for demolition of buildings plus analysis and restoration of soil, if necessary.

A photo of the site is included under Appendix B.

3.1.3. Fraser Valley - 16705 Fraser Highway, Surrey

The Fraser Valley site is 16.76 acres in size with approximately 35,000 square feet of improvements. Most of the existing facilities were constructed in 1959. About 25% of the site, along the northern boundary, has been restricted to park-like uses by Fisheries and Oceans Canada to protect marine life in an adjacent stream. In addition to the permanent buildings, a number of temporary construction trailers were installed in 1981, 1994 and 1997 to relieve serious overcrowding conditions. The 1981 trailers provide substandard office conditions as they have deteriorated and are in violation of the Surrey municipal by-laws. The 1994 trailer is overcrowded. The 1997 trailer was only granted a two year variance from the City of Surrey to coincide with the new facilities to be built.

BC Gas is not aware of any contaminated soils on this site.

A photo of the site is included under Appendix C.

3.1.4. Commerce Court - 4180 Lougheed Highway, Burnaby

BC Gas currently leases 29,225 square feet on three floors in Commerce Court, an office facility in Burnaby.

3.1.5. Gilfax Central Stores - 4121 Halifax Street (at Gilmore), Burnaby

BC Gas currently leases 28,277 square feet in Gilfax, a warehouse facility which is used as Central Stores. This facility has been leased since 1994 on a temporary basis.

3.1.6. Bainbridge Meter Shop - 3686 Bainbridge Avenue, Burnaby

BC Gas currently leases 23,600 square feet in Bainbridge, a warehouse facility which is used as a Meter Shop. This facility has been leased since 1995 on a temporary basis.

3.2. Problems With Existing Facilities

3.2.1. Lochburn

Two structures at Lochburn have structural deficiencies which resulted from an original design error. The first structure is the 'West' building which housed employees from the Meter Shop and the operations group. The other structure is the 'Central Stores/Office Complex'. The deficiency is in the pilecaps of the two structures which are constructed in such a way as to not meet Building Code Life Safety Requirements.

Because of the serious safety concerns posed by these structural deficiencies, BC Gas has relocated all affected employees to leased temporary facilities.

On January 7, 1994, BC Gas submitted a letter to the BCUC regarding Relocation Plans and Relocation Costs. On January 18, 1994, the BCUC approved BC Gas' Relocation Plans. In Commission Order No. C-6-95, the Commission ordered these costs to be amortized over a five year period commencing in 1996. Discussions were held with the Commission regarding the delay in the start of the project. Costs have continued to accumulate in the deferral account and are expected to stop in Year 2000 when the new facilities are completed.

3.2.2. Fraser Valley

The Fraser Valley operating facility is seriously overcrowded. Trailers were installed in 1981 to relieve this condition which has become steadily worse since that time. The trailers provide substandard office conditions as they have deteriorated and are in violation of the Surrey municipal by-laws. An additional trailer was installed in early 1994 to provide badly needed additional space although the overcrowded conditions continue to exist. The 1981 trailers are in poor condition and the office environment is substandard. The latest trailer to be installed in December 1997 is approved for only two years.

3.2.3. Gilfax Central Stores - 4121 Halifax Street (at Gilmore), Burnaby

BC Gas currently leases the Gilfax warehouse facility which is used as Central Stores. This facility has been leased since 1995 on a temporary basis. The move out of the 'Central Stores/Office Complex' at Lochburn was due to the serious safety concerns posed by structural deficiencies and location.

3.2.4. Bainbridge Meter Shop - 3686 Bainbridge Avenue, Burnaby

BC Gas currently leases the Bainbridge warehouse facility which is used as a Meter Shop. This facility has been leased since 1995 on a temporary basis. The move out of the 'Meter Shop' at Lochburn was due to the serious safety concerns posed by structural deficiencies.

3.3. List of Events

- On March 21, 1995, BC Gas submitted a CPCN application to construct new coastal facilities.
- On May 25, 1995, the Commission issued Order No. C-6-95 which granted a CPCN to BC Gas to construct its Coastal Facilities Project and to amortize the relocation costs over five years.
- The project was subsequently put on hold by BC Gas to take into consideration the impact of a major company-wide reorganization.
- In the ensuing period, BC Gas developed a conceptual facilities plan which addressed the long term requirements of the Company's business groups.
- On June 3, 1997, BC Gas filed for Commission approval an application for a deferral account to record expenditures required to develop cost estimates for the revised Coastal Facilities Project.
- On June 12, 1997, the Commission issued Order No. G-65-97 which rescinded BCUC Order C-6-95 and approved the deferral account to record expenditures required to develop cost estimates for a revised Coastal Facilities Project in accordance with the application.
- On July 23, 1997, the Commission issued Order No. G-85-97 approving a 3-year negotiated settlement of BC Gas' revenue requirements covering the period 1998 to 2000 in which the Coastal Facilities project was identified as a potential CPCN.
- In June 1998, preliminary discussions were held with BCUC staff regarding the concept of a centralized operating centre.

4. PROJECT ASSESSMENT

4.1. Scope

The scope of this application covers the integrated facility requirements for the Lower Mainland region of the BC Gas service area. It addresses the head office, the two current operating facilities at Lochburn and Fraser Valley, the fifteen muster points located throughout the Lower Mainland and the temporary leased facilities.

A long-term planning window has been used to determine the facility needs and to minimize related capital expenditures. This eliminates the need to respond to short-term needs through facility additions or changes, which often result in poorly integrated facilities and higher overall capital costs.

The objectives of this review are:

- To rationalize facilities against long term operating requirements;
- To ensure the most cost-effective sizing and placement of individual work groups in order to maximize operating efficiencies of the Lower Mainland facilities over the long term; and
- To ensure the least-cost long term facilities plan which maintains maximum operating efficiencies over the long term.

4.2. Operational Requirements

In order to ensure public safety through timely emergency response, an operational presence is required on both sides of the Fraser River. While the main Operations facility will be at the existing Fraser Valley site (16705 Fraser Highway), a small Field Operations Office will be located at the current Lochburn site (3777 Lougheed Highway). The Lochburn Field Operations Office will act as a muster point facility for field crews as well as provide minimal administrative and planning support functions. The Lochburn facility is planned to also provide backup to the primary Gas Load Control and Field Dispatch functions in Fraser Valley in the event of equipment failure, major emergencies or a disaster response scenario.

4.3. Facilities Requirements

Current and projected facilities requirements were assessed. Work group affinities, space requirements and location assessments were examined.

In determining the operational space requirements of each department, a planning window of five years from the anticipated move-in date was used. This is a reasonable planning period and allows identification of anticipated changes in organizational structure, technology and business practices or operations.

Operational factors considered for each department include:

- Operations and facilities plans should fit with the Company's organizational structure;
- Facility plans should ensure an effective flow of communications information and procedures so employees can be effective and productive in their work;
- The facility plan's quality and its impact on operations should be controlled (i.e. affinity relationships should be maintained);
- Operations problems and costs should be minimized; and
- Positive working conditions should be maintained to maximize employee productivity.

4.3.1. Field Operations Requirements

Interviews with line management from each affected work group were held to determine their operational affinities, and current or future plans to change work methods, technologies or lines of service which may impact facility requirements. After a series of meetings, the operating departments recommended that facilities must meet the following requirements:

- Two facilities, an Operations Centre and Field Operations Office are required for the Lower Mainland area. These facilities service the regional system infrastructure, and should be readily accessible. Placing these facilities on opposite sides of the Fraser River increases the likelihood that at least one facility will remain operational and accessible in the event of a disaster;
- The two operating facilities must continue to provide good access to major transportation routes to facilitate the dispatch of field personnel and materials in a timely fashion to ensure efficient operations on a daily basis and during a gas related emergency; and
- Many work groups in each of the three current offices have a very high level of operational affinity to each other and as such must be consolidated at one site.

4.3.2. Operating Strategies

For strategic purposes it was determined that operational support capabilities located near main vehicle arteries and on opposite sides of the Fraser River are required. This will ensure service to both geographical areas ("Metro" and "Fraser Valley") in the event bridge access across the river is interrupted and will also provide backup protection should one facility become inaccessible or be temporarily closed.

The objective of keeping the cost of daily operational requirements to a minimum is of prime importance. Also, it is essential that response time to gas emergency incidents be minimized for customer safety. Within the Lower Mainland, these criteria have been achieved by supplementing the two operating facilities with the use of muster points. While the use of muster points reduces travel time, two operating sites provide the most efficient concentration of support and administrative staff, equipment, and storage, to service the customers on both sides of the Fraser River on a daily basis as well as under emergency response conditions.

4.3.3. Stores and Shops Requirements

Coastal Stores are presently comprised of two facilities: Central Stores and a Satellite Store. Central Stores, temporarily relocated from its Lochburn location, serves as a central warehouse and distribution facility for both the Lower Mainland and the Interior. A small satellite store at the Fraser Valley operations site currently houses emergency equipment and materials to ensure a timely response on both sides of the Fraser River during a major emergency or disaster.

In assessing the requirements for Stores facilities, the following operating requirements were identified:

- Central Stores must be near the pipeyard, as the same staff are responsible for manning both facilities. Separating these two facilities would detrimentally affect operational efficiencies,
- Central Stores facilities should be near customers, users and suppliers to minimize travel time and delivery costs of material and supplies,
- Central Stores should be designed to allow flexibility for future expansion to accommodate inventory requirements of new business ventures,
- Two store operations, one as a central stores and one as a satellite store, should be maintained.

Until it was recently relocated, Central Stores was located in one of the structurally deficient buildings at Lochburn and therefore that building must be replaced. An opportunity exists to improve operational efficiencies at the same time and synergies have been identified by combining Central Stores with the Lochburn Shop. Those synergies from the perspective of Central Stores are as follows:

- Shared shipping and receiving functions, i.e. the current receiving and shipping process at one of the shops will be eliminated.
- Shared facilities, e.g. fork lifts, garbage pick up, meeting rooms, training rooms, lunch rooms, bathrooms, security systems, etc.
- Elimination of transportation charges in moving inventory items from stores to shops, and finished products from shops to stores.
- Coordination of deliveries of items from stores and equipment/fabrications from shops i.e. all located on one truck at the same time.
- Stores will introduce a tracking system for all BC Gas equipment and will inventory all "usable" equipment in Stores, i.e. Shops will no longer need people doing jobs other than trades work.
- Stores will inventory Shops finished products including meter set fabrications.
- Elimination of Shops inventory of finished products, including meter set fabrications, which is currently done by Shops.
- Elimination of all other inventory currently in Shops. A counter service for Shops would be introduced, and floor space in Shops will be freed up resulting in a smaller expansion of the welding shop than would otherwise be the case.
- Sharing of workers to accommodate peak work loads.
- Pipe yard to be located alongside Stores/Shops giving better control of pipe stock, rather than remote as currently operated.

The temporary Central Stores distribution facility is located at 4121 Halifax Street ("Gilfax" at Gilmore in Burnaby), approximately 1 km. away from the machine and welding shops at Lochburn. In 1994 the Central Stores was moved to this temporary location because the existing buildings at Lochburn were deemed to be unsafe. This temporary stores facility is leased by BC Gas and the upper floor of the building is leased to several other industrial/commercial operations including BC Gas. BC Gas occupies the entire ground floor.

Central Stores and Shops have identified synergies if the two operations were located adjacent to each other. These include sharing shop equipment, sharing workers during peak work loads, better coordination of delivery system to work sites and enhanced inventory control.

The Shops are best located at the Lochburn site (rather than the Fraser Valley site) for the following reasons:

- For welding requirements, the ratio of Metro to Fraser Valley is 3 to 1.
- For fabricated meter set activity, ratio of Metro to Fraser Valley is 2 to 1.
- System alteration and maintenance are more significant on the Metro steel distribution system. This requires greater support from the Metro Shops for pressure control equipment and mobile welding services.
- The Lochburn site is strategically located with adjacent freeway access and easy accessibility to the downtown core, the North Shore, Richmond, Coquitlam and New Westminster. This significantly reduces response time.

4.4. Meter Shop

BC Gas currently operates two meter shops - one in Penticton, and one in the Lower Mainland. The Lower Mainland shop is located in temporary facilities in Burnaby after being relocated from the second floor of the Lochburn 'West' building which is structurally deficient. The meter shops are responsible for repairing and reconditioning meters, as well as testing and certifying all meters installed in the system.

After an assessment of the meter shops, the least-cost alternative was to retain both shops and maintain an in-house manufacturing operation with substantially re-engineered process, production and inventory controls.

The temporary facility has several operational problems which does not make it suitable for a long term solution. Some of the major problems are:

- Restrictions on building modifications and upgrades make it difficult to impossible to address changes in processes and technologies.
- Lack of space for instrument repair and calibration servicing.
- Lack of storage due to zoning restrictions.
- No expansion capability.
- Poor transportation access to site and limited grade level access for deliveries and shipping.
- Poor site and building security, including parking and building access.
- The climate-controlled power room mechanical system is inadequate during summer months.

A search revealed that there are no existing facilities available for lease that combine the size, format, location and flexibility required for BC Gas' specialized needs. Also, the cost to acquire new land was considered to be too high. It was therefore determined that the best solution is to build a new facility on an existing BC Gas owned property.

There are two sites owned by BC Gas that are large enough to incorporate the new Meter Shop (alternatively called the Measurement Facility): Fraser Valley and Lochburn. The Fraser Valley Site is preferred for the following reasons:

- The majority of growth is in this region. Customer needs can be better served by a facility located in close proximity.
- Building costs are lower because the Lochburn site requires significant additional site conditioning (piles) due to soil conditions.

4.5. Training

Existing training facilities are functionally inadequate to meet the existing and projected future needs of the Company. At present, trades and systems training facilities are located throughout operating centres, offices and other facilities including Lochburn, Fraser Valley and Abbotsford muster. Poor layout and configuration of the rooms, poor ventilation and temperature controls, combined with an overall lack of space are problems encountered by the users of the rooms. Non-trades courses are often presented in rented space due to a lack of in-house facilities.

The total training over the past 5 years has remained reasonably constant at about 6,000 person-days annually. The focus of training has shifted to reflect increased demand for mandatory training due to legislation (e.g. environmental spills, violence in the workplace), management best practices (e.g. utilizing more sophisticated systems), as well as recognition by the Company of the need for ongoing training to ensure a skilled and productive work force. Eighty-five percent of company training occurs in the Lower Mainland and current facilities are simply unable to deliver this volume of training effectively.

The possibility of leasing or sharing training facilities and resources was explored with BC Tel, BC Hydro and BCIT. Some training synergies were identified, but they do not offer any long term solutions. The best that might emerge from such a partnership is a kind of training hybrid that would lead to increased fragmentation and decentralization of training programs. This would seriously compromise the desire to consolidate administration and coordination of training at BC Gas. Direct costs of training also increase in proportion to the number of external instructors and facilities used. In addition to Training Department requirements, several other groups identified affinities with training / lab activities. Instrument and Communication Services (ICS), the gas lab, appliance testing lab and the facilities workshop will also be housed in the Multi-Use Facility.

4.6. Floor Space Requirements

4.6.1. Introduction

A planning window of five years from the anticipated move-in date is a common standard for determining building space requirements. A projection of employee growth to Year 2004 was developed by line management, then reviewed and endorsed by senior management. These projections were then applied against Company space standards and combined with non-standard areas such as the cafeteria and general circulation requirements to develop total net usable square footage required for the various facilities. Net usable square footage areas exclude mechanical rooms, restrooms and stairs.

Space requirements for Central Stores/Shops, Meter Shop and the Multi-Use Facility have been developed with input from consultants and operating staff.

Note that the original projections were based on a 3 storey Operations Building at the Fraser Valley site. Subsequent events identified the viability of adding an additional floor (39,200 net useable square feet) which will accommodate approximately 145 additional staff.

Coastal Facilities Project - 1998

Table 1 is a forecast of employee growth to the year 2004 which was used to develop the space requirements for the Fraser Valley operating facility. Office space for employees working in the Multi-Use Facility, Central Stores/Shops and Meter Shop have been provided in their respective facility. Although there are minor variations shown in various departments, employee projections are flat - no increase in employees is anticipated in the foreseeable future.

Table 1

Employee Projections								
	1997	YEAR 2004						
Department	Total	Op'ns. Bldg.	MUF¹	Meter Shop	Super Muster	Store/Shop	Total	Increase/ (Decr.)
Human Resources	28	7	19	0	2	0	28	0
Gas Supply	21	24	0	0	0	0	24	3
Technical Services	199	116	12	53	8	16	205	6
Operations Accounting	39	52	0	0	0	0	52	13
Distribution Services	163	120	2	0	13	0	135	(28)
Customer Services	60	53	0	0	0	0	53	(7)
Information Technology	12	17	0	0	0	1	18	6
Health and Safety	6	6	0	0	0	0	6	0
Additional ²	145	145	0	0	0	0	145	0
TOTAL	673	540	33	53	23	17	666	(7)
¹ Multi-Use Facility contains office space for Training, Instrument and Communication Services (ICS), Gas Lab, Appliance Testing Lab and training rooms. ² An additional 145 staff can be accommodated on the 4th floor of the Operations Building.								

Table 2 is a summary of current and forecast space requirements for the work groups included in the Project. These figures for Fraser Valley and Lochburn are net useable areas which exclude areas for mechanical rooms, restrooms, and stairs.

Table 2 demonstrates that additional common space of 56,864 square feet represents the majority (i.e. 76%) of total additional space of 75,309 square feet. Current facilities do not provide sufficient common space.

Table 2

Space Requirements				
Proposed Location	Work Group¹	Square Feet		
		Current Space	Required Space	Change
Fraser Valley	Human Resources	2,750	4,669	1,919
	Gas Supply	3,620	5,453	1,833
	Technical Services ²	54,513	65,638	11,125
	Operations Accounting	5,354	8,532	3,178
	Distribution Services	19,951	22,189	2,238
	Customer Services	8,365	8,341	(24)
	Information Technology	2,255	3,361	1,106
	Health/Safety	840	1,031	191
	Additional Floor	42,550	39,200	(3,350)
	Subtotal	140,198	158,414	18,216
Lochburn	Other	1,770	1,940	170
	Shops & Stores	57,700	58,060	360
	Distribution Services	2,660	2,359	(301)
	Subtotal	62,130	62,359	229
Common Areas ³	Operations Centre	6,973	36,743	29,770
	Multi-Use Facility	-	19,712	19,712
	Meter Shop	3,156	4,193	1,037
	Field Operations Office	-	5,586	5,586
	Stores	711	1,470	759
	Subtotal	10,840	67,704	56,864
Total Space Requirements		213,168	288,477	75,309

¹ Current space allocations are provided as space information only. All or a portion of the work group may be located at a site different than that shown in this chart.

² Technical Services includes Engineering, Lands,, Meter Shop and Fleet Services.

³ Common areas include meeting rooms, circulation (e.g. hallways), cafeteria, first aid rooms, reception areas, service rooms, etc. Note that an open floor plan concept with no enclosed offices has increased meeting room space compared to conventional floor plans.

4.6.2. Post Disaster Requirements

BC Gas distributes a product which is essential to its many customers on a daily basis. An interruption in supply could result in discomfort, inconvenience and economic hardship. In addition, natural gas can be dangerous when mishandled. In the event of a disaster such as an earthquake or other catastrophic occurrence, BC Gas must be able to handle resulting emergencies and repairs in an expeditious and timely manner.

Accordingly, certain BC Gas facilities must be operable and accessible at all times and built to post disaster standards. Facilities which must meet post disaster requirements include:

- Fraser Valley Operating Facility. This facility contains primary dispatch and gas load control functions, and is the communications hub for the Company.
- Lochburn Field Operations Office. This facility contains the backup facility for the gas load control and dispatch.

The incremental cost to build new facilities to post disaster standards is in the range of 2% to 3% of total construction costs. Modification of existing facilities to meet post-disaster standards is not practical in most cases.

4.6.3. Head Office Review

The head office lease was reviewed to identify the terms and conditions for surrendering floor space. The following are selected lease highlights:

- The existing head office lease with Manufacturer's Life Insurance (Manulife) is for a 20 year term expiring on February 28, 2013.
- BC Gas has the right to terminate the entire lease agreement (upon 18 months written notice) on February 28, 2003 or at any time after February 28, 2007.
- In addition, BC Gas has the right (upon 12 months written notice) to surrender after March 1, 1998 up to two full floors (not including either the 2nd or 24th floors).
- If the 2nd or 24th floor is vacated, BC Gas would have to find another use for the vacated space and is obliged to continue making lease payments for this space.
- BC Gas may sublease up to 15% of its lease space (approximately 22,500 square feet) without the consent of the landlord.

This project incorporates a reduced presence at the head office location.

4.7. Adaptive Re-Use of Existing Facilities

Lochburn

The facilities on the Lochburn site which are affected by the Project include the East and West Office Blocks, Central Stores and Shops. Both the West Office Block and Central Stores are structurally unsound. The East Office Block and Shops require renovations to interior systems as well as an upgrade to the exterior and a minor seismic upgrade to the structure.

These Lochburn facilities occupy approximately eleven acres out of the total of 19.7 acres and front both the Lougheed Highway and Boundary Road. It is proposed to sell this land and as such no upgrade expenditures are budgeted for these facilities. An allowance of \$0.65 million has been included in the Project cost to allow for demolition of the buildings and site remediation.

The Horne Payne building will continue to be utilized and is not directly affected by the Project. It is situated on the BC Hydro right of way and will not be part of the land proposed for sale.

Fraser Valley

The existing Fraser Valley office would require extensive uneconomic upgrading and therefore will be demolished after staff has moved into the new office building. The existing shops building will be incorporated into the new Multi-Use Facility.

4.8. Schedule

A preliminary bar chart schedule for the Fraser Valley and Lochburn site activities is shown in Appendix D. The project duration is estimated to be about 20 months, from approval-to-proceed to move-in.

The revised schedules listing the completion dates for various activities are show below in Table 3. The Lochburn and Fraser Valley schedules are based on receiving approval from the BCUC by September 1, 1998.

Table 3

Estimated Completion Dates	
Schematic Design	November 1998
Detailed Design ¹	March 1999
Tender and Building Permit	May 1999
Construction completed	May 2000
Move In	July 2000
¹ Includes Design Development and Construction Documents.	

5. SITING

5.1. Siting and Facility Location Criteria

A series of criteria have been developed to evaluate potential sites for the two Operating Facilities. These criteria are:

- Operations must continue to be divided into the Metro and Fraser Valley regional operating facilities for day-to-day needs and overall operational requirements.
- The Fraser Valley site must accommodate a large central Operations facility which will house Engineering, Gas Load Control, a centralized automated mapping facilities management system, Human Resources, Dispatch, Service Centre, Customer Care, Planning, Distribution Operations, System Operations, Transmission Operations, etc.
- Future expansion flexibility should be accommodated in the Fraser Valley over Metro as this region has the largest expected growth in customer base.
- BC Gas must be close to its customer base. The facilities should serve their respective regional system infrastructure and should be readily accessible.
- Facilities must be operable and accessible at all times, especially in the event of a disaster. Critical support functions must be housed in facilities of post-disaster grade.
- BC Gas must provide provision for backup emergency protection should one facility become inaccessible or be temporarily closed.
- BC Gas must be located near major transportation routes to increase accessibility and minimize travel and response time to service and emergency calls.

After the Lochburn and Fraser Valley sites were selected, the following criteria were used to ensure the optimal placing of facilities between the two locations.

- Work group affinities should be maximized, and
- Site utilization should ensure flexibility for future expansion.

5.2. Siting and Facility Options

Internal discussions over the past several years confirm the strategic and day to day operational need for operating facilities located on each side of the Fraser River.

A Request For Proposal for a parcel of land on the south side of the Fraser River, to accommodate the Operations Building, Multi-Use Facility and Meter Shop, was issued in May 1997. The preferred location identified by Operations was Surrey, North Delta or Langley. Eleven sites were reviewed and evaluated based on factors affecting location, cost, timing and site characteristics. The existing Fraser Valley site was selected as the superior site.

The location of each facility at either the Lochburn or Fraser Valley site took into consideration operational affinities, future site flexibility and maximizing the potential of each site.

Lochburn

Lochburn remains a strategic location from which to provide the support required to safely operate and maintain the older predominantly steel distribution system in the Metro region. The Shops and Stores are centrally located to provide optimum support to the six area musters which house the field staff that construct, operate and maintain the system.

The new Field Operations Office will also be located on the site and will serve as a muster to field crews, as well as be a backup Gas Load Control and dispatch facility in the event of an equipment failure, major emergency or disaster.

Fraser Valley

The Operations Building, Multi-Use Facility, Meter Shop and small Satellite Stores facility are located at the Fraser Valley site.

The Operations Building is a four-storey facility located along the southern property line, parallel to the Fraser Highway. The Meter Shop is located along the eastern property line, with a separate truck access from 168th Street. The Multi-Use Facility is located along the northern edge of the developable portion of the site. A small satellite Stores building will be located in the northwest corner of the site.

This arrangement isolates the industrial traffic related to the Meter Shop, screens the outside training yard activities from the street and allows for a common green area to border all three facilities.

Future expansion is possible along the western portion of the site which will be used for surface parking at this time.

Other

No other sites are considered necessary at this time. The existing trailers and leases at other locations will be wound down after the new facilities are commissioned.

6. PROJECT COSTS

6.1. Capital Cost Estimates (1998 \$)

The facilities costs in this application are based on information provided by contractors and consultants including a local, long established building contractor, an architectural firm, and a real estate company. These companies are all actively engaged in their respective businesses in the Lower Mainland and have been for many years. They each have first-hand knowledge of the cost of equipment, supplies and labour. Their cost estimates are based on historical unit costs derived from prior work with municipalities and other institutional owners.

The project estimates are based on conventional building costs and certain assumptions regarding soil conditions. The soil conditions have been verified by on-site inspections, however, if conditions are encountered which are materially different, the cost estimates may be affected.

A preliminary estimate of the direct capital costs (excluding AFUDC and overhead capitalized) is shown in Table 4.

Table 4

Capital Cost Estimates (\$000s)			
	Lochburn	Fraser Valley	Total
Soft Costs	\$ 970	\$ 5,282	\$ 6,252
Furniture, Fixtures and Equipment	747	7,583	8,330
Construction - Facilities	7,216	33,644	40,860
Site Development	1,019	6,149	7,168
Total Direct Capital Costs¹	\$ 9,952	\$52,658	\$62,610
¹ AFUDC and capitalized overhead not included.			

A detailed breakdown of the capital costs are included in Appendix E.

6.2. Financial Overview

The revenue requirements were calculated over a 30 year period by utilizing a financial model and assumptions which are currently applicable to the Company. Three options were evaluated for financing the project: Own, Sale-Leaseback and Synthetic Lease. The ownership of each category of asset under the three scenarios is summarized as follows:

<u>Ownership</u>	<u>Equipment</u>	<u>Land</u>	<u>Buildings</u>
Own	BC Gas	BC Gas	BC Gas
Sale-Leaseback	BC Gas	Third Party	Third Party
Synthetic Lease	BC Gas	BC Gas	BC Gas optional

After consideration of the benefits and disadvantages of each alternative from both financial and operating perspectives, the Synthetic Lease option is recommended. A discussion of each of the options follows.

6.3. Own Option

The revenue requirements were calculated assuming traditional rate base treatment. The initial five years are not representative of the entire period due to the amortization of a net loss on the disposal of assets and a delay in the realization of lease savings at the head office. The revenue requirements for the first year and the sixth year after the assets are added to rate base as follows:

<u>Revenue Requirements (\$000's)</u>	<u>Year 1</u>	<u>Year 6</u>
Rent Savings	\$(929)	\$(1,654)
Operating Costs	39	(146)
Property and Capital Taxes	1,143	956
CCA Tax Shield	(2,646)	(1,780)
Amortization of Net Loss	811	-
Depreciation	2,493	2,734
Return on Rate Base	5,258	4,610
Total	\$ 6,169	\$ 4,720

The revenue requirements include savings from the cancellation of leases at Commerce Court, Gilfax Central Stores, Bainbridge Meter Shop, and three floors at head office. A portion of the head office savings are assumed to commence in the year 2003, after the expiration of the current lease term. The lease agreements are triple-net and the components are included in the rent, operating cost and property tax categories in the table above. The lease savings are inflated at 2% per annum throughout the forecast period.

The buildings which are to be demolished have not yet been fully depreciated and, therefore, a loss on disposal is expected. The loss is expected to be mitigated by a gain on the sale of land, as the current market value is well in excess of book value. The proceeds from the sale of land have been apportioned based on the proportion of rate base to non-rate base book values of the land sold.

It is expected that income tax payable on the gain on land can be deferred by applying Replacement Property rules allowed by the Income Tax Act. The rules can be applied when capital property is disposed of and replaced within a reasonable time period with similar property which has the same purpose.

The loss on the buildings is expected to be higher than the gain on the land, resulting in a net loss for the project. The rate base portion of the net loss is included in Amortization and recovered in rates evenly over the first five years.

The project includes expenditures for new furniture and equipment in addition to those existing. There are no gains or losses on the disposal of furniture and equipment included in the results, based on the assumption that any assets which are being replaced are close to being fully depreciated.

6.4. Sale-Leaseback Option

The Sale-Leaseback option considers constructing the required facilities and upon completion, BC Gas would enter into a Sale-Leaseback arrangement with a pension fund or other third party. The lease would include the land, new buildings and any existing buildings which are not demolished. The following assumptions have been used to analyze the Sale-Leaseback alternative.

- The land and buildings would be sold at market value. There would not be a gain or loss on the buildings as market value is assumed to equal book value. There would be a gain on the land because the current market value is expected to be significantly higher than book value.
- The initial lease term is assumed to be ten years and no provision is made for property title to transfer to BC Gas at the end of the term.
- The initial annual lease payment is assumed to equal 9.2% of the market value of the land and buildings at the inception of the lease. This amount is increased by 2.0% per year over the entire lease term and the remainder of the thirty year planning period, based on the assumption that the lease would be renewed.
- The lease would be accounted for as an operating lease under these circumstances.

Coastal Facilities Project - 1998

- The market value of the land is assumed to increase by 2% per year for the entire forecast period.

The following is a comparison of the revenue requirements for Year 6 under the Own and Sale-Leaseback options:

<u>Revenue Requirement (\$000's)</u>	<u>Own</u>	<u>Sale-Leaseback</u>
Rent Savings	\$(1,654)	\$(1,654)
Operating Costs	(146)	(146)
Property and Capital Taxes	956	597
CCA Tax Shield	(1,780)	(602)
Depreciation	2,734	867
Return on Rate Base	4,610	(408)
Sale-Leaseback Rent	-	6,407
Amortization of Gain	-	(850)
Total	\$ 4,720	\$ 4,211
30 Year NPV	\$60,621	\$85,047

Although the Sale-Leaseback option has a lower cost initially, the 30 year NPV is higher. The discrepancy is due to differences in the recovery of financing costs and a gain on the land in the Sale-Leaseback option.

For owned assets the financing costs, as represented by Depreciation and Return on Rate Base, are initially higher but decline over time as rate base is depreciated. For leased assets the financing costs, as represented by the Rent, are similar to an annuity. The cost is lower initially and relatively constant over time and may increase or decrease depending on market conditions. The appreciation of land may be a factor in market lease rates but is not included in Rate Base assets. For the purposes of the financial analysis, the Sale-Leaseback Rent is inflated by 2% per annum throughout the forecast period.

The NPV under the Sale-Leaseback option is higher than the NPV under the Own option, primarily due to two factors; the cost of capital and income taxes.

In the current interest rate environment, the Company's marginal cost of capital is lower than the rate of return implied by the lease capitalization rate of 9.2%. It is recognized that lease capitalization rates do not fluctuate over time to the same degree as interest rates.

Since the previously owned land and buildings are not being replaced under the Sale-Leaseback option, the Replacement Property rules of the Income Tax Act do not apply. Capital gains tax would have to be paid, not only on the land included in the Sale-Leaseback, but also on the portion of the land which is sold under the Own option.

Although the pre-tax gain is credited against revenue requirements, the benefit is offset by higher lease payments, which are based on the same market value which generates the gain. The income tax payable on the gain has no offsetting benefit and, therefore, the net after-tax result of the gain is an increase in the NPV of revenue requirements.

6.5. Synthetic Lease Option

The Company has been exploring financing alternatives and has the opportunity to utilize a unique and proprietary vehicle, hereafter referred to as the Synthetic Lease option. In this option the company would retain ownership of the land and lease the buildings with the possibility of ownership, at the Company's option, at the end of the lease term. This method is an innovative approach which provides a significant benefit to customers as it reduces rate impacts with no gain to the Company.

The following assumptions have been used to analyze the Synthetic Lease.

- The initial lease term is ten years, at which time the remaining book value of the buildings is added to rate base.
- The lease payments are based on 100% debt financing of the buildings. The annual repayment of principal is equal to the annual depreciation under the Rate Base option.
- The lease would be accounted for as an operating lease.

The Synthetic Lease option can only be used by the Company on a limited basis and therefore would not be feasible for assets outside the scope of this project. In addition, the plan is based on current accounting and tax rules and the Company is requesting that the shareholders be protected from the impact of any changes in the rules during the term of the financing.

The revenue requirements under the Own and Synthetic Lease options are as follows:

<u>Revenue Requirement (\$000's)</u>	<u>Own</u>	<u>Synthetic Lease</u>	
		<u>10 Years</u>	<u>30 Years</u>
Year 6	\$ 4,720	\$ 2,757	\$ 2,757
30 Year NPV	\$60,621	\$43,106	\$35,648

The difference in revenue requirements is primarily due to the absence of equity financing of the buildings under the Synthetic Lease option.

There would not be a gain on land or the related tax consequences at the inception of the Synthetic Lease because the land is not being sold. The Company does, however, retain the right to any potential gains on the capital properties in the future.

The 30 Year column is presented for comparison purposes only and assumes that the initial agreement can be repeated for two additional ten year terms.

The feasibility of renewing the lease will depend on the Company's financial and tax situation at the time. If accounting or tax rules change and eliminate or reduce the ability to maintain these benefits, then a requirement to record such costs as a traditional rate base item will be required. Commission confirmation of this approach is requested.

6.6. Operational Considerations

Ownership of the properties would provide the Company with greater operational flexibility and less disruption over the long term. There would not be a need to obtain permission from the landlord for changes to the properties, to re-negotiate the lease or to relocate should the landlord decide against renewing the lease.

Ownership would also provide customers with rate stability because the rates would be based on the historical cost of the properties rather than on market lease rates.

6.7. Financing Recommendation

The revenue requirement impact of the three financing alternatives is summarized as follows:

<u>Revenue Requirement (\$000's)</u>	<u>10 Year</u>		
	<u>Own</u>	<u>Sale-Leaseback</u>	<u>Synthetic Lease</u>
Year 6	\$ 4,720	\$ 4,211	\$ 2,757
30 Year NPV	\$60,621	\$85,047	\$43,106

The Synthetic Lease combines the benefits of ownership with low-cost financing as well as tax benefits. From a financial and operating perspective, the Company endorses the Synthetic Lease alternative and requests Commission approval of this alternative.

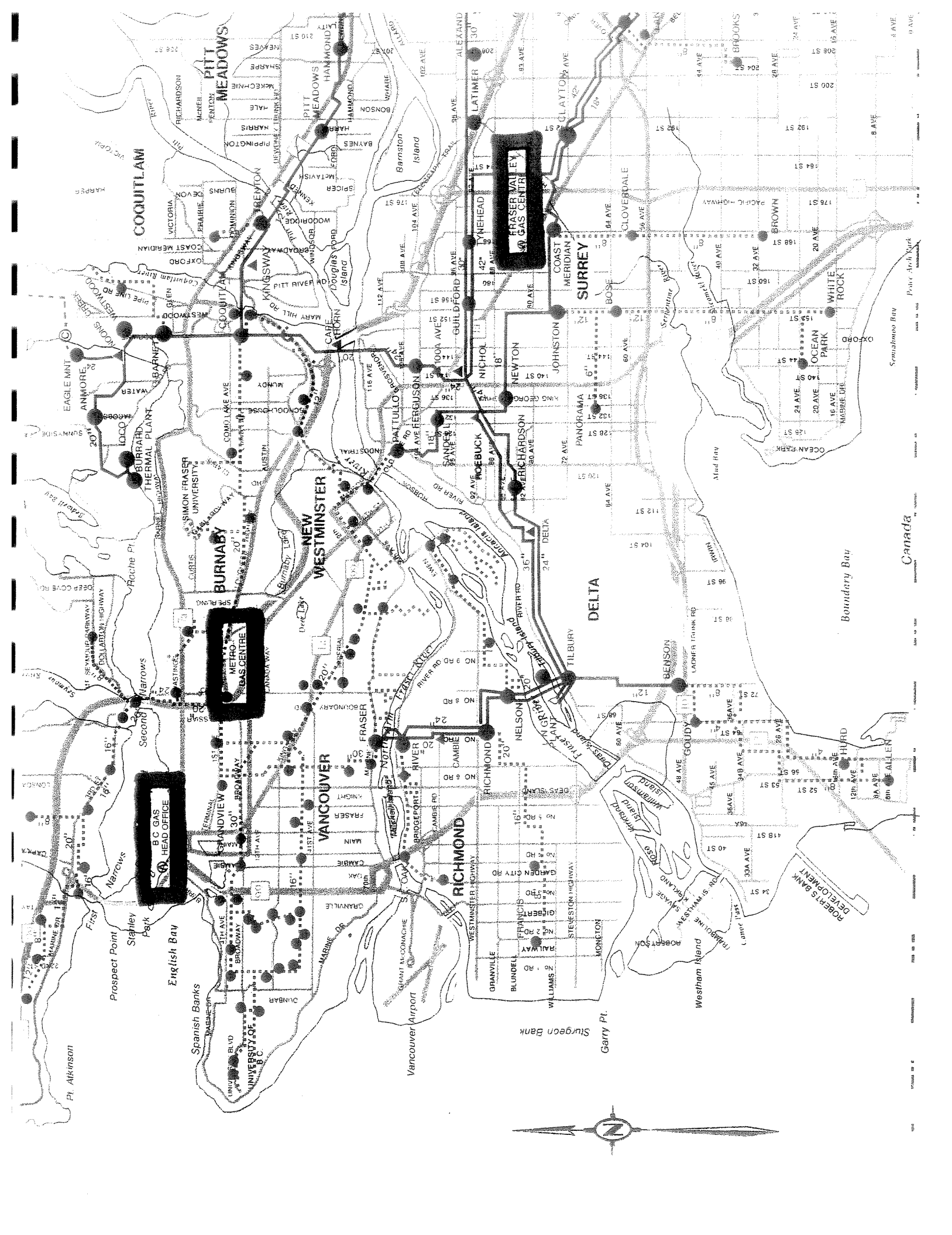
BC Gas also requests Commission approval to include Synthetic Lease costs in the Company's cost of service line item which currently includes the Vehicle and FIS leases. The principle underlying the Synthetic Lease alternative for the Coastal Facilities Project is analogous to the Vehicle and FIS leases, in that costs of service that would otherwise occur through rate base are treated purely as operating leases.

7. CONCLUSION

BC Gas hereby makes application for approval of the Coastal Facilities Project as described in this application.

Appendix A

Map of the Lower Mainland



COQUITLAM

PITT MEADOWS

BURNABY

NEW WESTMINSTER

VANCOUVER

RICHMOND

DELTA

SURREY

B.C. GAS HEAD OFFICE

BURNABY METRO GAS CENTRE

FRASER VALLEY GAS CENTRE

Surgeon Bank

Garry Pt.

Boundary Bay

Canada

Surrey Arch Park

Senahmo Bay

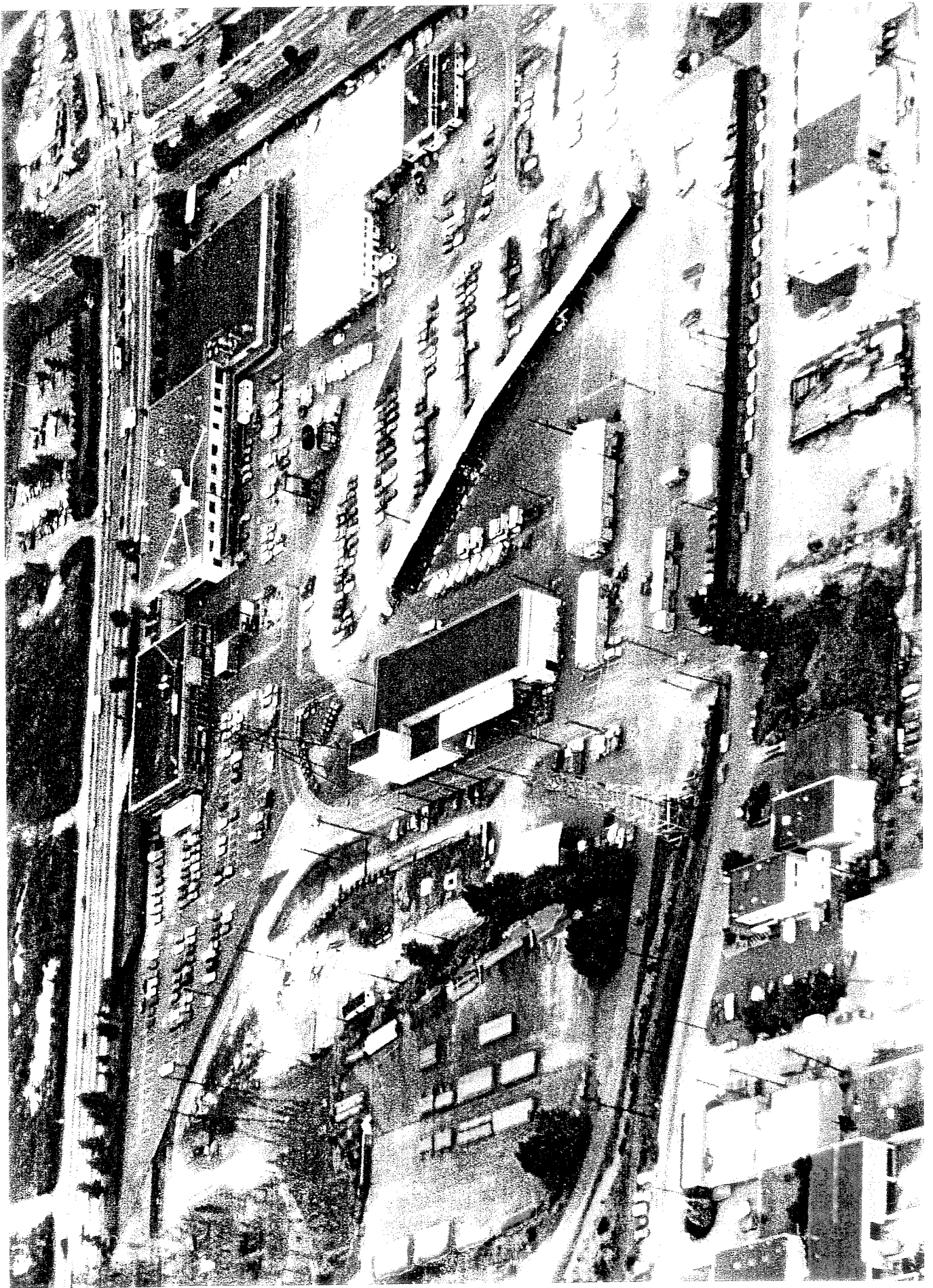
Map 10 1000

Map 10 1000



Appendix B

Lochburn Photo



Appendix C

Fraser Valley Photo



Appendix D

Bar Chart - Schedule

Project Start	04MAY90		<p>THE DOMINION COMPANY</p> <p>B.C GAS - COASTAL FACILITIES PROJECT</p> <p>Classio Schedule Lnyout</p>	<p>Sheet 1 of 1</p>
Project Finish	30NOV98			
Date Date	04MAY98			
Pct Date	28MAY98			
		<p>© Primavera Systems, Inc.</p>		

Appendix E

Capital Cost Detail

CAPITAL BUDGET COST SUMMARY

Coastal Facilities Project	Lochburn Site	Fraser Valley Site	TOTAL
1) SOFT COSTS			
Development Cost Charges	\$ -	\$ 472,946.00	\$ 472,946.00
Building/ Development Permits	\$ 66,660.00	\$ 192,970.00	\$ 259,630.00
Design & Consulting	\$ 637,874.00	\$ 3,132,146.00	\$ 3,770,020.00
Interior Designer	\$ 45,000.00	\$ 408,000.00	\$ 453,000.00
Pre & Post Construction Services	\$ 17,255.00	\$ 84,245.00	\$ 101,500.00
BC Gas Project Personnel	\$ 75,000.00	\$ 365,000.00	\$ 440,000.00
Move Costs	\$ 128,250.00	\$ 627,000.00	\$ 755,250.00
SUB-TOTAL SOFT COSTS	\$ 970,039.00	\$ 5,282,307.00	\$ 6,252,346.00
2) FURNITURE, FIXTURES, EQUIPMENT			
Furniture	\$ 333,975.00	\$ 5,959,619.00	\$ 6,293,594.00
Office Equipment	\$ 34,154.00	\$ 1,222,874.00	\$ 1,257,028.00
Relocate Radio & Microwave Hubs & Equip.	\$ 100,000.00	\$ 400,000.00	\$ 500,000.00
Racking	\$ 279,000.00	\$ -	\$ 279,000.00
SUB-TOTAL F,F & E	\$ 747,129.00	\$ 7,582,493.00	\$ 8,329,622.00
3) CAPITAL COSTS			
LAND			
Acquisition			
Price/acre			
Acres Purchased			
Total Land Purchase			
Sale of Existing Property			
Sales Price/acre			
Acres sold			
Total Land Sales			
NET LAND COST			
CONSTRUCTION - FACILITIES			
Operations Building (Incl. TI's)	\$ -	\$ 26,105,360.00	\$ 26,105,360.00
Multi-Use Building	\$ -	\$ 3,841,592.00	\$ 3,841,592.00
Measurement Services (Incl. TI's)	\$ -	\$ 3,611,968.00	\$ 3,611,968.00
Stores Annex	\$ -	\$ 85,000.00	\$ 85,000.00
Central Stores (Incl. TI's)	\$ 3,449,140.00		\$ 3,449,140.00
Super Muster (Incl. TI's)	\$ 1,538,825.00		\$ 1,538,825.00
Pile Foundations	\$ 2,228,205.00		\$ 2,228,205.00
Sub-Total Construction - Facilities	\$ 7,216,170.00	\$ 33,643,920.00	\$ 40,860,090.00

**DOUG COASTAL FACILITIES PROJECT
CAPITAL BUDGET COST SUMMARY**

3) CAPITAL COSTS (cont'd)			
SITE DEVELOPMENT			
Underground Parkade (64,418 SF)	\$ -	\$ 3,020,552.00	\$ 3,020,552.00
Landscaping	\$ 50,000.00	\$ 715,000.00	\$ 765,000.00
Demolition	\$ 300,000.00	\$ 110,000.00	\$ 410,000.00
Paving, Grading Services, Etc.	\$ 300,000.00	\$ 1,736,482.00	\$ 2,036,482.00
Off Site Roadwork	\$ -	\$ 242,500.00	\$ 242,500.00
Site Service Costs	\$ 368,820.00	\$ 324,325.00	\$ 693,145.00
Sub-Total Site Development	\$ 1,018,820.00	\$ 6,148,859.00	\$ 7,167,679.00
SUB-TOTAL CONSTRUCTION COSTS	\$ 8,234,990.00	\$ 39,792,779.00	\$ 48,027,769.00

TOTAL CAPITAL BUDGET COST \$ 62,609,737.00

Attachment 1.6

**** Preliminary Version ****

Case Name:
ATCO Gas & Pipelines Ltd. v. Alberta (Energy & Utilities Board)

**City of Calgary, appellant/respondent on cross-appeal;
v.
ATCO Gas and Pipelines Ltd., respondent/appellant on
cross-appeal, and
Alberta Energy and Utilities Board, Ontario Energy
Board, Enbridge Gas Distribution Inc. and Union Gas
Limited, interveners.**

[2006] S.C.J. No. 4

2006 SCC 4

File No.: 30247.

Supreme Court of Canada

Heard: May 11, 2005;
Judgment: February 9, 2006.

**Present: McLachlin C.J. and Bastarache, Binnie, LeBel,
Deschamps, Fish and Charron JJ.**

(149 paras.)

Appeal From:

ON APPEAL FROM THE COURT OF APPEAL OF ALBERTA

Subsequent History:

NOTE: This document is subject to editorial revision before its reproduction in final form in the Canada Supreme Court Reports.

Catchwords:

Administrative law -- Boards and tribunals -- Regulatory boards -- Jurisdiction -- Doctrine of jurisdiction by necessary implication -- Natural gas public utility applying to Alberta Energy and Utilities Board to approve sale of buildings and land no longer required in supplying natural gas -- Board approving sale subject to condition that portion of sale proceeds be allocated to ratepaying customers of utility -- Whether Board had explicit or implicit jurisdiction to allocate proceeds of sale -- If so, whether Board's decision to exercise discretion to protect public interest by allocating proceeds of utility asset sale to customers reasonable -- Alberta Energy and Utilities Board Act, R.S.A. 2000, c. A-17, s. 15(3) -- Public Utilities Board Act, R.S.A. 2000, c. P-45, s. 37 -- Gas Utilities Act, R.S.A. 2000, c. G-5, s. 26(2).

Administrative law -- Judicial review -- Standard of review -- Alberta Energy and Utilities Board -- Standard of review applicable to Board's jurisdiction to allocate proceeds from sale of public utility assets to ratepayers -- Standard of review applicable to Board's decision to exercise discretion to allocate proceeds of sale -- Alberta Energy and Utilities Board Act, R.S.A. 2000, c. A-17, s. 15(3) -- Public Utilities Board Act, R.S.A. 2000, c. P-45, s. 37 -- Gas Utilities Act, R.S.A. 2000, c. G-5, s. 26(2).

Summary:

ATCO is a public utility in Alberta which delivers natural gas. A division of **ATCO** filed an application with the Alberta Energy and Utilities Board for approval of the sale of buildings and land located in Calgary, as required by the *Gas Utilities Act* ("GUA"). According to **ATCO**, the property was no longer used or useful for the provision of utility services, and the sale would not cause any harm to ratepaying customers. **ATCO** requested that the Board approve the sale transaction, as well as the proposed disposition of the sale proceeds: to retire the remaining book value of the sold assets, to recover the disposition costs, and to recognize that the balance of the profits resulting from the sale should be paid to **ATCO's** shareholders. The customers' interests were represented by the City of Calgary, who opposed **ATCO's** position with respect to the disposition of the sale proceeds to shareholders.

Persuaded that customers would not be harmed by the sale, the Board approved the sale transaction on the basis that customers would not "be exposed to the risk of financial harm as a result of the Sale that could not be examined in a future proceeding". In a second decision, the Board determined the allocation of net sale proceeds. The Board held that it had the jurisdiction to approve a proposed disposition of sale proceeds subject to appropriate conditions to protect the public interest, pursuant to the powers granted to it under s. 15(3) of the *Alberta Energy and Utilities Board Act* ("AEUBA"). The Board applied a formula which recognizes profits realized when proceeds of sale exceed the original cost can be shared between customers and shareholders, and allocated a portion of the net gain on the sale to the ratepaying customers. The Alberta Court of Appeal set aside the Board's decision, referring the matter back to the Board to allocate the entire remainder of the proceeds to **ATCO**.

Held (McLachlin C.J. and Binnie and Fish JJ. dissenting): The appeal is dismissed and the cross-appeal is allowed.

Per Bastarache, LeBel, Deschamps and Charron JJ.: When the relevant factors of the pragmatic and functional approach are properly considered, the standard of review applicable to the Board's

decision on the issue of jurisdiction is correctness. Here, the Board did not have the jurisdiction to allocate the proceeds of the sale of the utility's asset. The Court of Appeal made no error of fact or law when it concluded that the Board acted beyond its jurisdiction by misapprehending its statutory and common law authority. However, the Court of Appeal erred when it did not go on to conclude that the Board has no jurisdiction to allocate *any* portion of the proceeds of sale of the property to ratepayers. [paras. 21-34]

The interpretation of the AEUBA, the *Public Utilities Board Act* ("PUBA") and the GUA can lead to only one conclusion: the Board does not have the prerogative to decide on the distribution of the net gain from the sale of assets of a utility. On their grammatical and ordinary meaning, s. 26(2) GUA, s. 15(3) AEUBA and s. 37 PUBA are silent as to the Board's power to deal with sale proceeds. Section 26(2) GUA conferred on the Board the power to approve a transaction without more. The intended meaning of the Board's power pursuant to s. 15(3) AEUBA to impose conditions on an order that the Board considers necessary in the public interest, as well as the general power in s. 37 PUBA, is lost when the provisions are read in isolation. They are, on their own, vague and open-ended. It would be absurd to allow the Board an unfettered discretion to attach any condition it wishes to any order it makes. While the concept of "public interest" is very wide and elastic, the Board cannot be given total discretion over its limitations. These seemingly broad powers must be interpreted within the entire context of the statutes which are meant to balance the need to protect consumers as well as the property rights retained by owners, as recognized in a free market economy. The context indicates that the limits of the Board's powers are grounded in its main function of fixing just and reasonable rates and in protecting the integrity and dependability of the supply system. [para. 7] [paras. 41-46]

An examination of the historical background of public utilities regulation in Alberta generally, and the legislation in respect of the powers of the Alberta Energy and Utilities Board in particular, reveals that nowhere is there a mention of the authority for the Board to allocate proceeds from a sale or the discretion of the Board to interfere with ownership rights. Moreover, although the Board may seem to possess a variety of powers and functions, it is manifest from a reading of the AEUBA, the PUBA and the GUA that the principal function of the Board in respect of public utilities, is the determination of rates. Its power to supervise the finances of these companies and their operations, although wide, is in practice incidental to fixing rates. The goals of sustainability, equity and efficiency, which underlie the reasoning as to how rates are fixed, have resulted in an economic and social arrangement which ensures that all customers have access to the utility at a fair price -- nothing more. The rates paid by customers do not incorporate acquiring ownership or control of the utility's assets. The object of the statutes is to protect both the customer and the investor, and the Board's responsibility is to maintain a tariff that enhances the economic benefits to consumers and investors of the utility. This well-balanced regulatory arrangement does not, however, cancel the private nature of the utility. The fact that the utility is given the opportunity to make a profit on its services and a fair return on its investment in its assets should not and cannot stop the utility from benefiting from the profits which follow the sale of assets. Neither is the utility protected from losses incurred from the sale of assets. The Board misdirected itself by confusing the interests of the customers in obtaining safe and efficient utility service with an interest in the underlying assets owned only by the utility. [para. 7] [paras. 54-69]

Not only is the power to allocate the proceeds of the sale absent from the explicit language of the legislation, but it cannot be implied from the statutory regime as necessarily incidental to the explicit powers. For the doctrine of jurisdiction by necessary implication to apply, there must be evi-

dence that the exercise of that power is a practical necessity for the Board to accomplish the objects prescribed by the legislature, something which is absent in this case. Not only is the authority to attach a condition to allocate the proceeds of a sale to a particular party unnecessary for the Board to accomplish its role, but deciding otherwise would lead to the conclusion that broadly drawn powers, such as those found in the AEUBA, the GUA and the PUBA, can be interpreted so as to encroach on the economic freedom of the utility, depriving it of its rights. If the Alberta legislature wishes to confer on ratepayers the economic benefits resulting from the sale of utility assets, it can expressly provide for this in the legislation. [para. 39] [paras. 77-80]

Notwithstanding the conclusion that the Board lacked jurisdiction, its decision to exercise its discretion to protect the public interest by allocating the sale proceeds as it did to ratepaying customers did not meet a reasonable standard. When it explicitly concluded that no harm would ensue to customers from the sale of the asset, the Board did not identify any public interest which required protection and there was, therefore, nothing to trigger the exercise of the discretion to allocate the proceeds of sale. Finally, it cannot be concluded that the Board's allocation was reasonable when it wrongly assumed that ratepayers had acquired a proprietary interest in the utility's assets because assets were a factor in the rate-setting process. [paras. 82-85]

Per McLachlin C.J. and **Binnie** and Fish JJ. (dissenting) : The Board's decision should be restored. Section 15(3) AEUBA authorized the Board, in dealing with **ATCO's** application to approve the sale of the subject land and buildings, to "impose any additional conditions that the Board considers necessary in the public interest". In the exercise of that authority, and having regard to the Board's "general supervision over all gas utilities, and the owners of them" pursuant to s. 22(1) GUA, the Board made an allocation of the net gain for public policy reasons. The Board's discretion is not unlimited and must be exercised in good faith for its intended purpose. Here, in allocating one third of the net gain to **ATCO** and two thirds to the rate base, the Board explained that it was proper to balance the interests of both shareholders and ratepayers. In the Board's view to award the entire gain to the ratepayers would deny the utility an incentive to increase its efficiency and reduce its costs, but on the other hand to award the entire gain to the utility might encourage speculation in non-depreciable property or motivate the utility to identify and dispose of properties which have appreciated for reasons other than the best interest of the regulated business. Although it was open to the Board to allow **ATCO's** application for the entire profit, the solution it adopted in this case is well within the range of reasonable options. The "public interest" is largely and inherently a matter of opinion and discretion. While the statutory framework of utilities regulation varies from jurisdiction to jurisdiction, Alberta's grant of authority to its Board is more generous than most. The Court should not substitute its own view of what is "necessary in the public interest". The Board's decision made in the exercise of its jurisdiction was within the range of established regulatory opinion, whether the proper standard of review in that regard is patent unreasonableness or simple reasonableness. [paras. 91-92] [paras. 98-99] [para. 110] [para. 113] [para. 122] [para. 148]

ATCO's submission that an allocation of profit to the customers would amount to a confiscation of the corporation's property overlooks the obvious difference between investment in an unregulated business and investment in a regulated utility where the ratepayers carry the costs and the regulator sets the return on investment, not the marketplace. The Board's response cannot be considered "confiscatory" in any proper use of the term, and is well within the range of what is regarded in comparable jurisdictions as an appropriate regulatory allocation of the gain on sale of land whose original investment has been included by the utility itself in its rate base. Similarly, **ATCO's** argument that the Board engaged in impermissible retroactive ratemaking should not be accepted. The Board pro-

posed to apply a portion of the expected profit to future ratemaking. The effect of the order is prospective not retroactive. Fixing the going-forward rate of return, as well as general supervision of "all gas utilities and the owners of them", were matters squarely within the Board's statutory mandate. **ATCO** also submits in its cross-appeal that the Court of Appeal erred in drawing a distinction between gains on sale of land whose original cost is not depreciated and depreciated property, such as buildings. A review of regulatory practice shows that many, but not all, regulators reject the relevance of this distinction. The point is not that the regulator must reject any such distinction but, rather, that the distinction does not have the controlling weight as contended by **ATCO**. In Alberta, it is up to the Board to determine what allocations are necessary in the public interest as conditions of the approval of sale. Finally, **ATCO's** contention that it alone is burdened with the risk on land that declines in value overlooks the fact that in a falling market the utility continues to be entitled to a rate of return on its original investment, even if the market value at the time is substantially less than its original investment. Further, it seems such losses are taken into account in the ongoing rate-setting process. [para. 93] [paras. 123-147]

Cases Cited

By Bastarache J.

Referred to: **ATCO** Gas and Pipelines Ltd., Alta. E.U.B. Decision 2001-78; **ATCO** Gas-North, A Division of **ATCO** Gas and Pipelines Ltd., Alta. E.U.B. Decision 2001-65; TransAlta Utilities Corp. v. Public Utilities Board (Alta.) (1986), 68 A.R. 171; TransAlta Utilities Corp., Alta. E.U.B. Decision 2001-41; Pushpanathan v. Canada (Minister of Citizenship and Immigration), [1998] 1 S.C.R. 982; United Taxi Drivers' Fellowship of Southern Alberta v. Calgary (City), [2004] 1 S.C.R. 485, 2004 SCC 19; Consumers' Gas Co. v. Ontario (Energy Board), [2001] O.J. No. 5024 (QL); Coalition of Citizens Impacted by the Caroline Shell Plant v. Alberta (Energy Utilities Board) (1996), 41 Alta. L.R. (3d) 374; **Atco** Ltd. v. Calgary Power Ltd., [1982] 2 S.C.R. 557; Dome Petroleum Ltd. v. Public Utilities Board (Alberta) (1976), 2 A.R. 453, aff'd [1977] 2 S.C.R. 822; Barrie Public Utilities v. Canadian Cable Television Assn., [2003] 1 S.C.R. 476, 2003 SCC 28; Rizzo & Rizzo Shoes Ltd. (Re), [1998] 1 S.C.R. 27; Bell ExpressVu Limited Partnership v. Rex, [2002] 2 S.C.R. 559, 2002 SCC 42; H.L. v. Canada (Attorney General), [2005] 1 S.C.R. 401, 2005 SCC 25; Marche v. Halifax Insurance Co., [2005] 1 S.C.R. 47, 2005 SCC 6; Contino v. Leonelli-Contino, 2005 SCC 63; Alberta Government Telephones (1984), Alta. P.U.B. Decision No. E84081; TransAlta Utilities Corp. (1984), Alta. P.U.B. Decision No. E84116; TransAlta Utilities Corp. (Re), [2002] A.E.U.B.D. No. 30 (QL); **ATCO** Electric Ltd. (Re), [2003] A.E.U.B.D. No. 92 (QL); Canadian Pacific Air Lines Ltd. v. Canadian Air Line Pilots Assn., [1993] 3 S.C.R. 724; Bristol-Myers Squibb Co. v. Canada (Attorney General), [2005] 1 S.C.R. 533, 2005 SCC 26; Chieu v. Canada (Minister of Citizenship and Immigration), [2002] 1 S.C.R. 84, 2002 SCC 3; Bell Canada v. Canada (Canadian Radio-Television and Telecommunications Commission), [1989] 1 S.C.R. 1722; R. v. McIntosh, [1995] 1 S.C.R. 686; Re Dow Chemical Canada Inc. and Union Gas Ltd. (1982), 141 D.L.R. (3d) 641, aff'd (1983), 42 O.R. (2d) 731; Interprovincial Pipe Line Ltd. v. National Energy Board, [1978] 1 F.C. 601; Canadian Broadcasting League v. Canadian Radio-television and Telecommunications Commission, [1983] 1 F.C. 182, aff'd [1985] 1 S.C.R. 174; Northwestern Utilities Ltd. v. City of Edmonton, [1929] S.C.R. 186; Northwestern Utilities Ltd. v. City of Edmonton, [1979] 1 S.C.R. 684; Re Gas Utilities Act and Public Utilities Board Act (1984), Alta. P.U.B. Decision No. E84113; Re Union Gas Ltd. and Ontario Energy Board (1983), 1 D.L.R. (4th) 698; Duquesne Light Co. v. Barasch, 488 U.S. 299 (1989); Market St. Ry. Co. v. Railroad Commission of

State of California, 324 U.S. 548 (1945); *Re Coseka Resources Ltd. and Saratoga Processing Co.* (1981), 126 D.L.R. (3d) 705, leave to appeal refused, [1981] 2 S.C.R. vii; *Re Consumers' Gas Co.* (1987), E.B.R.O. 410-II, 411-II, 412-II; *National Energy Board Act (Can.) (Re)*, [1986] 3 F.C. 275; *Pacific National Investments Ltd. v. Victoria (City)*, [2000] 2 S.C.R. 919, 2000 SCC 64; *Leiriao v. Val-Bélair (Town)*, [1991] 3 S.C.R. 349; *Hongkong Bank of Canada v. Wheeler Holdings Ltd.*, [1993] 1 S.C.R. 167.

By Binnie J. (dissenting)

Atco Ltd. v. Calgary Power Ltd., [1982] 2 S.C.R. 557; *C.U.P.E. v. Ontario (Minister of Labour)*, [2003] 1 S.C.R. 539, 2003 SCC 29; *TransAlta Utilities Corp. v. Public Utilities Board (Alta.)* (1986), 68 A.R. 171; *Dr. Q v. College of Physicians and Surgeons of British Columbia*, [2003] 1 S.C.R. 226, 2003 SCC 19; *Calgary Power Ltd. v. Copithorne*, [1959] S.C.R. 24; *United Brotherhood of Carpenters and Joiners of America, Local 579 v. Bradco Construction Ltd.*, [1993] 2 S.C.R. 316; *Pezim v. British Columbia (Superintendent of Brokers)*, [1994] 2 S.C.R. 557; *Memorial Gardens Association (Canada) Ltd. v. Colwood Cemetery Co.*, [1958] S.C.R. 353; *Union Gas Co. of Canada v. Sydenham Gas and Petroleum Co.*, [1957] S.C.R. 185; *Re C.T.C. Dealer Holdings Ltd. and Ontario Securities Commission* (1987), 59 O.R. (2d) 79; *Committee for the Equal Treatment of Asbestos Minority Shareholders v. Ontario (Securities Commission)*, [2001] 2 S.C.R. 132, 2001 SCC 37; *Re Consumer's Gas Co.* (1976), E.B.R.O. 341-I; *Re Boston Gas Co.* (1982), 49 P.U.R. 4th 1; *Re Consumer's Gas Co.* (1991), E.B.R.O. 465; *Re Natural Resource Gas Ltd.*, RP-2002-0147, EB-2002-0446; *Yukon Energy Corp. v. Utilities Board* (1996), 74 B.C.A.C. 58, 121 W.A.C. 58; *Re Arizona Public Service Co.* (1988), 91 P.U.R. 4th 337, 1988 WL 391394; *Re Southern California Water Co.* (1992), 43 C.P.U.C. 2d 596, 1992 WL 584058; *Re Southern California Gas Co.* (1990), 39 C.P.U.C. 2d 166, 118 P.U.R. 4th 81, 1990 WL 488654; *Democratic Central Committee of the District of Columbia v. Washington Metropolitan Area Transit Commission*, 485 F.2d 786 (1973); *Board of Public Utility Commissioners v. New York Telephone Co.*, 271 U.S. 23 (1926); *Northwestern Utilities Ltd. v. City of Edmonton*, [1979] 1 S.C.R. 684; *New York Water Service Corp. v. Public Service Commission*, 208 N.Y.S.2d 587 (1960); *Re Compliance with the Energy Policy Act of 1992* (1995), 62 C.P.U.C. 2d 517; *Re California Water Service Co.* (1996), 66 C.P.U.C. 2d 100, 1996 WL 293205; *TransAlta Utilities Corp.* (1984), Alta. P.U.B. Decision No. E84116; *Alberta Government Telephones* (1984), Alta. P.U.B. Decision No. E84081; *TransAlta Utilities Corp.* (1984), Alta. P.U.B. Decision No. E84115; *Re Gas Utilities Act and Public Utilities Board Act* (1984), Alta. P.U.B. Decision No. E84113.

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History and Disposition:

APPEAL and CROSS-APPEAL from a judgment of the Alberta Court of Appeal (Wittmann J.A. and LoVecchio J. (ad hoc)) (2004), 24 Alta. L.R. (4th) 205, 339 A.R. 250; 312 W.A.C. 250, [2004] 4 W.W.R. 239, [2004] A.J. No. 45 (QL), 2004 ABCA 3, reversing a decision of the Alberta Energy and Utilities Board, Decision No. 2002-037, [2002] A.E.U.B.D. No. 52 (QL). Appeal dismissed and cross-appeal allowed, McLachlin C.J. and Binnie and Fish JJ. dissenting.

Counsel:

Brian K. O'Ferrall and Daron K. Naffin, for the appellant/respondent on cross-appeal.

Clifton D. O'Brien, Q.C., Lawrence E. Smith, Q.C., H. Martin Kay, Q.C., and Laurie A. Goldbach, for the respondent/appellant on cross-appeal.

J. Richard McKee and Renée Marx, for the intervener the Alberta Energy and Utilities Board.

Written submissions only by George Vegh and Michael W. Lyle, for the intervener the Ontario Energy Board.

Written submissions only by Michael D. Schafler and J.L. McDougall, Q.C., for the intervener Enbridge Gas Distribution Inc.

Written submissions only by Michael A. Penny and Susan Kushneryk, for the intervener Union Gas Limited.

[Editor's note: A corrigendum was published by the Court April 24, 2006. The corrections have been incorporated in this document and the text of the corrigendum is appended to the end of the judgment.]

The judgment of Bastarache, LeBel, Deschamps and Charron JJ. was delivered by
BASTARACHE J.:--

1. Introduction

1 At the heart of this appeal is the issue of the jurisdiction of an administrative board. More specifically, the Court must consider whether, on the appropriate standard of review, this utility board appropriately set out the limits of its powers and discretion.

2 Few areas of our lives are now untouched by regulation. Telephone, rail, airline, trucking, foreign investment, insurance, capital markets, broadcasting licences and content, banking, food, drug and safety standards, are just a few of the objects of public regulations in Canada: M. J. Trebilcock, "The Consumer Interest and Regulatory Reform", in G. B. Doern, ed., *The Regulatory Process in Canada* (1978), 94. Discretion is central to the regulatory agency policy process, but this discretion will vary from one administrative body to another (see C. L. Brown-John, *Canadian Regulatory Agencies: Quis custodiet ipsos custodes?* (1981), at p. 29). More importantly, in exercising this discretion, statutory bodies must respect the confines of their jurisdiction: they cannot trespass in areas where the legislature has not assigned them authority (see D. J. Mullan, *Administrative Law* (2001), at pp. 9-10).

3 The business of energy and utilities is no exception to this regulatory framework. The respondent in this case is a public utility in Alberta which delivers natural gas. This public utility is nothing more than a private corporation subject to certain regulatory constraints. Fundamentally, it is like any other privately held company: it obtains the necessary funding from investors through public issues of shares in stock and bond markets; it is the sole owner of the resources, land and other assets; it constructs plants, purchases equipment, and contracts with employees to provide the services; it realizes profits resulting from the application of the rates approved by the Alberta Energy and Utilities Board (the "Board") (see P. W. MacAvoy and J. G. Sidak, "The Efficient Allocation of Proceeds from a Utility's Sale of Assets" (2001), 22 *Energy L.J.* 233, at p. 234). That said, one cannot ignore the important feature which makes a public utility so distinct: it must answer to a regulator. Public utilities are typically natural monopolies: technology and demand are such that fixed costs are lower for a single firm to supply the market than would be the case where there is duplication of services by different companies in a competitive environment (see A. E. Kahn, *The Economics of Regulation: Principles and Institutions* (1988), vol. 1, at p. 11; B. W. F. Depoorter, "Regulation of Natural Monopoly", in B. Bouckaert and G. De Geest, eds., *Encyclopedia of Law and Economics* (2000), vol. III, 498; J. S. Netz, "Price Regulation: A (Non-Technical) Overview", in B. Bouckaert and G. De Geest, eds., *Encyclopedia of Law and Economics* (2000), vol. III, 396, at p. 398; A. J. Black, "Responsible Regulation: Incentive Rates for Natural Gas Pipelines" (1992), 28 *Tulsa L.J.* 349, at p. 351). Efficiency of production is promoted under this model. However, governments have purported to move away from this theoretical concept and have adopted what can only be described as a "regulated monopoly". The utility regulations exist to protect the public from monopolistic behaviour and the consequent inelasticity of demand while ensuring the continued quality of an essential service (see Kahn, at p. 11).

4 As in any business venture, public utilities make business decisions, their ultimate goal being to maximize the residual benefits to shareholders. However, the regulator limits the utility's managerial discretion over key decisions, including prices, service offerings and the prudence of plant and equipment investment decisions. And more relevant to this case, the utility, outside the ordinary course of business, is limited in its right to sell assets it owns: it must obtain authorization from its regulator before selling an asset previously used to produce regulated services (see MacAvoy and Sidak, at p. 234).

5 Against this backdrop, the Court is being asked to determine whether the Board has jurisdiction pursuant to its enabling statutes to allocate a portion of the net gain on the sale of a now discarded utility asset to the rate-paying customers of the utility when approving the sale. Subsequently, if this first question is answered affirmatively, the Court must consider whether the Board's exercise of its jurisdiction was reasonable and within the limits of its jurisdiction: was it allowed, in the circumstances of this case, to allocate a portion of the net gain on the sale of the utility to the rate-paying customers?

6 The customers' interests are represented in this case by the City of Calgary (the "City") which argues that the Board can determine how to allocate the proceeds pursuant to its power to approve the sale and protect the public interest. I find this position unconvincing.

7 The interpretation of the *Alberta Energy and Utilities Board Act*, R.S.A. 2000, c. A-17 ("AEUBA"), the *Public Utilities Board Act*, R.S.A. 2000, c. P-45 ("PUBA"), and the *Gas Utilities Act*, R.S.A. 2000, c. G-5 ("GUA") (see Appendix for the relevant provisions of these three statutes), can lead to only one conclusion: the Board does not have the prerogative to decide on the distribu-

tion of the net gain from the sale of assets of a utility. The Board's seemingly broad powers to make any order and to impose any additional conditions that are necessary in the public interest has to be interpreted within the entire context of the statutes which are meant to balance the need to protect consumers as well as the property rights retained by owners, as recognized in a free market economy. The limits of the powers of the Board are grounded in its main function of fixing just and reasonable rates ("rate setting") and in protecting the integrity and dependability of the supply system.

1.1 *Overview of the Facts*

8 **ATCO Gas - South ("AGS")**, which is a division of **ATCO Gas and Pipelines Ltd. ("ATCO")**, filed an application by letter with the Board pursuant to s. 25.1(2) (now s. 26(2)) of the GUA, for approval of the sale of its properties located in Calgary known as Calgary Stores Block (the "property"). The property consisted of land and buildings; however, the main value was in the land, and the purchaser intended to and did eventually demolish the buildings and redevelop the land. According to AGS, the property was no longer used or useful for the provision of utility services, and the sale would not cause any harm to customers. In fact, AGS suggested that the sale would result in cost savings to customers, by allowing the net book value of the property to be retired and withdrawn from the rate base, thereby reducing rates. **ATCO** requested that the Board approve the sale transaction and the disposition of the sale proceeds to retire the remaining book value of the sold assets, to recover the disposition costs, and to recognize the balance of the profits resulting from the sale of the plant should be paid to shareholders. The Board dealt with the application in writing, without witnesses or an oral hearing. Other parties making written submissions to the Board were the City of Calgary, the Federation of Alberta Gas Co-ops Ltd., Gas Alberta Inc. and the Municipal Interveners, who all opposed **ATCO's** position with respect to the disposition of the sale proceeds to shareholders.

1.2 *Judicial History*

1.2.1 Alberta Energy and Utilities Board

1.2.1.1 *Decision 2001-78 (Atco Gas and Pipelines Ltd.)*

9 In a first decision, which considered **ATCO's** application to approve the sale of the property, the Board employed a "no-harm" test, assessing the potential impact on both rates and the level of service to customers and the prudence of the sale transaction, taking into account the purchaser and tender or sale process followed. The Board was of the view that the test had been satisfied. It was persuaded that customers would not be harmed by the sale, given that a prudent lease arrangement to replace the sold facility had been concluded. The Board was satisfied that there would not be a negative impact on customers' rates, at least during the five-year initial term of the lease. In fact, the Board concluded that there would be cost savings to the customers and that there would be no impact on the level of service to customers as a result of the sale. It did not make a finding on the specific impact on future operating costs; for example, it did not consider the costs of the lease arrangement entered into by **ATCO**. The Board noted that those costs could be reviewed by the Board in a future general rate application brought by interested parties.

1.2.1.2 *Decision 2002-037, [2002] A.E.U.B. No. 52 (QL)*

10 In a second decision, the Board determined the allocation of net sale proceeds. It reviewed the regulatory policy and general principles which affected the decision, although no specific matters are enumerated for consideration in the applicable legislative provisions. The Board had previously

developed a "no-harm" test, and it reviewed the rationale for the test as summarized in its Alta. E.U.B. Decision 2001-65, *Atco Gas-North, A Division of Atco Gas and Pipelines Ltd.*: "The Board considers that its power to mitigate or offset potential harm to customers by allocating part or all of the sale proceeds to them, flows from its very broad mandate to protect consumers in the public interest (p. 16)."

11 The Board went on to discuss the implications of the Alberta Court of Appeal decision in *TransAlta Utilities Corp. v. Public Utilities Board (Alta.)* (1986), 68 A.R. 171, referring to various decisions it had rendered in the past. Quoting from Alta. E.U.B. Decision 2000-41 (*TransAlta Utilities Corp.*), the Board summarized the "*TransAlta Formula*" (para. 27):

In subsequent decisions, the Board has interpreted the Court of Appeal's conclusion to mean that where the sale price exceeds the original cost of the assets, shareholders are entitled to net book value (in historical dollars), customers are entitled to the difference between net book value and original cost, and any appreciation in the value of the assets (i.e. the difference between original cost and the sale price) is to be shared by shareholders and customers. The amount to be shared by each is determined by multiplying the ratio of sale price/original cost to the net book value (for shareholders) and the difference between original cost and net book value (for customers). However, where the sale price does not exceed original cost, customers are entitled to all of the gain on sale.

The Board also referred to Decision 2001-65, where it had clarified the following (para. 28):

In the Board's view, if the TransAlta Formula yields a result greater than the no-harm amount, customers are entitled to the greater amount. If the TransAlta Formula yields a result less than the no-harm amount, customers are entitled to the no-harm amount. In the Board's view, this approach is consistent with its historical application of the TransAlta Formula.

12 On the issue of its jurisdiction to allocate the net proceeds of a sale, the Board in the present case stated, at paras. 47-49:

The fact that a regulated utility must seek Board approval before disposing of its assets is sufficient indication of the limitations placed by the legislature on the property rights of a utility. In appropriate circumstances, the Board clearly has the power to prevent a utility from disposing of its property. In the Board's view it also follows that the Board can approve a disposition subject to appropriate conditions to protect customer interests.

Regarding AGS's argument that allocating more than the no-harm amount to customers would amount to retrospective ratemaking, the Board again notes the decision in the TransAlta Appeal. The Court of Appeal accepted that the Board could include in the definition of "revenue" an amount payable to customers representing excess depreciation paid by them through past rates. In the Board's view, no question of retrospective ratemaking arises in cases where pre-

viously regulated rate base assets are being disposed of out of rate base and the Board applies the TransAlta Formula.

The Board is not persuaded by the Company's argument that the Stores Block assets are now 'non-utility' by virtue of being 'no longer required for utility service'. The Board notes that the assets could still be providing service to regulated customers. In fact, the services formerly provided by the Stores Block assets continue to be required, but will be provided from existing and newly leased facilities. Furthermore, the Board notes that even when an asset and the associated service it was providing to customers is no longer required the Board has previously allocated more than the no-harm amount to customers where proceeds have exceeded the original cost of the asset.

13 The Board went on to apply the no-harm test to the present facts. It noted that in its decision on the application for the approval of the sale, it had already considered the no-harm test to be satisfied. However, in that first decision, it had not made a finding with respect to the specific impact on future operating costs, including the particular lease arrangement being entered into by **ATCO**.

14 The Board then reviewed the submissions with respect to the allocation of the net gain and rejected the submission that if the new owner had no use of the buildings on the land, this should affect the allocation of net proceeds. The Board held that the buildings did have some present value but did not find it necessary to fix a specific value. The Board recognized and confirmed that the *TransAlta Formula* was one whereby the "windfall" realized when the proceeds of sale exceed the original cost could be shared between customers and shareholders. It held that it should apply the formula in this case and that it would consider the gain on the transaction as a whole, not distinguishing between the proceeds allocated to land separately from the proceeds allocated to buildings.

15 With respect to allocation of the gain between customers and shareholders of **ATCO**, the Board tried to balance the interests of both the customers' desire for safe reliable service at a reasonable cost with the provision of a fair return on the investment made by the company (paras. 112-13):

To award the entire net gain on the land and buildings to the customers, while beneficial to the customers, could establish an environment that may deter the process wherein the company continually assesses its operation to identify, evaluate, and select options that continually increase efficiency and reduce costs.

Conversely, to award the entire net gain to the company may establish an environment where a regulated utility company might be moved to speculate in non-depreciable property or result in the company being motivated to identify and sell existing properties where appreciation has already occurred.

16 The Board went on to conclude that the sharing of the net gain on the sale of the land and buildings collectively, in accordance with the *TransAlta Formula*, was equitable in the circumstances of this application and was consistent with past Board decisions.

17 The Board determined that from the gross proceeds of \$6,550,000, **ATCO** should receive \$465,000 to cover the cost of disposition (\$265,000) and the provision for environmental remediation.

tion (\$200,000), the shareholders should receive \$2,014,690, and \$4,070,310 should go to the customers. Of the amount credited to shareholders, \$225,245 was to be used to remove the remaining net book value of the property from **ATCO's** accounts. Of the amount allocated to customers, \$3,045,813 was allocated to **ATCO Gas - South** customers and \$1,024,497 to **ATCO Pipelines - South** customers.

1.2.2 Court of Appeal of Alberta ((2004), 24 Alta. L.R. (4th) 205, 2004 ABCA 3)

18 **ATCO** appealed the Board's decision. It argued that the Board did not have any jurisdiction to allocate the proceeds of sale and that the proceeds should have been allocated entirely to the shareholders. In its view, allowing customers to share in the proceeds of sale would result in them benefiting twice, since they had been spared the costs of renovating the sold assets and would enjoy cost savings from the lease arrangements. The Court of Appeal of Alberta agreed with **ATCO**, allowing the appeal and setting aside the Board's decision. The matter was referred back to the Board, and the Board was directed to allocate the entire amount appearing in Line 11 of the allocation of proceeds, entitled "Remainder to be Shared" to **ATCO**. For the reasons that follow, the Court of Appeal's decision should be upheld, in part; it did not err when it held that the Board did not have the jurisdiction to allocate the proceeds of the sale to ratepayers.

2. Analysis

2.1 *Issues*

19 There is an appeal and a cross-appeal in this case: an appeal by the City in which it submits that, contrary to the Court of Appeal's decision, the Board had jurisdiction to allocate a portion of the net gain on the sale of a utility asset to the rate-paying customers, even where no harm to the public was found at the time the Board approved the sale, and a cross-appeal by **ATCO** in which it questions the Board's jurisdiction to allocate any of **ATCO's** proceeds from the sale to customers. In particular, **ATCO** contends that the Board has no jurisdiction to make an allocation to rate-paying customers, equivalent to the accumulated depreciation calculated for prior years. No matter how the issue is framed, it is evident that the crux of this appeal lies in whether the Board has the jurisdiction to distribute the gain on the sale of a utility company's asset.

20 Given my conclusion on this issue, it is not necessary for me to consider whether the Board's allocation of the proceeds in this case was reasonable. Nevertheless, as I note at para. 82, I will direct my attention briefly to the question of the exercise of discretion in view of my colleague's reasons.

2.2 *Standard of Review*

21 As this appeal stems from an administrative body's decision, it is necessary to determine the appropriate level of deference which must be shown to the body. Wittman J.A., writing for the Court of Appeal, concluded that the issue of jurisdiction of the Board attracted a standard of correctness. **ATCO** concurs with this conclusion. I agree. No deference should be shown for the Board's decision with regard to its jurisdiction on the allocation of the net gain on sale of assets. An inquiry into the factors enunciated by this Court in *Pushpanathan v. Canada (Minister of Citizenship and Immigration)*, [1998] 1 S.C.R. 982, confirms this conclusion, as does the reasoning in *United Taxi Drivers' Fellowship of Southern Alberta v. Calgary (City)*, [2004] 1 S.C.R. 485, 2004 SCC 19.

22 Although it is not necessary to conduct a full analysis of the standard of review in this case, I will address the issue briefly in light of the fact that Binnie J. deals with the exercise of discretion in his reasons for judgment. The four factors that need to be canvassed in order to determine the appropriate standard of review of an administrative tribunal decision are: 1) the existence of a privative clause; 2) the expertise of the tribunal/board; 3) the purpose of the governing legislation and the particular provisions; and 4) the nature of the problem (*Pushpanathan*, at paras. 29-38).

23 In the case at bar, one should avoid a hasty characterizing of the issue as "jurisdictional" and subsequently be tempted to skip the pragmatic and functional analysis. A complete examination of the factors is required.

24 First, s. 26(1) of the AEUBA grants a right of appeal, but in a limited way. Appeals are allowed on a question of jurisdiction or law and only after leave to appeal is obtained from a judge:

26(1) Subject to subsection (2), an appeal lies from the Board to the Court of Appeal on a question of jurisdiction or on a question of law.

(2) Leave to appeal may be obtained from a judge of the Court of Appeal only on an application made

(a) within 30 days from the day that the order, decision or direction sought to be appealed from was made, or

(b) within a further period of time as granted by the judge where the judge is of the opinion that the circumstances warrant the granting of that further period of time.

In addition, the AEUBA includes a privative clause which states that every action, order, ruling or decision of the Board is final and shall not be questioned, reviewed or restrained by any proceeding in the nature of an application for judicial review or otherwise in any court (s. 27).

25 The presence of a statutory right of appeal on questions of jurisdiction and law suggests a more searching standard of review and less deference to the Board on those questions (see *Pushpanathan*, at para. 30). However, the presence of the privative clause and right to appeal are not decisive, and one must proceed with the examination of the nature of the question to be determined and the relative expertise of the tribunal in those particular matters.

26 Second, as observed by the Court of Appeal, no one disputes the fact that the Board is a specialized body with a high level of expertise regarding Alberta's energy resources and utilities (see, e.g., *Consumers' Gas Co. v. Ontario (Energy Board)*, [2001] O.J. No. 5024 (QL), (Div. Ct.), at para. 2 ; *Coalition of Citizens Impacted by the Caroline Shell Plant v. Alberta (Energy Utilities Board)* (1996), 41 Alta. L.R. (3d) 374 (C.A.), at para. 14. In fact, the Board is a permanent tribunal with a long-term regulatory relationship with the regulated utilities.

27 Nevertheless, the Court is concerned not with the general expertise of the administrative decision maker, but with its expertise in relation to the specific nature of the issue before it. Consequently, while normally one would have assumed that the Board's expertise is far greater than that of a court, the nature of the problem at bar, to adopt the language of the Court of Appeal (para. 35),

"neutralizes" this deference. As I will elaborate below, the expertise of the Board is not engaged when deciding the scope of its powers.

28 Third, the present case is governed by three pieces of legislation: the PUBA, the GUA and the AEUBA. These statutes give the Board a mandate to safeguard the public interest in the nature and quality of the service provided to the community by public utilities: *Atco Ltd. v. Calgary Power Ltd.*, [1982] 2 S.C.R. 557, at p. 576; *Dome Petroleum Ltd. v. Public Utilities Board (Alberta)* (1976), 2 A.R. 453 (C.A.), at paras. 20-22, aff'd [1977] 2 S.C.R. 822. The legislative framework at hand has as its main purpose the proper regulation of a gas utility in the public interest, more specifically the regulation of a monopoly in the public interest with its primary tool being rate setting, as I will explain later.

29 The particular provision at issue, s. 26(2)(d)(i) of the GUA, which requires a utility to obtain the approval of the regulator before it sells an asset, serves to protect the customers from adverse results brought about by any of the utility's transactions by ensuring that the economic benefits to customers are enhanced (MacAvoy and Sidak, at pp. 234-36).

30 While at first blush the purposes of the relevant statutes and of the Board can be conceived as a delicate balancing between different constituencies, i.e., the utility and the customer, and therefore entail determinations which are polycentric (*Pushpanathan*, at para. 36), the interpretation of the enabling statutes and the particular provisions under review (s. 26(2)(d) GUA and s. 15(3)(d) AEUBA) is not a polycentric question, contrary to the conclusion of the Court of Appeal. It is an inquiry into whether a proper construction of the enabling statutes gives the Board jurisdiction to allocate the profits realized from the sale of an asset. The Board was not created with the main purpose of interpreting the AEUBA, the GUA or the PUBA in the abstract, where no policy consideration is at issue, but rather to ensure that utility rates are always just and reasonable (see *Atco Ltd.*, at p. 576). In the case at bar, this protective role does not come into play. Hence, this factor points to a less deferential standard of review.

31 Fourth, the nature of the problem underlying each issue is different. The parties are in essence asking the Court to answer two questions (as I have set out above), the first of which is to determine whether the power to dispose of the proceeds of sale falls within the Board's statutory mandate. The Board, in its decision, determined that it had the power to allocate a portion of the proceeds of a sale of utility assets to the ratepayers; it based its decision on its statutory powers, the equitable principles rooted in the "regulatory compact" (see para. 63 of these reasons) and previous practice. This question is undoubtedly one of law and jurisdiction. The Board would arguably have no greater expertise with regard to this issue than the courts. A court is called upon to interpret provisions that have no technical aspect, in contrast with the provision disputed in *Barrie Public Utilities v. Canadian Cable Television Assn.*, [2003] 1 S.C.R. 476, 2003 SCC 28, at para. 86. The interpretation of general concepts such as "public interest" and "conditions" (as found in s. 15(3)(d) of the AEUBA) is not foreign to courts and is not derived from an area where the tribunal has been held to have greater expertise than the courts. The second question is whether the method and actual allocation in this case were reasonable. To resolve this issue, one must consider case law, policy justifications and the practice of other boards, as well as the details of the particular allocation in this case. The issue here is most likely characterized as one of mixed fact and law.

32 In light of the four factors, I conclude that each question requires a distinct standard of review. To determine the Board's power to allocate proceeds from a sale of utility assets suggests a standard of review of correctness. As expressed by the Court of Appeal, the focus of this inquiry remains on

the particular provisions being invoked and interpreted by the tribunal (s. 26(2)(d) of the GUA and s. 15(3)(d) of the AEUBA) and "goes to jurisdiction" (*Pushpanathan*, at para. 28). Moreover, keeping in mind all the factors discussed, the generality of the proposition will be an additional factor in favour of the imposition of a correctness standard, as I stated in *Pushpanathan*, at para. 38:

... the broader the propositions asserted, and the further the implications of such decisions stray from the core expertise of the tribunal, the less likelihood that deference will be shown. Without an implied or express legislative intent to the contrary as manifested in the criteria above, legislatures should be assumed to have left highly generalized propositions of law to courts.

33 The second question regarding the Board's actual method used for the allocation of proceeds likely attracts a more deferential standard. On the one hand, the Board's expertise, particularly in this area, its broad mandate, the technical nature of the question and the general purposes of the legislation, all suggest a relatively high level of deference to the Board's decision. On the other hand, the absence of a privative clause on questions of jurisdiction and the reference to law needed to answer this question all suggest a less deferential standard of review which favours reasonableness. It is not necessary, however, for me to determine which specific standard would have applied here.

34 As will be shown in the analysis below, I am of the view that the Court of Appeal made no error of fact or law when it concluded that the Board acted beyond its jurisdiction by misapprehending its statutory and common law authority. However, the Court of Appeal erred when it did not go on to conclude that the Board has no jurisdiction to allocate any portion of the proceeds of sale of the property to ratepayers.

2.3 *Was the Board's Decision as to its Jurisdiction Correct?*

35 Administrative tribunals or agencies are statutory creations: they cannot exceed the powers that were granted to them by their enabling statute; they must "adhere to the confines of their statutory authority or 'jurisdiction'"; and they cannot trespass in areas where the legislature has not assigned them authority": Mullan, at pp. 9-10 (see also S. Blake, *Administrative Law in Canada*, (3rd ed. 2001), at pp. 183-184).

36 In order to determine whether the Board's decision that it had the jurisdiction to allocate proceeds from the sale of a utility's asset was correct, I am required to interpret the legislative framework by which the Board derives its powers and actions.

2.3.1 General Principles of Statutory Interpretation

37 For a number of years now, the Court has adopted E. A. Driedger's modern approach as the method to follow for statutory interpretation (*Construction of Statutes* (2nd ed. 1983), at p. 87):

Today there is only one principle or approach, namely, the words of an Act are to be read in their entire context and in their grammatical and ordinary sense harmoniously with the scheme of the Act, the object of the Act, and the intention of Parliament.

(See, e.g., see *Rizzo & Rizzo Shoes Ltd. (Re)*, [1998] 1 S.C.R. 27, at para. 21; *Bell ExpressVu Limited Partnership v. Rex*, [2002] 2 S.C.R. 559, 2002 SCC 42, at para. 26; *H.L. v. Canada (Attorney General)*, [2005] 1 S.C.R. 401, 2005 SCC 25, at paras. 186-87; *Marche v. Halifax Insurance Co.*,

[2005] 1 S.C.R. 47, 2005 SCC 6, at para. 54; *Barrie Public Utilities*, at paras. 20 and 86; *Contino v. Leonelli-Contino*, 2005 SCC 63, at para. 19.)

38 But more specifically in the area of administrative law, tribunals and boards obtain their jurisdiction over matters from two sources: 1) express grants of jurisdiction under various statutes (explicit powers); and 2) the common law, by application of the doctrine of jurisdiction by necessary implication (implicit powers) (see also D. M. Brown, *Energy Regulation in Ontario* (loose-leaf ed.), at p. 2-15).

39 The City submits that it is both implicit and explicit within the express jurisdiction that has been conferred upon the Board to approve or refuse to approve the sale of utility assets, that the Board can determine how to allocate the proceeds of the sale in this case. **ATCO** retorts that not only is such a power absent from the explicit language of the legislation, but it cannot be "implied" from the statutory regime as necessarily incidental to the explicit powers. I agree with **ATCO's** submissions and will elaborate in this regard.

2.3.2 Explicit Powers: Grammatical and Ordinary Meaning

40 As a preliminary submission, the City argues that given that **ATCO** applied to the Board for approval of both the sale transaction and the disposition of the proceeds of sale, this suggests that **ATCO** recognized that the Board has authority to allocate the proceeds as a condition of a proposed sale. This argument does not hold any weight in my view. First, the application for approval cannot be considered on its own an admission by **ATCO** of the jurisdiction of the Board. In any event, an admission of this nature would not have any bearing on the applicable law. Moreover, knowing that in the past the Board had decided that it had jurisdiction to allocate the proceeds of a sale of assets and had acted on this power, one can assume that **ATCO** was asking for the approval of the disposition of the proceeds should the Board not accept their argument on jurisdiction. In fact, a review of past Board decisions on the approval of sales shows that utility companies have constantly challenged the Board's jurisdiction to allocate the net gain on the sale of assets (see, e.g., *TransAlta Utilities Corp.*, Alta. E.U.B. Decision 2000-41; *ATCO Gas-North, A Division of ATCO Gas and Pipelines Ltd.*, Alta. E.U.B. Decision 2001-65; *Alberta Government Telephones* (1984), Alta. P.U.B. Decision No. E84081; *TransAlta Utilities Corp.* (1984), Alta. P.U.B. Decision No. E84116; *TransAlta Utilities Corp. (Re)*, [2002] A.E.U.B.D. No. 30 (QL); *ATCO Electric Ltd. (Re)*, [2003] A.E.U.B.D. No. 92 (QL)).

41 The starting point of the analysis requires that the Court examine the ordinary meaning of the sections at the centre of the dispute, s. 26(2)(d)(i) of the GUA, ss. 15(1) and (3)(d) of the AEUBA and s. 37 of the PUBA. For ease of reference, I reproduce these provisions:

GUA

26. ...

(2) No owner of a gas utility designated under subsection (1) shall

...

(d) without the approval of the Board,

- (i) sell, lease, mortgage or otherwise dispose of or encumber its property, franchises, privileges or rights, or any part of it or them

...

and a sale, lease, mortgage, disposition, encumbrance, merger or consolidation made in contravention of this clause is void, but nothing in this clause shall be construed to prevent in any way the sale, lease, mortgage, disposition, encumbrance, merger or consolidation of any of the property of an owner of a gas utility designated under subsection (1) in the ordinary course of the owner's business.

AEUBA

15(1) For the purposes of carrying out its functions, the Board has all the powers, rights and privileges of the ERCB [Energy Resources Conservation Board] and the PUB [Public Utilities Board] that are granted or provided for by any enactment or by law.

...

(3) Without restricting subsection (1), the Board may do all or any of the following:

...

- (d) with respect to an order made by the Board, the ERCB or the PUB in respect of matters referred to in clauses (a) to (c), make any further order and impose any additional conditions that the Board considers necessary in the public interest;

...

PUBA

37 In matters within its jurisdiction the Board may order and require any person or local authority to do forthwith or within or at a specified time and in any manner prescribed by the Board, so far as it is not inconsistent with this Act or any other Act conferring jurisdiction, any act, matter or thing that the person or local authority is or may be required to do under this Act or under any other general or special Act, and may forbid the doing or continuing of any act, matter or thing that is in contravention of any such Act or of any regulation, rule, order or direction of the Board.

42 Some of the above provisions are duplicated in the other two statutes (see, e.g., PUBA, ss. 85(1) and 101(2)(d)(i); GUA, s. 22(1); see Appendix).

43 There is no dispute that s. 26(2) of the GUA contains a prohibition against, among other things, the owner of a utility selling, leasing, mortgaging or otherwise disposing of its property outside of the ordinary course of business without the approval of the Board. As submitted by **ATCO**, the power conferred is to approve without more. There is no mention in s. 26 of the grounds for granting or denying approval or of the ability to grant conditional approval, let alone the power of the Board to allocate the net profit of an asset sale. I would note in passing that this power is sufficient to alleviate the fear expressed by the Board that the utility might be tempted to sell assets on which it might realize a large profit to the detriment of ratepayers if it could reap the benefits of the sale.

44 It is interesting to note that s. 26(2) does not apply to all types of sales (and leases, mortgages, dispositions, encumbrances, mergers or consolidations). It excludes sales in the ordinary course of the owner's business. If the statutory scheme was such that the Board had the power to allocate the proceeds of the sale of utility assets, as argued here, s. 26(2) would naturally apply to all sales of assets or, at a minimum, exempt only those sales below a certain value. It is apparent that allocation of sale proceeds to customers is not one of its purposes. In fact, s. 26(2) can only have limited, if any, application to non-utility assets not related to utility function (especially when the sale has passed the "no-harm" test). The provision can only be meant to ensure that the asset in question is indeed non-utility, so that its loss does not impair the utility function or quality.

45 Therefore, a simple reading of s. 26(2) of the GUA does permit one to conclude that the Board does not have the power to allocate the proceeds of an asset sale.

46 The City does not limit its arguments to s. 26(2); it also submits that the AEUBA, pursuant to s. 15(3), is an express grant of jurisdiction because it authorizes the Board to impose any condition to any order so long as the condition is necessary in the public interest. In addition, it relies on the general power in s. 37 of the PUBA for the proposition that the Board may, in any matter within its jurisdiction, make any order pertaining to that matter that is not inconsistent with any applicable statute. The intended meaning of these two provisions, however, is lost when the provisions are simply read in isolation as proposed by the City: R. Sullivan, *Sullivan and Driedger on the Construction of Statutes* (4th ed. 2002), at p. 21; *Canadian Pacific Air Lines Ltd. v. Canadian Air Line Pilots Assn.*, [1993] 3 S.C.R. 724, at p. 735; *Marche*, at paras. 59-60; *Bristol-Myers Squibb Co. v. Canada (Attorney General)*, [2005] 1 S.C.R. 533, 2005 SCC 26, at para. 105). These provisions on their own are vague and open-ended. It would be absurd to allow the Board an unfettered discretion to attach any condition it wishes to an order it makes. Furthermore, the concept of "public interest" found in s. 15(3) is very wide and elastic; the Board cannot be given total discretion over its limitations.

47 While I would conclude that the legislation is silent as to the Board's power to deal with sale proceeds after the initial stage in the statutory interpretation analysis, because the provisions can nevertheless be said to reveal some ambiguity and incoherence, I will pursue the inquiry further.

48 This Court has stated on numerous occasions that the grammatical and ordinary sense of a section is not determinative and does not constitute the end of the inquiry. The Court is obliged to consider the total context of the provisions to be interpreted, no matter how plain the disposition may seem upon initial reading (see *Chieu v. Canada (Minister of Citizenship and Immigration)*, [2002] 1 S.C.R. 84, 2002 SCC 3, at para. 34; *Sullivan*, at pp. 20-21). I will therefore proceed to examine the purpose and scheme of the legislation, the legislative intent and the relevant legal norms.

2.3.3 Implicit Powers: Entire Context

49 The provisions at issue are found in statutes which are themselves components of a larger statutory scheme which cannot be ignored:

As the product of a rational and logical legislature, the statute is considered to form a system. Every component contributes to the meaning as a whole, and the whole gives meaning to its parts: "each legal provision should be considered in relation to other provisions, as parts of a whole" ...

(P.-A. Côté, *The Interpretation of Legislation in Canada* (3rd ed. 2000), at p. 308)

As in any statutory interpretation exercise, when determining the powers of an administrative body, courts need to examine the context that colours the words and the legislative scheme. The ultimate goal is to discover the clear intent of the legislature and the true purpose of the statute while preserving the harmony, coherence and consistency of the legislative scheme (*Bell ExpressVu*, at para. 27; see also *Interpretation Act*, R.S.A. 2000, c. I-8, s. 10 (in Appendix)). "[S]tatutory interpretation is the art of finding the legislative spirit embodied in enactments": *Bristol-Myers Squibb Co.*, at para. 102.

50 Consequently, a grant of authority to exercise a discretion as found in s. 15(3) of the AEUBA and s. 37 of the PUBA does not confer unlimited discretion to the Board. As submitted by **ATCO**, the Board's discretion is to be exercised within the confines of the statutory regime and principles generally applicable to regulatory matters, for which the legislature is assumed to have had regard in passing that legislation (see Sullivan, at pp. 154-55). In the same vein, it is useful to refer to the following passage from *Bell Canada v. Canada (Canadian Radio-Television and Telecommunications Commission)*, [1989] 1 S.C.R. 1722, at p. 1756:

The powers of any administrative tribunal must of course be stated in its enabling statute but they may also exist by necessary implication from the wording of the act, its structure and its purpose. Although courts must refrain from unduly broadening the powers of such regulatory authorities through judicial law-making, they must also avoid sterilizing these powers through overly technical interpretations of enabling statutes.

51 The mandate of this Court is to determine and apply the intention of the legislature (*Bell ExpressVu*, at para. 62) without crossing the line between judicial interpretation and legislative drafting (see *R. v. McIntosh*, [1995] 1 S.C.R. 686, at para. 26; *Bristol-Myers Squibb Co.*, at para. 174). That being said, this rule allows for the application of the "doctrine of jurisdiction by necessary implication"; the powers conferred by an enabling statute are construed to include not only those expressly granted but also, by implication, all powers which are practically necessary for the accomplishment of the object intended to be secured by the statutory regime created by the legislature (see Brown, at p. 2-16.2; *Bell Canada*, at p. 1756). Canadian courts have in the past applied the doctrine to ensure that administrative bodies have the necessary jurisdiction to accomplish their statutory mandate:

When legislation attempts to create a comprehensive regulatory framework, the tribunal must have the powers which by practical necessity and necessary implication flow from the regulatory authority explicitly conferred upon it.

Re Dow Chemical Canada Inc. and Union Gas Ltd. (1982), 141 D.L.R. (3d) 641 (Ont. H.C.J.), at pp. 658-59, aff'd (1983), 42 O.R. (2d) 731 (C.A.) (see also *Interprovincial Pipe Line Ltd. v. National Energy Board*, [1978] 1 F.C. 601 (C.A.); *Canadian Broadcasting League v. Canadian Radio-television and Telecommunications Commission*, [1983] 1 F.C. 182 (C.A.), aff'd. [1985] 1 S.C.R. 174).

52 I understand the City's arguments to be as follows : 1) the customers acquire a right to the property of the owner of the utility when they pay for the service and are therefore entitled to a return on the profits made at the time of the sale of the property; and 2) the Board has, by necessity, because of its jurisdiction to approve or refuse to approve the sale of utility assets, the power to allocate the proceeds of the sale as a condition of its order. The doctrine of jurisdiction by necessary implication is at the heart of the City's second argument. I cannot accept either of these arguments which are, in my view, diametrically contrary to the state of the law. This is revealed when we scrutinize the entire context which I will now endeavour to do.

53 After a brief review of a few historical facts, I will probe into the main function of the Board, rate setting, and I will then explore the incidental powers which can be derived from the context.

2.3.3.1 *Historical Background and Broader Context*

54 The history of public utilities regulation in Alberta originated with the creation in 1915 of the Board of Public Utility Commissioners by *The Public Utilities Act*, S.A. 1915, c. 6. This statute was based on similar American legislation: H. R. Milner, "Public Utility Rate Control in Alberta" (1930), 8 *Can. Bar Rev.* 101, at p. 101. While the American jurisprudence and texts in this area should be considered with caution given that Canada and the United States have very different political and constitutional-legal regimes, they do shed some light on the issue.

55 Pursuant to *The Public Utilities Act*, the first public utility board was established as a three-member tribunal to provide general supervision of all public utilities (s. 21), to investigate rates (s. 23), to make orders regarding equipment (s. 24), and to require every public utility to file with it complete schedules of rates (s. 23). Of interest for our purposes, the 1915 statute also required public utilities to obtain the approval of the Board of Public Utility Commissioners before selling any property when outside the ordinary course of their business (s. 29(g)).

56 The Alberta Energy and Utilities Board was created in February 1995 by the amalgamation of the Energy Resources Conservation Board and the Public Utilities Board (see Canadian Institute of Resources Law, *Canada Energy Law Service: Alberta* (loose-leaf ed.), at p. 30-3101). Since then, all matters under the jurisdiction of the Energy Resources Conservation Board and the Public Utilities Board have been handled by the Alberta Energy and Utilities Board and are within its exclusive jurisdiction. The Board has all of the powers, rights and privileges of its two predecessor boards (AEUBA, ss. 13, 15(1); GUA, s. 59).

57 In addition to the powers found in the 1915 statute, which have remained virtually the same in the present PUBA , the Board now benefits from the following express powers to:

1. make an order respecting the improvement of the service or commodity (PUBA, s. 80(b))
2. approve the issue by the public utility of shares, stocks, bonds and other evidences of indebtedness (GUA, s. 26(2)(a)); PUBA, s. 101(2)(a));
3. approve the lease, mortgage, disposition or encumbrance of the public utility's property, franchises, privileges or rights (GUA, s. 26(2)(d)(i); PUBA, s. 101(2)(d)(i));
4. approve the merger or consolidation of the public utility's property, franchises, privileges or rights (GUA, s. 26(2)(d)(ii); PUBA, s. 101(2)(d)(ii)); and
5. authorize the sale or permit to be made on the public utility's book a transfer of any share of its capital stock to a corporation that would result in the vesting in that corporation of more than 50% of the outstanding capital stock of the owner of the public utility (GUA, 27(1); PUBA, s. 102(1)).

58 It goes without saying that public utilities are very limited in the actions they can take, as evidenced from the above list. Nowhere is there a mention of the authority to allocate proceeds from a sale or the discretion of the Board to interfere with ownership rights.

59 Even in 1995 when the legislature decided to form the Alberta Energy and Utilities Board, it did not see fit to modify the PUBA or the GUA to provide the new Board with the power to allocate the proceeds of a sale even though the controversy surrounding this issue was full-blown (see, e.g., *Alberta Government Telephones* (1984), Alta. P.U.B. Decision No. E84081; *TransAlta Utilities Corp.* (1984), Alta. P.U.B. Decision No. E84116). It is a well-established principle that the legislature is presumed to have a mastery of existing law, both common law and statute law (see Sullivan, at pp. 154-55). It is also presumed to have known all of the circumstances surrounding the adoption of new legislation.

60 Although the Board may seem to possess a variety of powers and functions, it is manifest from a reading of the AEUBA, the PUBA and the GUA that the principal function of the Board in respect of public utilities is the determination of rates. Its power to supervise the finances of these companies and their operations, although wide, is in practice incidental to fixing rates (see Milner, at p. 102; Brown, at p. 2-16.6). Estey J., speaking for the majority of this Court in *Atco Ltd.*, at p. 576, echoed this view when he said:

It is evident from the powers accorded to the Board by the legislature in both statutes mentioned above that the legislature has given the Board a mandate of the widest proportions to safeguard the public interest in the nature and quality of the service provided to the community by the public utilities. Such an extensive regulatory pattern must, for its effectiveness, include the right to control the combination or, as the legislature says, "the union" of existing systems and facilities. This no doubt has a direct relationship with the rate-fixing function which ranks high in the authority and functions assigned to the Board [Emphasis added.]

In fact, even the Board itself, on its website (<http://www.eub.gov.ab.ca/BBS/eubinfo/default.htm>), describes its functions as follows:

We regulate the safe, responsible, and efficient development of Alberta's energy resources: oil, natural gas, oil sands, coal, and electrical energy; and the pipelines and transmission lines to move the resources to market. On the utilities side, we regulate rates and terms of service of investor-owned natural gas, electric, and water utility services, as well as the major intra-Alberta gas transmission system, to ensure that customers receive safe and reliable service at just and reasonable rates. [Emphasis added.]

61 The process by which the Board sets the rates is therefore central and deserves some attention in order to ascertain the validity of the City's first argument.

2.3.3.2 Rate Setting

62 Rate regulation serves several aims - sustainability, equity and efficiency - which underlie the reasoning as to how rates are fixed:

... the regulated company must be able to finance its operations, and any required investment, so that it can continue to operate in the future. Equity is related to the distribution of welfare among members of society. The objective of sustainability already implies that shareholders should not receive "too low" a return (and defines this in terms of the reward necessary to ensure continued investment in the utility), while equity implies that their returns should not be "too high".

(R. Green and M. Rodriguez Pardina, *Resetting Price Controls for Privatized Utilities: A Manual for Regulators* (1999), at p. 5)

63 These goals have resulted in an economic and social arrangement dubbed the "regulatory compact", which ensures that all customers have access to the utility at a fair price - nothing more. As I will further explain, it does not transfer onto the customers any property right. Under the regulatory compact, the regulated utilities are given exclusive rights to sell their services within a specific area at rates that will provide companies the opportunity to earn a fair return for their investors. In return for this right of exclusivity, utilities assume a duty to adequately and reliably serve all customers in their determined territories, and are required to have their rates and certain operations regulated (see Black, at pp. 356-57; Milner, at p. 101; *Atco*, at p. 576; *Northwestern Utilities Ltd. v. City of Edmonton*, [1929] S.C.R. 186, at pp. 192-93 (hereinafter "*Northwestern 1929*").

64 Therefore, when interpreting the broad powers of the Board, one cannot ignore this well-balanced regulatory arrangement which serves as a backdrop for contextual interpretation. The object of the statutes is to protect both the customer and the investor (Milner, at p. 101). The arrangement does not, however, cancel the private nature of the utility. In essence, the Board is responsible for maintaining a tariff that enhances the economic benefits to consumers and investors of the utility.

65 The Board derives its power to set rates from both the GUA (ss. 16, 17 and 36 to 45) and the PUBA (ss. 89 to 95). The Board is mandated to fix "just and reasonable ... rates" (PUBA, s. 89(a), GUA, s. 36(a)). In the establishment of these rates, the Board is directed to "determine a rate base for the property of the owner" and "fix a fair return on the rate base" (GUA, s. 37(1)). This Court, in *Northwestern Utilities Ltd. v. City of Edmonton*, [1979] 1 S.C.R. 684, at p. 691 (hereinafter "*Northwestern 1979*"), adopted the following description of the process:

The PUB approves or fixes utility rates which are estimated to cover expenses plus yield the utility a fair return or profit. This function is generally performed in two phases. In Phase I the PUB determines the rate base, that is the amount of money which has been invested by the company in the property, plant and equipment plus an allowance for necessary working capital all of which must be determined as being necessary to provide the utility service. The revenue required to pay all reasonable operating expenses plus provide a fair return to the utility on its rate base is also determined in Phase I. The total of the operating expenses plus the return is called the revenue requirement. In Phase II rates are set, which, under normal temperature conditions are expected to produce the estimates of "forecast revenue requirement". These rates will remain in effect until changed as the result of a further application or complaint or the Board's initiative. Also in Phase II existing interim rates may be confirmed or reduced and if reduced a refund is ordered.

(See also *Re Gas Utilities Act and Public Utilities Board Act* (1984), Alta. P.U.B. Decision No. E84113, at p. 23; *Re Union Gas Ltd. and Ontario Energy Board* (1983), 1 D.L.R. (4th) 698 (Ont. Div. Ct.), at pp. 701-702.)

66 Consequently, when determining the rate base, the Board is to give due consideration (GUA, s. 37(2)):

- (a) to the cost of the property when first devoted to public use and to prudent acquisition cost to the owner of the gas utility, less depreciation, amortization or depletion in respect of each, and
- (b) to necessary working capital.

67 The fact that the utility is given the opportunity to make a profit on its services and a fair return on its investment in its assets should not and cannot stop the utility from benefiting from the profits which follow the sale of assets. Neither is the utility protected from losses incurred from the sale of assets. In fact, the wording of the sections quoted above suggests that the ownership of the assets is clearly that of the utility; ownership of the asset and entitlement to profits or losses upon its realization are one and the same. The equity investor expects to receive the net revenues after all costs are paid, equal to the present value of original investment at the time of that investment. The disbursement of some portions of the residual amount of net revenue, by after-the-fact reallocation to rate-paying customers, undermines that investment process: MacAvoy and Sidak, at p. 244. In fact, speculation would accrue even more often should the public utility, through its shareholders, not be the one to benefit from the possibility of a profit, as investors would expect to receive a larger premium for their funds through the only means left available, the return on their original investment. In addition, they would be less willing to accept any risk.

68 Thus, can it be said, as alleged by the City, that the customers have a property interest in the utility? Absolutely not: that cannot be so, as it would mean that fundamental principles of corporate law would be distorted. Through the rates, the customers pay an amount for the regulated service that equals the cost of the service and the necessary resources. They do not by their payment implicitly purchase the asset from the utility's investors. The payment does not incorporate acquiring ownership or control of the utility's assets. The ratepayer covers the cost of using the service, not the

holding cost of the assets themselves: "A utility's customers are not its owners, for they are not residual claimants": MacAvoy and Sidak, at p. 245 (see also p. 237). Ratepayers have made no investment. Shareholders have and they assume all risks as the residual claimants to the utility's profit. Customers have only "the risk of a price change resulting from any (authorized) change in the cost of service. This change is determined only periodically in a tariff review by the regulator" (MacAvoy and Sidak, p. 245).

69 In this regard, I agree with **ATCO** when it asserts in its factum, at para. 38:

The property in question is as fully the private property of the owner of the utility as any other asset it owns. Deployment of the asset in utility service does not create or transfer any legal or equitable rights in that property for ratepayers. Absent any such interest, any taking such as ordered by the Board is confiscatory ...

Wittmann J.A., at the Court of Appeal, said it best when he stated:

Consumers of utilities pay for a service, but by such payment, do not receive a proprietary right in the assets of the utility company. Where the calculated rates represent the fee for the service provided in the relevant period of time, ratepayers do not gain equitable or legal rights to non-depreciable assets when they have paid only for the use of those assets. [Emphasis added; para. 64.]

I fully adopt this conclusion. The Board misdirected itself by confusing the interests of the customers in obtaining safe and efficient utility service with an interest in the underlying assets owned only by the utility. While the utility has been compensated for the services provided, the customers have provided no compensation for receiving the benefits of the subject property. The argument that assets purchased are reflected in the rate base should not cloud the issue of determining who is the appropriate owner and risk bearer. Assets are indeed considered in rate setting, as a factor, and utilities cannot sell an asset used in the service to create a profit and thereby restrict the quality or increase the price of service. Despite the consideration of utility assets in the rate-setting process, shareholders are the ones solely affected when the actual profits or losses of such a sale are realized; the utility absorbs losses and gains, increases and decreases in the value of assets, based on economic conditions and occasional unexpected technical difficulties, but continues to provide certainty in service both with regard to price and quality. There can be a default risk affecting ratepayers, but this does not make ratepayers residual claimants. While I do not wish to unduly rely on American jurisprudence, I would note that the leading U.S. case on this point is *Duquesne Light Co. v. Barasch*, 488 U.S. 299 (1989), which relies on the same principle as was adopted in *Market St. Ry. Co. v. Railroad Commission of State of California*, 324 US 548 (1945).

70 Furthermore, one has to recognize that utilities are not Crown entities, fraternal societies or cooperatives, or mutual companies, although they have a "public interest" aspect which is to supply the public with a necessary service (in the present case, the provision of natural gas). The capital invested is not provided by the public purse or by the customers; it is injected into the business by private parties who expect as large a return on the capital invested in the enterprise as they would receive if they were investing in other securities possessing equal features of attractiveness, stability and certainty (see *Northwestern 1929*, at p. 192). This prospect will necessarily include any gain or loss that is made if the company divests itself of some of its assets, i.e., land, buildings, etc.

71 From my discussion above regarding the property interest, the Board was in no position to proceed with an implicit refund by allocating to ratepayers the profits from the asset sale because it considered ratepayers had paid excessive rates for services in the past. As such, the City's first argument must fail. The Board was seeking to rectify what it perceived as a historic over-compensation to the utility by ratepayers. There is no power granted in the various statutes for the Board to execute such a refund in respect of an erroneous perception of past over-compensation. It is well established throughout the various provinces that utilities boards do not have the authority to retroactively change rates (*Northwestern 1979*, at p. 691; *Re Coseka Resources Ltd. and Saratoga Processing Co.* (1981), 126 D.L.R. (3d) 705 (Alta. C.A.), at p. 715, leave to appeal refused, [1981] 2 S.C.R. vii; *Re Dow Chemical Canada Inc.* (C.A.), at pp. 734-35). But more importantly, it cannot even be said that there was over-compensation: the rate-setting process is a speculative procedure in which both the ratepayers and the shareholders jointly carry their share of the risk related to the business of the utility (see MacAvoy and Sidak, at pp. 238-39).

2.3.3.3 The Power to Attach Conditions

72 As its second argument, the City submits that the power to allocate the proceeds from the sale of the utility's assets is necessarily incidental to the express powers conferred on the Board by the AEUBA, the GUA and the PUBA. It argues that the Board must necessarily have the power to allocate sale proceeds as part of its discretionary power to approve or refuse to approve a sale of assets. It submits that this results from the fact that the Board is allowed to attach any condition to an order it makes approving such a sale. I disagree.

73 The City seems to assume that the doctrine of jurisdiction by necessary implication applies to "broadly drawn powers" as it does for "narrowly drawn powers"; this cannot be. The Ontario Energy Board in its decision in *Re Consumers' Gas Co.* (1987), E.B.R.O. 410-II/411-II/412-II, at para. 4.73, enumerated the circumstances when the doctrine of jurisdiction by necessary implication may be applied:

1. when the jurisdiction sought is necessary to accomplish the objects of the legislative scheme and is essential to the Board fulfilling its mandate;
2. when the enabling act fails to explicitly grant the power to accomplish the legislative objective;
3. when the mandate of the Board is sufficiently broad to suggest a legislative intention to implicitly confer jurisdiction;
4. when the jurisdiction sought is not one which the Board has dealt with through use of expressly granted powers, thereby showing an absence of necessity; and
5. when the legislature did not address its mind to the issue and decide against conferring the power to the Board. (See also Brown, at p. 2-16.3.)

74 In light of the above, it is clear that the doctrine of jurisdiction by necessary implication will be of less help in the case of broadly drawn powers than for narrowly drawn ones. Broadly drawn powers will necessarily be limited to only what is rationally related to the purpose of the regulatory framework. This is explained by Professor Sullivan, at p. 228:

In practice, however, purposive analysis makes the powers conferred on administrative bodies almost infinitely elastic. Narrowly drawn powers can be under-

stood to include "by necessary implication" all that is needed to enable the official or agency to achieve the purpose for which the power was granted. Conversely, broadly drawn powers are understood to include only what is rationally related to the purpose of the power. In this way the scope of the power expands or contracts as needed, in keeping with the purpose. [Emphasis added.]

75 In the case at bar, s. 15 of the AEUBA, which allows the Board to impose additional conditions when making an order, appears at first glance to be a power having infinitely elastic scope. However, in my opinion, the attempt by the City to use it to augment the powers of the Board in s. 26(2) of the GUA must fail. The Court must construe s. 15(3) of the AEUBA in accordance with the purpose of s. 26(2).

76 MacAvoy and Sidak, in their article, at pp. 234-36, suggest three broad reasons for the requirement that a sale must be approved by the Board:

1. It prevents the utility from degrading the quality, or reducing the quantity, of the regulated service so as to harm consumers;
2. It ensures that the utility maximizes the aggregate economic benefits of its operations, and not merely the benefits flowing to some interest group or stakeholder; and
3. It specifically seeks to prevent favoritism toward investors.

77 Consequently, in order to impute jurisdiction to a regulatory body to allocate proceeds of a sale, there must be evidence that the exercise of that power is a practical necessity for the regulatory body to accomplish the objects prescribed by the legislature, something which is absent in this case (see *National Energy Board Act (Can.) (Re)*, [1986] 3 F.C. 275 (C.A.)). In order to meet these three goals, it is not necessary for the Board to have control over which party should benefit from the sale proceeds. The public interest component cannot be said to be sufficient to impute to the Board the power to allocate all the profits pursuant to the sale of assets. In fact, it is not necessary for the Board in carrying out its mandate to order the utility to surrender the bulk of the proceeds from a sale of its property in order for that utility to obtain approval for a sale. The Board has other options within its jurisdiction which do not involve the appropriation of the sale proceeds, the most obvious one being to refuse to approve a sale that will, in the Board's view, affect the quality and/or quantity of the service offered by the utility or create additional operating costs for the future. This is not to say that the Board can never attach a condition to the approval of sale. For example, the Board could approve the sale of the assets on the condition that the utility company gives undertakings regarding the replacement of the assets and their profitability. It could also require as a condition that the utility reinvest part of the sale proceeds back into the company in order to maintain a modern operating system that achieves the optimal growth of the system.

78 In my view, allowing the Board to confiscate the net gain of the sale under the pretence of protecting rate-paying customers and acting in the "public interest" would be a serious misconception of the powers of the Board to approve a sale; to do so would completely disregard the economic rationale of rate setting, as I explained earlier in these reasons. Such an attempt by the Board to appropriate a utility's excess net revenues for ratepayers would be highly sophisticated opportunism and would, in the end, simply increase the utility's capital costs (MacAvoy and Sidak, at p. 246). At the risk of repeating myself, a public utility is first and foremost a private business venture which has as its goal the making of profits. This is not contrary to the legislative scheme, even

though the regulatory compact modifies the normal principles of economics with various restrictions explicitly provided for in the various enabling statutes. None of the three statutes applicable here provides the Board with the power to allocate the proceeds of a sale and therefore affect the property interests of the public utility.

79 It is well established that potentially confiscatory legislative provision ought to be construed cautiously so as not to strip interested parties of their rights without the clear intention of the legislation (see Sullivan, at pp. 400-403; Côté, at pp. 482-86; *Pacific National Investments Ltd. v. Victoria (City)*, [2000] 2 S.C.R. 919, 2000 SCC 64, at para. 26; *Leiriao v. Val-Bélair (Town)*, [1991] 3 S.C.R. 349, at p. 357; *Hongkong Bank of Canada v. Wheeler Holdings Ltd.*, [1993] 1 S.C.R. 167, at p. 197). Not only is the authority to attach a condition to allocate the proceeds of a sale to a particular party unnecessary for the Board to accomplish its role, but deciding otherwise would lead to the conclusion that a broadly drawn power can be interpreted so as to encroach on the economic freedom of the utility, depriving it of its rights. This would go against the above principles of interpretation.

80 If the Alberta legislature wishes to confer on ratepayers the economic benefits resulting from the sale of utility assets, it can expressly provide for this in the legislation, as was done by some states in the United States (e.g., Connecticut).

2.4 Other Considerations

81 Under the regulatory compact, customers are protected through the rate-setting process, under which the Board is required to make a well-balanced determination. The record shows that the City did not submit to the Board a general rate review application in response to ATCO's application requesting approval for the sale of the property at issue in this case. Nonetheless, if it chose to do so, this would not have stopped the Board, on its own initiative, from convening a hearing of the interested parties in order to modify and fix just and reasonable rates to give due consideration to any new economic data anticipated as a result of the sale (PUBA, s. 89(a); GUA, ss. 24, 36(a), 37(3), 40) (see Appendix).

2.5 If Jurisdiction Had Been Found, Was the Board's Allocation Reasonable?

82 In light of my conclusion with regard to jurisdiction, it is not necessary to determine whether the Board's exercise of discretion by allocating the sale proceeds as it did was reasonable. Nonetheless, given the reasons of my colleague Binnie J., I will address the issue very briefly. Had I not concluded that the Board lacked jurisdiction, my disposition of this case would have been the same, as I do not believe the Board met a reasonable standard when it exercised its power.

83 I am not certain how one could conclude that the Board's allocation was reasonable when it wrongly assumed that ratepayers had acquired a proprietary interest in the utility's assets because assets were a factor in the rate-setting process, and, moreover, when it explicitly concluded that no harm would ensue to customers from the sale of the asset. In my opinion, when reviewing the substance of the Board's decision, a court must conduct a two-step analysis: first, it must determine whether the order was warranted given the role of the Board to protect the customers, (i.e., was the order necessary in the public interest?); and second, if the first question is answered in the affirmative, a court must then examine the validity of the Board's application of the *TransAlta Formula* (see para. 12 of these reasons), which refers to the difference between net book value and original cost, on the one hand, and appreciation in the value of the asset on the other. For the purposes of this analysis, I view the second step as a mathematical calculation and nothing more. I do not be-

lieve it provides the criteria which guides the Board to determine if it should allocate part of the sale proceeds to ratepayers. Rather, it merely guides the Board on what to allocate and how to allocate it (if it should do so in the first place). It is also interesting to note that there is no discussion of the fact that the book value used in the calculation must be referable solely to the financial statements of the utility.

84 In my view, as I have already stated, the power of the Board to allocate proceeds does not even arise in this case. Even by the Board's own reasoning, it should only exercise its discretion to act in the public interest when customers would be harmed or would face some risk of harm. But the Board was clear: there was no harm or risk of harm in the present situation (Decision 2002-037; para. 54):

With the continuation of the same level of service at other locations and the acceptance by customers regarding the relocation, the Board is convinced there should be no impact on the level of service to customers as a result of the Sale. In any event, the Board considers that the service level to customers is a matter that can be addressed and remedied in a future proceeding if necessary.

After declaring that the customers would not, on balance, be harmed, the Board maintained that, on the basis of the evidence filed, there appeared to be a cost savings to the customers. There was no legitimate customer interest which could or needed to be protected by denying approval of the sale, or by making approval conditional on a particular allocation of the proceeds. Even if the Board had found a possible adverse effect arising from the sale, how could it allocate proceeds now based on an unquantified future potential loss? Moreover, in the absence of any factual basis to support it, I am also concerned with the presumption of bad faith on the part of **ATCO** that appears to underlie the Board's determination to protect the public from some possible future menace. In any case, as mentioned earlier in these reasons, this determination to protect the public interest is also difficult to reconcile with the actual power of the Board to prevent harm to ratepayers from occurring by simply refusing to approve the sale of a utility's asset. To that, I would add that the Board has considerable discretion in the setting of future rates in order to protect the public interest, as I have already stated.

85 In consequence, I am of the view that, in the present case, the Board did not identify any public interest which required protection and there was, therefore, nothing to trigger the exercise of the discretion to allocate the proceeds of sale. Hence, notwithstanding my conclusion on the first issue regarding the Board's jurisdiction, I would conclude that the Board's decision to exercise its discretion to protect the public interest did not meet a reasonable standard.

3. Conclusion

86 This Court's role in this case has been one of interpreting the enabling statutes using the appropriate interpretive tools, i.e. context, legislative intention and objective. Going further than required by reading in unnecessary powers of an administrative agency under the guise of statutory interpretation is not consistent with the rules of statutory interpretation. It is particularly dangerous to adopt such an approach when property rights are at stake.

87 The Board did not have the jurisdiction to allocate the proceeds of the sale of the utility's asset; its decision did not meet the correctness standard. Thus, I would dismiss the City's appeal and

allow **ATCO's** cross-appeal, both with costs. I would also set aside the Board's decision and refer the matter back to the Board to approve the sale of the property belonging to **ATCO**, recognizing that the proceeds of the sale belong to **ATCO**.

The reasons of McLachlin C.J. and Binnie and Fish JJ. were delivered by

88 BINNIE J.:-- The respondent **ATCO** Gas and Pipelines Ltd. ("**ATCO**") is part of a large entrepreneurial company that directly and through various subsidiaries operates both regulated businesses and unregulated businesses. The Alberta Energy and Utilities Board (the "Board") believes it not to be in the public interest to encourage utility companies to mix together the two types of undertakings. In particular, the Board has adopted policies to discourage utilities from using their regulated businesses as a platform to engage in land speculation to increase their return on investment outside the regulatory framework. By awarding part of the profit to the utility (and its shareholders), the Board rewards utilities for diligence in divesting themselves of assets that are no longer productive, or that could be more productively employed elsewhere. However, by crediting part of the profit on the sale of such property to the utility's rate base (i.e. as a set-off to other costs), the Board seeks to dampen any incentive for utilities to skew decisions in their regulated business to favour such profit taking unduly. Such a balance, in the Board's view, is necessary in the interest of the public which allows **ATCO** to operate its utility business as a monopoly. In pursuit of this balance, the Board approved **ATCO's** application to sell land and warehousing facilities in downtown Calgary, but denied **ATCO's** application to keep for its shareholders the entire profit resulting from appreciation in the value of the land, whose cost of acquisition had formed part of the rate base on which gas rates had been calculated since 1922. The Board ordered the profit on the sale to be allocated one third to **ATCO** and two thirds as a credit to its cost base, thereby helping keep utility rates down, and to that extent benefiting ratepayers.

89 I have read with interest the reasons of my colleague Bastarache J. but, with respect, I do not agree with his conclusion. As will be seen, the Board has authority under s. 15(3) of the *Alberta Energy and Utilities Board Act*, R.S.A. 2000, c. A-17 ("AEUBA") to impose on the sale "any additional conditions that the Board considers necessary in the public interest". Whether or not the conditions of approval imposed by the Board were necessary in the public interest was for the Board to decide. The Alberta Court of Appeal overruled the Board but, with respect, the Board is in a better position to assess necessity in this field for the protection of the public interest than either that court or this Court. I would allow the appeal and restore the Board's decision.

I. Analysis

90 **ATCO's** argument boils down to the proposition announced at the outset of its factum:

In the absence of any property right or interest and of any harm to the customers arising from the withdrawal from utility service, there was no proper ground for reaching into the pocket of the utility. In essence this case is about property rights.

(Respondent's factum, para. 2)

91 For the reasons which follow I do not believe the case is about property rights. **ATCO** chose to make its investment in a regulated industry. The return on investment in the regulated gas industry is fixed by the Board, not the free market. In my view, the essential issue is whether the Alberta

Court of Appeal was justified in limiting what the Board is allowed to "conside[r] necessary in the public interest".

A. The Board's Statutory Authority

92 The first question is one of jurisdiction. What gives the Board the authority to make the order **ATCO** complains about? The Board's answer is threefold. Section 22(1) of the *Gas Utilities Act*, R.S.A. 2000, c. G-5 ("GUA") provides in part that "[t]he Board shall exercise a general supervision over all gas utilities, and the owners of them ...". This, the Board says, gives it a broad jurisdiction to set policies that go beyond its specific powers in relation to specific applications, such as rate setting. Of more immediate pertinence, s. 26(2)(d)(i) of the same Act prohibits the regulated utility from selling, leasing or otherwise encumbering any of its property without the Board's approval. (To the same effect, see s. 101(2)(d)(i) of the *Public Utilities Board Act*, R.S.A. 2000, c. P-45.) It is common ground that this restraint on alienation of property applies to the proposed sale of **ATCO's** land and warehouse facilities in downtown Calgary, and that the Board could, in appropriate circumstances, simply have denied **ATCO's** application for approval of the sale. However, the Board was of the view to allow the sale subject to conditions. The Board ruled that the greater power (i.e. to deny the sale) must include the lesser (i.e. to allow the sale, subject to conditions) (Decision 2002-037, [2002] A.E.U.B.D. No. 52 (QL), para. 47).

In appropriate circumstances, the Board clearly has the power to prevent a utility from disposing of its property. In the Board's view it also follows that the Board can approve a disposition subject to appropriate conditions to protect customer interests.

There is no need to rely on any such implicit power to impose conditions, however. As stated, the Board's explicit power to impose conditions is found in s. 15(3) of the AEUBA, which authorizes the Board to "make any further order and impose any additional conditions that the Board considers necessary in the public interest". In *Atco Ltd. v. Calgary Power Ltd.*, [1982] 2 S.C.R. 557, at p. 576, Estey, J., for the majority, stated:

It is evident from the powers accorded to the Board by the legislature in both statutes mentioned above that the legislature has given the Board a mandate of the widest proportions to safeguard the public interest in the nature and quality of the service provided to the community by the public utilities. [Emphasis added.]

The legislature says in s. 15(3) that the conditions are to be what the Board considers necessary. Of course, the discretionary power to impose conditions thus granted is not unlimited. It must be exercised in good faith for its intended purpose: *C.U.P.E. v. Ontario (Minister of Labour)*, [2003] 1 S.C.R. 539, 2003 SCC 29. **ATCO** says the Board overstepped even these generous limits. In **ATCO's** submission:

Deployment of the asset in utility service does not create or transfer any legal or equitable rights in that property for ratepayers. Absent any such interest, any taking such as ordered by the Board is confiscatory.

(Respondent's factum, para. 38)

In my view, however, the issue before the Board was how much profit **ATCO** was entitled to earn on its investment in a regulated utility.

93 **ATCO** argues in the alternative that the Board engaged in impermissible "retroactive rate making". But Alberta is an "original cost" jurisdiction, and no one suggests that the Board's original cost rate making during the 80-plus years this investment has been reflected in **ATCO's** ratebase was wrong. The Board proposed to apply a portion of the expected profit to future rate making. The effect of the order is prospective, not retroactive. Fixing the going-forward rate of return as well as general supervision of "all gas utilities, and the owners of them" were matters squarely within the Board's statutory mandate.

B. The Board's Decision

94 **ATCO** argues that the Board's decision should be seen as a stand-alone decision divorced from its rate making responsibilities. However, I do not agree that the hearing under s. 26 of the GUA can be isolated in this way from the Board's general regulatory responsibilities. **ATCO** argues in its factum that

... the subject application by [**ATCO**] to the Board did not concern or relate to a rate application, and the Board was not engaged in fixing rates (if that could provide any justification, which is denied).

(Respondent's factum, para. 98)

95 It seems the Board proceeded with the s. 26 approval hearing separately from a rate setting hearing firstly because **ATCO** framed the proceeding in that way and secondly because this is the procedure approved by the Alberta Court of Appeal in *TransAlta Utilities Corp. v. Public Utilities Board (Alta.)* (1986), 68 A.R. 171. That case (which I will refer to as *TransAlta (1986)*) is a leading Alberta authority dealing with the allocation of the gain on the disposal of utility assets and the source of what is called the *TransAlta Formula* applied by the Board in this case. Kerans J.A. had this to say, at p. 174.

I observe parenthetically that I now appreciate that it suits the convenience of everybody involved to resolve issues of this sort, if possible, before a general rate hearing so as to lessen the burden on that already complex procedure.

96 Given this encouragement from the Alberta Court of Appeal, I would place little significance on **ATCO's** procedural point. As will be seen, the Board's ruling is directly tied into the setting of general rates because two thirds of the profit is taken into account as an offset to **ATCO's** costs from which its revenue requirement is ultimately derived. As stated, **ATCO's** profit on the sale of the Calgary property will be a current (not historical) receipt and, if the Board has its way, two thirds of it will be applied to future (not retroactive) rate making.

97 The s. 26 hearing proceeded in two phases. The Board first determined that it would not deny its approval to the proposed sale as it met a "no-harm test" devised over the years by Board practice (it is not to be found in the statutes) (Decision 2001-78). However, the Board linked its approval to subsequent consideration of the financial ramifications, as the Board itself noted (Decision 2002-037):

The Board approved the Sale in Decision 2001-78 based on evidence that customers did not object to the Sale [and] would not suffer a reduction in services nor would they be exposed to the risk of financial harm as a result of the Sale that could not be examined in a future proceeding. On that basis the Board determined that the no-harm test had been satisfied and that the Sale could proceed. [Emphasis added; para. 13.]

98 In effect, **ATCO** ignores the italicized words. It argues that the Board was *functus* after the first phase of its hearing. However, **ATCO** itself had agreed to the two-phase procedure, and indeed the second phase was devoted to **ATCO's** own application for an allocation of the profits on the sale.

99 In the second phase of the s. 26 approval hearing, the Board allocated one third of the net gain to **ATCO** and two thirds to the rate base (which would benefit ratepayers). The Board spelled out why it considered these conditions to be necessary in the public interest. The Board explained that it was necessary to balance the interests of both shareholders and ratepayers within the framework of what it called "the regulatory compact" (Decision 2002-037, at para. 44). In the Board's view:

- (a) there ought to be a balancing of the interests of the ratepayers and the owners of the utility;
- (b) decisions made about the utility should be driven by both parties' interests;
- (c) to award the entire gain to the ratepayers would deny the utility an incentive to increase its efficiency and reduce its costs; and
- (d) to award the entire gain to the utility might encourage speculation in non-depreciable property or motivate the utility to identify and dispose of properties which have appreciated for reasons other than the best interest of the regulated business.

100 For purposes of this appeal, it is important to set out the Board's policy reasons in its own words:

To award the entire net gain on the land and buildings to the customers, while beneficial to the customers, could establish an environment that may deter the process wherein the company continually assesses its operation to identify, evaluate, and select options that continually increase efficiency and reduce costs.

Conversely, to award the entire net gain to the company may establish an environment where a regulated utility company might be moved to speculate in non-depreciable property or result in the company being motivated to identify and sell existing properties where appreciation has already occurred.

The Board believes that some method of balancing both parties' interests will result in optimization of business objectives for both the customer and the company. Therefore, the Board considers that sharing of the net gain on the sale of the land and buildings collectively in accordance with the TransAlta Formula

is equitable in the circumstances of this application and is consistent with past Board decisions. [Emphasis added; paras. 112-14.]

101 The Court was advised that the two-third share allocated to ratepayers would be included in ATCO's rate calculation to set off against the costs included in the rate base and amortized over a number of years.

C. Standard of Review

102 The Court's modern approach to this vexed question was recently set out by McLachlin C.J. in *Dr. Q v. College of Physicians and Surgeons of British Columbia*, [2003] 1 S.C.R. 226, 2003 SCC 19, at para. 26:

In the pragmatic and functional approach, the standard of review is determined by considering four contextual factors - the presence or absence of a privative clause or statutory right of appeal; the expertise of the tribunal relative to that of the reviewing court on the issue in question; the purposes of the legislation and the provision in particular; and, the nature of the question - law, fact, or mixed law and fact. The factors may overlap. The overall aim is to discern legislative intent, keeping in mind the constitutional role of the courts in maintaining the rule of law.

103 I do not propose to cover the ground already set out in the reasons of my colleague Bastarache J. We agree that the standard of review on matters of jurisdiction is correctness. We also agree that the Board's *exercise* of its jurisdiction calls for greater judicial deference. Appeals from the Board are limited to questions of law or jurisdiction. The Board knows a great deal more than the courts about gas utilities, and what limits it is necessary to impose "in the public interest" on their dealings with assets whose cost is included in the rate base. Moreover, it is difficult to think of a broader discretion than that conferred on the Board to "impose any additional conditions that the Board considers necessary in the public interest". The identification of a subjective discretion in the decision maker ("the Board considers necessary"), the expertise of that decision maker and the nature of the decision to be made ("in the public interest"), in my view, call for the most deferential standard, patent unreasonableness.

104 As to the phrase "the Board considers necessary", Martland J. stated in *Calgary Power Ltd. v. Copithorne*, [1959] S.C.R. 24, at p. 34:

The question as to whether or not the respondent's lands were "necessary" is not one to be determined by the Courts in this case. The question is whether the Minister "deemed" them to be necessary.

See also D. J. M. Brown and J. M. Evans, *Judicial Review of Administrative Action in Canada* (loose-leaf ed.), vol. 1, at para. 14:2622: "Objective" and "Subjective" Grants of Discretion.

105 The expert qualifications of a regulatory Board are of "utmost importance in determining the intention of the legislator with respect to the degree of deference to be shown to a tribunal's decision in the absence of a full privative clause", as stated by Sopinka J. in *United Brotherhood of Carpenters and Joiners of America, Local 579 v. Bradco Construction Ltd.*, [1993] 2 S.C.R. 316, at p. 335. He continued:

Even where the tribunal's enabling statute provides explicitly for appellate review, as was the case in *Bell Canada v. Canada (Canadian Radio-Television and Telecommunications Commission)*, [1989] 1 S.C.R. 1722], it has been stressed that deference should be shown by the appellate tribunal to the opinions of the specialized lower tribunal on matters squarely within its jurisdiction.

(This *dictum* was cited with approval in *Pezim v. British Columbia (Superintendent of Brokers)*, [1994] 2 S.C.R. 557, at p. 592.)

106 A regulatory power to be exercised "in the public interest" necessarily involves accommodation of conflicting economic interests. It has long been recognized that what is "in the public interest" is not really a question of law or fact but is an opinion. In *TransAlta (1986)*, the Alberta Court of Appeal (at para. 24) drew a parallel between the scope of the words "public interest" and the well-known phrase "public convenience and necessity" in its citation of *Memorial Gardens Association (Canada) Ltd. v. Colwood Cemetery Co.*, [1958] S.C.R. 353, where this Court stated, at p. 357:

[T]he question whether public convenience and necessity requires a certain action is not one of fact. It is predominantly the formulation of an opinion. Facts must, of course, be established to justify a decision by the Commission but that decision is one which cannot be made without a substantial exercise of administrative discretion. In delegating this administrative discretion to the Commission the Legislature has delegated to that body the responsibility of deciding, in the public interest, ... [Emphasis added.]

107 This passage reiterated the *dictum* of Rand J. in *Union Gas Co. of Canada v. Sydenham Gas and Petroleum Co.*, [1957] S.C.R. 185, at p. 190:

It was argued, and it seems to have been the view of the Court, that the determination of public convenience and necessity was itself a question of fact, but with that I am unable to agree: it is not an objective existence to be ascertained; the determination is the formulation of an opinion, in this case, the opinion of the Board and of the Board only. [Emphasis added.]

108 Of course even such a broad power is not untrammelled. But to say that such a power is capable of abuse does not lead to the conclusion that it should be truncated. I agree on this point with Reid J. (co-author of R. F. Reid and H. David, *Administrative Law and Practice* (2nd ed. 1978), and co-editor of P. Anisman and R. F. Reid, *Administrative Law Issues and Practice* (1995)) who wrote in *Re C.T.C. Dealer Holdings Ltd. and Ontario Securities Commission* (1987), 59 O.R. (2d) 79 (Div. Ct.), in relation to the powers of the Ontario Securities Commission, at p. 97:

... when the Commission has acted *bona fide*, with an obvious and honest concern for the public interest, and with evidence to support its opinion, the prospect that the breadth of its discretion might someday tempt it to place itself above the law by misusing that discretion is not something that makes the existence of the discretion bad *per se*, and requires the decision to be struck down.

(The *C.T.C. Dealer Holdings* decision was referred to with apparent approval by this Court in *Committee for the Equal Treatment of Asbestos Minority Shareholders v. Ontario (Securities Commission)*, [2001] 2 S.C.R. 132, 2001 SCC 37, at para. 42.)

109 "Patent unreasonableness" is a highly deferential standard:

A correctness approach means that there is only one proper answer. A patently unreasonable one means that there could have been many appropriate answers, but not the one reached by the decision maker.

(*C.U.P.E.*, at para. 164)

110 Having said all that, in my view nothing much turns on the result on whether the proper standard in that regard is patent unreasonableness (as I view it) or simple reasonableness (as my colleague sees it). As will be seen, the Board's response is well within the range of established regulatory opinions. Hence, even if the Board's conditions were subject to the less deferential standard, I would find no cause for the Court to interfere.

D. *Did the Board Have Jurisdiction to Impose the Conditions It Did on the Approval Order "In the Public Interest"?*

111 **ATCO** says the Board had no jurisdiction to impose conditions that are "confiscatory". Framing the question in this way, however, assumes the point in issue. The correct point of departure is not to assume that **ATCO** is entitled to the net gain and then ask if the Board can confiscate it. **ATCO's** investment of \$83,000 was added in increments to its regulatory cost base as the land was acquired from time to time between 1922 and 1965. It is in the nature of a regulated industry that the question of what is a just and equitable return is determined by a board and not by the vagaries of the speculative property market.

112 I do not think the legal debate is assisted by talk of "confiscation". **ATCO** is prohibited by statute from disposing of the asset without Board approval, and the Board has statutory authority to impose conditions on its approval. The issue thus necessarily turns not on the *existence* of the jurisdiction but on the *exercise* of the Board's jurisdiction to impose the conditions that it did, and in particular to impose a shared allocation of the net gain.

E. *Did the Board Improperly Exercise the Jurisdiction it Possessed to Impose Conditions the Board Considered "Necessary in the Public Interest"?*

113 There is no doubt that there are many approaches to "the public interest". Which approach the Board adopts is largely (and inherently) a matter of opinion and discretion. While the statutory framework of utilities regulation varies from jurisdiction to jurisdiction, and practice in the United States must be read in light of the constitutional protection of property rights in that country, nevertheless Alberta's grant of authority to its Board is more generous than most. **ATCO** concedes that its "property" claim would have to give way to a contrary legislative intent, but **ATCO** says such intent cannot be found in the statutes.

114 Most if not all regulators face the problem of how to allocate gains on property whose original cost is included in the rate base but is no longer required to provide the service. There is a wealth of regulatory experience in many jurisdictions that the Board is entitled to (and does) have

regard to in formulating its policies. Striking the correct balance in the allocation of gains between ratepayers and investors is a common preoccupation of comparable boards and agencies:

First, it prevents the utility from degrading the quality, or reducing the quantity, of the regulated service so as to harm consumers. Second, it ensures that the utility maximizes the aggregate economic benefits of its operations, and not merely the benefits flowing to some interest group or stakeholder. Third, it specifically seeks to prevent favouritism toward investors to the detriment of ratepayers affected by the transaction.

("The Efficient Allocation of Proceeds from a Utility's Sale of Assets", by P. W. MacAvoy and J. G. Sidak (2001) 22 *Energy L.J.* 233, at p. 234)

115 The concern with which Canadian regulators view utilities under their jurisdiction that are speculating in land is not new. In *Re Consumers' Gas Co.* (1976), E.B.R.O. 341-I, the Ontario Energy Board considered how to deal with a real estate profit on land which was disposed of at an after-tax profit of over \$2 million. The Board stated:

The Station "B" property was not purchased by Consumers' for land speculation but was acquired for utility purposes. This investment, while non-depreciable, was subject to interest charges and risk paid for through revenues and, until the gas manufacturing plant became obsolete, disposal of the land was not a feasible option. If, in such circumstances, the Board were to permit real estate profit to accrue to the shareholders only, it would tend to encourage real estate speculation with utility capital. In the Board's opinion, the shareholders and the ratepayers should share the benefits of such capital gains. [Emphasis added; para. 326.]

116 Some U.S. regulators also consider it good regulatory policy to allocate part or all of the profit to offset costs in the rate base. In *Re Boston Gas Company* (1982), 49 P.U.R. 4th 1 (Mass. D.P.U.), the regulator allocated a gain on the sale of land to ratepayers, stating:

The company and its shareholders have received a return on the use of these parcels while they have been included in rate base, and are not entitled to any additional return as a result of their sale. To hold otherwise would be to find that a regulated utility company may speculate in nondepreciable utility property and, despite earning a reasonable rate of return from its customers on that property, may also accumulate a windfall through its sale. We find this to be an uncharacteristic risk/reward situation for a regulated utility to be in with respect to its plant in service. [Emphasis added.]

117 Canadian regulators other than the Board are also concerned with the prospect that decisions of utilities in their regulated business may be skewed under the undue influence of prospective profits on land sales. In *Re Consumers' Gas Co.* (1991), E.B.R.O. 465, the Ontario Energy Board determined that a \$1.9 million gain on sale of land should be divided equally between shareholders and ratepayers. It held that

... the allocation of 100 percent of the profit from land sales to either the shareholders or the ratepayers might diminish the recognition of the valid concerns of the excluded party. For example, the timing and intensity of land purchase and sales negotiations could be skewed to favour or disregard the ultimate beneficiary (para. 3.3.8).

118 The Board's principle of dividing the gain between investors and ratepayers is consistent, as well, with *Re Natural Resource Gas Ltd.*, RP-2002-0147; EB-2002-0446, in which the Ontario Energy Board addressed the allocation of a profit on the sale of land and buildings and again stated:

The Board finds that it is reasonable in the circumstances that the capital gains be shared equally between the Company and its customers. In making this finding the Board has considered the non-recurring nature of this transaction (para. 45).

119 The wide variety of regulatory treatment of such gains was noted by Kerans J.A. in *TransAlta* (1986), at pp. 175-76, including *Re Boston Gas Co.* mentioned earlier. In *TransAlta* (1986), the Board characterized TransAlta's gain on the disposal of land and buildings included in its Edmonton "franchise" as "revenue" within the meaning of the *Hydro and Electric Energy Act*, R.S.A. 1980, c. H-13. (The case therefore did not deal with the power to impose conditions "the Board considers necessary in the public interest".) Kerans J.A. said (at p. 176):

I do not agree with the Board's decision for reasons later expressed, but it would be fatuous to deny that its interpretation [of the word "revenue"] is one which the word can reasonably bear.

Kerans J.A. went on to find that in that case "[t]he compensation was, for all practical purposes, compensation for loss of franchise" (p. 180) and on that basis the gain in these "unique circumstances" (p. 179) could not, as a matter of law, be characterized as revenue, i.e. applying a correctness standard. The range of regulatory practice on the "gains on sale" issue was similarly noted by Goldie J.A. in *Yukon Energy Corp. v. Utilities Board* (1996), 74 B.C.A.C. 58; 121 W.A.C. 58 (Y.C.A.), at para. 85.

120 A survey of recent regulatory experience in the United States reveals the wide variety of treatment in that country of gains on the sale of undepreciated land. The range includes proponents of ATCO's preferred allocation as well as proponents of the solution adopted by the Board in this case:

Some jurisdictions have concluded that as a matter of equity, shareholders alone should benefit from any gain realized on appreciated real estate, because ratepayers generally pay only for taxes on the land and do not contribute to the cost of acquiring the property and pay no depreciation expenses. Under this analysis, ratepayers assume no risk for losses and acquire no legal or equitable interest in the property, but rather pay only for the use of the land in utility service.

Other jurisdictions claim that ratepayers should retain some of the benefits associated with the sale of property dedicated to utility service. Those jurisdictions that have adopted an equitable sharing approach agree that a review of regulatory and judicial decisions on the issue does not reveal any general principle that requires the allocation of benefits solely to shareholders; rather, the cases show only a general prohibition against sharing benefits on the sale property that has never been reflected in utility rates.

(P. S. Cross, "Rate Treatment of Gain on Sale of Land: Ratepayer Indifference, A New Standard?" (1990), *Public Utilities Fortnightly* 44, at p. 44)

Regulatory opinion in the United States favourable to the solution adopted here by the Board is illustrated by *Re Arizona Public Service Co.* (1988), 91 P.U.R. 4th 337, 1988 WL 391394 (Ariz. C.C.):

To the extent any general principles can be gleaned from the decisions in other jurisdictions they are: (1) the utility's stockholders are not automatically entitled to the gains from all sales of utility property; and (2) ratepayers are not entitled to all or any part of a gain from the sale of property which has never been reflected in the utility's rates.

121 Assets purchased with capital reflected in the rate base come and go, but the utility itself endures. What was done by the Board in this case is quite consistent with the "enduring enterprise" theory espoused, for example, in *Re Southern California Water Co.* (1992), 43 C.P.U.C. 2d 596, 1992 WL 584058. In that case, Southern California Water had asked for approval to sell an old headquarters building and the issue was how to allocate its profits on the sale. The Commission held:

Working from the principle of the "enduring enterprise", the gain-on-sale from this transaction should remain within the utility's operations rather than being distributed in the short run directly to either ratepayers or shareholders. The "enduring enterprise" principle, is neither novel nor radical. It was clearly articulated by the Commission in its seminal 1989 policy decision on the issue of gain-on-sale, D. 89-07-016, 32 Cal. P.U.C. 2d 233 (Redding). Simply stated, to the extent that a utility realizes a gain-on-sale from the liquidation of an asset and replaces it with another asset or obligation while at the same time its responsibility to serve its customers is neither relieved nor reduced, then any gain-on-sale should remain within the utility's operation.

122 In my view, neither the Alberta statutes nor regulatory practice in Alberta and elsewhere dictates the answer to the problems confronting the Board. It would have been open to the Board to allow **ATCO's** application for the entire profit. But the solution it adopted was quite within its statutory authority and does not call for judicial intervention.

F. **ATCO's** Arguments

123 Most of **ATCO's** principal submissions have already been touched on but I will repeat them here for convenience. **ATCO** does not really dispute the Board's ability to impose conditions on the

sale of land. Rather, **ATCO** says that what the Board did here violates a number of basic legal protections and principles. It asks the Court to clip the Board's wings.

124 Firstly, **ATCO** says that customers do not acquire any proprietary right in the company's assets. **ATCO**, rather than its customers, originally purchased the property, held title to it, and therefore was entitled to any gain on its sale. An allocation of profit to the customers would amount to a confiscation of the corporation's property.

125 Secondly, **ATCO** says its retention of 100% of the gain has nothing to do with the so-called "regulatory compact". The gas customers paid what the Board regarded over the years as a fair price for safe and reliable service. That is what the ratepayers got and that is all they were entitled to. The Board's allocation of part of the profit to the ratepayers amounts to impermissible "retroactive" rate setting.

126 Thirdly, utilities are not entitled to include in the rate base an amount for *depreciation* on land and ratepayers have therefore not repaid **ATCO** any part of **ATCO's** original cost, let alone the present value. The treatment accorded gain on sales of depreciated property therefore does not apply.

127 Fourthly, **ATCO** complains that the Board's solution is asymmetrical. Ratepayers are given part of the benefit of an increase in land values without, in a falling market, bearing any part of the burden of losses on the disposition of land.

128 In my view, these are all arguments that should be (and were) properly directed to the Board. There are indeed precedents in the regulatory field for what **ATCO** proposes, just as there are precedents for what the ratepayers proposed. It was for the Board to decide what conditions in these particular circumstances were necessary in the public interest. The Board's solution in this case is well within the range of reasonable options, as I will endeavour to demonstrate.

1. The Confiscation Issue

129 In its factum, **ATCO** says that "[t]he property belonged to the owner of the utility and the Board's proposed distribution cannot be characterized otherwise than as being confiscatory" (respondent's factum, para. 6). **ATCO's** argument overlooks the obvious difference between investment in an unregulated business and investment in a regulated utility where the regulator sets the return on investment, not the market place. In *Re Southern California Gas Co.* (1990), 38 C.P.U.C. 2d 166, 118 P.U.R. 4th 81, 1990 WL 488654 ("*SoColGas*"), the regulator pointed out:

In the non-utility private sector, investors are not guaranteed to earn a fair return on such sunk investment. Although shareholders and bondholders provide the initial capital investment, the ratepayers pay the taxes, maintenance, and other costs of carrying utility property in rate base over the years, and thus insulate utility investors from the risk of having to pay those costs. Ratepayers also pay the utility a fair return on property (including land) while it is in rate base, compensate the utility for the diminishment of the value of its depreciable property over time through depreciation accounting, and bear the risk that they must pay depreciation and a return on prematurely retired rate base property.

(It is understood, of course, that the Board does not appropriate the actual proceeds of sale. What happens is that an amount *equivalent* to two-thirds of the profit is included in the calculation of

ATCO's current cost base for rate making purposes. In that way, there is a notional distribution of the benefit of the gain amongst the competing stakeholders.)

130 **ATCO's** argument is frequently asserted in the United States under the flag of constitutional protection for "property". Constitutional protection has not however prevented allocation of all or part of such gains to the U.S. ratepayers. One of the leading U.S. authorities is *Democratic Central Committee of the District of Columbia v. Washington Metropolitan Area Transit Commission*, 485 F.2d 786 (D.C. Cir. 1973). In that case, the assets at issue were parcels of real estate which had been employed in mass transit operations but which were no longer needed when the transit system converted to buses. The regulator awarded the profit on the appreciated land values to the shareholders but the Court of Appeals reversed the decision, using language directly applicable to **ATCO's** "confiscation" argument:

We perceive no impediment, constitutional or otherwise, to recognition of a ratemaking principle enabling ratepayers to benefit from appreciations in value of utility properties accruing while in service. We believe the doctrinal consideration upon which pronouncements to the contrary have primarily rested has lost all present-day vitality. Underlying these pronouncements is a basic legal and economic thesis - sometimes articulated, sometimes implicit - that utility assets, though dedicated to the public service, remain exclusively the property of the utility's investors, and that growth in value is an inseparable and inviolate incident of that property interest. The precept of private ownership historically pervading our jurisprudence led naturally to such a thesis, and early decisions in the ratemaking field lent some support to it; if still viable, it strengthens the investor's claim. We think, however, after careful exploration, that the foundations for that approach, and the conclusion it seemed to indicate, have long since eroded away (p. 800).

The court's reference to "pronouncements" which have "lost all present-day vitality" likely includes *Board of Public Utility Commissioners v. New York Telephone Co.*, 271 U.S. 23 (1926), a decision relied upon in this case by **ATCO**. In that case, the Supreme Court of the United States said (at p. 31):

Customers pay for service, not for the property used to render it. Their payments are not contributions to depreciation or other operating expenses or to capital of the company. By paying bills for service they do not acquire any interest, legal or equitable, in the property used for their convenience or in the funds of the company. Property paid for out of moneys received for service belongs to the company just as does that purchased out of proceeds of its bonds and stock.

In that case, the regulator belatedly concluded that the level of depreciation allowed the New York Telephone Company had been excessive in past years and sought to remedy the situation in the current year by retroactively adjusting the cost base. The court held that the regulator had no power to re-open past rates. The financial fruits of the regulator's errors in past years now belonged to the company. That is not this case. No one contends that the Board's prior rates, based on **ATCO's** original investment, were wrong. In 2001, when the matter came before the Board, the Board had

jurisdiction to approve or not approve the proposed sale. It was not a done deal. The receipt of any profit by **ATCO** was prospective only. As explained in *Re Arizona Public Service Co.*:

In New York Telephone, the issue presented was whether a state regulatory commission could use excessive depreciation accruals from prior years to reduce rates for future service and thereby set rates which did not yield a just return. ... the Court simply reiterated and provided the reasons for a ratemaking truism: rates must be designed to produce enough revenue to pay current [reasonable] operating expenses and provide a fair return to the utility's investors. If it turns out that, for whatever reason, existing rates have produced too much or too little income, the past is past. Rates are raised or lowered to reflect current conditions; they are not designed to pay back past excessive profits or recoup past operating losses. In contrast, the issue in this proceeding is whether for ratemaking purposes a utility's test year income from sales of utility service can include its income from sales of utility property. The United States Supreme Court's decision in New York Telephone does not address that issue. [Emphasis added.]

131 More recently, the allocation of gain on sale was addressed by the California Public Utilities Commission in *SoCalGas*. In that case, as here, the utility (SoCalGas) wished to sell land and buildings located (in that case) in downtown Los Angeles. The Commission apportioned the gain on sale between the shareholders and the ratepayers, concluding that:

We believe that the issue of who owns the utility property providing utility service has become a red herring in this case, and that ownership alone does not determine who is entitled to the gain on the sale of the property providing utility service when it is removed from rate base and sold.

132 **ATCO** argues in its factum that ratepayers "do not acquire any interest, legal or equitable, in the property used to provide the service or in the funds of the owner of the utility" (para. 2). In *SoCalGas*, the regulator disposed of this point as follows:

No one seriously argues that ratepayers acquire title to the physical property assets used to provide utility service; DRA [Division of Ratepayer Advocates] argues that the gain on sale should reduce future revenue requirements not because ratepayers own the property, but rather because they paid the costs and faced the risks associated with that property while it was in rate base providing public service.

This "risk" theory applies in Alberta as well. Over the last 80 years, there have been wild swings in Alberta real estate, yet through it all, in bad times and good, the ratepayers have guaranteed **ATCO** a just and equitable return on its investment in *this* land and *these* buildings.

133 The notion that the division of risk justifies a division of the net gain was also adopted by the regulator in *SoCalGas*:

Although the shareholders and bondholders provided the initial capital investment, the ratepayers paid the taxes, maintenance, and other costs of carrying the

land and buildings in rate base over the years, and paid the utility a fair return on its unamortized investment in the land and buildings while they were in rate base.

In other words, even in the United States, where property rights are constitutionally protected, **ATCO's** "confiscation" point is rejected as an oversimplification.

134 My point is not that the Board's allocation in this case is necessarily correct in all circumstances. Other regulators have determined that the public interest requires a different allocation. The Board proceeds on a "case-by-case" basis. My point simply is that the Board's response in this case cannot be considered "confiscatory" in any proper use of the term, and is well within the range of what are regarded in comparable jurisdictions as appropriate regulatory responses to the allocation of the gain on sale of land whose original investment has been included by the utility itself in its rate base. The Board's decision is protected by a deferential standard of review and in my view it should not have been set aside.

2. The Regulatory Compact

135 The Board referred in its decision to the "regulatory compact" which is a loose expression suggesting that in exchange for a statutory monopoly and receipt of revenue on a cost plus basis, the utility accepts limitations on its rate of return and its freedom to do as it wishes with property whose cost is reflected in its rate base. This was expressed in the *Washington Metropolitan Area Transit* case by the U.S. Court of Appeals as follows (at p. 806):

The ratemaking process involves fundamentally "a balancing of the investor and the consumer interests." The investor's interest lies in the integrity of his investment and a fair opportunity for a reasonable return thereon. The consumer's interest lies in governmental protection against unreasonable charges for the monopolistic service to which he subscribes. In terms of property value appreciations, the balance is best struck at the point at which the interests of both groups receive maximum accommodation.

136 **ATCO** considers that the Board's allocation of profit violated the regulatory compact not only because it is confiscatory but because it amounts to "retroactive rate making". In *Northwestern Utilities Ltd. v. City of Edmonton*, [1979] 1 S.C.R. 684, Estey J. stated, at p. 691:

It is clear from many provisions of *The Gas Utilities Act* that the Board must act prospectively and may not award rates which will recover expenses incurred in the past and not recovered under rates established for past periods.

137 As stated earlier, the Board in this case was addressing a prospective receipt and allocated two thirds of it to a prospective (not retroactive) rate making exercise. This is consistent with regulatory practice, as is illustrated by *New York Water Service Corp. v. Public Service Commission*, 208 N.Y.S. 2d 587 (1960). In that case, a utility commission ruled that gains on the sale of real estate should be taken into account to reduce rates annually over the following period of 17 years (p. 864):

If land is sold at a profit, it is required that the profit be added to, i.e., "credited to", the depreciation reserve, so that there is a corresponding reduction of the rate base and resulting return.

The regulator's order was upheld by the New York State Supreme Court (Appellate Division).

138 More recently, in *Re Compliance with the Energy Policy Act of 1992* (1995), 62 C.P.U.C. 2d 517, WL 768628, the regulator commented:

... we found it appropriate to allocate the principal amount of the gain to offset future costs of headquarters facilities, because ratepayers had borne the burden of risks and expenses while the property was in ratebase. At the same time, we found that it was equitable to allocate a portion of the benefits from the gain-on-sale to shareholders in order to provide a reasonable incentive to the utility to maximize the proceeds from selling such property and compensate shareholders for any risks borne in connection with holding the former property.

139 The emphasis in all these cases is on balancing the interests of the shareholders and the ratepayers. This is perfectly consistent with the "regulatory compact" approach reflected in the Board doing what it did in this case.

3. Land as a Non-Depreciable Asset

140 The Alberta Court of Appeal drew a distinction between gains on sale of land, whose original cost is not depreciated (and thus is not repaid in increments through the rate base) and depreciated property such as buildings where the rate base does include a measure of capital repayment and which in that sense the ratepayers have "paid for". The Alberta Court of Appeal held that the Board was correct to credit the rate base with an amount equivalent to the depreciation paid in respect of the buildings (this is the subject matter of **ATCO's** cross-appeal). Thus in this case, the land was still carried on **ATCO's** books at its original price of \$83,720 whereas the original \$596,591 cost of the buildings had been depreciated through the rates charged customers to a net book value of \$141,525.

141 Regulatory practice shows that many (not all) regulators also do not accept the distinction (for this purpose) between depreciable and non-depreciable assets. In *Re Boston Gas Co.* for example (cited in *TransAlta* (1986), at p. 176), the regulator held:

... the company's ratepayers have been paying a return on this land as well as all other costs associated with its use. The fact that land is a nondepreciable asset because its useful value is not ordinarily diminished through use is, we find, irrelevant to the question of who is entitled to the proceeds on the sales of this land.

142 In *SoCalGas*, as well, the Commission declined to make a distinction between the gain on sale of depreciable, as compared to non-depreciable, property, stating "We see little reason why land sales should be treated differently." The decision continued:

In short, whether an asset is depreciated for ratemaking purposes or not, ratepayers commit to paying a return on its book value for as long as it is used and use-

ful. Depreciation simply recognizes the fact that certain assets are consumed over a period of utility service while others are not. The basic relationship between the utility and its ratepayers is the same for depreciable and non-depreciable assets. [Emphasis added.]

143 In *Re California Water Service Co.* (1996), 66 C.P.U.C. 2d 100, 1996 WL 293205, the regulator commented that:

Our decisions generally find no reason to treat gain on the sale of nondepreciable property, such as bare land, different[ly] than gains on the sale of depreciable rate base assets and land in PHFU [plant held for future use].

144 Again, my point is not that the regulator *must* reject any distinction between depreciable and non-depreciable property. Simply, my point is that the distinction does not have the controlling weight as contended by **ATCO**. In Alberta, it is up to the Board to determine what allocations are necessary in the public interest as conditions of the approval of sale. **ATCO's** attempt to limit the Board's discretion by reference to various doctrine is not consistent with the broad statutory language used by the Alberta legislature and should be rejected.

4. Lack of Reciprocity

145 **ATCO** argues that the customers should not profit from a rising market because if the land loses value it is **ATCO**, and not the ratepayers, that will absorb the loss. However, the material put before the Court suggests that the Board takes into account both gains *and* losses. In the following decisions the Board stated, repeated, and repeated again its "general rule" that

... the Board considers that any profit or loss (being the difference between the net book value of the assets and the sale price of those assets) resulting from the disposal of utility assets should accrue to the customers of the utility and not to the owner of the utility. [Emphasis added.]

(See *TransAlta Utilities Corp.* (1984), Alta. P.U.B. Decision No. E84116, at p. 17; *TransAlta Utilities Corp.* (1984), Alta. P.U.B. Decision No. E84115, at p. 12; *Re Gas Utilities Act and Public Utilities Board Act*, (1984), Alta. P.U.B. Decision No. E84113, at p. 23.)

146 In *Alberta Government Telephones*, the Board reviewed a number of regulatory approaches (including *Re Boston Gas Co.*, previously mentioned) with respect to gains on sale and concluded with respect to its own practice, at p. 12:

The Board is aware that it has not applied any consistent formula or rule which would automatically determine the accounting procedure to be followed in the treatment of gains or losses on the disposition of utility assets. The reason for this is that the Board's determination of what is fair and reasonable rests on the merits or facts of each case.

147 **ATCO's** contention that it alone is burdened with the risk on land that *declines* in value overlooks the fact that in a falling market, the utility continues to be entitled to a rate of return on its original investment even if the market value at the time is substantially less than its original investment. As pointed out in *SoCalGas*:

If the land actually does depreciate in value below its original cost, then one view could be that the steady rate of return [the ratepayers] have paid for the land over time has actually overcompensated investors. Thus, there is symmetry of risk and reward associated with rate base land just as there is with regard to depreciable rate base property.

II. Conclusion

148 In summary, s. 15(3) of the AEUBA authorized the Board in dealing with **ATCO's** application to approve the sale of the subject land and buildings to "impose any additional conditions that the Board considers necessary in the public interest". In the exercise of that authority, and having regard to the Board's "general supervision over all gas utilities, and the owners of them" (GUA, s. 22(1)), the Board made an allocation of the net gain for the public policy reasons which it articulated in its decision. Perhaps not every regulator and not every jurisdiction would exercise the power in the same way, but the allocation of the gain on an asset **ATCO** sought to withdraw from the rate base was a decision the Board was mandated to make. It is not for the Court to substitute its own view of what is "necessary in the public interest".

III. Disposition

149 I would allow the appeal, set aside the decision of the Alberta Court of Appeal, and restore the decision of the Board, with costs to the City of Calgary both in this Court and in the court below. **ATCO's** cross-appeal should be dismissed with costs.

* * * * *

APPENDIX

Alberta Energy and Utilities Board Act, R.S.A. 2000, c. A-17

[Jurisdiction]

13 All matters that may be dealt with by the ERCB or the PUB under any enactment or as otherwise provided by law shall be dealt with by the Board and are within the exclusive jurisdiction of the Board.

[Powers of the Board]

15(1) For the purposes of carrying out its functions, the Board has all the powers, rights and privileges of the ERCB and the PUB that are granted or provided for by any enactment or by law.

(2) In any case where the ERCB, the PUB or the Board may act in response to an application, complaint, direction, referral or request, the Board may act on its own initiative or motion.

(3) Without restricting subsection (1), the Board may do all or any of the following:

- (a) make any order that the ERCB or the PUB may make under any enactment;
- (b) with the approval of the Lieutenant Governor in Council, make any order that the ERCB may, with the approval of the Lieutenant Governor in Council, make under any enactment;

- (c) with the approval of the Lieutenant Governor in Council, make any order that the PUB may, with the approval of the Lieutenant Governor in Council, make under any enactment;
- (d) with respect to an order made by the Board, the ERCB or the PUB in respect of matters referred to in clauses (a) to (c), make any further order and impose any additional conditions that the Board considers necessary in the public interest;
- (e) make an order granting the whole or part only of the relief applied for;
- (f) where it appears to the Board to be just and proper, grant partial, further or other relief in addition to, or in substitution for, that applied for as fully and in all respects as if the application or matter had been for that partial, further or other relief.

[Appeals]

26(1) Subject to subsection (2), an appeal lies from the Board to the Court of Appeal on a question of jurisdiction or on a question of law.

(2) Leave to appeal may be obtained from a judge of the Court of Appeal only on an application made

- (a) within 30 days from the day that the order, decision or direction sought to be appealed from was made, or
- (b) within a further period of time as granted by the judge where the judge is of the opinion that the circumstances warrant the granting of that further period of time.

[Exclusion of prerogative writs]

27 Subject to section 26, every action, order, ruling or decision of the Board or the person exercising the powers or performing the duties of the Board is final and shall not be questioned, reviewed or restrained by any proceeding in the nature of an application for judicial review or otherwise in any court.

Gas Utilities Act, R.S.A. 2000, c. G-5

[Supervision]

22(1) The Board shall exercise a general supervision over all gas utilities, and the owners of them, and may make any orders regarding equipment, appliances, extensions of works or systems, reporting and other matters, that are necessary for the convenience of the public or for the proper carrying out of any contract, charter or franchise involving the use of public property or rights.

(2) The Board shall conduct all inquiries necessary for the obtaining of complete information as to the manner in which owners of gas utilities comply with the law, or as to any other matter or thing within the jurisdiction of the Board under this Act.

[Investigation of gas utility]

24(1) The Board, on its own initiative or on the application of a person having an interest, may investigate any matter concerning a gas utility.

[Designated gas utilities]

26(1) The Lieutenant Governor in Council may by regulation designate those owners of gas utilities to which this section and section 27 apply.

(2) No owner of a gas utility designated under subsection (1) shall

- (a) issue any
 - (i) of its shares or stock, or
 - (ii) bonds or other evidences of indebtedness, payable in more than one year from the date of them,

unless it has first satisfied the Board that the proposed issue is to be made in accordance with law and has obtained the approval of the Board for the purposes of the issue and an order of the Board authorizing the issue,

- (b) capitalize
 - (i) its right to exist as a corporation,
 - (ii) a right, franchise or privilege in excess of the amount actually paid to the Government or a municipality as the consideration for it, exclusive of any tax or annual charge, or
 - (iii) a contract for consolidation, amalgamation or merger,
- (c) without the approval of the Board, capitalize any lease, or
- (d) without the approval of the Board,
 - (i) sell, lease, mortgage or otherwise dispose of or encumber its property, franchises, privileges or rights, or any part of it or them, or
 - (ii) merge or consolidate its property, franchises, privileges or rights, or any part of it or them,

and a sale, lease, mortgage, disposition, encumbrance, merger or consolidation made in contravention of this clause is void, but nothing in this clause shall be construed to prevent in any way the sale, lease, mortgage, disposition, encumbrance, merger or consolidation of any of the property of an owner of a gas utility designated under subsection (1) in the ordinary course of the owner's business.

[Prohibited share transactions]

27(1) Unless authorized to do so by an order of the Board, the owner of a gas utility designated under section 26(1) shall not sell or make or permit to be made on its books any transfer of any share or shares of its capital stock to a corporation, however incorporated, if the sale or transfer, by itself or in connection with previous sales or transfers, would result in the vesting in that corporation of more than 50% of the outstanding capital stock of the owner of the gas utility.

[Powers of Board]

36 The Board, on its own initiative or on the application of a person having an interest, may by order in writing, which is to be made after giving notice to and hearing the parties interested,

- (a) fix just and reasonable individual rates, joint rates, tolls or charges or schedules of them, as well as commutation and other special rates, which shall be imposed, observed and followed afterwards by the owner of the gas utility,
- (b) fix proper and adequate rates and methods of depreciation, amortization or depletion in respect of the property of any owner of a gas utility, who shall make the owner's depreciation, amortization or depletion accounts conform to the rates and methods fixed by the Board,
- (c) fix just and reasonable standards, classifications, regulations, practices, measurements or service, which shall be furnished, imposed, observed and followed thereafter by the owner of the gas utility,
- (d) require an owner of a gas utility to establish, construct, maintain and operate, but in compliance with this and any other Act relating to it, any reasonable extension of the owner's existing facilities when in the judgment of the Board the extension is reasonable and practical and will furnish sufficient business to justify its construction and maintenance, and when the financial position of the owner of the gas utility reasonably warrants the original expenditure required in making and operating the extension, and
- (e) require an owner of a gas utility to supply and deliver gas to the persons, for the purposes, at the rates, prices and charges and on the terms and conditions that the Board directs, fixes or imposes.

[Rate base]

37(1) In fixing just and reasonable rates, tolls or charges, or schedules of them, to be imposed, observed and followed afterwards by an owner of a gas utility, the Board shall determine a rate base for the property of the owner of the gas utility used or required to be used to provide service to the public within Alberta and on determining a rate base it shall fix a fair return on the rate base.

(2) In determining a rate base under this section, the Board shall give due consideration

- (a) to the cost of the property when first devoted to public use and to prudent acquisition cost to the owner of the gas utility, less depreciation, amortization or depletion in respect of each, and
- (b) to necessary working capital.

(3) In fixing the fair return that an owner of a gas utility is entitled to earn on the rate base, the Board shall give due consideration to all facts that in its opinion are relevant.

[Excess revenues or losses]

40 In fixing just and reasonable rates, tolls or charges, or schedules of them, to be imposed, observed and followed afterwards by an owner of a gas utility,

- (a) the Board may consider all revenues and costs of the owner that are in the Board's opinion applicable to a period consisting of

- (i) the whole of the fiscal year of the owner in which a proceeding is initiated for the fixing of rates, tolls or charges, or schedules of them,
- (ii) a subsequent fiscal year of the owner, or
- (iii) 2 or more of the fiscal years of the owner referred to in subclauses (i) and (ii) if they are consecutive,

and need not consider the allocation of those revenues and costs to any part of that period,

- (b) the Board may give effect to that part of any excess revenue received or any revenue deficiency incurred by the owner that is in the Board's opinion applicable to the whole of the fiscal year of the owner in which a proceeding is initiated for the fixing of rates, tolls or charges, or schedules of them, that the Board determines is just and reasonable,
- (c) the Board may give effect to that part of any excess revenue received or any revenue deficiency incurred by the owner after the date on which a proceeding is initiated for the fixing of rates, tolls or charges, or schedules of them, that the Board determines has been due to undue delay in the hearing and determining of the matter, and
- (d) the Board shall by order approve
 - (i) the method by which, and
 - (ii) the period, including any subsequent fiscal period, during which,

any excess revenue received or any revenue deficiency incurred, as determined pursuant to clause (b) or (c), is to be used or dealt with.

[General powers of Board]

59 For the purposes of this Act, the Board has the same powers in respect of the plant, premises, equipment, service and organization for the production, distribution and sale of gas in Alberta, and in respect of the business of an owner of a gas utility and in respect of an owner of a gas utility, that are by the *Public Utilities Board Act* conferred on the Board in the case of a public utility under that Act.

Public Utilities Board Act, R.S.A. 2000, c. P-45

[Jurisdiction and powers]

36(1) The Board has all the necessary jurisdiction and power

- (a) to deal with public utilities and the owners of them as provided in this Act;
- (b) to deal with public utilities and related matters as they concern suburban areas adjacent to a city, as provided in this Act.

(2) In addition to the jurisdiction and powers mentioned in subsection (1), the Board has all necessary jurisdiction and powers to perform any duties that are assigned to it by statute or pursuant to statutory authority.

(3) The Board has, and is deemed at all times to have had, jurisdiction to fix and settle, on application, the price and terms of purchase by a council of a municipality pursuant to section 47 of the *Municipal Government Act*

- (a) before the exercise by the council under that provision of its right to purchase and without binding the council to purchase, or
- (b) when an application is made under that provision for the Board's consent to the purchase, before hearing or determining the application for its consent.

[General power]

37 In matters within its jurisdiction the Board may order and require any person or local authority to do forthwith or within or at a specified time and in any manner prescribed by the Board, so far as it is not inconsistent with this Act or any other Act conferring jurisdiction, any act, matter or thing that the person or local authority is or may be required to do under this Act or under any other general or special Act, and may forbid the doing or continuing of any act, matter or thing that is in contravention of any such Act or of any regulation, rule, order or direction of the Board.

[Investigation of utilities and rates]

80 When it is made to appear to the Board, on the application of an owner of a public utility or of a municipality or person having an interest, present or contingent, in the matter in respect of which the application is made, that there is reason to believe that the tolls demanded by an owner of a public utility exceed what is just and reasonable, having regard to the nature and quality of the service rendered or of the commodity supplied, the Board

- (a) may proceed to hold any investigation that it thinks fit into all matters relating to the nature and quality of the service or the commodity in question, or to the performance of the service and the tolls or charges demanded for it,
- (b) may make any order respecting the improvement of the service or commodity and as to the tolls or charges demanded, that seems to it to be just and reasonable, and
- (c) may disallow or change, as it thinks reasonable, any such tolls or charges that, in its opinion, are excessive, unjust or unreasonable or unjustly discriminate between different persons or different municipalities, but subject however to any provisions of any contract existing between the owner of the public utility and a municipality at the time the application is made that the Board considers fair and reasonable.

[Supervision by Board]

85(1) The Board shall exercise a general supervision over all public utilities, and the owners of them, and may make any orders regarding extension of works or systems, reporting and other matters, that are necessary for the convenience of the public or for the proper carrying out of any contract, charter or franchise involving the use of public property or rights.

[Investigation of public utility]

87(1) The Board may, on its own initiative, or on the application of a person having an interest, investigate any matter concerning a public utility.

(2) When in the opinion of the Board it is necessary to investigate a public utility or the affairs of its owner, the Board shall be given access to and may use any books, documents or records with respect to the public utility and in the possession of any owner of the public utility or municipality or under the control of a board, commission or department of the Government.

(3) A person who directly or indirectly controls the business of an owner of a public utility within Alberta and any company controlled by that person shall give the Board or its agent access to any of the books, documents and records that relate to the business of the owner or shall furnish any information in respect of it required by the Board.

[Fixing of rates]

89 The Board, either on its own initiative or on the application of a person having an interest, may by order in writing, which is to be made after giving notice to and hearing the parties interested,

- (a) fix just and reasonable individual rates, joint rates, tolls or charges, or schedules of them, as well as commutation, mileage or kilometre rate and other special rates, which shall be imposed, observed and followed subsequently by the owner of the public utility;
- (b) fix proper and adequate rates and methods of depreciation, amortization or depletion in respect of the property of any owner of a public utility, who shall make the owner's depreciation, amortization or depletion accounts conform to the rates and methods fixed by the Board;
- (c) fix just and reasonable standards, classifications, regulations, practices, measurements or service, which shall be furnished, imposed, observed and followed subsequently by the owner of the public utility;
- (d) repealed;
- (e) require an owner of a public utility to establish, construct, maintain and operate, but in compliance with other provisions of this or any other Act relating to it, any reasonable extension of the owner's existing facilities when in the judgment of the Board the extension is reasonable and practical and will furnish sufficient business to justify its construction and maintenance, and when the financial position of the owner of the public utility reasonably warrants the original expenditure required in making and operating the extension.

[Determining rate base]

90(1) In fixing just and reasonable rates, tolls or charges, or schedules of them, to be imposed, observed and followed subsequently by an owner of a public utility, the Board shall determine a rate base for the property of the owner of a public utility used or required to be used to provide service to the public within Alberta and on determining a rate base it shall fix a fair return on the rate base.

(2) In determining a rate base under this section, the Board shall give due consideration

- (a) to the cost of the property when first devoted to public use and to prudent acquisition cost to the owner of the public utility, less depreciation, amortization or depletion in respect of each, and
- (b) to necessary working capital.

(3) In fixing the fair return that an owner of a public utility is entitled to earn on the rate base, the Board shall give due consideration to all those facts that, in the Board's opinion, are relevant.

[Revenue and costs considered]

91(1) In fixing just and reasonable rates, tolls or charges, or schedules of them, to be imposed, observed and followed by an owner of a public utility,

- (a) the Board may consider all revenues and costs of the owner that are in the Board's opinion applicable to a period consisting of
 - (i) the whole of the fiscal year of the owner in which a proceeding is initiated for the fixing of rates, tolls or charges, or schedules of them,
 - (ii) a subsequent fiscal year of the owner, or
 - (iii) 2 or more of the fiscal years of the owner referred to in subclauses (i) and (ii) if they are consecutive,

and need not consider the allocation of those revenues and costs to any part of such a period,

- (b) the Board shall consider the effect of the *Small Power Research and Development Act* on the revenues and costs of the owner with respect to the generation, transmission and distribution of electric energy,
- (c) the Board may give effect to that part of any excess revenue received or any revenue deficiency incurred by the owner that is in the Board's opinion applicable to the whole of the fiscal year of the owner in which a proceeding is initiated for the fixing of rates, tolls or charges, or schedules of them, as the Board determines is just and reasonable,
- (d) the Board may give effect to such part of any excess revenue received or any revenue deficiency incurred by the owner after the date on which a proceeding is initiated for the fixing of rates, tolls or charges, or schedules of them, as the Board determines has been due to undue delay in the hearing and determining of the matter, and
- (e) the Board shall by order approve the method by which, and the period (including any subsequent fiscal period) during which, any excess revenue received or any revenue deficiency incurred, as determined pursuant to clause (c) or (d), is to be used or dealt with.

[Designated public utilities]

101(1) The Lieutenant Governor in Council may by regulation designate those owners of public utilities to which this section and section 102 apply.

(2) No owner of a public utility designated under subsection (1) shall

- (a) issue any
 - (i) of its shares or stock, or
 - (ii) bonds or other evidences of indebtedness, payable in more than one year from the date of them,

unless it has first satisfied the Board that the proposed issue is to be made in accordance with law and has obtained the approval of the Board for the purposes of the issue and an order of the Board authorizing the issue,

- (b) capitalize
 - (i) its right to exist as a corporation,
 - (ii) a right, franchise or privilege in excess of the amount actually paid to the Government or a municipality as the consideration for it, exclusive of any tax or annual charge, or
 - (iii) a contract for consolidation, amalgamation or merger,
- (c) without the approval of the Board, capitalize any lease, or
- (d) without the approval of the Board,
 - (i) sell, lease, mortgage or otherwise dispose of or encumber its property, franchises, privileges or rights, or any part of them, or
 - (ii) merge or consolidate its property, franchises, privileges or rights, or any part of them,

and a sale, lease, mortgage, disposition, encumbrance, merger or consolidation made in contravention of this clause is void, but nothing in this clause shall be construed to prevent in any way the sale, lease, mortgage, disposition, encumbrance, merger or consolidation of any of the property of an owner of a public utility designated under subsection (1) in the ordinary course of the owner's business.

[Prohibited share transaction]

102(1) Unless authorized to do so by an order of the Board, the owner of a public utility designated under section 101(1) shall not sell or make or permit to be made on its books a transfer of any share of its capital stock to a corporation, however incorporated, if the sale or transfer, in itself or in connection with previous sales or transfers, would result in the vesting in that corporation of more than 50% of the outstanding capital stock of the owner of the public utility.

Interpretation Act, R.S.A. 2000, c. I-8

[Enactments remedial]

10 An enactment shall be construed as being remedial, and shall be given the fair, large and liberal construction and interpretation that best ensures the attainment of its objects.

Solicitors:

Solicitors for the appellant/respondent on cross-appeal: McLennan Ross, Calgary.

Solicitors for the respondent/appellant on cross-appeal: Bennett Jones, Calgary.

Solicitor for the intervener the Alberta Energy and Utilities Board: J. Richard McKee, Calgary.

Solicitor for the intervener the Ontario Energy Board: Ontario Energy Board, Toronto.

Solicitors for the intervener Enbridge Gas Distribution Inc.: Fraser Milner Casgrain, Toronto.

Solicitors for the intervener Union Gas Limited: Torys, Toronto.

* * * * *

Corrigendum, released April 24, 2006

Please note also the following change in *Atco Gas & Pipelines Ltd. v. Alberta (Energy Utilities Board)*, 2006 SCC 4, released February 9, 2006. In para. 8, line 3 of the English version, "s. 25.1(1)" should read "s. 25.1(2)".

cp/e/qw/qlscl/qlhbb

Attachment 1.7

BC Gas Utility Ltd.

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David M. Masuhara

Vice President
Regulatory, Environment & Safety,
Supply Chain & Logistics



July 9, 2002

British Columbia Utilities Commission
6th Floor, 900 Howe Street
Vancouver, B.C. V6Z 2N3

Attention: Mr. R.J. Pellatt
Commission Secretary

Dear Sirs:

Re: BC Gas Utility Ltd.
Coastal Facilities Project 1998
BCUC Order Number C-14-98

Attached are six (6) copies of the Project Completion Report for the Coastal Facilities Project 1998, addressing the Commission's direction in Order Number C-14-98.

If there are any questions on the attached report, please contact Laurie Gray at 592-7456 or Dan Westbrook at 576-7023.

Yours very truly,

BC GAS UTILITY LTD.

Per:

A handwritten signature in black ink, appearing to read "D. Masuhara", is written over the printed name.

D.M. Masuhara

Attachments

COASTAL FACILITIES PROJECT 1998

BCUC ORDER NUMBER C-14-98

PROJECT COMPLETION REPORT



July 2002

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1.0 Introduction

The Coastal Facilities Project was originally conceived in 1992 and involved the construction of new facilities to replace two buildings in Burnaby (Lochburn) deemed to be structurally deficient and unsafe, and alleviate the overcrowding condition at the Surrey (Fraser Valley) office. The project was subsequently put on hold as its scope and objectives were re-evaluated during a corporate reorganization. In August 1998 the project evolved to embody the concept of a centralized operations centre with the majority of operating functions and related support services relocating to Surrey (Fraser Valley) where greater customer growth is anticipated. Burnaby (Lochburn)'s presence would be reduced to a field operations office and a consolidated storage/shops facility, with the resulting excess land to be sold.

Primary among project objectives was to ensure that the key operations centre building met post-disaster standards to allow for an increased probability of continued operations. In May 1999, construction of the new meter shop (also called the Measurement Technologies Building) was postponed and removed from the project scope due to uncertainty in future business requirements, resulting in a net reduction to the project budget of \$3.5 million. The project began in June 1999 with a revised budget of \$59.1 million, and a scheduled completion date of November 2000. The original plan for Coastal Facilities included the creation of a call centre within the operations centre building; however, subsequent decisions have eliminated this necessity. As a result, additional business units and employees have moved into the available space.

The Coastal Facilities Project was implemented successfully based on objectives and technical parameters set in the August 1998 CPCN application. The approved CPCN budget was \$59.1 million and the actual project expenditures were \$58.7 million, so the project was completed at approximately \$400,000 under budget. Significant value and cost minimization was achieved throughout the project by utilizing creative value re-engineering methods in co-operation with all parties involved. In addition to the technical aspects of providing value and cost minimization, the project also embodied an effort by executive management to create a flexible, productive workspace to facilitate change to a more entrepreneurial corporate culture. The project was instrumental in facilitating this transition.

2.0 Scope Changes

The Commission approved the project in Order No. C-14-98 on September 10, 1998. The project had one significant scope change with the elimination of the Measurement Technologies Building. BC Gas provided the Commission with an updated cost estimate of the project on May 14, 1999 that resulted in a project budget of \$59,103,770 and the Commission acknowledged this budget change on June 4, 1999.

Details of the adjustment to eliminate the Measurement Technologies Building are noted as follows:

Measurement Technology Changes			
	August 1998 Approved CPCN	Measurement Technology Deletion	May 1999 Revised Estimate
Fees & Design	\$ 6,432,741	\$ (141,057)	\$ 6,291,684
Surrey (Fraser Valley)	37,762,954	(3,077,993)	34,684,961
Burnaby (Lochburn)	7,818,170	0	7,818,170
FF&E	10,595,872	(286,917)	10,308,955
Total	\$62,609,737	\$ (3,505,967)	\$59,103,770

The final approved project scope included the following:

1. Replacement of two buildings and temporary trailers at Burnaby (Lochburn).
2. Replacement of two buildings and temporary trailers in Surrey (Fraser Valley).
3. Construction of an operations centre, education/multi-use building, and satellite stores building in Surrey (Fraser Valley).
4. Construction of a field office and consolidated stores/shop at Burnaby (Lochburn).
5. Relocation of the majority of operating functions and related support services to Surrey (Fraser Valley).

All of these scope items have been completed.

3.0 Government Approvals

All government approvals were issued on schedule. Contractors and consultants worked closely with approval authorities. In the City of Surrey, the project utilized a "Certified Professional" to handle municipal approvals to ensure there were no delays resulting from the inspection process.

To address requirements and receive necessary permits and approvals, the BC Gas Coastal Facilities Trust and/or Contractor/Consultants worked with the Ministry of Environment, Lands and Parks, City of Surrey, City of Burnaby, GVRD, BC Hydro and WCB.

4.0 Material Procurement

All materials required for the project were identified, sourced, purchased, and delivered to the work sites to meet the construction schedule. Product lead times were considered and included in the project schedule.

5.0 Environmental Approvals

All required environmental permits and approvals were obtained. Remediation work related to construction at both sites was completed in accordance with the agreed Soils Management Plan. Soils subject to removal or importation were characterized prior to shipment. BC Gas utilized the Independent Remediation process at both construction sites.

6.0 Safety

A comprehensive Health and Safety Plan was prepared and executed in accordance with the requirements of all authorities having jurisdiction. The plan includes policies and procedures to protect workers and the public, identify key site health and safety personnel and their responsibilities, and work practices to mitigate job hazards.

The project utilized a full-time dedicated Health and Safety Officer with primary responsibilities to administer and ensure plan compliance. The WCB visited the sites at regular intervals and found no infractions of their regulations.

7.0 Completed Work

7.1 Burnaby Operations - Burnaby

The project completed the construction of an 11,646 square foot field operations building, a 59,588 square foot combined shops and stores facility, and a 1300 square foot storage shed. Due to ground conditions, all three buildings in Burnaby required special engineered foundations. Extensive environmental remediation work and special soils handling was required on this site.

Existing operations continued throughout the entire re-development of the site.

7.2 BC Gas Operations Centre - Surrey

The project completed the construction of an 182,829 square foot operations centre, a 28,380 square foot education building and a 5,689 square foot annex. A soil management plan was required to ensure soil exported and imported to the site met environmental requirements.

Existing operations continued throughout the entire re-development of the site.

The Operations Centre and Education Buildings were constructed to a higher energy efficiency standard and received national recognition under the Federal Commercial Building Incentive Program. The Operations Centre building was also a poster project in a world architectural competition in the Netherlands. Dominion Construction (Best General Contractor), Western Pacific Enterprises Ltd. (Best Electrical Contractor), and Fred Welsh Ltd. (Best HVAC Contractor) were all recognized by the Lower Mainland Regional Construction Trades Association for their achievements on the project.

8.0 Consultants

The project benefited from synergies in the project team. The team worked well with the general contractor to resolve issues and avoid delays. The project was able to achieve its objectives due in part to the working relationship between the consultant team and the prime contractor. Value-added consulting was provided in areas where cost saving value could be achieved.

9.0 Design Contracts

Consultants that contracted directly to the Coastal Facilities Trust used BC Gas standard service agreements to cover the work. The contract with Musson Cattell Mackey Partnership (MCMP) for the architectural and prime consultant work utilized a standard form architectural contract.

10.0 Construction Contract

Dominion Construction was awarded the project management role through a competitive bid process. Because they were involved during the planning phase and became familiar with the project requirements and objectives, they were best suited to be the general contractor and hence competitive bidding was not used in awarding the primary construction contract. An industry expert familiar with the competitive bid process was hired to ensure value was derived from the contract.

The construction contract was structured toward mitigating risk, clarifying roles and responsibilities, and aligning objectives of the contractor and project management, thereby creating a co-operative partnership throughout the project.

The project utilized a Guaranteed Maximum Price contract with the following benefits:

1. Clearly established guaranteed maximum cost of the work with a fixed fee and bonus incentive mechanism.
2. General scope of work not limited by the drawings and specifications.
3. Schedule only adjusted by Owner-initiated changes or extreme weather conditions.
4. Minimal risk to the Owner for most aspects of the work with the exception of subsurface conditions, and toxic and hazardous materials
5. Contractual obligation for the contractor to work with the Owner to keep costs below the budget approved by the Commission.
6. Cost-control mechanisms to provide protection from contractor extras and allow the Owner to control scope.
7. Extensive environmental protection.

11.0 Finance

The revised budget approved by the Commission was \$59,103,770. With over 99% of the costs now paid, the final project cost is estimated to be \$58,660,414. Attachment 1 compares the detailed variance analysis of actual costs to the CPCN estimate, as requested in the Commission letter dated October 30, 2001. The project was completed for \$443,356 less than budget.

Although the total project was under budget, there were still several financial challenges. The actual costs for the information technology upgrade, design consulting and Burnaby site work significantly exceeded budgeted costs as follows:

Cost category	Budget	Actual	Variance	
	\$Millions	\$Millions	\$Millions	Percent
Information technology	\$1.91	\$2.92	\$1.01	53%
Design consulting	\$1.64	\$2.65	\$1.01	62%
Burnaby Site Work	\$1.02	\$1.79	\$0.77	75%

Information Technology costs were incurred as requirements changed and became more defined. Cost increases in design consulting were due to uncertainty surrounding the office layout during initial stages, which resulted in changing floor plans and related requirements. Burnaby site work costs were incurred due to unanticipated soils remediation and sub-surface conditions.

The net cost savings for 2000 have been realized, with 2001 cost saving also expected to be on target. Although future cost savings are contingent on the ability to reduce currently leased office space, there are currently no indications that the anticipated net cost savings will not be realized.

Sale of excess land at Burnaby (Lochburn) remains outstanding as real estate consultants have indicated that market conditions may not be ideal at this time to maximize sale proceeds. Preliminary work to ready the property for marketing is underway.

12.0 Schedule

Substantial completion of construction was achieved on October 1, 2000, which is four months later than originally anticipated. Additional time was required for design review, and initiating value reengineering prior to construction which resulted in \$3.6 million in cost reductions. All key construction milestones were met and the project was completed within the amended time frame.

13.0 Current Leases

Prior to completion of the project, BC Gas leased space for its requirements in four Lower Mainland locations. On completion of the Coastal Facilities Project, leases were cancelled at Commerce Court (excluding leases for Measurement Technology), Gilfax, and the second and third floors at 1111 West Georgia. Floors 8, 10, and 11 have been leased, while Floors 7 and 9 are currently being marketed for lease.

14.0 Employee Moves

Relocation of all effected employees began after construction was substantially complete with affected employees within the original project scope relocated by December 2000 in conjunction with lease expiry terms. With the removal of the call centre, additional relocations outside the project scope are expected to be complete in 2002. Surrey (Fraser Valley) is expected to have over 700 employees on site, Burnaby Operations will have approximately 200 employees. These figures include full and part-time regular and temporary staff in M&E, OPEIU and IBEW positions. As requested in the Commission's letter dated October 30, 2001, a detailed summary of BC Gas' Lower Mainland facilities, staffing and location of staff is as follows:

<u>Location</u>	<u>Staffing at March 31, 2002</u>
Head Office (1111 West Georgia, Vancouver)	60
Burnaby Operations	194
Commerce Court	22
BC Gas Operations Centre (Surrey)	708
LNG Plant	12
Bainbridge	44
	1,040

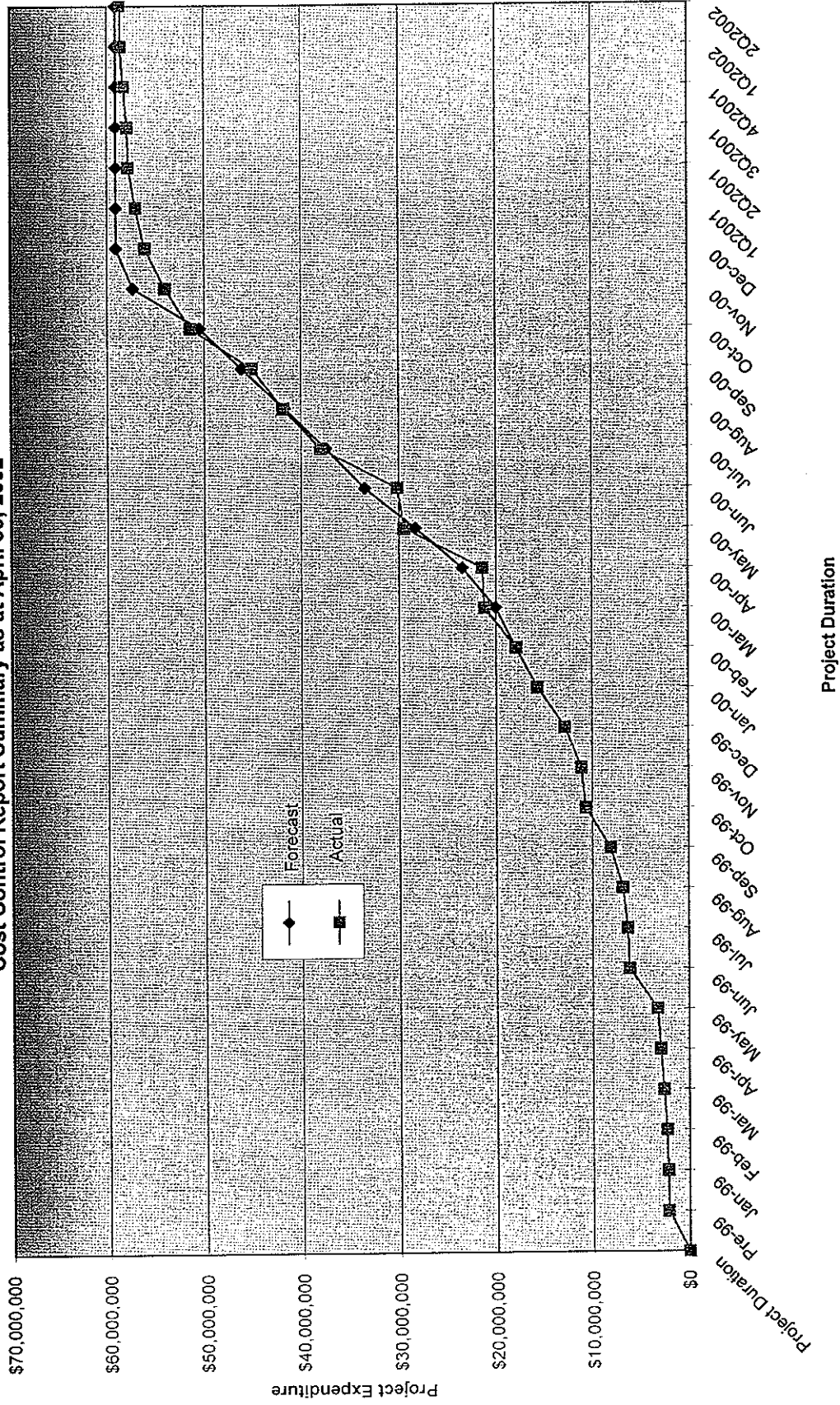
The Coastal Facilities Project encompasses more than just the construction of new buildings; it embodies an effort by executive management to create a productive and flexible workspace to facilitate significant change in corporate culture from a monopolistic utility mindset to a more entrepreneurial atmosphere. Change management played a large role in the overall success of relocating over 800 employees.

BC Gas Coastal Facilities Project 1998 - Final Report

CPCN BUDGET VS FINAL COSTS ANALYSIS

Cost Item	Rev. CPCN May 1999	Final Costs Actual 10/30/99	Variance	Variance Explanation
Surrey				
Operations Bldg	\$ 27,685,412	\$ 25,351,327	\$ 2,334,085	Value re-engineering
Education Bldg	\$ 3,736,519	\$ 3,115,890	\$ 620,629	Value re-engineering
Annex Bldg	\$ 613,855	\$ 629,516	\$ (15,661)	
Sitework	\$ 2,977,123	\$ 3,458,250	\$ (481,127)	Unexpected sub-surface conditions
Subtotal	\$ 35,012,909	\$ 32,554,983	\$ 2,457,926	
Burnaby				
Stores / Shop	\$ 5,223,240	\$ 6,269,196	\$ (1,045,956)	Additional foundation work resulting from sub-surface conditions and Stores concrete floor finish
Ops Bldg-Burnaby - Base Bldg & TI	\$ 1,944,930	\$ 1,170,581	\$ 774,349	Value re-engineering
Sitework	\$ 1,018,820	\$ 1,793,282	\$ (774,462)	Soil remediation and sub-surface site conditions
Subtotal	\$ 8,186,990	\$ 9,233,059	\$ (1,046,069)	
Total Construction Cost	\$ 43,200,899	\$ 41,788,042	\$ 1,412,857	
Design				
Dominion Value Added Bonus	\$ -	\$ 200,000	\$ (200,000)	Not contemplated in original budget
Government & Municipal Fees	\$ 968,963	\$ 793,762	\$ 175,191	Value re-engineering resulting in reduced Surrey Development Cost Charges
MCMP - Architect	\$ 943,558	\$ 1,400,509	\$ (456,951)	Redesign of BC Gas Operations Centre and Education Building
CBIP Credit	\$ -	\$ (115,160)	\$ 115,160	Federal government incentive to partially offset engineering costs for designing energy efficient buildings
BC Gas Project Personnel	\$ 440,000	\$ 657,087	\$ (217,087)	Longer than anticipated program
Citwest - Civil Consultant	\$ 144,000	\$ 296,794	\$ (152,794)	Sub-surface conditions and additional work to meet municipal requirements
Cook Pickering - Geotechnical Consultant	\$ 15,000	\$ 153,948	\$ (138,948)	Subsurface conditions at Burnaby
Keen - Mechanical Consultant	\$ 277,445	\$ 418,434	\$ (140,989)	Additional design to meet CBIP requirements
Kcm Lynn	\$ 23,080	\$ 101,228	\$ (78,148)	Design and layout re-engineering
Previous Application Work (1992)	\$ 1,625,000	\$ 1,617,891	\$ 7,109	
Reid Crowther - Communications	\$ 217,100	\$ 408,385	\$ (191,285)	Design and layout re-engineering
RJC - Structural Consultant	\$ 289,840	\$ 299,342	\$ (9,502)	
SSDG - Interior Design	\$ 453,000	\$ 739,844	\$ (286,844)	Design and layout re-engineering
Environmental Consultants	\$ 6,940	\$ 490,714	\$ (483,774)	Conformance to Ministry of Environment, Lands and Parks requirements and minimize risk
Misc. Consultants	\$ 191,000	\$ 652,262	\$ (461,262)	Consultants not originally anticipated required to minimize construction costs and reduce risk
Total Design Cost	\$ 6,534,918	\$ 6,114,840	\$ 2,259,924	
FF & E				
Furniture	\$ 6,063,358	\$ 4,502,082	\$ 1,561,266	Reuse of more existing furniture than anticipated
Equipment	\$ 1,579,347	\$ 387,466	\$ 1,191,881	Reuse of more existing equipment than anticipated
Tech Upgrade & Relocate Radio/Microwave	\$ 1,911,000	\$ 2,916,171	\$ (1,005,171)	Original requirements became more defined
Voice - Telus	\$ -	\$ 314,877	\$ (314,877)	Omitted from original budget
Move Costs	\$ 755,250	\$ 457,911	\$ 297,339	Costs lower than anticipated
Insurance Costs - Jardine Insurance	\$ -	\$ 179,015	\$ (179,015)	Costs not identified in the original budget. Required to reduce risk
Total FF & E and Move Costs	\$ 10,308,955	\$ 8,767,632	\$ 1,551,423	
Total Budget	\$ 53,509,854	\$ 50,560,474	\$ 2,949,380	
			\$ 59,103,770	

BC Gas Coastal Facilities Project Cost Control Report Summary as at April 30, 2002



Attachment 1.8

HISTORY OF BC GAS INC.

BC Gas Inc. ("BC Gas" or "the Company") was formed on July 1, 1989 by the amalgamation under the Company Act (British Columbia) of Inland Natural Gas Co. Ltd. ("Inland Division" or "Inland"), B.C. Gas Inc. ("B.C.G." or "Mainland Gas"), Columbia Natural Gas Limited ("Columbia Division" or "Columbia"), and Fort Nelson Gas Ltd. ("Fort Nelson Division" or "Fort Nelson"). Prior to that date Columbia, Fort Nelson and Mainland Gas were wholly-owned subsidiaries of Inland.

As a result of the amalgamation, the four companies for regulatory purposes became divisions of BC Gas which are called:

B.C.G.	-	Lower Mainland Division
Inland	-	Inland Division
Columbia	-	Columbia Division
Fort Nelson	-	Fort Nelson Division

The significant events leading to the amalgamation and subsequent are as follows:

July 15, 1988

Bill 45-1988, the Hydro and Power Authority Privatization Act, came into force through Regulation No. 273/88. This Act authorized the privatization of the Lower Mainland Division of BC Hydro and Power Authority, permitting the sale to Inland.

September 29, 1988

Agreement entered into between the Province and Inland, Columbia and Fort Nelson that froze all rates for the sale of gas by the three distributors until the end of September 1991, except for changes in certain identified expenses.

September 30, 1988

Order In Council ("OIC") 1823/88 - Authorized the transfer of all shares of B.C.G. (previously the Mainland Gas Division of B.C. Hydro) to Inland.

September 30, 1988

OIC 1824/88 - Confirmed the September 29th Agreement and exempted Inland, Columbia and Fort Nelson from certain provisions of the Utilities Commission Act in respect to transactions related to the acquisition of B.C.G.

September 30, 1988

OIC 1830/88 - Established the rate base of B.C.G. as of July 16, 1988, for the setting of rates and all other purposes, depreciation rates, capital cost allowance, notice requirements for changes in costs, deferral accounts, and other matters related to the B.C.G. rate freeze.

May 5, 1989

OIC 681/88 - Approval was given to the amalgamation of Inland, Columbia and Fort Nelson with B.C.G.

June 29, 1989

OIC 953/89 - Rescinded OIC 1824/88, repealed sections 4 to 11 and schedule 2 of OIC 1830/88 and, through an appendix, effectively extended the conditions from OIC 1830 to each of the four BC Gas Divisions for the period July 1, 1989 to the end of September 1991.

Section 18 of the Hydro and Power Authority Privatization Act resulted in the regulatory responsibilities with respect to B.C.G., as contained in the Utilities Commission Act and the Gas Utility Act, being transferred from the British Columbia Utilities Commission ("BCUC") to the Lieutenant Governor in Council ("LGC").

OIC 1824/88 confirmed the rate freeze for Inland, Columbia and Fort Nelson. OIC 953/89 ensured that from July 1, 1989 to the end of September 1991, BC Gas and its four divisions were regulated by the LGC. During this period, all the rights, powers, obligations, duties and functions of the BCUC under the Utilities Commission Act and the Gas Utility Act had been transferred to the LGC.

Under the legislation and the OICs B.C.G. (the Lower Mainland), Inland, Columbia, and Fort Nelson, either as separate companies or as Divisions of BC Gas, have effectively been regulated by the LGC from the date of the acquisition of B.C.G. by Inland until the end of September 1991.

Section 22 of the Hydro and Power Authority Privatization Act states that sections 12 to 15 and 18 to 20 are repealed on October 1, 1991. This means that the regulatory powers and responsibilities were transferred from the LGC to the BCUC. That section also states that the BCUC:

"shall not on or after the date of that repeal

- (a) review or reconsider a certificate, order, approval, rule, regulation endorsement or decision under the Utilities Commission Act or the Gas Utility Act made before that date by the Lieutenant Governor in Council in exercising any of the rights and powers and in performing any of the obligations, duties and functions given to him under this Division, or
- (b) exercise its powers under section 114 of the Utilities Commission Act in respect of anything done before that date by the Lieutenant Governor in Council in exercising any of the rights and powers and in performing any of the obligations, duties and functions given to him under this Division except in accordance with terms of reference that the Lieutenant Governor in Council may by order specify."

On October 1, 1991 BC Gas returned to full regulation under the BCUC. The first hearing set down for BC Gas will be a gas flowthrough/rate design application which is to be heard December 3, 1991. Normal relations with the Commission have been re-established.

HISTORY OF INLAND DIVISION
(Formerly Inland Natural Gas Co. Ltd.)

1 Inland Natural Gas Co. Ltd. ("Inland") was incorporated on June 4, 1952
2 under the British Columbia Companies Act. The head office of Inland is
3 at 1066 West Hastings Street, Vancouver, British Columbia. The
4 following is a description.

5
6 Inland began providing service in 1957 to some 27 communities including
7 residential, commercial and industrial customers, in the Interior of
8 British Columbia. It grew progressively through the 1960's with the
9 occurrence of major industrial development in the Interior, particularly
10 in forestry and mining. By the end of the 1960's Inland had grown to
11 serving 50 communities.

12
13 During 1974 and 1975 Inland constructed the East Kootenay Link, a 160
14 kilometre pipeline joining the southern part of the Interior
15 transmission system to the Alberta Natural Gas pipeline at Yahk, B.C.

16
17 In 1979 Inland acquired Columbia Natural Gas Limited, a natural gas
18 distributor in the East Kootenay region of B.C. In 1983, Inland
19 acquired 67% of Trans Mountain Pipe Line Company, the operator of the
20 second longest crude oil pipeline in Canada. The system extends from
21 Edmonton to Burnaby.

22
23 In 1985 Inland acquired Fort Nelson Gas Ltd., a gas distribution utility
24 serving the Fort Nelson area. In 1986 Inland diversified its activities
25 into gas and oil exploration and development through its subsidiary
26 Inland Gas & Oil Ltd. In 1987 Inland acquired Squamish Gas Co. Ltd., a
27 propane distribution utility serving - Squamish, B.C. By the mid-1980's
28 Inland served over 135,000 residential, commercial, and industrial
29 customers in 70 communities.

30
31 In 1987 Inland filed its first rate design application. During the same
32 year Inland faced bypass applications by three large industrial

1 customers. Eventually all three applicants settled a bypass rate with
2 Inland.

3
4 Inland's principal non-regulated operating subsidiaries were Inland Gas
5 & Oil Ltd., Inland Natural Gas Marketing Ltd., and Inland Pacific Energy
6 Corp., all of which are wholly-owned and incorporated under the laws of
7 British Columbia.

8
9 The Inland natural gas pipeline system consists of:

10
11 I. a main transmission pipeline of 597 kilometres extending from a
12 connection with the pipeline of Westcoast Transmission Company
13 Limited ("Westcoast") near Savona, British Columbia to the
14 Pipeline of Alberta Natural Gas Company Ltd. near Yahk, British
15 Columbia;

16
17 II. a connecting transmission pipeline of 263 kilometres from the
18 Westcoast main line near Kingsvale, British Columbia to Inland's
19 transmission line near Oliver, British Columbia; and

20
21 III. numerous transmission laterals.

22
23 Inland last appeared before the BCUC in 1986 for a general increase in
24 its rates based on a test year ended June 30, 1987. The Decision of the
25 BCUC is dated August 6, 1987. Inland also appeared before the BCUC in
26 1987 with respect to rate design and allocated cost of service matters.
27 The Decision of the BCUC, which resulted in changes in rates charged to
28 the classes of customers is dated December 11, 1987.

29
30 On September 30, 1988, Inland acquired the Mainland Gas Division of BC
31 Hydro, the sole distributor of natural gas in the greater Vancouver
32 Fraser Valley area of British Columbia

33 On July 1, 1989 pursuant to an amalgamation under the Companies Act,
34 Inland became part of BC Gas Inc. and is now referred to as the Inland
35 Division.

HISTORY OF COLUMBIA DIVISION
(Formerly Columbia Natural Gas Limited)

1 Columbia Natural Gas Limited was incorporated on November 6, 1961 under
2 the British Columbia Companies Act. It became a public company in 1962
3 and in 1973 reverted to a private company. During the intervening
4 period Columbia became wholly owned by Norcen Pipelines Ltd.

5
6 In 1962 Columbia was granted a Certificate of Public Convenience and
7 Necessity by the Public Utilities Commission of British Columbia and
8 commenced the distribution of natural gas within the present communities
9 of Cranbrook, Kimberley, Creston and Fernie. Since then, service was
10 extended to the communities of Elkford, Sparwood, Yahk, Skookumchuk,
11 Marysville, Jaffray, Byron Creek, and Galloway. In addition, Columbia
12 serves five large industrial customers located within its general
13 service area. Extensions have been made to Columbia's transmission
14 facilities to serve these customers.

15
16 The operations are conducted from its main regional office located in
17 Cranbrook and out of district offices in Kimberley, Creston, Fernie and
18 Sparwood. Services such as customer billing, collection, accounting,
19 financial, marketing, legal, employee relations, employee training,
20 engineering, gas supply, gas measurement and corporate matters are
21 provided through administrative services largely centralized in the
22 Lower Mainland.

23
24 Natural gas supplies are obtained from seven taps located on the export
25 transmission pipeline of Alberta Natural Gas Company Limited. These
26 taps are located at Sparwood, Fernie, Elko, Jaffray, Cranbrook, Yahk and
27 Creston.

28
29 The Company has gas supply contracts with Esso Resources Canada Limited
30 and Canadian Hunter Exploration Limited for the Columbia Division
31 entitling the Company to purchase systems sales gas from the Deep Basin
32 region of British Columbia. Arrangements have been made by the Company
33 to transport such gas under a contract with Alberta and Southern Gas Co.

1 Ltd. on the Nova Corporation of Alberta and ANG transportation systems
2 to the Columbia Division.

3
4 The Columbia Division also obtains gas supply from the Westcoast system
5 via the East Kootenay Link. This gas is purchased on an interruptible
6 basis from the Interior Division through the East Kootenay Link.

7
8 Columbia last appeared before the BCUC in 1986 for a general increase in
9 its rates based on a test year ended June 30, 1987. The Decision of the
10 BCUC is dated January 21, 1987. Columbia also appeared before the BCUC
11 in 1987 with respect to rate design and allocated cost of service
12 matters. The Decision of the BCUC, which resulted in changes in rates
13 charged to the classes of customers is dated May 17, 1988.

14
15 On July 1, 1989 pursuant to an amalgamation under the Companies Act
16 Columbia became part of BC Gas Inc. and is now referred to as the
17 Columbia Division.

HISTORY OF FORT NELSON DIVISION

(Formerly Fort Nelson Gas Ltd.)

1 Fort Nelson Gas Ltd. was incorporated on April 2, 1962 under the British
2 Columbia Companies Act and was a wholly-owned subsidiary of Colonial Oil
3 & Gas Limited ("Colonial"), another B.C. corporation. On July 29, 1985
4 Inland Natural Gas Co. Ltd. purchased the shares of Fort Nelson from
5 Colonial and Fort Nelson became a wholly-owned subsidiary of Inland.

6
7 Fort Nelson operates a natural gas transmission and distribution system
8 that serves the community of Fort Nelson and immediately adjacent areas.
9 Fort Nelson is located at mile 300 of the Alaska Highway. Fort Nelson
10 obtains its gas supply from Westcoast Energy Inc. Fort Nelson serves
11 approximately 1,400 residential and commercial customers and two
12 industrial customers. In addition, a transmission service is provided
13 to the British Columbia Hydro and Power Authority, the largest user of
14 the transmission system, for its electrical generating facility located
15 in Fort Nelson.

16
17 The operations of the Fort Nelson Division are conducted out of the
18 office located in Fort Nelson. The Prince George regional head office
19 is responsible for the Fort Nelson service area and provides
20 administrative support functions such as customer billing collection,
21 accounting, financial, marketing, employee relations, employee training,
22 engineering, gas supply, gas supply, gas measurement and corporate
23 matters. Fort Nelson has four permanent employees providing operational
24 and customer services. All other services are provided by employees of
25 BC Gas Inc.

26
27 Fort Nelson appeared before the BCUC in 1985 for a general increase in
28 its rates based on a 1985 test year. The Decision of the BCUC is dated
29 March 12, 1985.

30
31 On July 1, 1989 pursuant to an amalgamation under the Companies Act,
32 Fort Nelson became part of BC Gas Inc. and is now referred to as the
33 Fort Nelson Division.

HISTORY OF LOWER MAINLAND DIVISION
(Formerly Mainland Gas and B.C. Gas Inc.)

Gas distribution started in British Columbia in the late 1800's. The B.C. Electric Railway Company acquired the Vancouver Gas Company in 1904 and the New Westminster Gas Company in 1926. These acquisitions were subsequently transferred into B.C. Electric Power and Gas Co. Ltd. The company served the emerging metropolitan areas of Vancouver and the cities and townships in the Fraser Valley. In 1946 the company changed its name to B.C. Electric Company Limited. In 1956 natural gas became available to the lower mainland of Vancouver through the construction of the Westcoast Transmission (as it then was) transmission system. The existing system was converted to natural gas and a natural gas system expanded into the largest gas market in B.C. The B.C. Electric Company Limited and its subsidiary companies were consolidated into British Columbia Hydro and Power Authority ("BC Hydro") which was established as a Crown corporation in 1962.

In 1988, as part of the privatization initiative of the Provincial Government, the assets of BC Hydro's Mainland Gas Service, which distributed natural gas in the greater Vancouver and Fraser Valley areas ("Mainland Gas"), were transferred into a BC Hydro wholly owned subsidiary, 74280 B.C. Ltd. (the "Company"), which was offered for sale. Inland Natural Gas Co. Ltd. ("Inland") offered to purchase and was accepted by the Provincial Government as the successful bidder for the Company. The Company subsequently changed its name to B.C. Gas Inc. On July 1, 1989 Inland Natural Gas Co Ltd., Columbia Gas Co Ltd. and Fort Nelson Gas Co Ltd. and B.C. Gas Inc. were amalgamated, pursuant to the Companies Act, and continued as BC Gas Inc. ("BC Gas"). Mainland Gas is now referred to as the Lower Mainland Division.

The Lower Mainland Division distributes gas from its transmission pipelines to residential, commercial and industrial customers via an extensive network of mains and services. The last public hearing involving the Lower Mainland Division was in 1983 as part of BC Hydro's overall revenue requirement hearing. The decision of the British

1 Columbia Utilities Commission with respect to that hearing was February
2 28, 1983.

3
4 While all operational aspects of the gas distribution business were
5 handled by Mainland Gas prior to privatization, virtually all corporate
6 services¹ as well as meter reading, account processing and control,
7 billing, collection, and customer advisory and inquiry services were
8 performed by BC Hydro on behalf of Mainland Gas. In effect, in the
9 privatization Inland purchased an operating division not an operating
10 company. Inland's systems, moreover, were neither large nor
11 sophisticated enough to be able to provide the necessary overall
12 corporate and financial services to the new amalgamated corporate
13 entity. Although BC Gas has repatriated a number of these services and
14 is performing those repatriated services on behalf of the Lower Mainland
15 Division, many services are still being provided by B.C. Hydro and its
16 subsidiaries on a contract basis.

17 ¹ Note: a number of these services are no longer
18 being performed by B.C. Hydro.

1. The key services provided to the Mainland Gas after privatization included:

List of Services

General Description

- | | | |
|--------|--|---|
| (i) | Customer Service and Design | Handle walk-in and telephone customer enquiries concerning gas use, service hook-ups, and so on |
| (ii) | Meter Reading | Provide meter reading |
| (iii) | Customer Accounts | Customer enquiries concerning billing and credit |
| (iv) | Customer Advisory | Provide a central technical resource group to handle enquiries from District Offices, and to visit the larger customers |
| (v) | Control Centre | Handle emergency and trouble calls from customers. Dispatch service crews on swing and graveyard shifts |
| (vi) | Energy Management | Prepare data sheets and provide on-site technical advice to customers |
| (vii) | Advertising and Promotion | Provide advertising and promotion |
| (viii) | Load Forecast, Rates and Market Research | Provide gas load forecasts, design rates and tariffs for gas customers and carry out market research |
| (ix) | System Development | Provide specialized engineering assistance |
| (x) | Properties | Handle or advise on property matters |
| (xi) | Purchasing | Purchase goods and materials |
| (xii) | Quality Control and Inspection | Inspect goods and materials to ensure they meet specifications |
| (xiii) | Stores | Store material for planned system expansion and for routine system maintenance. Administer Stores |

	<u>List of Services</u>	<u>General Description</u>
1		
2		
3		
4	(xiv) General	Provide a wide range of services
5	Services	such as security, relief staff,
6		office services, mail service,
7		printing services, building services
8		
9	(xv) Claims	Provide claims appraisal and
10		adjustments
11		
12	(xvi) Human	Provide expertise in human resources
13	Resources	
14		
15	(xvii) Financial	Provide financial services such as
16	Services	corporate accounting, plant
17		accounting, management accounting,
18		accounts payable, payroll, customer
19		accounts, management control and
20		reporting, treasury services,
21		cash services and credit and risk
22		management
23		
24	(xviii) Computer and	Provide computer services
25	Management	
26	Systems	
27		
28	Note: A number of these services have been repatriated to BC Gas and are	
29	no longer being performed by B.C. Hydro.	

Attachment 3.2

403. HEAVY INDUSTRIAL DISTRICT (M3), (M3a), (M3r), (M3L) & (M3k)

This District provides for the accommodation of special types of industry and heavy industrial activities.

403.1 Uses Permitted:

- (1) Uses permitted in the General Industrial District (M2) other than retail building supply establishments. (B/L No. 11637-03-12-01)
- (2) The following Commercial and Service uses:
 - (a) Drive-in theatres. (B/L No. 5884-71-09-20)
 - (b) General and heavy construction contractors.
 - (c) Sale and repair of machinery and heavy equipment.
 - (d) Truck terminals, subject to the regulations of the M6 District.
 - (e) Welding shops.
- (3) The manufacturing, processing or packaging of the following food products:
 - (a) Flour, grain and feed.
- (4) The manufacturing or processing of the following textile products:
 - (a) Synthetic fibres.
- (5) The manufacturing or processing of the following wood and paper products:
 - (a) Building paper and board.

- (b) Ground wood pulp.
 - (c) Lumber and building materials.
 - (d) Matches.
 - (e) Millwork products.
 - (f) Paper.
 - (g) Plywood and veneer.
 - (h) Prefabricated structural wood products.
 - (i) Shingles.
 - (j) Wood preserving.
- (6) The following metal processing operations:
- (a) Casting, extruding, finishing, forging and rolling.
 - (b) Electric furnace reduction of ore and scrap.
 - (c) Metal alloying.
 - (d) Metal refining.
- (7) The manufacturing or processing of the following fabricated metal products:
- (a) Boilers and plates.
 - (b) Fabricated and structural metals.
 - (c) Pipe and tubing.

- (8) The manufacturing of the following machinery and transportation equipment or other products of like character or kind:
 - (a) Agricultural implements.
 - (b) Aircraft.
 - (c) Boats and ships.
 - (d) Engines, turbines, pumps and compressors.
 - (e) Heavy machinery and equipment.
 - (f) Motor vehicles.
 - (g) Railroad rolling stock and equipment.
- (9) The manufacturing of the following electrical equipment:
 - (a) Heavy electrical machinery and equipment.
- (10) The manufacturing, processing or finishing of the following non-metallic mineral products, or others of like character or kind:
 - (a) Abrasive products.
 - (b) Asbestos products.
 - (c) Cement, plaster lime, gypsum and associated products.
 - (d) Clay and clay products.
 - (e) Concrete products and ready-mix concrete.
 - (f) Rock, sand and gravel.
 - (g) Stone products.
- (11) The manufacturing, processing and storage of the following petroleum and coal products:
 - (a) Asphalt.
 - (b) Coal and tar products.

- (c) Coke.
 - (d) Creosote.
 - (e) Paving and roofing materials.
 - (f) Petroleum products.
- (12) The manufacturing, processing and storage of the following chemical and allied products:
- (a) Compressed gases.
 - (b) Disinfectants and insecticides.
 - (c) Gum and wood chemicals.
 - (d) Primary plastics.
 - (e) Rubber.
- (13) Cargo handling and wharf facilities. (B/L No. 5133-68-06-10)
- (14) Storage yards.
- (14A) Animal training and daycare facilities. (B/L No. 11272-01-09-17)
- (15) The following additional uses in areas having an M3a designation:
- (a) Automobile wrecking yards, and junk yards, provided that the use
 - (i) is located at least 30 m (98.43 ft.) from the boundary of any A2, R or RM zoning district,
 - (ii) is completely enclosed by a solid fence or wall that is 2.4 m (7.87 ft.) high and is uniformly painted and well maintained and is not used for advertising or display purposes or for the posting of notices, and

- (iii) is separated from any adjoining street or from any directly abutting A2, R or RM zoning district by a strip of land not less than 1.8 m (5.91 ft.) in width and has the required solid fence or wall located on the interior or rear side of the strip, which shall be suitably landscaped and properly maintained;
 - (b) Pounds, provided that all buildings, structures, cages, pens or runs associated with the use are located at a distance not less than 24.5 m (80.38 ft.) from all street or lot lines;
 - (c) The storage of low hazard fireworks for recreation, which are included in Class 7.2.1 of the classification of fireworks under the Canada Explosives Act and Regulations. (B/L No. 9109-89-05-29)
- (16) Accessory buildings and uses, including the internal display, internal storage and internal retail sale of goods produced or stored on the premises. (B/L No. 6178-72-11-20)
 - (17) In areas having an M3r designation: Cafes or restaurants (excluding drive-in restaurants) serving the day-to-day needs of industrial developments and their employees. (B/L No. 7333-79-04-02)
 - (18) In areas having an M3L designation, indoor athletic recreation uses that require a minimum floor area of 370m² (3982.7 sq.ft.) and a minimum ceiling height of 6m (20 ft.). (B/L No. 10310-96-01-15)
 - (19) In areas having an M3k designation, indoor go-kart tracks. (B/L No. 10632-97-11-17)

403.2 Conditions of Use:

- (1) Nothing shall be done which is or will become an annoyance or nuisance to the surrounding areas by reason of unsightliness, the emission of odours, dust, liquid effluent, fumes, smoke, vibration, noise or glare, nor shall anything be done which creates or causes a health, fire or explosion hazard, electrical interference or undue traffic congestion.
- (2) Uses listed in clauses (3) to (12) inclusive of Section 403.1 shall be located 61 m (200.13 ft.) or more from the zoning boundary of an A2, R or RM District.

403.2.1 Height of Buildings:

The height of a building shall not exceed four storeys. (B/L No. 10639-97-11-17)

403.3 Lot Area and Width:

Each lot shall have an area of not less than 930 m² (10,010.76 sq.ft) and a width of not less than 30 m (98.43 ft.).

403.4 Front Yard:

A front yard shall be provided of not less than 6.0 m (19.69 ft.) in depth, except where a lot is separated from a lot in an R or RM District by a street, such front yard shall be not less than 9.0 m (29.53 ft.) in depth. (B/L No. 11204-01-02-12)

403.5 Side Yards:

A side yard shall be provided on each side of the building of not less than 3.0 m (9.84 ft.) in width, except that:

- (1) A side yard not flanked by a street, lane or an A, R or RM District may be reduced to nil, provided that the other side yard has a width of not less than 6.0 m (19.69 ft.).
- (2) In the case of a corner lot, the side yard adjoining the flanking street shall be not less than 4.5 m (14.76 ft.) in width.
- (3) Where a lot abuts a lot in an A, R or RM District, or is separated by a street or lane therefrom, a side yard shall be provided of not less than 6.0 m (19.69 ft.) in width. (B/L No. 6117-72-12-18)

403.6 Rear Yard:

A rear yard shall be provided of not less than 3.0 m (9.84 ft.) in depth, except where a lot abuts a lot in an A, R or RM District, or is separated by a lane therefrom, such rear yard shall be not less than 9.0 m (29.53 ft.) in depth. (B/L No. 5884-71-09-20)

403.7 Off-Street Parking:

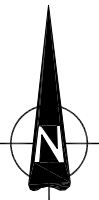
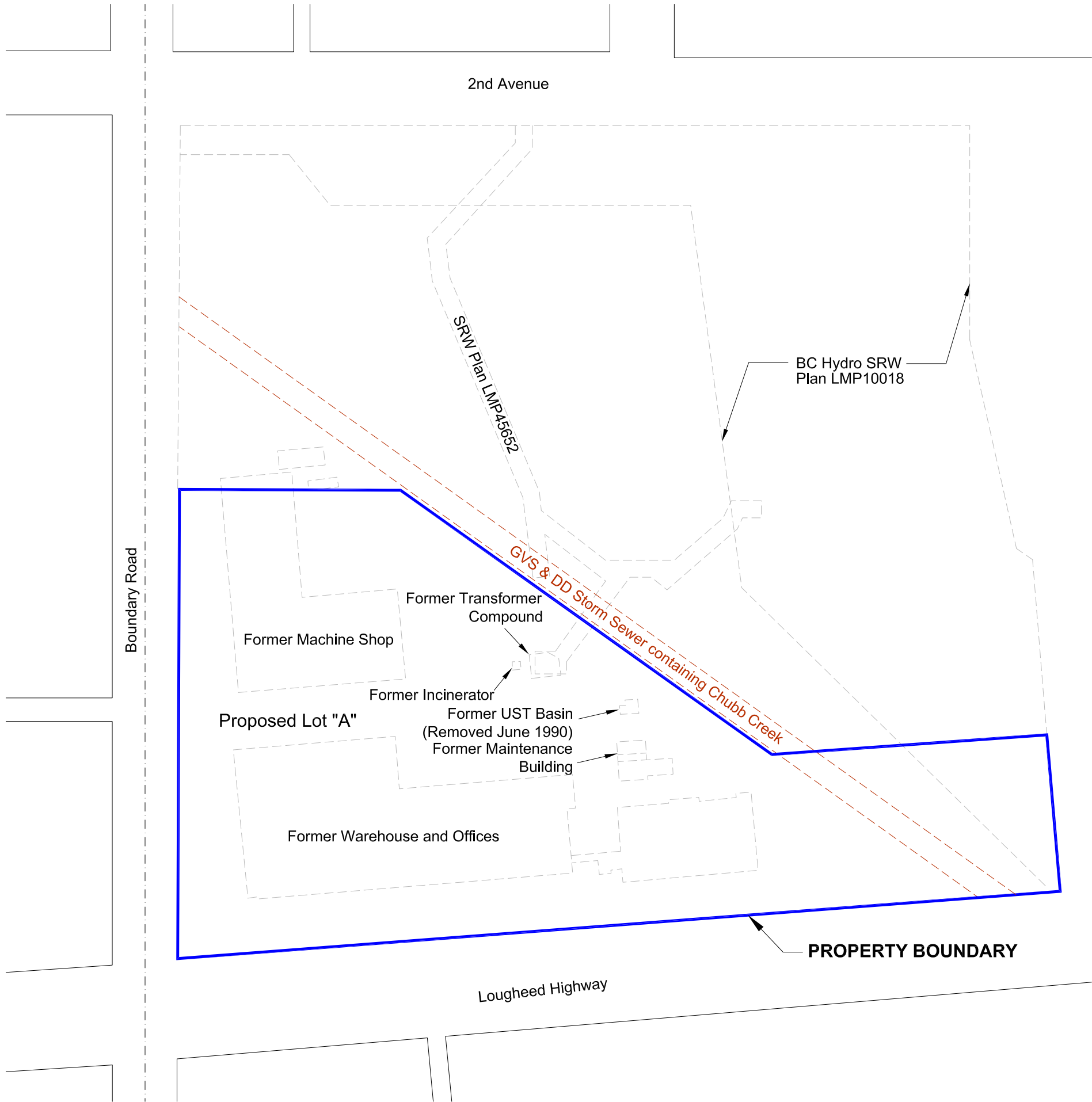
Off-street parking shall be provided and maintained in accordance with Schedule VIII of this Bylaw.

403.8 Off-Street Loading:

Off-street loading shall be provided and maintained in accordance with Schedule IX of this Bylaw.

Attachment 3.5.1

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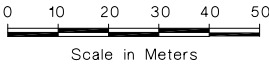


LEGEND

----- Former Building

REFERENCE

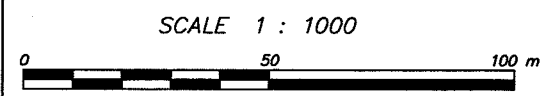
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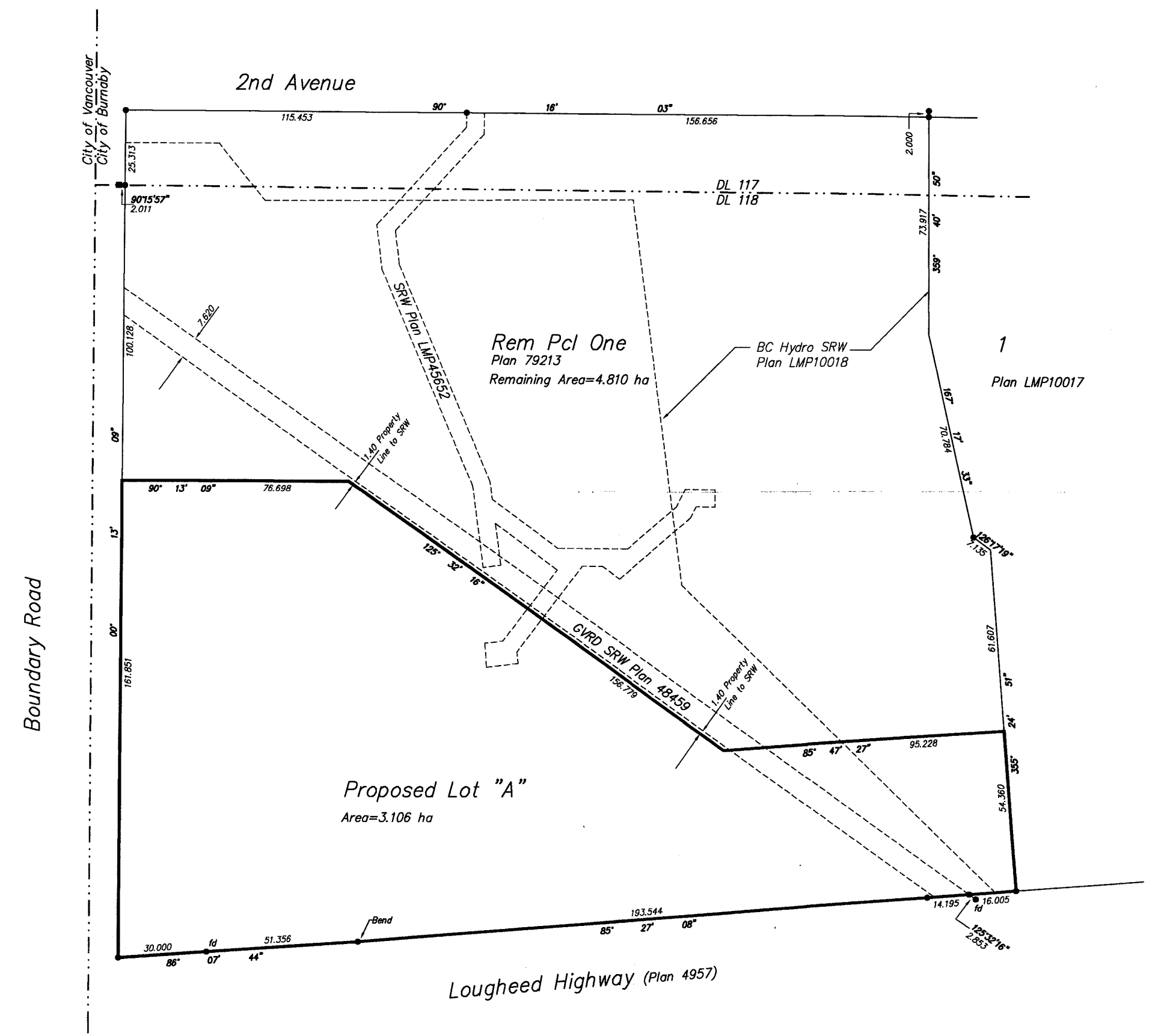
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TITLE		SITE FEATURES			
		PROJECT No. 04-1412-130			FILED 041412130-REV-B SKSITE
		DESIGN	NJ	23AUG07	SCALE AS SHOWN REV. --
		CADD	BAD	23AUG07	
		CHECK			
		REVIEW			
FIGURE A					

Attachment 3.6.1.1

Proposed Subdivision Plan Of Parcel "One" Except:
Part in Plan LMP10017 District Lots 117 and 118
Group 1, NWD, Reference Plan 79213



- LEGEND:
- All Distances Are In Metres And Decimals Thereof
- ⊕ Control Monument Found
 - Standard Iron Post Found
 - Standard Iron Post Set
 - Standard Lead Plug Found



Attachment 3.10



NILSEN REALTY RESEARCH LTD.

Ste.1056, 409 Granville Street
Vancouver, B.C. V6C 1T2
Tel: 604 687-8831
Fax: 604 687-2092

February 23, 2001

Ref. #13142

Mr. W.S. Pierce
Devoncore Company Ltd.
Box 60 One Bentall Centre
1860 - 505 Burrard St.
Vancouver, BC
V7X 1M6

Dear Sirs:

**Re: A 7.7 Acre Portion of
3777 Lougheed Highway, Burnaby, BC**

We refer to our proposal of January 26th, 2001 and your instructions of February 16th, 2001 for us to provide you with our estimate of the current market value of a 7.7 acre portion of the above property. Our estimate of value is based upon a number of specific assumptions, in addition to those listed in the Appendix, and these are as follows:

1. The subject site of 7.7 acres does not yet comprise a legal entity as it forms part of a larger parcel in the ownership of BC Gas. For the purposes of this exercise we have assumed that a separate title, free and clear of financial encumbrances, has been created for the 7.7 acre portion the subject of this appraisal.
2. You have informed us that the proposed site will comprise 7.7 acres and we have assumed this to be so. On legal survey, should the actual area of the site differ significantly this could have a material effect on our estimate of value. We would therefore recommend that a legal survey be undertaken to confirm the boundaries and area of the subject site.
3. The eastern portion of the 7.7 acre site is encumbered by a BC Hydro transmission line right of way and the appraised value estimate reflects the presence of this right of way. Furthermore running parallel with the northeastern boundary of the subject property is a G.V.S.&D.D. right of way, 25 wide. Within this right of way is the former Chubb Creek which has been box culverted. It is our understanding on rezoning that the City will require this section to be de-culverted, with setbacks required either side of the open creek. We have assumed this will be the case. The costs of de-culverting the creek are not known at this time and it should be specifically noted that any extraordinary costs associated with the rehabilitation of the creek, should be deducted from our estimate of value.

4. Soils in the subject area have generally poor load-bearing capacities and we have assumed that all future buildings will require piling. However we have assumed no further extraordinary construction costs associated with the site and should it be discovered after soil survey that further costs of site preparation are required this may have a material affect on our estimate of value. In this regard we would note the possible presence of piles supporting the existing buildings, which will have to be removed. Furthermore we would specifically note that in large industrial parcels such as the subject there is often a problem with contaminated soils which can be expensive to rectify. Therefore for the purposes of this report, with no soil survey available to us, our opinion of value does not take into account any potential costs to rectify any contaminants that may be present in the soil.
5. There are a number of buildings presently on the site, utilized by BC Gas, for office, warehouse, manufacturing and service uses. We have been instructed to assume a completely cleared site for the purposes of this exercise and therefore no account has been taken of these improvements, their potential costs of demolition, nor extra costs associated with the removal of the existing piles.
6. It is our understanding that the owners of the subject property, BC Gas, propose to rezone the 7.7 acre parcel from M3 to CD (M5) and the City of Burnaby have indicated in principle they would support this. Our estimate of value, in accordance with your instructions, will assume the rezoning is in place and that a density of 1.0 FAR is achievable. If, following detailed design studies, due to setbacks from the adjacent roads and creek, height restrictions, etc. this density is not ultimately achievable then this will have an affect on our value estimate and we would reserve the right to adjust it accordingly.

Based upon the Limiting Conditions and specific assumptions contained herein we are of the opinion that the market value, as at February 19, 2001, is in the order of

SIX MILLION THREE HUNDRED SEVENTY THOUSAND DOLLARS (\$6,370,000)

We trust that this report is sufficient for your purposes but should you require anything further please do not hesitate to get in touch with us.

Yours very truly

NILSEN REALTY RESEARCH LTD.



A. K. Gordon
Dip.Surv., FRICS, AACI

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SUMMARY OF SALIENT FACTS & CONCLUSION

Civic Address: 3777 Lougheed Highway
Burnaby, B.C.

Legal Description: Portion of Parcel 1, Except Plan LMP 10017
District Lot 117 & 118
Group 1
N.W.D. Plan RP79213
P.I.D.: 012-035-173

Site Area: Assumed 7.7 acre portion of existing 19.565 acre site.

Current Zoning: M3, assumed to be rezoned to CD(M5)

Type of Property: Assumed vacant site, cleared of existing improvements and ready for development.

Highest & Best Use: Development site for potential office use in accordance with proposed CD(M5) guidelines.

Date of Inspection: February 19, 2001

Date of Market Value Estimate: February 19, 2001

Market Value Conclusion: **\$6,370,000**

Specific Assumptions: The above estimate of value is based upon the specific assumptions as outlined in the Letter of Transmittal and Purpose, Intent and Scope of Appraisal section of this report and the reader's attention is drawn to them.

DEFINITIONS

Purpose, Intent and Scope of the Appraisal

The purpose of this report is to estimate the market value of the subject property as at February 19, 2001.

We are informed that the intent of this report is that it may be used for sale or possible joint venture purposes.

Our estimate of value is subject to the assumptions and limiting conditions introduced into the report which form an integral part of the conclusion arrived at and should be read in conjunction with it. For the purpose of the appraisal, the interest is assumed to be free of financial encumbrances. The estimate of value is also subject to the specific assumptions as outlined in the letter of transmittal and also set out below:

1. The subject site of 7.7 acres does not yet comprise a legal entity as it forms part of a larger parcel in the ownership of BC Gas. For the purposes of this exercise we have assumed that a separate title, free and clear of financial encumbrances, has been created for the 7.7 acre portion the subject of this appraisal.
2. You have informed us that the proposed site will comprise 7.7 acres and we have assumed this to be so. On legal survey, should the actual area of the site differ significantly this could have a material effect on our estimate of value. We would therefore recommend that a legal survey be undertaken to confirm the boundaries and area of the subject site.
3. The eastern portion of the 7.7 acre site is encumbered by a BC Hydro transmission line right of way and the appraised value estimate reflects the presence of this right of way. Furthermore running parallel with the northeastern boundary of the subject property is a G.V.S.&D.D. right of way, 25 wide. Within this right of way is the former Chubb Creek which has been box culverted. It is our understanding on rezoning that the City will require this section to be de-culverted, with setbacks required either side of the open creek. We have assumed this will be the case. The costs of de-culverting the creek are not known at this time and it should be specifically noted that any extraordinary costs associated with the rehabilitation of the creek, should be deducted from our estimate of value.

4. Soils in the subject area have generally poor load-bearing capacities and we have assumed that all future buildings will require piling. However we have assumed no further extraordinary construction costs associated with the site and should it be discovered after soil survey that further costs of site preparation are required this may have a material affect on our estimate of value. In this regard we would note the possible presence of piles supporting the existing buildings, which will have to be removed. Furthermore we would specifically note that in large industrial parcels such as the subject there is often a problem with contaminated soils which can be expensive to rectify. Therefore for the purposes of this report, with no soil survey available to us, our opinion of value does not take into account any potential costs to rectify any contaminants that may be present in the soil.
5. There are a number of buildings presently on the site, utilized by BC Gas, for office, warehouse, manufacturing and service uses. We have been instructed to assume a completely cleared site for the purposes of this exercise and therefore no account has been taken of these improvements, their potential costs of demolition, nor extra costs associated with the removal of the existing piles.
6. It is our understanding that the owners of the subject property, BC Gas, propose to rezone the 7.7 acre parcel from M3 to CD (M5) and the City of Burnaby have indicated in principle they would support this. Our estimate of value, in accordance with your instructions, will assume the rezoning is in place and that a density of 1.0 FAR is achievable. If, following detailed design studies, due to setbacks from the adjacent roads and creek, height restrictions, etc. this density is not ultimately achievable then this will have an affect on our value estimate and we would reserve the right to adjust it accordingly.

In addition it should be recognized that, while a copy of the certificate of title is included in the Appendix, we have not obtained a legal opinion. Thus, except to the extent noted, we have also assumed that the property is free of any encumbrances that would materially affect value. We would recommend that a legal opinion be sought.

We have not carried out any investigation regarding possible site problems, such as P.C.B. or hydrocarbon contamination, industrial waste, or contaminants, and make no representation in this regard. We are instructed to assume the subject property is free and clear of all soils contamination. We note that recognizing, detecting or measuring contamination, as well as estimating remediation costs, is beyond the scope of this report. Should any problems exist, they could have an effect on value.

No analysis has been undertaken to determine the overall type and condition of the soils on the subject property, or to determine its overall stability with regard to the existing improvements and any future development.

The scope of this report has included the following:

- Inspection of the subject site.
- Review of title and encumbrances.
- Review, analysis, and inspection of comparable land sales and listings and discussions with agents and property owners.
- Inspection of the surrounding neighbourhood.
- Discussions with representatives from the City of Burnaby and a review of the Zoning Bylaw and Official Community Plan.

Date of Inspection

February 19, 2001

Date of Estimate of Market Value

February 19, 2001

Interest Appraised

Fee simple interest as if unencumbered by mortgages or other financial charges.

The fee simple interest is the greatest possible estate in land, and includes a "bundle of rights" which embrace the right to use the property, to sell it, to lease it, to enter it, or to give it away. These rights and privileges are subject to only the powers of the Crown including taxation, expropriation, and land use controls, such as zoning and subdivision bylaws.

Definition of Market Value

The following definition of market value is taken from the USPAP 1998 Canadian Supplement.

"The most probable price which a property should bring in a competitive and open market under all conditions requisite to a fair sale, the buyer and seller each acting prudently and knowledgeably, and assuming the price is not affected by undue stimulus. Implicit in this definition is the consummation of a sale as of a specified date and the passing of title from seller to buyer under conditions whereby:

1. buyer and seller are typically motivated;
2. both parties are well informed or well advised, and acting in what they consider their best interests;
3. a reasonable time is allowed for exposure in the open market;
4. payment is made in terms of cash in Canadian dollars or in terms of financial arrangements comparable thereto; and
5. the price represents the normal consideration for the property sold unaffected by special or creative financing or sales concessions granted by anyone associated with the sale."

The above is subject to the qualifications referred to in this report.

History of Subject Property

According to Multiple Listing Service and Land Title Office records the subject property has not sold nor been offered on the market over the last three years.

PROPERTY DATA

Property Address

3777 Lougheed Highway
Burnaby, BC

Legal Description

As noted earlier, the subject site forms part of a larger site, legally described as follows:

Parcel One Except Plan LMP 10017
District Lot 117 and 118
Group 1
NWD Reference Plan 79213
Parcel Identifier No. 012-035-173

The whole property is held under title number BG62268 and registered in the name of BC Gas Utility Ltd. Registered against the present title are the following charges.

1. Statutory right of way BY31430 in favour of the G.V.S.&D.D. permitting a culvert within a 25 foot right of way to pass diagonally along the northeast boundary of the 7.7 acre subject site. We have assumed that this charge will be amended on the proposed de-culverting of the creek on rezoning. The width of the setback and the right of way is not known at this time but will range between 15 metres and 30 metres. This issue is discussed further later in the report.
2. Statutory rights of way BG130703 and BG130704 in favour of BC Hydro relating to transmission line rights of way as indicated on plan LMP10018 and comprising 2.60 ha or 6.42 acres along the eastern and northern portions of the existing 19.565 acre parcel. This right of way will impact a small portion of the east part of the proposed 7.7 acre parcel.
3. Statutory rights of way BP83669 in favour of BC Hydro relating to a portion of the proposed subject 7.7 acre parcel and indicated on plan LMP45652. Under this agreement the owner may not build, erect, place any structure foundation and improvement on the right of way without the consent of BC Hydro.

In addition there are various mortgages and modifications and a lease to TD Trust Company inter alia. However for the purpose of this report we have assumed the property is free and clear of financial encumbrances. A copy of the Certificate of Title is included in the Appendix and following that we have included reduced copies of the two right of way plans LMP10018 and LMP45652 indicating their location in relation to the proposed 7.7 acre subject parcel.

Area and Neighbourhood Description

The City of Burnaby is located immediately east of the City of Vancouver. Burnaby, whose boundaries are Boundary Road to the west, North Road to the east, the Fraser River to the south, and Burrard Inlet to the north has grown considerably over the past 30 years, primarily due to its favourable location close to the City of Vancouver. Much of the earlier growth in Burnaby was single-family housing to accommodate new migrants who generally worked in the City of Vancouver. Over time, however, the commercial and industrial base in Burnaby has become well developed due to population growth and the city's central location within the Metropolitan area.

There are four specifically defined focal points in the city, each oriented around major commercial facilities. The largest of these is the Metrotown area on Kingsway. This area is the central core of Burnaby, and is bounded by Royal Oak Avenue to the east, Central Park to the west, Imperial Street to the south and Grange Street to the north. Lougheed Mall is the second focal point and is located in the eastern portion of the City, north of the Lougheed Highway, adjacent to the City of Coquitlam. Other retail and office developments have developed around Lougheed Mall and along North Road, in a number of smaller centres, capitalizing on the success of the shopping centre and residential growth. The third focal point for the community is the renovated and expanded Brentwood Mall, a community shopping centre. Commercial development in this area is focused on the Lougheed Highway/Willingdon Avenue intersection in the western portion of Burnaby. The Kingsway/Edmonds commercial area, the fourth focal point, is centred upon Middlegate Mall. This area is adjacent to the City of New Westminster.

Major industrial concentrations in Burnaby include the area between Boundary Road and Sperling Avenue, north of the Trans Canada Highway (the subject area); Lake City which is a comprehensive industrial park, including warehouse facilities for major industrial companies and retailers and which has seen recent office development; and in the Big Bend area next to the Fraser River, south of Marine Drive, where a significant amount of development has occurred over the last few years.

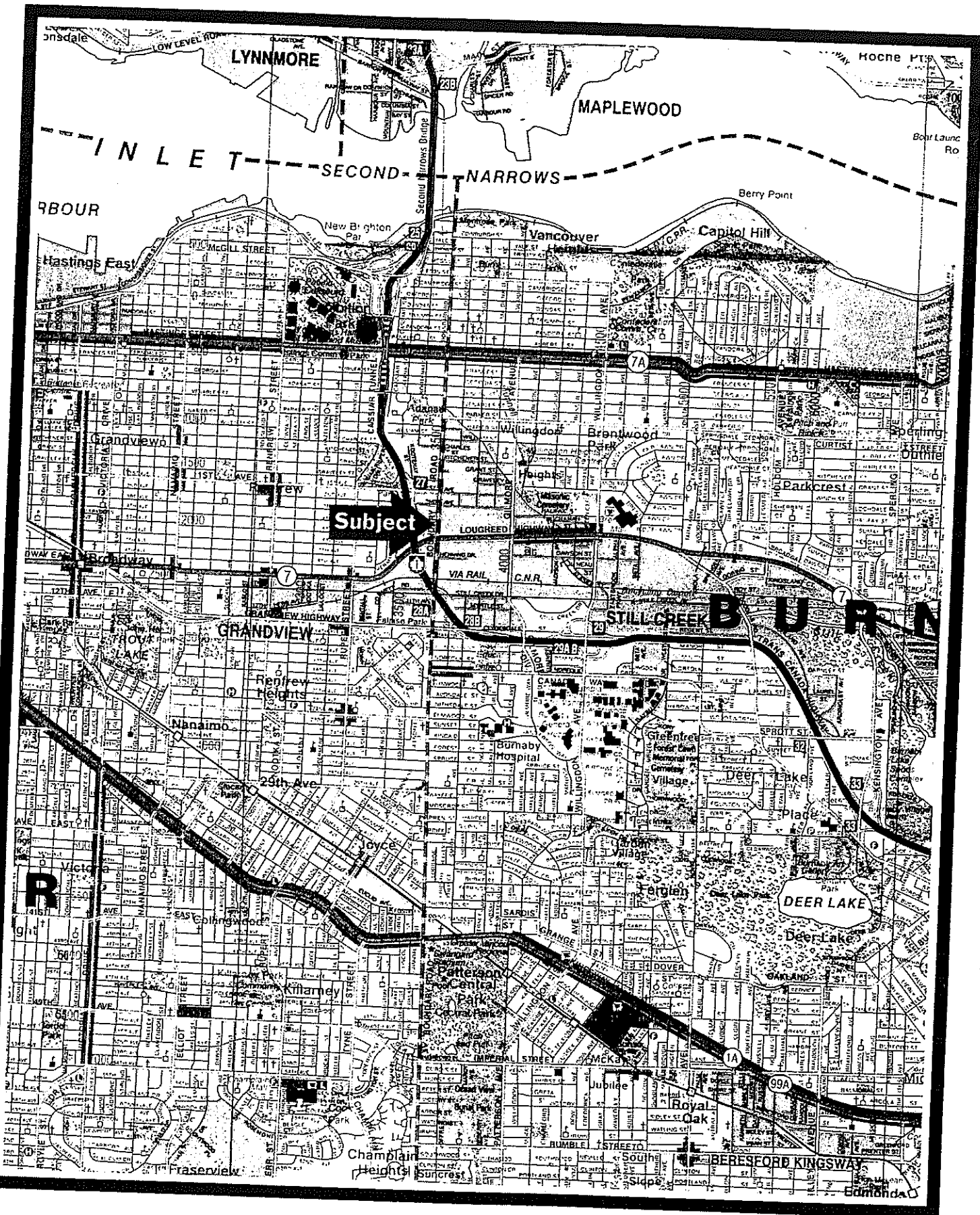
Burnaby is also the home of several major educational institutional facilities, including British Columbia's second largest university, Simon Fraser, on Burnaby Mountain, and the British Columbia Institute of Technology, located at Willingdon Avenue and Canada Way.

SkyTrain rail transit service bisects the City providing direct service to downtown Vancouver, New Westminster and Surrey. The four SkyTrain stations in Burnaby are Patterson station, Metrotown station, Royal Oak station, and Edmonds station. The new Millennium line, the SkyTrain Extension is currently under construction with a series of stations along the Lougheed Highway, and one to be located a short distance south of the subject near Boundary and east of the subject at Gilmore Avenue. The proposed extension however does not pass immediately in front of the subject.

Around the intersection of the Trans Canada Highway and Willingdon Avenue is an area which has undergone considerable re-development over the past several years. A number of build to suit office buildings have recently been constructed between Canada Way and the Trans Canada Highway, east of Willingdon Ave. These include the headquarters for B.C.A.A., United Way, and Telus. Further east is Imperial Square, a multi-tenanted mixed use office/warehouse complex and Canada Way Business Park, an office park with major tenants including IBM. South of Canada Way is Discovery Place an 80 acre park comprising several large office buildings occupied by Electronic Arts, CREO, Pacific Blue Cross, Clearnet and HSBC.

Situated to the west of Willingdon Ave. on both the north and south side of Still Creek Drive north of the Trans Canada Highway is Willingdon Park, developed by Slough Estates. Currently developed within this 23.4 acre park are five office buildings with tenants including Dominion Directories, Kodak, Reid Crowther, Attachmate and Newbridge Networks. The total developed square footage is indicated to be approximately 471,498 sq.ft. A further 220,000 sq.ft. are currently under construction. Also within Willingdon Park is the head office for McDonalds restaurants and a two storey build to suit office building now partially occupied by the Variety Club.

To the northwest of Willingdon Park at the southeast corner of Lougheed Highway and Boundary Road and immediately opposite the subject is the newly developed Bridge Business Park and Bridge Studios. Uses in Bridge Business Park include Home Depot, Earls and Swiss Chalet Restaurants, Stay-N-Save Motel and several smaller office/flex space buildings.



Location Map

Along Lougheed Highway are a number of commercial and service type uses, including Brentwood Mall, several gas stations, restaurants, retail outlets, and office buildings. Lougheed Highway is one of the main east/west connectors through Metropolitan Vancouver, connecting the municipalities of Burnaby, Coquitlam, Port Coquitlam and Pitt Meadows with the City of Vancouver to the west.

Overall, the subject property is considered to offer a good location for an office related use, with good access to downtown Vancouver and other parts of the Lower Mainland, and is within close proximity to a number of commercial and service uses in the area.

Site Description

The site is located on the northeast corner of the intersection of Boundary Road and Lougheed Highway in Burnaby, BC. This is the western extremity of Burnaby as Boundary Road forms the boundary between Burnaby and the City of Vancouver to the west.

The lands in the immediate area comprise predominantly established industrial premises. In the City of Vancouver the lands between Broadway and Grandview Highway and as far north as Charles Street are designated industrial while in Burnaby between the Trans Canada Highway and the Lougheed Highway lies the Still Creek Industrial Park. This established industrial area extends as far east as Douglas Road. The subject site abuts Boundary Road, a four lane highway divided by a central landscaped median which accommodates a BC Hydro transmission line. Crossover points are available for southbound traffic into the subject site at two locations (although both are not currently utilized) and also at 2nd Avenue. This is a two lane paved road which is a continuation of Kootenay Street to the west and joins Gilmore Avenue to the east.

The southern boundary of the subject abuts the Lougheed Highway, one of the main east/west highways through Metropolitan Vancouver, connecting the municipalities of Burnaby, Coquitlam, Port Coquitlam and Pitt Meadows with the City of Vancouver to the west. A short distance east of the subject around the intersection of the Lougheed Highway and Willingdon Avenue are more commercially-oriented uses including Brentwood Mall, service stations and secondary office buildings. As noted earlier the subject is located opposite the Bridge Business Park with mixed office, big box, motel, restaurant and flex space users. No vehicular access is presently available into the subject site from the Lougheed Highway, although there is a pull-in for parking and delivery purposes.

The plans located on the following pages indicate, firstly the boundaries of the existing 19.565 acre site (RP79213) and a plan provided to us, not to scale, indicating the boundaries of the proposed 7.7 acre parcel, the subject of this appraisal.

This proposed 7.7 acre parcel is irregularly shaped with a frontage of approximately 300 metres or 985 feet to Lougheed Highway. No dimensions are indicated on the plan provided to us and we are instructed to assume the parcel will comprise 7.7 acres. However should the area on subsequent survey prove to be materially different our estimate of value may be subject to change.

The subject proposed 7.7 acre site is predominantly level and paved or gravel surfaced. We noted earlier there are several office and manufacturing buildings on the proposed 7.7 acre subject portion however we have been specifically instructed to assume a cleared site.

In the eastern portion of the proposed 7.7 acre site there is a transmission line, extending into the subject 7.7 acre portion and then back into the adjacent remainder. The affected area, we have estimated to be approximately 0.85 acres, which comprises the area east of the G.V.S.&D.D. right of way. As we have noted running parallel to the northeast boundary of the subject 7.7 acre portion, and cutting across the eastern portion of the site is a G.V.S.&D.D. right of way 25 feet wide. On rezoning of the property to CD(M5) we are informed by Mr. Ken Ito of the City of Burnaby Planning Department that they would require this area, formerly Chubb Creek to be de-culverted. In this regard the width of the setback from the exposed creek is not known at this time.

Access into the whole 19 acre site is presently available from one point on Boundary Road, with crossover points available across the median, and one access point from 2nd Avenue. As noted earlier there is a pull-in for parking and delivery purposes off Lougheed Highway but no further access is available from the Highway. The Lougheed Highway is a controlled access highway now under the control of the City of Burnaby and it is the intention of the City to limit the number of access points onto the highway as much as possible.

With regard to services, there is a watermain in Lougheed Highway and storm sewers in both Lougheed and Boundary Road. Sanitary sewers are located in Lougheed Highway and Boundary Road.

Assessment & Taxes

The BC Assessment Authority has estimated the 2000 Actual Values for the whole 19.565 acre site as follows:

Land	\$ 9,136,000
Improvements	<u>3,276,000</u>
Total	\$12,412,000

Property Taxes for 2000 are \$524,421.92.

Zoning

Under the District of Burnaby Zoning Bylaw 4742 the subject is zoned M3 Heavy Industrial District which provides for the accommodation of "special types of industry and heavy industrial activities".

Permitted uses are very wide ranging and involve a complete range of light and heavy manufacturing uses, storage, and some limited retail uses. Offices in connection with manufacturing are also permitted. There are no floor area ratio (FAR) or lot coverage limitations as these are essentially controlled by front and side yard and off-street parking requirements, which vary according to each specific use.

We have discussed the potential future use of the subject property with Mr. Ken Ito of the planning department of the City of Burnaby. From our discussion we would note the following:

- In the City of Burnaby Official Community Plan (OCP) the subject is designated as General Industrial, which extends from Douglas Road south to Lougheed Highway and Boundary Road east to Gilmore Avenue. The industries in this

category range from light (with characteristically more indoor operations) to heavy. These areas are "not considered suitable for conversion to other uses, and can be expected to see infill, redevelopment and densification for continued industrial purposes".

- Mr. Ito notes that the Bridge Business Park, located opposite, is designated a "business centre" and several areas in the city are now designated for this use including Discovery Place, Kingsland/Lougheed, Lake City and Willingdon/Canada Way. Permitted uses in these business centres include office and research/ high tech uses. Densities in these areas will depend upon each area plan but proposals in Lake City range from 1.0 to 1.5 FAR (the new B1 and B2 zoning classifications).
- Mr. Ito acknowledges that this location at Boundary and Lougheed is a "gateway into the city" although the area is industrial in nature.
- Nonetheless he has indicated to us that a rezoning to CD(M5) would in principle be considered positively by staff. Under this classification Mr. Ito has indicated to us that a maximum density of 1.0 FAR would be permitted for office development.
- There will however be requirements and conditions on the rezoning of the property. Mr. Ito has indicated the following:
 - Located within the G.V.S.&D.D. 25 feet right of way running parallel to a large portion of the northeast boundary of the subject is the former Chubb Creek. He has indicated to us that one of the policies of the City is, where possible, on rezoning to require the applicant to de-culvert former streams. Mr. Ito has indicated to us that it would be a condition of rezoning to CD(M5) that the portion of the former Chubb Creek, now within the box culvert in the G.V.S.&D.D. right of way be de-culverted. In this regard the Environmental Review Committee (E.R.C.) would be involved in determining the width of the required setback from the creek. This can range from 15 metres up to 30 metres depending on the circumstances of each case. In light of the fact that the developer would be opening up this stream, at his own cost, Mr. Ito considers that a setback at the lower end of the range may be possible. The area within this setback however, we are informed, can still be used for FAR calculation purposes.

-
- There may be dedications for road purposes required from the Lougheed Highway frontage. Mr. Ernie Jenson of the Burnaby Engineering Department has indicated that Burnaby have long term plans for the widening of the Lougheed Highway to three westbound lanes. Furthermore if an access is considered necessary, deceleration and acceleration lanes will be needed for right-in, right-out only traffic. The extent of the dedications at this stage is not known. However whatever land is dedicated cannot be used for FAR purposes.
 - Maximum height of buildings under M5 is 39 feet or three storeys however if the property is rezoned under CD(M5) this height restriction may be relaxed.
 - It is also possible that dedications may also be required from Boundary Road to provide an access. At present there are two crossover roads, across the median in Boundary Road. It is possible, although no firm decision will be made until the extent of the proposed development is known, that these crossovers will be eliminated and a right-in, right-out only access permitted onto the proposed subject 7.7 acre parcel.
 - Upgrading of the adjacent services – water, sanitary, storm – may be required. The extent of this upgrading will not be known until the form and size of proposed development is finalized.

While a rezoning to CD(M5) would, in all likelihood, be permitted by the City and it is specific assumption of this report that a rezoning is in place, it is apparent that this will come only with certain conditions, specifically relating to the de-culverting of Chubb Creek with extended setbacks, and most probably with dedications adjacent to Lougheed Highway and possibly Boundary Road.

Highest and Best Use

The Appraisal of Real Estate (1992 Canadian Edition) sets out a number of definitions of Highest and Best Use, one of which is as follows:

"The reasonably probable and legal use of vacant land or an improved property, which is physically possible, appropriately supported, financially feasible and that results in the highest value."

The subject property comprises a 7.7 acre portion of a 19.565 acre parcel at the northeast corner of Loughheed Highway and Boundary Road. We have been instructed to assume that a rezoning to CD(M5) is in place and from our discussions with Mr. Ito at the Planning Department it would appear that the City would be supportive of this.

As we have noted however in the specific assumptions in the letter of transmittal and the purpose, intent and scope of report section of this report, it is probable that the City will seek certain conditions from the owner on rezoning. These may include road dedications from the Loughheed Highway and possibly Boundary Road frontages; upgrading of adjacent sewer and water facilities and perhaps, most important, the de-culverting of Chubb Creek and the creation of setbacks from the opened creek (these could range from 15 metres to 30 metres in width).

While Mr. Ito has indicated to us that the area within the creek setback can be included in the area used for FAR calculations the extent of the setback may have an impact on the location, design and the density of any office development on the subject site. Mr. Ito has indicated that a maximum FAR of 1.0 would, in principle be permitted, however if any limitations are placed on the height of the proposed buildings, under M5 a maximum building height of 39 is permitted although this can be relaxed under CD(M5) without more detailed design information it is not possible for us to say with any degree of certainty whether the maximum possible density can be achieved. However, we have specifically been instructed to assume that a density of 1.0 FAR is achievable and our estimate of value has been predicated on this assumption. On detailed design study, should this not prove to be achievable this will have an effect on value and our estimate will be subject to adjustment.

Taking into account the above factors we consider the highest and best use of the proposed 7.7 acre subject parcel is as a development site for office purposes to a maximum FAR of 1.0, subject to the specific assumptions contained herein.

METHODS OF VALUATION

There are three basic approaches to valuation which are accepted in the appraisal of real estate, the Direct Comparison or Market Data Approach, the Income Approach and the Cost Approach.

The Direct Comparison Approach involves comparing the subject property to the sale, listing or offered prices of properties which are judged to be comparable to the subject. Adjustments are made to the prices of the comparable properties to reflect differences in market conditions, location, physical and economic characteristics, use, conditions of sale and other relevant factors. This approach is best suited to those types of property where there is a degree of uniformity in the above factors and where there is adequate sales data concerning recently sold or currently offered properties similar to the subject.

The Income Approach is used to appraise income producing properties and involves the measurement of the present value of the future benefits of property ownership. Under this approach the property's anticipated income stream and reversion are capitalized into a present value using a capitalization rate derived from the analysis of sales of similar investment properties.

The Cost Approach is based on the premise that market participants relate value to cost. Under this approach the value of the property is derived by adding the estimated value of the land to the current replacement cost of the improvements less the amount of depreciation from all sources, i.e. physical, functional and economic. This approach is useful in valuing new or nearly new improvements and special purpose properties such as the subject that are not frequently exchanged in the market. The estimate of depreciation however will necessarily involve a subjective judgement and this element can impact on the usefulness of this method. Furthermore, because of changes in economic climate, market conditions and investor perceptions, distortions can arise between the depreciated cost of the improvements and a property's current market worth.

The subject property comprises a proposed 7.7 acre parcel of land, with older improvements which we have assumed will be cleared and a vacant site made available. Consequently the Direct Comparison Approach to value comparing the subject to other sites in the City of Burnaby has been used in this instance.

ESTIMATE OF VALUE

The value of the subject property has been estimated using the Direct Comparison Approach, comparing the subject property to other land parcels in the City of Burnaby which have similar development potential.

On the following pages we enclose a chart listing details of sales of land with potential for business park or high tech uses. The parcels have been analyzed on both a price per square foot of land area basis and a price per square foot of buildable area basis, taking into account either the size of the proposed development to be constructed on the site, or if no development permit is in place, the maximum potential density under the zoning and OCP guidelines.

The sales on the chart are separated into four areas within the City, where there has been sales activity of parcels with similar development potential to that proposed for the subject.

The first three comparables are located in Discovery Place, situated south of Canada Way and west of Willingdon Avenue and with good access to both the Trans Canada and Lougheed Highways. The first comparable was not a sale but an option to purchase which was not exercised by the adjacent owner, Pacific Blue Cross. After constructing their own building in Discovery Place they had the option to purchase the adjacent land to the south at a price equivalent to \$25.93 per sq.ft. buildable (at a density of only 0.87) or \$22.29 per sq.ft. land. At the time of the option they considered this to be above current market and therefore allowed the option to lapse.

The second comparable in Discovery Place is the purchase by CREO Industries of a site adjacent to their existing building, and located a short distance south of comparable A. The price per square foot of land was \$16.97 for a large 6.39 acre site, or \$15.81 per sq.ft. buildable. The purchase of this site was also advantageous to CREO in that they were able to expand their existing building and move the parking onto the new site.

The third comparable in Discovery Place is the purchase by Electronics Arts of a large 12.65 acre parcel at the intersection of Gilmore Way and Sanderson Way. The price was \$11.82 per sq.ft. of land or \$17.20 per sq.ft. buildable based on a development of 378,683 sq.ft. (0.69 FSR). This lower price is reflective of three main factors, the large site, the fact it was on a steep incline and required significant site preparation and the lower permitted density.

**LAND SALES IN CITY OF BURNABY
ACQUIRED FOR BUSINESS PARK/HIGH TECH USES**

FEBRUARY 2001

Location/Legal	Sale Date	Sale Price	Site Area Acre/Sq.Ft.	Price/Acre/Sq.Ft.	Price/Sq.Ft. Buildable/F.S.R.	Comments
1. Discovery Place						
a) Gilmore Way Lot B (southerly portion)	Option to purchase Negot. 1997	\$1,350,000	1.39 60,548	\$971,223 \$22.29	\$25.93 (0.87)	Pacific Blue Cross had an option to purchase this site, exercisable up to 120 days after occupancy of the office bldg. on the adjacent site (northerly portion of Lot B at southeast corner of Canada Way and Gilmore Way). The Pacific Blue Cross Building was completed in Jul/98. Only 52,060 sq.ft. permitted on this site, a density of 0.87, and equivalent to \$25.93 per sq.ft. of buildable area. Option was <u>not</u> exercised. Zoned CD (M8A). Permitted uses expanded to include general business & professional offices.
b) Gilmore Way Rem. Lot 14 Plan 59477	Jun/98	\$4,725,000	6.39 278,348	\$739,437 \$16.97	\$15.81 (1.07)	Very irregularly shaped parcel in Discovery Place purchased by Creo Industries who also own the adjacent office building and a building recently purchased from MacMillan Bloedel. Proposal to construct 298,908 sq.ft. in two phases (FSR 1.07). Purchasing the adjacent land also allows Creo to expand their existing building (91,189 sq.ft.) by 21,441 sq.ft. and move the parking onto Lot 14. Price per buildable based on 298,908 sq.ft. is \$15.81 per sq.ft. Higher density can be placed on this site due to lower density on adjacent site. CD (M8). Permitted uses scientific or research, chemical or communications, etc.

Location/Legal	Sale Date	Sale Price	Site Area Acre/Sq.Ft.	Price/Acre/Sq.Ft.	Price/Sq.Ft. Buildable/F.S.R.	Comments
c) Sanderson Way Rem. Lot 16 Plan 60616	Jul/97	\$6,515,419	12.65 551,034	\$515,053 \$11.82	\$17.20 (0.69)	Large site at south end of Discovery Place purchased by Electronic Arts. District of Burnaby bought adjacent 6.57 acres for \$11.82 per sq.ft. for parkland. Max. developable area on this site is 385,000 sq.ft. as per the O.C.P. Application for a three phase development totalling 378,683 sq.ft. reflecting an FSR of 0.69 and a price per buildable sq.ft. of <u>\$17.20 per sq.ft.</u> Zoned CD(M8).
2. <u>4049, 4127, 4175 4195 and 4241 Ledger Ave.</u> Lots 4, 5, 6 and 7 Bk. 13, Plan 8632	May/Jun/00	\$2,957,000	3.50 152,407	\$844,857 \$19.40	\$19.40 (Assumed 1.0)	Five parcels of land purchased by the City of Burnaby from separate owners. Located north of Deer Lake I & II and overlooking the Trans Canada Highway. Zoned R4 and CD(C1) but the City is rezoning to a high tech office park with a maximum F.S.R. of 1.0. Older houses of nominal value on site. Sloping sites with views of highway.
3. <u>Lake City Business Park</u> a) 8081 Lougheed Hwy at Underhill Ave. (NW) Lot 3, DL 58, Plan 23988	Oct/97	\$4,200,000	6.16 268,330	\$681,818 \$15.65	\$17.21 (0.91)	Former Volkswagen Canada property purchased by Lougheed Equities; improved with older 41,000 s.f. industrial bldg. Purchaser sought rezoning in Feb. 24/98 from M3 and R1 (60 ft. residential buffer) to CD (based on M5). 2 nd reading given on May 3/99.

a) Continued

At the time of sale the purchaser proposed to demolish the existing bldg. and construct approx. 240,000 s.f. of flex-office space. However, subsequently a proposed tenant (Chromos) indicated an interest in the bldg. and this was subsequently gutted and renovated. At the end of the lease (approx. 7 yrs.) it is intended that the bldg. be demolished. Development proposed as per Rezoning #98-7.

Existing bldg.	41,000 sq.ft.
Proposed	
Office bldg.	203,000 s.f.
Total	244,000 s.f.

Proposed "Suburban Business Centre Lands" (1.0 FAR) in Draft Lake City Business Centre Guide Plan.

b) 3195 Production Way	Oct/99	\$2,290,000	2.37	\$966,245	\$16.90
Lot 75, DL 10 and 58			103,237	\$22.18	(1.36)
DL 37, Plan 31994			2.28	\$1,004,383	
			99,317	\$23.06	
			as stated		
			in Rez. #00-04		

Convoy Construction Materials to B.C. Turf Ltd. Improved with older 21,090 s.f. warehouse bldg. July 18/00 report from Planning Dept. to City Manager for rezoning (#00-04) to seek Council authorization to forward the application to a Public Hearing on Aug. 29/00. 5 storey office use proposed. Proposed "Urban Business Centre Lands" (1.5 FAR) in Draft Lake City Business Centre Guide Plan.

Location/Legal	Sale Date	Sale Price	Site Area Acre/Sq.Ft.	Price/Acre/Sq.Ft.	Price/Sq.Ft. Buildable/F.S.R.	Comments
c) 2951 Underhill Lot 52, DL 57 Plan 31050	Mar/00	\$6,330,000	9.18 gross 399,881 7.97 net 347,173	\$689,542 \$15.83 \$794,228 \$18.23	\$25.32 (0.62)	Chevron Canada Limited to 600907 BC Ltd. Improved with older 40,000 s.f. industrial bldg. Rezoning application made on July 31/00 from M3 to CD (based on M5); purchaser is proposing +250,000 s.f. of film studio production facilities, related offices, and support functions. Area planner reports dedication for Eastlake Drive extension, Underhill Ave. allowance and corner truncation required. Net area shown excludes these and is only an approximation only. Proposed "Suburban Business Centre Lands" (1.0 FAR) in Draft Lake City Business Centre Guide Plan. Acquired by Chevron in May/97 at \$5,300,000 (\$5,000,000 plus \$300,000 option). Equivalent to \$13.25 per sq.ft. of site area (9.18 ac).
d) 7990 Enterprise St. Lot 4 except Plan 28513 DL 57 and 58 Plan 23988	Nov/00	\$2,815,000	4.15 180,774	\$678,313 \$15.57	\$15.57 (Assumed 1.0)	Located adjacent to Lake City Court (8081 Lougheed Hwy.) Older 50,000 s.f. bldg. Proposed "Suburban Business Centre Lands" (1.0 FSR) in Draft Lake City Business Centre Guide Plan.
e) 3100 Production Way Lot 81 except part subdivided by Plan 72477 DL 10 & 56, Plan 34201	July/00	\$22,900,000 Residual land value of approx. \$14.4m – see Comments	18.71 815,007	\$769,642 \$17.66 Residual Land Value	\$11.78 (Assumed 1.5)	Improved with older 462,868 s.f. warehouse complex occupied by the Bay (lease expiry 12/02), Brick (lease expiry 7/03) and Jan Eden (lease expiry 7/04). Reportedly purchased by PMC Sierra Inc. who is proposing approx. 300,000 s.f. on the surplus land. Existing bldg. to be held for approx. 5 yrs. and then be redeveloped. Holding income over the next 5 years. estimated to have a value of \$8-\$9 m; deducting say \$8.5m, a residual land value of approx. \$14,400,000 is indicated. Rezoning application made on Mar 27/00 from M3

Location/Legal	Sale Date	Sale Price	Site Area Acre/Sq.Ft.	Price/Acre/Sq.Ft.	Price/Sq.Ft. Buildable/F.S.R.	Comments
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e) Continued

to CD (M5) for a proposed phased office/high tech complex in the range of over 1 million gross sq.ft. Proposed "Urban Business Centre Lands" (1.5 FAR) Draft Lake City Business Centre Guide Plan. Previous sale Aug/99 - \$18,450,000; CREIT to BCR Properties Ltd.

f)	8363 Lougheed Hwy Lot 20, DL 57 & 58 Plan 25349	Jan/01	\$5,410,000	7.486 326,090	\$722,682 \$16.59	\$11.06 (Assumed 1.5)	Ford Motor Company Parts Distribution Centre. Improved with older 97,870 s.f. warehouse bldg.
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2001 Actual Value Assessments.
Land \$5,331,000
Improv. 178,000
Total \$5,509,000

Proposed "Urban Business Centre Lands" (1.5 FAR) in Draft Lake City Business Centre Guide Plan.

4.	Bridge Business Park						
a)	4080 Lougheed Highway Lots 1-4 Plan LMP39484	Jun/98	\$3,800,000	7.39 321,953 gross 6.13 266,877 net	\$514,208 \$11.80 \$619,902 \$14.23	\$20.77 (0.69)	Last vacant land parcel sold in Bridge Business Park. Site requires piling and is encumbered with BC Hydro right of way. Property is filled but also requires preloading. Permitted development under CD (M5 guidelines) allows 168,237 sq.ft. office and 14,662 sq.ft. manufacturing.

Location/Legal	Sale Date	Sale Price	Site Area Acre/Sq.Ft.	Price/Acre/Sq.Ft.	Price/Sq.Ft. Buildable/F.S.R.	Comments
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b) 3823 Lougheed Hwy Former Lots A & B Plan LMP17879 (now Lot 1, Plan 33487)	Jun/97	\$1,218,899	1.66	\$734,276	\$26.98	Both parcels front Lougheed Highway in the Bridge Business Park and purchased by same developer, who developed strata office/warehouse units. Zone CD-M5. No access from highway but good exposure. Overall price of \$17 per sq. ft. Poor soils, buildings required piling. Original zoning (1996) permitted two buildings of 30,000 sq. ft. and 34,950 sq. ft. Rezoned to permit 20,405 whse., 74,168 office/service. (total 94,573 s.f.)
	Jun/97		72,310	\$16.86	(0.63)	
		1,320,478	1.77	\$746,033		
		<u> </u>	<u>77,101</u>	<u>\$17.12</u>		
		\$2,539,377	3.43	\$740,343		
			149,411	\$17.00		

In comparing these properties in Discovery Place to the subject property we would further note the following:

- They are older sales and the market is considered to have improved noticeably since then.
- With the exception of the two parcels in the park located at the corner of Canada Way, the zoning in Discovery Place is intended to promote computer, electronic and high tech uses.
- While Discovery Place is an attractive park-like setting, the subject location has high visibility at a major intersection.

Comparable no. 2 comprises the assembly by the City of Burnaby of five parcels of land on Ledger Avenue north of Deer Lake I and II and close to City Hall with some exposure to the Trans Canada Highway. The five separate parcels totalled 3.50 acres, with an aggregate purchase price of \$2,957,000 or \$19.40 per sq.ft. of land. The parcels are currently zoned R4 and CD(C1) but the City is considering rezoning to a high tech office park designation with a maximum FAR of 1.0, indicating a price per buildable square foot of nearly \$20 per sq.ft. The developer of this parcel will also be required to dedicate some of the frontage of these parcels for road purposes. In terms of location the subject is considered superior to this comparable.

Comparable no. 3 represents the recent flurry of activity in the Lake City Industrial Park, north of the Lougheed Highway and west of Gagliardi Way. With the Lake City Business Centre Guide Plan being promoted by the City and with densities on sites in the park being approved between 1.0 and 1.5 there has been considerable sales activity in the area over the last year.

Comparable A represents a 6.16 acre site at the corner of Lougheed Highway and Underhill Avenue. This site was purchased in October 1997 at \$15.65 per sq.ft. The purchaser originally contemplated demolishing the existing building of 41,000 sq.ft. and redeveloping the entire site for "flex" space use. However, a tenant (Chromos) indicated an interest in the existing building and as a consequence, the developer upgraded the building and entered into a seven year lease agreement with the tenant. At the end of the lease, the existing building is proposed to be demolished. While this site is considered similar to the subject by virtue of the corner location/exposure, we note that this is an older sale and prices have increased, as indicated by other sales in the area. Thus, on balance, we consider that a price in excess of \$15.65 per sq.ft. of land would be indicated for the subject.

Comparable B represents a site of approximately 2.3 acres at the corner of Production Way and Thunderbird Crescent, one parcel north of Lougheed Highway. It was acquired in October 1999 at approximately \$23 per sq.ft. (based on the site area stated in the rezoning proposal). The purchaser is proposing a 5 storey building containing ground floor retail/commercial space and upper floor office and high tech uses. These uses are consistent with the Urban Business Centre use and the new B2 Business Centre Zoning District as outlined in the Lake City Business Centre Guide Plan. This site is located adjacent to the new SkyTrain Station that is currently under construction on the northeast corner of Lougheed Highway and Production Way. Because of this factor, and the small size of this comparable we consider the unit rate indicated by this sale to set the upper limit of value for the subject.

Comparable C represents the former Chevron property at the northwest corner of Underhill Avenue and Eastlake Drive. Chevron originally purchased this 9.18 acre site in May 1997 at a reported price of \$5.3 million (\$13.25 per sq.ft.). Chevron re-sold this site in March 2000 at \$6,330,000 (\$15.83 per sq.ft.). The purchaser is proposing a 250,000 sq.ft. film studio. Some road dedications are required, thus reducing the developable site area to approximately 7.97 acres (preliminary estimate). Based on the estimated developable area, the most recent sale price indicates \$18.23 per sq.ft. of land. The Lake City Business Centre Guide Plan designates a B1, Suburban Office category which allows a maximum FAR of 1.0. The subject is considered superior in terms of location and exposure and we consider that the subject site would command a unit value in excess of \$18.23 per sq.ft.

Comparable D represents the former "Foremost" property on 7990 Enterprise St. This 4.15 acre site is improved with an older food processing plant. We have been informed that the property was under contract in 1999 at \$4,100,000 (\$22.68 per sq.ft.), however, the transaction collapsed as the prospective purchaser was unable to secure a tenant upon redevelopment. The site was subsequently listed at \$4,500,000 (\$24.89 per sq.ft.) and has now sold at \$2,815,000 (\$15.57 per sq.ft.). This transaction was negotiated in June 2000 and closed in November 2000. The purchaser is proposing a retrofit of the building and to secure a short term lease (5 to 10 years). A higher per sq.ft. value is deemed appropriate for the subject due to the superior location and exposure on the Lougheed Highway however a downward adjustment is required for the larger size of the subject.

Comparable E represents a 18.71 acre property purchased by PMC Sierra Inc. in July 2000 for redevelopment. The site is improved with a large warehouse complex that is currently occupied by the Bay, Brick and Jan Eden. The purchaser is planning a phased redevelopment over the next five years. The purchase price is \$22,900,000, however, approximately \$8.5 million is attributable to the existing improvements, leaving a residual land value of approximately \$14.4 million (which equates to \$17.66 per sq.ft.). A land value in excess of \$17.66 per sq.ft. would be anticipated for the subject due to its smaller size and superior location and exposure to Lougheed Highway.

Comparable F represents the Ford Motor property on 8363 Lougheed Highway. This is a 7.48 acre site improved with an older industrial building of 97,870 sq.ft. The property recently closed at \$16.59 per sq.ft. although the property has some exposure to Lougheed Highway, on balance the subject has superior visibility and location, and a price in excess of \$16.59 per sq.ft. of land can be anticipated.

Comparable no. 4 comprises the last sales in Bridge Business Park located opposite the subject. This is a park with a wide variety of uses including film studios, restaurants, motel, flex space and office uses. The park is low-lying and developments required preloading and piling; in addition several parcels were impacted by a BC Hydro right of way (which crosses the Lougheed Highway and also a portion of the subject property).

The lower price of \$14.23 per sq.ft. of land on comparable A reflects the lower permitted density (0.69 FAR) however on a buildable square foot basis a price of nearly \$21 per sq.ft. was achieved. Again, a lower density was permitted on comparable B (0.63 FAR) and although a price of \$17 per sq.ft. of land was paid, this was equivalent to nearly \$27 per sq.ft. buildable. These are also older sales and as noted earlier the market is considered to have increased in the intervening period. Furthermore the type of development on these parcels included warehouse uses.

While the subject property is presently zoned M3 Heavy Industrial we are informed that the City would encourage a rezoning to CD with M5 guidelines, which would permit a development of office uses up to a maximum FAR of 1.0. This is a similar density to that being achieved in Discovery Place, around Ledger Avenue and in Lake City (although we have noted there are parcels in Lake City designated "urban business centre" which have the potential to be developed to an FAR of 1.5).

As we have noted earlier without a detailed design study it is not possible to say that the maximum density could be achieved on the subject, bearing in mind the areas which are subject to the BC Hydro right of way located in the eastern portion of the subject site. In addition there is the G.V.S. & D.D. right of way which also traverses the eastern portion of the site such that an area of approximately 0.85 acres or 37,000 sq.ft. will not be possible to develop. This represents about 11% of the assumed 7.7 acre total site. Further factors to consider are the setbacks from the opened creek and any dedications required from the Lougheed Highway and, possibly, Boundary Road.

In estimating the value of the subject site we have also given consideration to the supply of office and high tech space scheduled to come onto the market. At Willingdon Park, Slough Estates are in the process of constructing 220,000 sq.ft. of space; Tonko may proceed with Lake City Court II comprising 216,000 sq.ft. fronting Lougheed Highway; and Dominion Construction will complete Canada Way Business Park (74,000 sq.ft.) on Canada Way east of Willingdon Avenue.

Canada Lands also have sites on North Fraser Way in the Big Bend area, ready to develop over 80,000 sq.ft. In addition Discovery Parks have Building 10 nearing completion (52,000 sq.ft.) in Discovery Place. We note that PMC-Sierra have purchased the Bay Distribution Centre in Lake City and propose to initially construct 300,000 sq.ft. of office/high tech space for their own use, with further potential following the demolition of the existing improvements. This may free up some space that they already occupy in Production Court, although they may use all the space themselves depending upon their expansion plans.

The supply of office/high tech space is anticipated to increase also in the City of Vancouver, on the east side. Projects include Schroeder's Tech Park project (maximum 2.5 million square feet) and Bentall's Broadway Tech Centre (750,000 sq.ft.) a short distance west of the subject. These will be developed in phases depending upon the leasing programmes. In addition the supply of space will be augmented by Finning's site (26.5 acres) and the Vancouver Tech Park site (6.23 acres) at Station Street and Industrial Avenue and Pilot Pacific's ecourt Tower I (155,000 sq.ft. to be Glenayre Technologies and Tower 2, to be 163,000 sq.ft. This is located at Boundary Road and 1st Avenue west of the subject. It is apparent therefore that the significant potential future supply of office/tech space in Vancouver may affect the suburban office market in the future.

The comparable sites indicate a range in value as follows:

Comp.	Sale Date	Size	Price/Sq.Ft. Land	FSR	Price/Sq.Ft. Buildable
1 A	1997 Option	1.39	\$22.29	0.87	\$25.93
B	June/98	6.39	\$16.97	1.07	\$15.81
C	July/97	12.65	\$11.82	0.69	\$17.20
2	May/June 2000	3.50	\$19.40	1.0	\$19.40
3 A	Oct/97	6.16	\$15.65	0.91	\$17.21
B	Oct/99	2.28	\$23.06	1.36	\$16.90
C	Mar/00	7.97	\$18.23	0.62	\$25.32
D	Nov/00	4.15	\$15.57	1.0	\$15.57
3 E	Jul/00	18.71	\$17.66	1.5	\$11.78
F	Jan/01	7.486	\$16.59	1.5	\$11.06
4 A	Jun/98	6.13	\$14.23	0.69	\$20.77
B	Jun/97	3.43	\$17.00	0.63	\$26.98

Our comments on the above schedule are as follows:

- The older sales require an upward adjustment for time.
- In terms of price per square foot of land, a range of \$11.82 to \$23.06 per sq.ft. is indicated. The lower end of the range is for a large parcel to be developed to a lower density and with significant site preparation costs (1C). Upward adjustments are required for all these factors.
- The upper end of the range of \$22.29 to \$24.06 per sq.ft. is for an option which was allowed to lapse and a small parcel to be developed to a higher density. The subject is considered to be below this value range.

-
- The remainder indicate a range in price per sq.ft. of land of \$14.23 (a parcel to be developed to a lower density) up to \$19.40 (a recent assembly by the City of Burnaby).
 - On a price per buildable square foot basis, as one would expect, the higher range of \$20.77 to \$26.98 per sq.ft. are for parcels with lower density potential, while the high density developments indicate the lower end of the price per sq.ft. buildable range.
 - Those parcels with proposed density in the area of 1.0 (similar to that assumed for the subject) indicate a value range of \$16.00 - \$19.00 per sq.ft. buildable and a similar range on the a price per sq.ft. of land basis.

In arriving at an appropriate value for the subject property we would note the following:

- The subject is very well located with exposure and good access to Boundary Road and Lougheed Highway, and with the Trans Canada Highway located close by.
- It is a large site and unless a large portion of a proposed development can be pre-leased, it would most probably be required to be developed in phases.
- The parcel does back onto BC Gas and BC Hydro facilities and it is possible some tenants of the project may view this as a disadvantage.
- We have specifically assumed that the subject site will be cleared of existing improvements and the subject soils are clean and do not contain toxic or noxious substances. Furthermore any extraordinary costs associated with the removal of any existing piles have not been taken into account.
- The site will be located close to the proposed SkyTrain Extension, there is a proposed station at Gilmore, east of the subject.
- Although the extent of any road dedications is not known at this time we consider a prospective purchaser would acknowledge that some land will be required from the Lougheed Highway frontage. This will have a downward affect on the overall value of the parcel.

On balance and taking all the above factors into account we have estimated the market value of the subject site to be in the range of \$18.00 to \$20.00 per sq.ft. of land. Based upon an assumed area of 7.7 acres to be subdivided from the existing 19 acre parcel, and as shown on the plans provided to us, we therefore estimate the market value of the 7.7 acre portion, as at February 19, 2001, and subject to the limiting conditions and specific assumptions contained herein to be in the middle of the range, say \$19.00 per sq.ft. times 335,412 sq.ft. for \$6,372,828, say

SIX MILLION THREE HUNDRED SEVENTY THOUSAND DOLLARS (\$6,370,000)

Reasonable Exposure Time

Reasonable Exposure Time is an estimate of the length of time that the property would have been offered on the market prior to the hypothetical consummation of a sale at our estimate of market value as of the effective date of the appraisal. It is retrospective estimate based upon our experience and the opinions of real estate brokers and investors active in the field. The estimate of reasonable exposure is not intended to be a prediction, but is an estimate of the amount of time that the property would have required to be exposed for sale on the open market in an appropriate manner, and using an experienced broker. In our opinion, a reasonable exposure time for the subject property is approximately six months.

LIMITING CONDITIONS

1. That the title to the property is good and merchantable.
2. That the information contained in this report as furnished by others, is believed to be correct, but the appraiser assumes no responsibility for its accuracy.
3. We have made no survey of the property and assume no responsibility as to the accuracy of the areas described, these being based upon information provided and being assumed to be correct.
4. We have made no investigation of and assume no responsibility for title to, nor any liabilities against the property appraised.
5. That no responsibility is assumed for any matters which are political in nature or changed conditions brought about by the political action of any government board or government representative which could have an effect on real estate values.
6. That the report if used for any purposes, should be used in its entirety.
7. That the valuation arrived at, must of necessity be based on assumptions introduced earlier in the report.
8. In view of the concern regarding soil contaminants and their potentially deleterious effects on values, it should also be noted that we have undertaken no study of the soils and are not aware of the presence of any soil contaminants or toxic materials on the property. Any estimates of value contained in this report are therefore based on the assumption that there are no such contaminants. Should verification of this assumption or an estimate of the costs of effecting remedial works be required, it will be necessary to retain the services of a qualified engineer.
9. The estimate of value is subject to several critical assumptions outlined in the "letter of transmittal" and "purpose, intent and scope of report" section and we would refer the reader to them.

CERTIFICATION

Date: February 23, 2001

Property Appraised: A Proposed 7.7 Acre Portion of 3777 Lougheed Highway, Burnaby, BC

I certify to the best of my knowledge and belief that:

- the statements of fact contained in this report are true and correct;
- the reported analyses, opinions, and conclusions are limited only by the reported assumptions and limiting conditions, and are my personal impartial, and unbiased professional analyses, opinions, and conclusions;
- I have no present or prospective interest in the property that is the subject of this report, and no personal interest with respect to the parties involved;
- I have no bias with respect to the property that is the subject of this report or to the parties involved with this assignment;
- my engagement in an compensation for this assignment were not contingent upon developing or reporting predetermined results, the amount of the value estimate, or a conclusion favouring the client;
- my analyses, opinions, and conclusions were developed and this report has been prepared, in conformity with the Canadian Uniform Standards;
- I have the knowledge and experience to complete the assignment competently;
- no one provided significant professional assistance to the person signing this report;
- as of the date of this report the undersigned has fulfilled the requirements of The Appraisal Institute of Canada Mandatory Recertification Programme for designated members;
- the undersigned personally inspected the subject property on February 19th, 2001;
- based upon the data, analyses and conclusions contained herein and the specific assumptions contained in the body of the report, the market value of the interest in the property described, as at February 19th, 2001, is estimated at \$6,370,000.



Alasdair K. Gordon
Dip.Surv., FRICS, AACI

Attachment 3.11

AMEC Earth & Environmental Limited
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Fax +1 (604) 294-4664
www.amec.com



**SUMMARY OF SITE INVESTIGATION
AND REMEDIATION CONFIRMATION**

PORTION OF TERASEN GAS LOCHBURN FACILITY

**BOUNDARY ROAD & LOUGHEED HIGHWAY
BURNABY, BC**

Prepared for:

Terasen Gas Inc.
16705 Fraser Highway
Surrey, British Columbia
V3S 2X7

Prepared by:

AMEC Earth & Environmental Limited
2227 Douglas Road
Burnaby, British Columbia
V5C 5A9

6 November 2003

VE51267

EXECUTIVE SUMMARY

Terasen Gas Inc. (Terasen) retained AMEC Earth & Environmental Limited (AMEC) to conduct a Stage 2 Preliminary Site Investigation (PSI) of the southwest portion of its Lochburn facility (Site). Terasen's Lochburn facility is located at the corner of Boundary Road & Lougheed Highway in Burnaby, British Columbia.

The Stage 2 PSI was commissioned by Terasen as a part of its due diligence efforts prior to the proposed subdivision, sale and redevelopment of the Site.

The objective of the investigation was to confirm the presence, or absence, of potential contaminants of concern (PCOCs) at 10 of 27 on-site and off-site areas of potential environmental concern (APECs) identified in the Stage 1 PSI completed for the Lochburn facility by Morrow Environmental Consultants Inc. (MECI) in 1998. The Stage 2 PSI focused on these 10 on-site and off-site APECs as they were deemed by AMEC to be associated with the Site or were considered by AMEC to pose a potential impact to the Site. AMEC followed the original MECI referencing system for the on-site and off-site APECs associated with the Site.

The Stage 2 PSI consisted of drilling 18 boreholes and advancing 37 test pits at various locations across the Site. Seventeen (17) boreholes were completed as groundwater monitoring wells. Soil and groundwater samples were collected in the field during the investigation and submitted for laboratory analysis of the applicable PCOC.

In summary, the soil profile at the Site consisted of sand and gravel fill and a sequence of peat and silty clay, overlying clay till. Groundwater was encountered at a depth of approximately 1.6 m below ground surface (bgs).

Some visual and olfactory evidence of potential soil contamination (e.g., staining and/or odour) was observed in soil samples collected from boreholes and test pits advanced in APEC #7, #10, and #12. The total organic vapour concentrations of soil samples measured in the field were considered generally representative of background levels and ranged from less than the detection limit of the instrument to approximately 1 000 parts per million by volume (ppm_v).

The analytical results of the selected soil samples submitted for laboratory analyses indicated that the concentrations of the PCOC and contaminants of concern (COC) were below the provincial *Contaminated Sites Regulation (CSR)* Commercial/Industrial Land Use (CL/IL) soil standards and comply with the CSR CL/IL soil standards for development of the Site as commercial land use.

Of 10 on-site and off-site APECs investigated, two (2) areas of environmental concern (AECs) were identified where various COCs exceeded the CSR Aquatic Life (AW) water standards (APECs #7 and #12). No evidence of widespread groundwater contamination was identified. Remediation of contaminated groundwater at these AECs was conducted via removal of the suspected source of contamination (e.g., contaminated soil, creosote treated timber pile, etc.). The analytical results of the confirmatory groundwater samples submitted for analysis indicated that the concentrations of the COCs were below the CSR AW water standards and that the Site complies with the CSR AW water standards.

SUMMARY OF REPORT PARTICIPANTS



BCE SITE ID#: 102

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name:	Allan Morrison, P.Eng.

4. Ministry policy considers that a regional pollution prevention manager has no duty to consider an application for an Approval in Principle, a Certificate of Compliance, a Conditional Certificate of Compliance or an approval of a preliminary or detailed site investigation until an applicant or the applicant's agent provides a written signed statement that the document prepared in support of any application has been carried out in accordance with all requirements in the Waste Management Act and the regulations thereto, and certifies that the person signing the statement has demonstrated experience in remediation of the type of contamination at the site for which the statement applies and is familiar with the remediation carried out on the site.

In consideration of the above policy, please detail below the relevant qualifications and experience of the main author(s) of the subject report.

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Ms. Faubert has the equivalent of three (3) years experience in the environmental consulting industry and has conducted and managed numerous Stage 1 and 2 Preliminary Site Investigations (PSIs), Detailed Site Investigations (DSIs) and site remediation projects. She has been responsible for project management, coordination and supervision of field staff and contractors, liaison with environmental analytical laboratories and provincial environmental regulatory agencies, and report preparation.

Chad M. Taylor, M.A.Sc., P.Eng., Project Manager

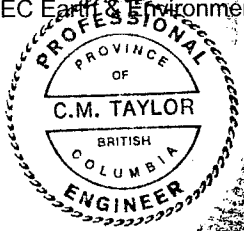
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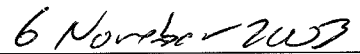
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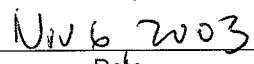
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Signed


Signed




Date


Date

Affix stamp or seal above
(where applicable)

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LIST OF ACRONYMS

AL	– Agricultural Land Use
AW	– Aquatic Life Water Use
AEC	– area of environmental concern
AMEC	– AMEC Earth & Environmental Limited
APEC	– area of potential environmental concern
bgs	– below ground surface
BTEX	– benzene, toluene, ethylbenzene, and xylenes
CL	– Commercial Land Use
COC	– contaminants of concern
CSR	– Contaminated Sites Regulation
CL/IL	– Commercial/Industrial Land Use
CAEAL/SCC	– Canadian Association for Environmental Analytical Laboratories/Standards Council of Canada
DW	– Drinking Water Use
DSI	– Detailed Site Investigation
EPH	– extractable petroleum hydrocarbons
HEPH	– heavy extractable petroleum hydrocarbons
IL	– Industrial Land Use
IW	– Irrigation Water Use
LW	– Livestock Water Use
LEPH	– light extractable petroleum hydrocarbons
MECI	– Morrow Environmental Consultants Inc.
Ministry	– Ministry of Water, Land and Air Protection
PAH	– polycyclic aromatic hydrocarbons
PCB	– polychlorinated biphenyls
ppb	– parts per billion
ppm _v	– parts per million by volume
PL	– Urban Park Land Use
PSC	– Philip Analytical Services
PSI	– preliminary site investigation
PCOC	– potential contaminant of concern
QA/QC	– Quality Assurance/Quality Control
Quantum	– Quantum Remediation Inc.
RL	– Residential Land Use
Site	– the southwest portion of the Lochburn facility located at the corner of Boundary Road & Lougheed Highway in Burnaby, British Columbia
SWR	– Special Waste Regulation
SSIR	– Site Specific Information Request
Terasen	– Terasen Gas
UST	– underground storage tank
VOC	– volatile organic compounds
VPH	– volatile petroleum hydrocarbons

1.0 INTRODUCTION

Terasen Gas Inc. (Terasen) retained AMEC Earth & Environmental Limited (AMEC) to conduct a Stage 2 Preliminary Site Investigation (PSI) of the southwest portion of its Lochburn facility (Site). Terasen's Lochburn facility is located at the corner of Boundary Road & Lougheed Highway in Burnaby, British Columbia. The location of the Site is shown on Figure 1.

The Stage 2 PSI was commissioned by Terasen as a part of its due diligence efforts prior to the proposed subdivision, sale and redevelopment of the Site.

1.1 PROJECT BACKGROUND

1.1.1 Stage 1 Preliminary Site Investigation

Historical land use at the Site consisted of railway maintenance activities and a transformer station and natural gas utility support services, including fabrication, installation, repair, and administrative functions.

A Stage 1 PSI was completed for the Lochburn facility by Morrow Environmental Consultants Inc. (MECI) in 1998 (MECI, 1998). The Stage 1 PSI report was reviewed by AMEC prior to commencement of the Stage 2 PSI. AMEC acknowledges that the Stage 1 PSI conducted by MECI meets the current industry standard for this kind of investigation. The relevant issues and components of a Stage 1 PSI were addressed. A review of specific regulatory agency records was also conducted as part of this Stage 2 PSI at the request of Terasen.

A search of the Site and surrounding area was conducted via B.C Online of the Site Registry maintained by the Ministry of Water, Land and Air Protection (the Ministry). The Site Registry documents milestones in the provincial contaminated sites remediation process, and provides public access to this information. It contains information on sites that have been investigated and remediated since the Ministry began recording this activity. The search indicated that eight (8) properties located within a radius of 500 meters of the Site were listed in the Site Registry. The Site was also registered in the Site Registry (Appendix A).

A Site Specific Information Request (SSIR) was made to the Ministry for the Site (Appendix B). A response was received from the Ministry in June 2002 and noted that authorization was granted to construct and operate a special waste pile for a period of 15 months and generator registration information with respect to the generation of special waste.

Several areas of potential environmental concern (APEC) were identified in the Stage 1 PSI completed by MECI. The on-site APEC and potential contaminants of concern (PCOC) associated with the Site are summarized in Table 1 (MECI, 1998). The off-site APEC and PCOC are summarized in Table 2 (MECI, 1998). The referencing of the APECs in Tables 1 and 2 follows the referencing in the Stage 1 PSI completed by MECI.

1.2 SITE LOCATION AND DESCRIPTION

The Site is located at the corner of Boundary Road & Lougheed Highway in Burnaby, British Columbia (Figure 1). The legal description of the Lochburn facility property is *Parcel "One", except part in Plan LMP 10017, District Lots 117 and 118, Group 1, NWD, Reference Plan LMP 79213; and PID 012-035-173*. The latitude and longitude of the Site, taken from a 1:50,000 topographical map, were 49° 16' 4" North and 123° 1' 11" West, respectively. The Site consists of the southwestern portion of the facility property and is proposed to be subdivided from the facility property and redeveloped.

The Site comprises 3.106 ha (7.67 acres) of land situated within the southwestern portion of the Terasen Gas Lochburn facility. A sketch plan of the Site is provided in the first attached drawing. Buildings and structures previously situated at the Site have been demolished with the exception of the former transformer (electrical) compound, and the Site is currently vacant and undeveloped. A Greater Vancouver Sewer & Drainage statutory right-of-way for drainage works (i.e., box culvert) traverses the Site.

The topography at the Site was flat and the ground surface was comprised of asphalt, sand and gravel fill, and crushed rock.

2.0 METHODS

2.1 OBJECTIVES

The objective of this site investigation was to confirm the presence, or absence, of PCOCs at 10 of 27 on-site and off-site APECs identified in the Stage 1 PSI completed for the Lochburn facility by MECI in 1998. The Stage 2 PSI focused on these 10 on-site and off-site APECs as they were deemed by AMEC to be associated with the Site or were considered by AMEC to pose a potential impact to the Site. AMEC followed the original MECI referencing system for the on-site and off-site APECs associated with the Site.

The provincial Ministry of Water, Land and Air Protection (the Ministry) goals and objectives of zero pollution, preventing, minimizing, and controlling the release of substances, and remediation of existing soil and groundwater contamination, if any, are acknowledged.

2.2 SCOPE

The scope of work for this project was developed in consultation with Mr. Art Swenson of Terasen and entailed conducting a Stage 2 PSI as presented in AMEC's proposal VE2002P.121 dated 26 February 2002.

2.3 BOREHOLE DRILLING

On 6 and 7 May 2002, thirteen (13) boreholes were drilled at the Site using a truck mounted solid-stem auger rig owned and operated by Uniwide Drilling Company Ltd. of Burnaby, British Columbia. The locations of the boreholes are shown on the second attached drawing. Under the supervision of an AMEC representative, the boreholes were drilled to a maximum depth of approximately 10.7 m below ground surface (bgs).

2.4 TEST PITTING

On 9, 10 and 13 May 2002, thirty-seven (37) test pits were advanced at the locations shown on the second attached drawing. The test pits were excavated using a mini-excavator provided by Quantum Remediation Inc. (Quantum) of Langley, British Columbia. Under the supervision of an AMEC representative, the test pits were advanced to a maximum depth of approximately 2.4 m bgs.

2.5 SOIL MONITORING AND SAMPLING

The soil samples were generally collected in accordance with the Ministry Guidance Document 1, Site Characterization and Confirmation Testing. Disturbed soil samples from the boreholes were collected directly from the solid-stem auger flights and soil samples from the test pits were collected from the bucket of the mini-excavator. The use of disturbed soil sampling techniques was deemed suitable to meet the objectives of the Stage 2 PSI. The soil sampling sequences are as indicated on the individual borehole and test pit logs (Appendices C and D). The field sampling procedure was as follows:

- the outer 10 mm to 15 mm of soil was discarded and a sample of the inner portion of the sample was collected;
- the sampler replaced latex gloves at each sampling interval within a borehole or test pit; and
- two (2) samples were collected from each sampling interval. One sample for laboratory analysis was placed in a laboratory grade 125 mL glass jar with minimal headspace and sealed. A second field sample (for headspace vapour screening) was placed in a 500 mL glass jar to an approximate 50% volume and sealed with tin foil.

Upon collection, the soil samples for laboratory chemical analysis were immediately placed in coolers with cooler packs for transport to the project analytical laboratory. Chain-of-custody protocol was observed during handling and transport of the soil samples. The completed chain-of-custody records are included in Appendices E and F.

The field samples were screened for combustible organic vapours using a Gastech Model 1238 Tracetector calibrated to hexane. This instrument cannot be used to quantify directly the concentrations of organic constituents as determined by laboratory analyses. However, it does provide an indication of the potential presence of volatile organics and can assist in selection of samples for laboratory chemical analyses.

The ambient temperature headspace vapor screening procedure was as follows:

- field soil samples were allowed to warm to ambient temperature for approximately 30 minutes to allow the release of any hydrocarbon vapours into the headspace of the glass jar; and
- following the 30 minute holding period, the ambient headspace vapor concentrations were measured using the Tracetehtor by piercing the sealed lid and immediately recording the results.

Vapour concentrations are expressed in parts per million by volume (ppm_v). The results of the vapour headspace readings are presented in Tables 3 to 11.

AMEC acknowledges that the field vapour screening results may have been biased low for those disturbed soil samples that were collected from solid stem auger flights or the bucket of the mini-excavator. However, the magnitude of the bias is expected to be low.

2.6 INSTALLATION OF GROUNDWATER MONITORING WELLS

Initially, nine (9) boreholes were completed as groundwater monitoring wells. The groundwater monitoring wells were constructed of 50 mm diameter Schedule 40 threaded PVC pipe. The screened sections ranged from approximately 1.5 m to 3.0 m in length and were installed at the base of each monitoring well. Filter pack sand was filled around the screen to approximately 0.3 m above the screened section in each monitoring well. A hydrated bentonite chip seal was placed up to approximately 0.3 m above the filter sand.

Groundwater monitoring wells (designated BH02-12-02 through BH02-12-05) were installed in a similar fashion to delineate contaminated groundwater in the vicinity of monitoring well BH02-12-01 (Section 2.13.2). Groundwater monitoring well BH02-12-06 was installed in a similar fashion to monitoring well BH02-12-01 within the footprint of the former building in AEC #12 in close proximity to a treated timber pile to evaluate the potential for impact to groundwater.

Groundwater monitoring wells (designated BH02-07-04, BH02-07-05 and BH03-12-01) were also similarly installed within backfilled remedial excavations after completion of excavation of petroleum hydrocarbon and creosote contaminated soil to determine the concentration of petroleum hydrocarbon and creosote in groundwater after the excavation of contaminated soil (Sections 2.13.1 and 2.13.2).

The groundwater monitoring well installation details are summarized in Table 12.

2.7 SOIL LABORATORY ANALYSES

On 8, 14 and 15 May 2002, 64 soil samples were delivered to AMEC's Analytical Laboratory located in Edmonton, Alberta. The laboratory has an established Quality Assurance/Quality Control (QA/QC) program and is accredited by the Canadian Association for Environmental

Analytical Laboratories/Standards Council of Canada (CAEAL/SCC) for specified environmental analyses. Selected soil samples were analyzed for:

• benzene, toluene, ethylbenzene, xylenes (BTEX)	24 samples
• volatile petroleum hydrocarbons (VPH)	24 samples
• volatile organic compounds (VOCs)	24 samples
• light extractable petroleum hydrocarbons (LEPH)	11 samples
• heavy extractable petroleum hydrocarbons (HEPH)	11 samples
• extractable petroleum hydrocarbons C ₁₀ -C ₁₈ (EPH)	23 samples
• EPH (C ₁₉ -C ₃₂)	23 samples
• polycyclic aromatic hydrocarbons (PAHs)	8 samples
• polychlorinated biphenyls (PCBs)	13 samples
• total metals	49 samples

2.8 GROUNDWATER MONITORING WELL DEVELOPMENT

The initial monitoring wells installed at the Site were developed on 16, 20 and 21 May 2002 to remove fines from the monitoring wells and filter pack in preparation for groundwater monitoring and sampling. The wells were purged of water using standard bailers until the wells were dry or until the purged water appeared relatively clear.

Additional groundwater monitoring and/or sampling events are summarized in Table 23.

2.9 GROUNDWATER MONITORING AND SAMPLING

On 22 May 2002, the initial monitoring wells were monitored for depth to groundwater. An interface probe was used to measure the depth to water in the wells. The wells were purged of water using standard bailers until at least three well volumes of water were removed. Samples of groundwater were collected from each monitoring well using standard dedicated bailers and placed in laboratory grade bottles and vials.

Upon collection and/or preparation, the groundwater samples were stored in ice-packed coolers and transported to AMEC's Analytical Laboratory. Chain of custody protocol was observed during handling and transport of the groundwater samples. The completed chain-of-custody records are included in Appendix F.

Groundwater samples for dissolved metals analysis were filtered by the laboratory upon receipt and preserved with nitric acid.

Additional groundwater monitoring and/or sampling events are summarized in Table 23.

2.10 GROUNDWATER LABORATORY ANALYSES

On 23 May 2002, eleven (11) groundwater samples were delivered to AMEC's Analytical Laboratory. Selected groundwater samples were analyzed for:

• benzene, toluene, ethylbenzene, xylenes (BTEX)	6 samples
• volatile petroleum hydrocarbons (VPH)	6 samples
• volatile organic compounds (VOCs)	4 samples
• light extractable petroleum hydrocarbons (LEPH)	8 samples
• heavy extractable petroleum hydrocarbons (HEPH)	8 samples
• PAHs	1 sample
• PCBs	2 samples
• dissolved metals	12 samples

Subsequent groundwater sampling and analyses was conducted at areas of environmental concern (AECs) #7 and #12 for specific contaminants of concern (COC) as summarized in Tables 24 and 26. The sampling and analyses were conducted to further characterize contaminated groundwater identified at these areas and to confirm the effectiveness of remedial actions undertaken at each area.

Sampling rounds on 22 January, 18 February and 20 May 2003 for AEC #12 consisted of sample collection with a low velocity sampling pump instead of standard bailers and included analysis of filtered and unfiltered samples for PAHs as indicated in Table 26 to determine the degree of contamination associated with suspended sediments in the groundwater samples collected from this area.

2.11 SURVEY

A survey to determine the location and geodetic elevations of the boreholes, monitoring wells and test pits was conducted by Hol & Associates Professional Land Surveyors. The elevations are summarized on the borehole and test pit logs in Appendices C and D.

2.12 INDEPENDENT REMEDIATION PROCEDURES

The MWLAP was notified on 15 March 1999 by MECI of Independent Remediation of the Site under Section 20.8 of the *Waste Management Act* and Part 13, Section 57 of the CSR (Appendix B). This was with respect to remedial actions undertaken at other portions of the Lochburn facility not encompassed by the Site.

2.13 REMEDIATION OF CONTAMINATED GROUNDWATER AT AEC #7 AND #12

Remediation of contaminated groundwater at AECs #7 and #12 was conducted via removal of the suspected source of contamination as described in the following subsections.

2.13.1 AEC #7

Area of environmental concern (AEC) #7 comprised the former vehicle fuelling and maintenance facility. Underground storage tanks (USTs) and associated piping and dispensing equipment were formerly located in the area. The USTs and associated piping and dispensing equipment were decommissioned in 1989 and the area remediated to commercial/industrial standards of the day. Petroleum hydrocarbon contaminated soil was excavated and treated on-site in a biocell before disposal off-site. Reporting for the decommissioning and remediation work in this area indicated that some contamination may remain in this area.

Three (3) boreholes were drilled and nine (9) test pits were advanced by AMEC in the vicinity of the USTs and associated piping and dispensing equipment. Visual or olfactory evidence of potential soil contamination was generally not observed in soil samples collected from the borehole and test pit locations with the exception of select soil samples collected from borehole BH02-07-02 and test pit TP02-07-06. The analytical results of the selected soil samples submitted for analysis were below the provincial *Contaminated Sites Regulation (CSR)* Commercial/Industrial (CL/IL) soil standards.

Three (3) boreholes were completed as groundwater monitoring wells. The analytical results of the groundwater samples submitted for analysis were below the CSR AW standards with the exception of pyrene (0.47 parts per billion (ppb)) in a groundwater sample collected from monitoring well BH02-07-02. The suspected source of the pyrene contaminated groundwater was residual soil contamination in the area exceeding the CSR Residential (RL) soil standards but below the CSR CL/IL soil standards.

Suspect contaminated soil in AEC #7 was excavated by Quantum under the supervision of an AMEC representative(s). In general, the excavation of suspect contaminated soil continued until visual/olfactory evidence of contamination was reduced or the results of field screening indicated that the level of contamination was reduced. Confirmatory soil samples were then collected (based on the worst visual/olfactory evidence of contamination and/or field screening results) and submitted for laboratory analyses of the applicable contaminants of concern (COC). Approximately 1 200 tonnes of petroleum hydrocarbon contaminated soil was removed from the Site and transported by Quantum to its Western Soil Treatment facility in Delta, British Columbia for treatment/disposal (Appendix G).

Seepage of groundwater into the excavation was pumped out and transferred into a 5 000 L plastic holding tank. Approximately 5 000 L of groundwater was collected. One (1) water sample was collected from the holding tank and submitted to AMEC's Analytical Laboratory for analysis of BTEX/VPH and PAHs. Approval was received from the City of Burnaby to discharge the water onto the grounds of the Site (Appendix H).

Two (2) groundwater monitoring wells (designated BH02-07-04 and BH02-07-05) were installed within the backfilled excavation after completion of excavation of petroleum hydrocarbon contaminated soil to determine the concentration of pyrene in groundwater after the excavation of contaminated soil (Figure 3). The results of confirmatory groundwater sampling are provided in Section 4.1.

2.13.2 AEC #12

Area of environmental concern (AEC) #12 comprised the former Horne Payne Building Prefabrication Shop, Butler Building and Instrumentation Shop and the West Block of the former Horne Payne Building. The building was demolished in approximately 1999/2000. Creosote treated timber piles upon which a portion of the former building was founded remained in the northwest corner of the Site.

One (1) borehole designated BH02-12-01 was drilled within the footprint of the former building in close proximity to a treated timber pile. Visual and olfactory evidence of potential creosote soil contamination was observed in soil samples collected at depth from the borehole. The analytical results for polycyclic aromatic hydrocarbons (PAHs) in the selected soil samples submitted for analysis were below the provincial CSR CL/IL soil standards.

A groundwater monitoring well was installed in borehole BH02-12-01. The analytical results of a groundwater sample submitted for analysis were below the CSR AW standards with the exception of naphthalene (24 ppb) and pyrene (0.29 ppb). The suspected source of the naphthalene and pyrene contaminated groundwater was the treated timber pile situated in close proximity to monitoring well BH02-12-01.

Delineation of contaminated groundwater in the vicinity of monitoring well BH02-12-01 did not reveal evidence of widespread contaminated groundwater.

The treated timber pile in close proximity to monitoring well BH02-12-01 and monitoring well BH02-12-01 were removed on 6 May 2003. Excavated soil generated during the work was stockpiled for characterization prior to disposal/treatment off-site at an approved facility (Appendix G). A groundwater monitoring well (designated BH03-12-01) was reestablished after the backfilling of the excavation and groundwater sampling and analysis was conducted to confirm the remediation of contaminated groundwater in this area. The results of confirmatory groundwater sampling are provided in Section 4.2.

2.14 QUALITY ASSURANCE/QUALITY CONTROL

In order to provide confidence in the data obtained, a quality assurance and quality control (QA/QC) component was included in the sampling program. The field QA/QC component is summarized below. The laboratory has its own internal QA/QC program, which is not described in detail here, but is briefly summarized below.

- **Field QA/QC:** All sample containers were provided by the laboratory (clean and sterile), and were appropriate for the parameters being analyzed. All sample containers were labelled with their respective sampling locations, date and sampler name. Samples were kept cool by storing and transporting them in a cooler with ice. Field duplicate/replicate soil samples were collected and analyzed by the project laboratory as indicated in Tables 13 to 26. A field duplicate/replicate soil sample was also analyzed by a third party analytical laboratory (PSC Analytical Services).

- **Laboratory QA/QC:** Routine QA/QC by the project laboratory was undertaken and included the following for every 10 samples (a batch): analytical method blank, laboratory duplicate, spike blank and matrix blank. Only the laboratory duplicate is reported in the analytical reports.

2.15 INVESTIGATION AND REMEDIATION STANDARDS

2.15.1 Contaminated Sites Regulation

The Ministry of Water, Land and Air Protection (formerly the Ministry of Environment, Lands and Parks) has a mandate to protect, restore and sustain the environment for present and future generations. The Waste Management Act is the main law addressing contaminated sites in British Columbia. Until recently, the Act contained limited provisions for contaminated sites. In June 1993, the Waste Management Amendment Act, 1993, was passed. The amendment, also known as Bill 26, added provisions that specifically address contaminated sites. This legislation came into effect on 1 April 1997 with the promulgation of the *Contaminated Sites Regulation (CSR)*. First Stage Amendments to the CSR were passed on 19 July 1999. Second Stage Amendments to the CSR were passed on 4 February 2002.

The CSR provides generic and matrix soil standards for different land use categories and groundwater standards for different groundwater or water use categories. The land use categories are summarized as follows:

- Agricultural (AL);
- Urban Park (PL);
- Residential (RL);
- Commercial (CL); and
- Industrial (IL).

The water use categories are as follows:

- Aquatic Life (AW);
- Irrigation (IW);
- Livestock (LW); and
- Drinking Water (DW).

The aforementioned standards are all remediation standards. If the concentrations of potential contaminants in soil and groundwater do not exceed these standards for the given land/water use, remediation is not required and the soil or groundwater is not considered contaminated on account of those substances.

Based on the current zoning of the Site, the analytical results for soil were compared to the CSR CL/IL standards (CSR Schedule 4). Still Creek is located to the south of the Site across Lougheed Highway (i.e., within 1 kilometre) therefore, the matrix soil standards (CSR

Schedule 5) for groundwater flow to surface water used by aquatic life are applicable. Also applicable are the matrix soil standards for toxicity to soil invertebrates and plants and human intake of contaminated soil. No water wells are present within 1.5 kilometres of the Site therefore, the matrix soil standards for groundwater used for drinking water will not apply. The more conservative of the applicable CSR Schedule 5 matrix soil standards were used for comparison to soil laboratory analytical results.

The groundwater at the Site is not and will not be used for drinking water purposes. Still Creek is located to the south of the Site across Lougheed Highway (i.e., within 1 kilometre) therefore, the CSR Aquatic Life (AW) standards were used to assess the shallow groundwater quality at the Site.

In the CSR, standards are provided for LEPH (light extractable petroleum hydrocarbons), HEPH (heavy extractable petroleum hydrocarbons) and PAHs (polycyclic aromatic hydrocarbons). LEPH equals EPH (C_{10} - C_{18}) with a correction of EPH for PAHs. HEPH equals EPH (C_{19} - C_{32}) with a correction of EPH for PAHs.

Analyses for EPH (C_{10} - C_{18}) and EPH (C_{19} - C_{32}) are used to characterize oily soils and soils affected by diesel fuel and heating oil. For such contaminants, PAHs are generally not significant constituents. Therefore, where indicated the analytical results for EPH (C_{10} - C_{18}) can be considered equivalent to LEPH and EPH (C_{19} - C_{32}) to HEPH without the PAH correction.

2.15.2 Special Waste Regulation

The *Special Waste Regulation (SWR)* provides standards to define if a material qualifies as "special waste". Hydrocarbon contaminated soil or sediment is classified as a special waste if the concentration of oil and grease exceeds 3% by weight. It may also be classified as special waste if the total concentration of PAH is greater than 100 ppm (measured as polycyclic aromatic hydrocarbons TEQ by weight) or if concentrations of any of the substances benzene, toluene, ethylbenzene or xylenes (BTEX), naphthalene, arsenic, cadmium and mercury are greater than 100 ppm.

3.0 INVESTIGATION RESULTS

The following sections summarize the results of the soil and groundwater sampling and analyses at each on-site and off-site APEC. The Laboratory Analytical Reports are provided in Appendices E and F. Protocol 5 Reporting (Ministry) that summarizes the results of the sampling and analyses conducted at the Site is provided in Appendix I.

3.1 ON-SITE APEC #7 (FORMER VEHICLE FUELLING AND MAINTENANCE)

3.1.1 Background

The Stage 1 PSI identified potential environmental concerns related to the former vehicle fuelling and maintenance facility. Underground storage tanks (USTs) and associated piping and dispensing equipment were formerly located in the area. The USTs and associated piping and dispensing equipment were decommissioned in 1989 and the area remediated to commercial/industrial standards of the day. Petroleum hydrocarbon contaminated soil was excavated and treated on-site in a biocell before disposal off-site. Reporting for the decommissioning and remediation work in this area indicated that some contamination may remain in this area.

The APEC was associated with the storage of gasoline, diesel and heating oil in USTs and the potential for leaks from the USTs and associated piping and dispensing equipment. In addition, there was potential for spillage of fuels during the filling of the USTs or during dispensing activities. The PCOC for this APEC included BTEX, VPH, VOCs, LEPH/HEPH and metals in soil and groundwater.

3.1.2 Soil Profile

Three (3) boreholes were drilled and nine (9) test pits were advanced in the vicinity of the USTs and associated piping and dispensing equipment. The soils encountered in the boreholes and test pits consisted of a sand and gravel fill to 1.4 m bgs, a peat organic layer with some rootlets and wood inclusions to approximately 3.5 m bgs, a clayey silt to 6.5 m bgs and a silt with some clay to the maximum depth drilled of 7.6 m bgs. Monitoring wells were installed in boreholes BH02-07-02 and BH02-07-03. The borehole and test pit logs are presented in Appendices C and D.

Visual or olfactory evidence of potential soil contamination was generally not observed in soil samples collected from the borehole and test pit locations with the exception of select soil samples collected from boreholes BH02-07-02 and TP02-07-06. The organic vapour concentrations of soil samples measured in the field ranged from 0 ppm_v to 900 ppm_v.

3.1.3 Soil Laboratory Analyses Results

The results of soil analyses are summarized in Table 13 together with the applicable standards. The laboratory analytical reports are presented in Appendix E. The analytical results of the selected soil samples submitted for analysis were below the CSR CL/IL soil standards.

3.1.4 Groundwater

The depth to groundwater as measured from the top of the PVC pipes on 22 May 2002 is summarized in Table 23. Phase separated hydrocarbons, sheen or emulsion were not observed in groundwater samples collected from the groundwater monitoring wells.

3.1.5 Groundwater Laboratory Analyses Results

The results of groundwater analyses are summarized in Table 25 together with the applicable standards. The laboratory analytical reports are presented in Appendix F.

The analytical results of the groundwater samples submitted for analysis were below the CSR AW standards with the exception of the following samples:

- BH02-07-02: pyrene 0.47 ppb.

3.1.6 Delineation of Groundwater Contamination

The suspected source of the pyrene contaminated groundwater was residual soil contamination in the area exceeding the CSR Residential (RL) soil standards but below the CSR CL/IL soil standards. Suspect CSR RL+ contaminated soil in AEC #7 was excavated and disposed of off-site at an approved facility, and two (2) groundwater monitoring wells were installed within the backfilled excavation to determine the concentration of pyrene in groundwater in lieu of delineation of contaminated groundwater (2.13.1).

3.1.7 Remedial Action

Remedial action undertaken at AEC #7 is summarized in Section 2.13.1. The results of confirmatory groundwater sampling are provided in Section 4.1.

3.2 ON-SITE APEC #10 (TRANSFORMER COMPOUND)

3.2.1 Background

The Stage 1 PSI identified potential environmental concerns related to the transformer and surrounding compound. The oil in the transformer was tested and reportedly contained less than 3 ppm PCBs. This is less than the regulated concentration of PCBs (50 ppm).

The APEC was associated with the potential for leaks or spillage of transformer oil during the filling and/or maintenance of the transformers. The PCOC for this APEC included LEPH/HEPH, PAHs, PCBs and metals in soil and groundwater.

3.2.2 Soil Profile

One (1) borehole was drilled and four (4) shallow test pits were advanced in the vicinity of the transformer compound. The soils encountered in the borehole consisted of a sand and gravel fill to 0.6 m bgs, a peat organic layer with some rootlets and wood inclusions to approximately 4.2 m bgs, a clayey silt to 6.9 m bgs and a silt with some clay to the maximum depth drilled of 9.1 m bgs. A monitoring well was installed in borehole BH02-10-01. The soil encountered in the shallow test pits consisted of a sand and gravel fill to the maximum depth excavated of 0.25 m bgs. A geosynthetic liner was encountered in the test pits at 0.1 m bgs and refusal was

encountered at 0.25 m on a concrete surface. The borehole and test pit logs are presented in Appendices C and D.

Visual or olfactory evidence of potential soil contamination was not observed in soil samples collected from the borehole and test pit locations and the organic vapour concentrations of soil samples measured in the field ranged from 10 ppm_v to 68 ppm_v.

3.2.3 Soil Laboratory Analyses Results

The results of soil analyses are summarized in Table 14 together with the applicable standards. The laboratory analytical reports are presented in Appendix E.

The analytical results of the selected soil samples submitted for analysis were below the CSR CL/IL soil standards. A discrepancy in the concentration of HEPH in the original soil sample BH02-10-01-2 and its field duplicate was observed. Discussions with the project laboratory indicated that the duplicate variability was likely attributable to heterogeneity within the soil sample as evidenced by visual observation of the soil samples by laboratory personnel (e.g., soil sample BH02-10-01-2 had small lighter coloured clay pockets) and the difference in moisture content between the soil samples (i.e., approx. 7%).

3.2.4 Groundwater

The depth to groundwater as measured from the top of the PVC pipe on 22 May 2002 is summarized in Table 23. Phase separated hydrocarbons, sheen or emulsion were not observed in groundwater samples collected from the groundwater monitoring wells.

3.2.5 Groundwater Laboratory Analyses Results

The results of groundwater analyses are summarized in Table 25 together with the applicable standards. The laboratory analytical reports are presented in Appendix F.

The analytical results of the groundwater samples submitted for analysis were below the CSR AW standards.

3.2.6 Delineation of Contamination

No action was required.

3.2.7 Remedial Action

No action was required.

3.3 ON-SITE APEC #11 (FORMER MACHINE SHOP)

3.3.1 Background

The Stage 1 PSI identified potential environmental concerns related to vehicle outfitting in the former machine shop. The unloading and cleaning of vehicles was formerly conducted in this area.

The APEC was associated with the possibility that sweepings from vehicle unloading and cleaning may have contained mercury. The PCOC for this APEC was metals (including mercury) in soil and groundwater.

3.3.2 Soil Profile

One (1) borehole was drilled and two (2) test pits were advanced in the vicinity of the former machine shop. The soils encountered in the borehole consisted of a sand and gravel fill to 0.8 m bgs, a peat organic layer with some rootlets and wood inclusions to approximately 1.7 m bgs, a sand layer to 2.0 m bgs, a peat organic layer with some rootlets and wood inclusions to approximately 4.4 m bgs, a clayey silt to 9.3 m bgs and a silt with some clay to the maximum depth drilled of 10.7 m bgs. The borehole and test pit logs are presented in Appendices C and D.

Visual or olfactory evidence of potential soil contamination was not observed in soil samples collected from the borehole and test pit locations and the organic vapour concentrations of soil samples measured in the field ranged from 0 ppm_v to 54 ppm_v.

3.3.3 Soil Laboratory Analyses Results

The results of soil analyses are summarized in Table 15 together with the applicable standards. The laboratory analytical reports are presented in Appendix E.

The analytical results of the selected soil samples submitted for analysis were below the CSR CL/IL soil standards.

3.3.4 Groundwater

The depth to groundwater as measured from the top of the PVC pipe on 22 May 2002 is summarized in Table 23. Phase separated hydrocarbons, sheen or emulsion were not observed in groundwater samples collected from the groundwater monitoring wells.

3.3.5 Groundwater Laboratory Analyses Results

The results of groundwater analyses are summarized in Table 25 together with the applicable standards. The laboratory analytical reports are presented in Appendix F.

The analytical results of the groundwater samples submitted for analysis were below the CSR AW standards.

3.3.6 Delineation of Contamination

No action was required.

3.3.7 Remedial Action

No action was required.

3.4 ON-SITE APEC #12 (FORMER HORNE PAYNE BUILDING)

3.4.1 Background

The Stage 1 PSI identified potential environmental concerns related to use of mercury containing instruments in the former Horne Payne Building Prefabrication Shop, Butler Building and Instrumentation Shop and the West Block of the former Horne Payne Building.

The APEC was associated with the potential for leaks and/or spillage during the operation and maintenance of containing instruments. The PCOC for this APEC was VOCs, PAHs and metals (including mercury) in soil and groundwater.

3.4.2 Soil Profile

One (1) borehole was drilled and six (6) test pits were advanced in the vicinity of the former Horne Payne Building, Butler Building and West Block area. The soils encountered in the borehole consisted of a sand and gravel fill to 1.2 m bgs, a peat organic layer with some rootlets and wood inclusions to approximately 2.1 m bgs, a sand layer to 2.3 m bgs, a peat organic layer with some rootlets and wood inclusions to approximately 4.3 m bgs, a clayey silt to 9.5 m bgs and a silt with some clay to the maximum depth drilled of 10.2 m bgs. The borehole and test pit logs are presented in Appendices C and D.

Visual or olfactory evidence of potential soil contamination was not observed in soil samples collected from the borehole and test pit locations and the organic vapour concentrations of soil samples measured in the field ranged from 0 ppm_v to 110 ppm_v.

3.4.3 Soil Laboratory Analyses Results

The results of soil analyses are summarized in Table 16 together with the applicable standards. The laboratory analytical reports are presented in Appendix E.

The analytical results of the selected soil samples submitted for analysis were below the CSR CL/IL soil standards.

3.4.4 Groundwater

The depth to groundwater as measured from the top of the PVC pipe on 22 May 2002 is summarized in Table 23. Phase separated hydrocarbons, sheen or emulsion were not observed in groundwater samples collected from the groundwater monitoring wells.

3.4.5 Groundwater Laboratory Analyses Results

The results of groundwater analyses are summarized in Table 26 together with the applicable standards. The laboratory analytical reports are presented in Appendix F.

The analytical results of the groundwater samples submitted for analysis were below the CSR AW standards with the exception of the following samples:

- BH02-12-01: naphthalene 24 ppb and pyrene 0.29 ppb.

3.4.6 Delineation of Groundwater Contamination

Groundwater monitoring wells (designated BH02-12-02 through BH02-12-05) were installed in a similar fashion to delineate contaminated groundwater in the vicinity of monitoring well BH02-12-01 (Section 2.13.2). Groundwater monitoring well BH02-12-06 was installed in a similar fashion to monitoring well BH02-12-01 within the footprint of the former building in AEC #12 in close proximity to a treated timber pile to evaluate the potential for impact to groundwater.

No evidence of widespread contaminated groundwater was identified and PAH contaminated groundwater appeared to be restricted to close proximity to treated timber piles. Sampling rounds on 22 January and 18 February 2003 suggested that the concentration of PAHs decreased with distance from a treated timber pile and that PAH contamination was likely associated with suspended sediments in the groundwater samples collected from this area.

3.4.7 Remedial Action

Remedial action undertaken at AEC #7 is summarized in Section 2.13.2. The results of confirmatory groundwater sampling are provided in Section 4.2.

3.5 ON-SITE APEC #13 (FORMER INCINERATOR)

3.5.1 Background

The Stage 1 PSI identified potential environmental concerns related to a former incinerator that was located near the transformer compound.

The APEC was associated with the potential disposal of cinders and other ash material from the operation and maintenance of the former incinerator. The PCOCs for this APEC were PAHs and metals in soil and groundwater.

3.5.2 Soil Profile

One (1) borehole was drilled and four (4) test pits were advanced in the vicinity of the former incinerator near the transformer compound. The soils encountered in the borehole consisted of a sand and gravel fill to approximately 0.8 m bgs, a sand with some silt to approximately 1.7 m, a peat organic layer with some rootlets and wood inclusions to approximately 4.3 m bgs, a clayey silt to 9.5 m bgs and a silt with some clay to the maximum depth drilled of 9.1 m bgs. The borehole and test pit logs are presented in Appendices C and D.

Visual or olfactory evidence of potential soil contamination was not observed in soil samples collected from the borehole and test pit locations and the organic vapour concentrations of soil samples measured in the field ranged from 0 ppm_v to 54 ppm_v.

3.5.3 Soil Laboratory Analyses Results

The results of soil analyses are summarized in Table 17 together with the applicable standards. The laboratory analytical reports are presented in Appendix E.

The analytical results of the selected soil samples submitted for analysis were below the CSR CL/IL soil standards.

3.5.4 Groundwater

The depth to groundwater as measured from the top of the PVC pipe on 22 May 2002 is summarized in Table 23. Phase separated hydrocarbons, sheen or emulsion were not observed in groundwater samples collected from the groundwater monitoring wells.

3.5.5 Groundwater Laboratory Analyses Results

The results of groundwater analyses are summarized in Table 24 together with the applicable standards. The laboratory analytical reports are presented in Appendix F.

The analytical results of the groundwater samples submitted for analysis were below the CSR AW standards.

3.5.6 Delineation of Contamination

No action was required.

3.5.7 Remedial Action

No action was required.

3.6 APEC #8 (OFF-SITE - FORMER BC HYDRO STORAGE AREAS)

3.6.1 Background

The Stage 1 PSI identified potential environmental concerns related to the off-site migration of potential contaminants from the former BC Hydro storage area situated near the northeast portion of the Lochburn Facility. The storage area formerly contained oils and other petroleum products from drums and electrical equipment. Contaminated soil from the area to the east of Horne Payne Building was removed and confirmatory soil samples of the area were reportedly below applicable standards.

The APEC was associated with the potential migration of contaminants from the storage of petroleum products in drums and electrical equipment from the former Lochburn Facility and Horne Payne Building to the northeast of the Site. In addition, there was potential for spillage of oil or other petroleum products during the filling of or during dispensing activities. The PCOC for this APEC was BTEX, VPH, VOCs, LEPH/HEPH, PAHs, PCBs and metals in soil and groundwater.

3.6.2 Soil Profile

Four (4) test pits were advanced in the vicinity of the former Lochburn Facility storage area and HPB. The soils encountered in the test pits consisted of a sand and gravel fill to approximately 0.4 m bgs and a silt with trace sand to the maximum depth excavated of 2.0 m bgs. The borehole and test pit logs are presented in Appendices C and D.

Visual or olfactory evidence of potential soil contamination was not observed in soil samples collected from the borehole and test pit locations and the organic vapour concentrations of soil samples measured in the field ranged from 2 ppm_v to 96 ppm_v.

3.6.3 Soil Laboratory Analyses Results

The results of soil analyses are summarized in Table 18 together with the applicable standards. The laboratory analytical reports are presented in Appendix E.

The analytical results of the selected soil samples submitted for analysis were below the CSR CL/IL soil standards.

3.6.4 Groundwater

Groundwater was not specifically investigated for APEC #8 given that groundwater was investigated for nearby APECs #23 and #24 (Section 3.8.4).

3.6.5 Groundwater Laboratory Analyses Results

The results of groundwater analyses for APECs #23 and #24 are summarized in Section 3.8.5. The analytical results of the groundwater samples collected from APECs #23 and #24 and submitted for analysis were below the CSR AW standards.

3.6.6 Delineation of Contamination

No action was required.

3.6.7 Remedial Action

No action was required.

3.7 APEC #17 (OFF-SITE - FORMER NATURAL GAS COMPRESSOR STATION)

3.7.1 Background

The Stage 1 PSI identified potential environmental concerns related to the off-site migration of potential contaminants from a former natural gas compressor and dispensing station situated to the north of the Site.

The APEC was associated with the potential migration of contaminants from the natural gas compressor and dispensing station to the north of the Site. In addition, there was potential for spillage of materials during the filling of or during dispensing activities. The PCOC for this APEC was LEPH/HEPH, PAHs, and metals in soil and groundwater.

3.7.2 Soil Profile

One (1) borehole was drilled and four (4) test pits were advanced along the north border of the Site in the vicinity of the natural gas compressor and dispensing station. The soils encountered in the borehole and test pits generally consisted of a sand and gravel fill to approximately 1.0 m bgs, a peat organic layer with some rootlets and wood inclusions to approximately 1.5 m bgs, a sand with some silt to approximately 1.8 m, a peat organic layer with trace rootlets to approximately 4.3 m bgs, a clayey silt to 8.8 m bgs and a silt with some clay to the maximum depth drilled of 10.7 m bgs. The borehole and test pit logs are presented in Appendices C and D.

Visual or olfactory evidence of potential soil contamination was not observed in soil samples collected from the borehole and test pit locations and the organic vapour concentrations of soil samples measured in the field ranged from 0 ppm_v to 90 ppm_v.

3.7.3 Soil Laboratory Analyses Results

The results of soil analyses are summarized in Table 19 together with the applicable standards. The laboratory analytical reports are presented in Appendix E.

The analytical results of the selected soil samples submitted for analysis were below the CSR CL/IL soil standards.

3.7.4 Groundwater

The depth to groundwater as measured from the top of the PVC pipe on 22 May 2002 is summarized in Table 23. Phase separated hydrocarbons, sheen or emulsion were not observed in groundwater samples collected from the groundwater monitoring wells.

3.7.5 Groundwater Laboratory Analyses Results

The results of groundwater analyses are summarized in Table 24 together with the applicable standards. The laboratory analytical reports are presented in Appendix F.

The analytical results of the groundwater samples submitted for analysis were below the CSR AW standards.

3.7.6 Delineation of Contamination

No action was required.

3.7.7 Remedial Action

No action was required.

3.8 APEC #23 AND # 24 (OFF-SITE - BC HYDRO YARD AND TRANSFORMER STATION)

3.8.1 Background

The Stage 1 PSI identified potential environmental concerns related to the off-site migration of potential contaminants from the BC Hydro Yard and Transformer station to the east of the Site. Underground storage tanks (USTs) and associated piping and dispensing equipment may be present to the east of the Site in addition to a storage area for drums and other equipment associated with the transformers.

The APEC was associated with the potential migration of contaminants from the BC Hydro Yard and Transformer Station to the east of the property. The PCOCs are associated with the potential for leaks from the UST and storage of petroleum hydrocarbons, oil and electrical equipment. In addition, there was potential for spillage of oil or other petroleum products during

the filling of or during dispensing activities. The PCOC for this APEC included BTEX, VPH, VOCs, LEPH/HEPH, PAHs, PCBs and metals in soil and groundwater.

3.8.2 Soil Profile

One (1) borehole was drilled and four (4) test pits were advanced along the northeast border of the Site in the vicinity of the BC Hydro Storage Yard and Transformer Station. The soils encountered in the borehole and test pits generally consisted of a sand and gravel fill to approximately 1.2 m bgs, a clayey silt to approximately 1.8 m bgs and a silt with some clay to the maximum depth drilled of 4.6 m bgs. The borehole and test pit logs are presented in Appendices C and D.

Visual or olfactory evidence of potential soil contamination was not observed in soil samples collected from the borehole and test pit locations and the organic vapour concentrations of soil samples measured in the field ranged from 0 ppm_v to 100 ppm_v.

3.8.3 Soil Laboratory Analyses Results

The results of soil analyses are summarized in Table 20 together with the applicable standards. The laboratory analytical reports are presented in Appendix E.

The analytical results of the selected soil samples submitted for analysis were below the CSR CL/IL soil standards.

3.8.4 Groundwater

The depth to groundwater as measured from the top of the PVC pipe on 22 May 2002 is summarized in Table 23. Phase separated hydrocarbons, sheen or emulsion were not observed in groundwater samples collected from the groundwater monitoring wells.

3.8.5 Groundwater Laboratory Analyses Results

The results of groundwater analyses are summarized in Table 24 together with the applicable standards. The laboratory analytical reports are presented in Appendix F.

The analytical results of the groundwater samples submitted for analysis were below the CSR AW standards.

3.8.6 Delineation of Contamination

No action was required.

3.8.7 Remedial Action

No action was required.

3.9 APEC #27 (OFF-SITE - FORMER SERVICE STATION)

3.9.1 Background

The Stage 1 PSI identified potential environmental concerns related to the off-site migration of contaminants from the former service station that was located to the southwest of the Site.

The APEC was associated with the storage of gasoline, diesel and heating oil in USTs and the potential for leaks from the USTs and associated piping and dispensing equipment. In addition, there was potential for spillage of fuels during the filling of the USTs or during dispensing activities. The PCOC for this APEC included BTEX, VPH, VOCs, LEPH/HEPH, PAHs and metals in soil and groundwater.

3.9.2 Soil Profile

One (1) borehole was drilled on the southwest portion of the Site to determine potential off-site migration of contaminants from the former gas station to the south west of the Site. The soil encountered in the borehole consisted of a sand and gravel fill to approximately 0.76 m bgs, a peat organic layer with some rootlets and wood inclusions to approximately 1.5 m bgs, a sand to approximately 1.8 m bgs, a peat organic layer with trace rootlets and wood inclusions to approximately 5.2 m bgs, a clayey silt to approximately 6.7 m bgs and a silt with some clay to the maximum depth drilled of 9.1 m bgs. The borehole and test pit logs are presented in Appendices C and D.

Visual or olfactory evidence of potential soil contamination was not observed in soil samples collected from the borehole and test pit locations and the organic vapour concentrations of soil samples measured in the field ranged from 30 ppm_v to 46 ppm_v.

3.9.3 Soil Laboratory Analyses Results

The results of soil analyses are summarized in Table 21 together with the applicable standards. The laboratory analytical reports are presented in Appendix E.

The analytical results of the selected soil samples submitted for analysis were below the CSR CL/IL soil standards.

3.9.4 Groundwater

The depth to groundwater as measured from the top of the PVC pipe on 22 May 2002 is summarized in Table 23. Phase separated hydrocarbons, sheen or emulsion were not observed in groundwater samples collected from the groundwater monitoring wells.

3.9.5 Groundwater Laboratory Analyses Results

The results of groundwater analyses are summarized in Table 24 together with the applicable standards. The laboratory analytical reports are presented in Appendix F.

The analytical results of the groundwater samples submitted for analysis were below the CSR AW standards.

3.9.6 Delineation of Contamination

No action was required.

3.9.7 Remedial Action

No action was required.

3.10 FIELD QUALITY ASSURANCE/QUALITY CONTROL

As indicated in Section 2.12, field duplicate/replicate soil and groundwater samples were collected and analyzed as indicated in Tables 13 to 22 and Tables 24 to 26. There was generally close agreement between original and field duplicate samples. A discrepancy in the concentration of HEPH in the original soil sample BH02-10-01-2 and its field duplicate was observed. Discussions with the project laboratory indicated that the duplicate variability was likely attributable to heterogeneity within the soil sample as evidenced by visual observation of the soil samples by laboratory personnel (e.g., soil sample BH02-10-01-2 had small lighter coloured clay pockets) and the difference in moisture content between the soil samples (i.e., approx. 7%).

Minor discrepancies in the concentrations of the other analytical parameters were observed between original and field duplicate samples. However, these can likely be attributed to variations between the original and field duplicate samples. A significant discrepancy in the concentration of copper in the original groundwater sample collected from monitoring well BH02-07-02 and its field duplicate was observed. This was reviewed by the project laboratory and attributed to a data recording error for copper. There was close agreement between the original and field duplicate samples for other dissolved metal parameters and the concentration of dissolved copper in the original sample was deemed to be the more accurate value.

Analysis of BTEX, VPH, LEPH/HEPH and metals by a third party analytical laboratory (PSC Analytical Services) indicated there was generally close agreement between the project and third party analytical laboratories. However, considerable discrepancy was observed in the reported concentrations of ethylbenzene and xylenes from each analytical laboratory. In discussions with the laboratories it was indicated that a difference in extraction methods was likely attributable for the discrepancy. The project laboratory utilized a methanol extraction method in the analysis of BTEX and the third party analytical laboratory likely utilized a purge and trap, water extraction

method. Given that hydrocarbons are more soluble in methanol, this may explain the higher reported values by the project laboratory.

3.11 LABORATORY QUALITY ASSURANCE/QUALITY CONTROL

A review of the laboratory quality assurance/quality control (QA/QC) reports indicated that the results can be considered acceptable according to the QA/QC procedures of the project laboratory. QA/QC samples included laboratory duplicates and a blind duplicate groundwater sample collected from monitoring well BH02-07-02. There was generally close agreement between original samples and laboratory or blind duplicate samples. Discrepancies in concentrations of extractable hydrocarbons were observed in the blind duplicate sample. These can likely be attributed to variations between the two (2) samples. A review of surrogate recovery percentages indicates that all are within acceptable limits for the method employed.

4.0 CONFIRMATORY SAMPLING RESULTS

4.1 AEC #7

The results of confirmatory groundwater analyses for groundwater samples collected from monitoring wells BH02-07-04 and BH02-07-05 on 27 November 2002 are summarized in Table 24 together with the applicable standards.

The analytical results of the groundwater samples submitted for analysis indicated that the concentrations of BTEXw, VPHw, LEPH/HEPHw, and PAHs were below the analytical method detection limits or the CSR AW water standards.

4.2 AEC #12

The results of confirmatory groundwater analyses for groundwater samples collected from monitoring well BH03-12-01 on 20 May and 11 July 2003 are summarized in Table 24 together with the applicable standards.

The analytical results of the groundwater samples submitted for analysis indicated that the concentrations of PAHs were below the analytical method detection limits and the CSR AW water standards.

5.0 SUMMARY AND CONCLUSIONS

In summary, the soil profile at the Site consisted of a sand and gravel fill and a sequence of peat and silty clay, overlying clay till. Groundwater was encountered at a depth of approximately 1.6 m bgs.

Some visual and olfactory evidence of potential soil contamination (e.g., staining and/or odour) was observed in soil samples collected from boreholes and test pits advanced in APEC #7, #10, and #12. The total organic vapour concentrations of soil samples measured in the field were considered generally representative of background levels and ranged from less than the detection limit of the instrument to approximately 1 000 ppm_v.

The analytical results of the selected soil samples submitted for laboratory analyses indicated that the concentrations of the PCOC and COC were below the provincial CSR CL/IL soil standards and comply with the CSR CL/IL soil standards for development of the Site as commercial land use.

Of 10 on-site and off-site APECs investigated, two (2) AECs were identified where various COCs exceeded the CSR AW water standards (APECs #7 and #12). No evidence of widespread groundwater contamination was identified. Remediation of contaminated groundwater at these AECs was conducted via removal of the suspected source of contamination (e.g., contaminated soil, creosote treated timber pile, etc.). The analytical results of the confirmatory groundwater samples submitted for analysis indicated that the concentrations of the COCs were below the CSR AW water standards and that the Site complies with the CSR AW water standards.

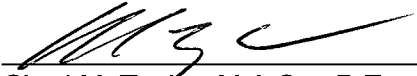
6.0 PROFESSIONAL STATEMENT (PART 16., CSR)


In accordance with Section 63 of the *Contaminated Sites Regulation*, this will confirm that:

- the Stage 2 Preliminary Site Investigation Report has been prepared in accordance with requirements of the Act and the regulations; and
- the undersigned has demonstrable experience in investigation of the type of contamination at the site for which this statement applies and is familiar with the investigation carried out on the site.

AMEC Earth & Environmental Limited


for Kim Faubert, D.Tech.
Environmental Engineering Technologist


Chad M. Taylor, M.A.Sc., P.Eng.
Project Manager


Allan Morrison, P.Eng.
Senior Environmental Engineer

7.0 CLOSURE

The findings of the confirmatory soil and groundwater sampling and analyses are based on the interpretation of data obtained at site-specific locations and analytical tests pertaining to parameters specified in this report. Evaluation and conclusions do not preclude the existence of chemical substances other than those identified herein, or the possibility that contamination conditions can vary between areas of investigation. Hence, this report should be used for information purposes only and should not be regarded as a certification of the actual chemical character of the site.

This report has been prepared for the exclusive use of Terasen Gas and the Ministry of Water, Land and Air Protection for specific application to this project site. The investigation activities were conducted in accordance with the work plan prepared for this site and generally accepted practices. No other warranty, expressed or implied, is made. Any use which a third party makes of this report, or any reliance on or decisions to be made based upon it, are the responsibility of such third parties. AMEC accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report. AMEC's Statement of Limitations is provided in Appendix J.

Respectfully submitted,

AMEC Earth & Environmental Limited

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Prepared by:


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8.0 REFERENCES

Contaminated Sites Regulation of British Columbia (CSR) BC Reg. 375/96.

Contaminated Sites Regulation of British Columbia (CSR) First Stage Amendments; BC Reg. 244/99.

Contaminated Sites Regulation of British Columbia (CSR) Second Stage Amendments; BC Reg. 17/2002.

Morrow Environmental Consultants Inc., Stage 1 Preliminary Site Investigation, BC Gas Utility Ltd., Lochburn Facility, 3777 Lougheed Highway, Burnaby, BC, V8-195, 15 December 1998.

Special Waste Regulation. BC Reg. 63/88.

TABLES

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Table 1: Areas of Potential Environmental Concern and Potential Contaminants of Concern Associated with Historical Activities at the Site

APECs	Location	Activities of Concern	Media	PCOC - Contaminant and Analytical Parameters	Comments	Reference	Degree of Environmental Risk
7	Former vehicle fuelling and maintenance facility	OPERATIONS: Fuel dispensing and vehicle maintenance - USTs, piping, pumps: leakage from lines and three (3) tanks (gasoline, diesel, furnace oil), spillage during loading and unloading	Soil and Groundwater	gasoline, diesel, furnace oil, waste oil, solvents: BTEX, VPH, VOCs, LEPH/HEPH, PAHs, metals	- site decommissioned in 1989 to commercial/ industrial criteria in effect at the time - hydrocarbon contaminated soil excavated and treated on site before off-site disposal - previous report noted that some contamination may remain in this area - groundwater quality met criteria of the day	- drawing in BC Gas Files	Moderate
10	Transformers and surrounding compound	TRANSFORMER: leakage or spillage of transformer oil	Soil and Groundwater	transformer oil: LEPH/HEPH, PAHs, PCBs and metals	- the oil presently in the transformers reportedly contains < 3 ppm PCBs less than the regulated concentration (50 ppm) of PCBs	- interview with Mr. Bergen of BC Gas - BC Gas environmental files - site visit	Moderate

Table 1: Areas of Potential Environmental Concern and Potential Contaminants of Concern Associated with Historical Activities at the Site

APECs	Location	Activities of Concern	Media	PCOC - Contaminant and Analytical Parameters	Comments	Reference	Degree of Environmental Risk
11	Anywhere on site; former vehicle outfitting in Machine Shop	OPERATIONS: Vehicle unloading and cleaning - sweepings, possibly including mercury, may have been deposited anywhere on the site	Soil and Groundwater	Metals including mercury	- no physical evidence - anecdotal information only	- interview with Mr. Glen Baron of BC Gas	Moderate
12	HPB (prefabrication shop; 2 nd floor storage area), Butler Building and Instrument Shop (former salvage shops), West Block (2 nd floor, northeast corner)	OPERATIONS: use of mercury containing instruments	Soil and Groundwater	mercury	- mercury may have been present at these locations in the past; various periods of use	- interview with Glen Baron of BC Gas	Low
13	Former incinerator near transformer compound	INCINERATOR: possible disposal of cinders	Soil and Groundwater	cinders: PAHs, metals		- interview with Mr. Bergen of BC Gas	Low

The above information was excerpted from the MECI Stage 1 PSI report and is a summary only. Persons who may rely on this report are encouraged to review the entire MECI Stage 1 PSI report so as to avoid the use of information out of context.

Notes: APEC - area of potential environmental concern

PCOC - potential contaminant of concern

BTEX - benzene, toluene, ethylbenzene, and xylenes

VPH - volatile petroleum hydrocarbons

VOCs - volatile organic compounds

LEPH/HEPH - light and heavy extractable petroleum hydrocarbons

PAHs - polycyclic aromatic hydrocarbons

PCBs - polychlorinated biphenyls

HPB - Home Payne Building

UST - underground storage tank

Table 2: Areas of Potential Environmental Concern and Potential Contaminants of Concern Associated with Historical Activities on Adjacent Properties

APECs	Location	Activities of Concern	Media	PCOC - Contaminant and Analytical Parameters	Comments	Reference	Degree of Environmental Risk
8	OFFSITE: Former BC Hydro storage areas, northeast portion of Lochburn Facility, particularly surrounding HPB	STORAGE YARD: - leakage of oil or other petroleum products from drums or electrical equipment	Soil and Groundwater	lubricants, solvents, or other liquids: BTEX, VPH, VOCs, LEPH/HEPH, PAHs, PCBs, metals	- area presently surfaced with gravel; no staining observed - contaminated soil was reportedly removed from area east of HPB; confirmatory soil samples collected from this area were reportedly "clean" - potential exists for the migration of contaminants offsite onto the eastern portion of the site	- interview with Mr. Bergen of BC Gas - aerial photographs - BC Gas environment al files - site visit	Moderate
17	OFFSITE: Natural gas compressor and dispensing	COMPRESSOR STATION: oily soil reportedly identified during excavations in this area	Soil and Groundwater	likely compressor or lube oils: LEPH, HEPH, metals	- patches visible in asphalt surface indicate location of excavations	- interview with Mr. Bergen of BC Gas	High

Table 2: Areas of Potential Environmental Concern and Potential Contaminants of Concern Associated with Historical Activities on Adjacent Properties

APECs	Location	Activities of Concern	Media	PCOC - Contaminant and Analytical Parameters	Comments	Reference	Degree of Environmental Risk
23	OFFSITE: BC Hydro yard, adjacent to the eastern portion of the site	REPAIR BUILDING: - presumed vehicle servicing and storage tanks TRANSFORMERS: - spillage on ground surface; possible leakage from UST: oil or other products TRANSFORMERS: - potential for migration of contaminants towards site	Soil and Groundwater	lubricants, solvents, or other liquids: BTEX, VPH, VOCs, LEPH, HEPH, PAHs, PCBs, metals	- area presently surfaced with gravel or asphalt - potentially up or crossgradient of site: migration of contaminants onto eastern portion of site	- BC Hydro drawings	High
24	OFFSITE: Transformer station and yard directly east of the site	TRANSFORMERS: - leakage of oil or other petroleum products from drums or electrical equipment - potential for migration of contaminants towards the subject property	Soil and Groundwater	lubricants, solvents, or other liquids: BTEX, VPH, VOCs, LEPH, HEPH, PAHs, PCBs, metals	- area presently surfaced with gravel or asphalt - potentially up or cross gradient of site: migration of contaminants onto eastern portion of site	- site visit - aerial photographs	Moderate

Table 2: Areas of Potential Environmental Concern and Potential Contaminants of Concern Associated with Historical Activities on Adjacent Properties

APECs	Location	Activities of Concern	Media	PCOC - Contaminant and Analytical Parameters	Comments	Reference	Degree of Environmental Risk
27	OFFSITE: Former service station across intersection, approximately 150 m, southwest of site	FUEL DISPENSING AND VEHICLE MAINTENANCE - USTs, PIPING, PUMPS: - leakage from lines and tanks, spillage during loading and unloading - potential for migration towards site	Soil and Groundwater	fuels, lubricants: BTEX, VPH, VOCs, LEPH/HEPH, PAHs, metals	- site currently occupied by restaurant - site partially excavated during construction of restaurant - potentially upgradient of subject property: potential for migration of contaminants onto southwest portion of subject site	- street directories - aerial photographs	Low

The above information was excerpted from the MECI Stage 1 PSI report and is a summary only. Persons who may rely on this report are encouraged to review the entire MECI Stage 1 PSI report so as to avoid the use of information out of context.

Notes: APEC - area of potential environmental concern

PCOC - potential contaminant of concern

BTEX - benzene, toluene, ethylbenzene, and xylenes

VPH - volatile petroleum hydrocarbons

VOCs - volatile organic compounds

LEPH/HEPH - light and heavy extractable petroleum hydrocarbons

PAHs - polycyclic aromatic hydrocarbons

PCBs - polychlorinated biphenyls

HPB - Horne Payne Building

UST - underground storage tank

Table 3: Summary of Soil Samples and Laboratory Analyses for APEC #7

SAMPLE NUMBERS	DEPTH OF SAMPLES (m)	VAPOUR CONCENTRATION (ppm _v)	ANALYTICAL PARAMETERS
BH02-07-01-1	0 to 0.5	0	-
BH02-07-01-2	0.5 to 1.0	0	-
BH02-07-01-3	1.0 to 2.0	4	BTEX, VPH, VOCs, LEPH/HEPH and Metals
BH02-07-02-1	0 to 0.46	8	-
BH02-07-02-2	0.46 to 0.76	4	-
BH02-07-02-3	0.76 to 1.52	4	-
BH02-07-02-4	1.52 to 2.29	900	BTEX, VPH, VOCs, LEPH/HEPH and Metals
BH02-07-02-5	2.29 to 3.05	320	BTEX and VPH
BH02-07-02-6	3.05 to 3.51	70	-
BH02-07-02-7	3.51 to 4.57	10	-
BH02-07-02-8	4.57 to 6.10	6	-
BH02-07-02-9		duplicate BH02-07-02-4	BTEX, VPH, VOCs, LEPH/HEPH and Metals
BH02-07-03-1	0 to 0.5	10	-
BH02-07-03-2	0.5 to 1.1	8	-
BH02-07-03-3	1.1 to 1.8	72	-
BH02-07-03-4	1.8 to 2.1	220	BTEX, VPH, VOCs and EPH
BH02-07-03-5	2.1 to 3.1	80	-
BH02-07-03-6	3.1 to 4.0	38	-
BH02-07-03-7	4.0 to 4.5	18	-
TP02-07-01-1	0.15 to 0.5	12	-
TP02-07-01-2	0.5 to 1.0	12	-
TP02-07-01-3	1.0 to 2.0	32	BTEX, VPH, VOCs, EPH and Metals
TP02-07-02-1	0.15 to 0.5	22	-
TP02-07-02-2	0.5 to 0.65	50	BTEX, VPH, VOCs, EPH and Metals
TP02-07-02-3	0.65 to 1.5	20	-
TP02-07-02-4	1.5 to 2.0	10	-
TP02-07-03-1	0 to 0.5	12	-
TP02-07-03-2	0.5 to 1.0	2	-
TP02-07-03-3	1.0 to 1.4	18	BTEX, VPH, VOCs, EPH and Metals
TP02-07-03-4	1.4 to 2.2	8	-
TP02-07-03-5	2.2 to 2.4	4	-
TP02-07-04-1	0 to 0.5	4	-
TP02-07-04-2	0.5 to 1.0	4	-
TP02-07-04-3	1.0 to 2.0	32	BTEX, VPH, VOCs, EPH and Metals
TP02-07-05-1	0 to 0.6	0	-
TP02-07-05-2	0.6 to 1.1	12	BTEX, VPH, VOCs, EPH and Metals
TP02-07-05-3	1.1 to 1.7	78	-
TP02-07-05-4	1.7 to 2.1	76	-

Notes: BTEX - benzene, toluene, ethylbenzene, xylenes
 VPH - volatile petroleum hydrocarbons
 VOCs - volatile organic compounds
 LEPH/HEPH - light and heavy extractable petroleum hydrocarbons
 EPH - extractable petroleum hydrocarbons (not corrected for PAHs)
 - not analyzed

Table 3 (Cont.): Summary of Soil Samples for APEC #7

SAMPLE NUMBERS	DEPTH OF SAMPLES (m)	VAPOUR CONCENTRATION (ppm _v)	SAMPLE PARAMETERS
TP02-07-06-1	0.15 to 0.6	8	-
TP02-07-06-2	0.6 to 1.0	42	-
TP02-07-06-3	1.0 to 1.7	24	-
TP02-07-06-4	1.7 to 2.0	230	BTEX, VPH, VOCs, EPH and Metals
TP02-07-06-5	2.0 to 2.4	100	BTEX and VPH
TP02-07-07-1	0.1 to 0.5	0	-
TP02-07-07-2	0.5 to 1.0	22	-
TP02-07-07-3	1.0 to 2.0	32	BTEX, VPH, VOCs, LEPH/HEPH and Metals
TP02-07-07-4		duplicate TP02-07-07-3	BTEX, VPH, VOCs, LEPH/HEPH and Metals
TP02-07-08-1	0 to 0.5	2	-
TP02-07-08-2	0.5 to 1.2	27	-
TP02-07-08-3	1.2 to 2.0	25	BTEX, VPH, VOCs, EPH and Metals
TP02-07-09-1	0 to 0.5	0	-
TP02-07-09-2	0.5 to 1.1	22	-
TP02-07-09-3	1.1 to 2.0	70	BTEX, VPH, VOCs, EPH and Metals

Notes: BTEX - benzene, toluene, ethylbenzene, xylenes

VPH - volatile petroleum hydrocarbons

VOCs - volatile organic compounds

LEPH/HEPH - light and heavy extractable petroleum hydrocarbons

EPH - extractable petroleum hydrocarbons (not corrected for PAHs)

- not analyzed

Table 4: Summary of Soil Samples and Laboratory Analyses for APEC #10

SAMPLE NUMBERS	DEPTH OF SAMPLES (m)	VAPOUR CONCENTRATION (ppm _v)	ANALYTICAL PARAMETERS
BH02-10-01-1	0 to 0.6	32	-
BH02-10-01-2	0.6 to 1.0	58	LEPH/HEPH, PCBs and Metals
BH02-10-01-3	1.0 to 2.0	46	-
BH02-10-01-4	2.4 to 2.7	42	-
BH02-10-01-5	3.0 to 4.0	68	-
BH02-10-01-6	4.3 to 5.2	32	-
BH02-10-01-7		duplicate BH02-10-01-2	LEPH/HEPH and PCBs
TP02-10-01-1	0 to 0.25	22	EPH, PCBs and Metals
TP02-10-02-1	0 to 0.25	18	EPH, PCBs and Metals
TP02-10-03-1	0 to 0.25	20	EPH, PCBs and Metals
TP02-10-04-1	0 to 0.25	10	LEPH/HEPH, PCBs and Metals

Notes: LEPH/HEPH - light and heavy extractable petroleum hydrocarbons
 EPH - extractable petroleum hydrocarbons (not corrected for PAHs)
 PCBs - polychlorinated biphenyls
 - not analyzed

Table 5: Summary of Soil Samples and Laboratory Analyses for APEC #11

SAMPLE NUMBERS	DEPTH OF SAMPLES (m)	VAPOUR CONCENTRATION (ppm)	ANALYTICAL PARAMETERS
BH02-11-01-1	0 to 0.3	25	-
BH02-11-01-2	0.3 to 0.9	44	Metals
BH02-11-01-3	0.9 to 1.4	52	-
BH02-11-01-4	1.7 to 2.0	40	-
BH02-11-01-5	2.0 to 3.0	50	-
BH02-11-01-6	3.0 to 4.0	42	-
BH02-11-01-7	4.5 to 5.5	4	-
TP02-11-01-1	0 to 0.3	0	-
TP02-11-01-2	0.3 to 0.8	34	Metals
TP02-11-01-3	0.8 to 1.8	52	-
TP02-11-01-4	1.8 to 2.0	40	-
TP02-11-01-5		duplicate TP02-11-01-2	Metals
TP02-11-02-1	0.15 to 0.8	8	Metals
TP02-11-02-2	0.8 to 1.7	26	-
TP02-11-02-3	1.7 to 2.0	54	-

Notes: - not analyzed

Table 6: Summary of Soil Samples and Laboratory Analyses for APEC #12

SAMPLE NUMBERS	DEPTH OF SAMPLES (m)	VAPOUR CONCENTRATION (ppm _v)	ANALYTICAL PARAMETERS
BH02-12-01-1	0 to 0.5	4	VOCs
BH02-12-01-2	0.76 to 1.0	6	Metals
BH02-12-01-3	1.0 to 2.0	6	-
BH02-12-01-4	2.1 to 2.3	4	-
BH02-12-01-5	2.3 to 3.3	6	PAHs
BH02-12-01-6	3.3 to 4.3	6	-
BH02-12-01-7	4.5 to 5.5	2	PAHs
BH02-12-01-8		duplicate BH02-12-01-1	-
BH02-12-01-9		duplicate BH02-12-01-2	-
BH02-12-01-10		duplicate BH02-12-01-7	-
TP02-12-01-1	0 to 0.4	3	-
TP02-12-01-2	0.4 to 0.6	40	Metals
TP02-12-01-3	0.6 to 1.2	110	-
TP02-12-01-4	1.2 to 2.0	66	-
TP02-12-02-1	0 to 0.5	6	Metals
TP02-12-02-2	0.5 to 1.2	88	-
TP02-12-02-3	1.2 to 2.0	60	-
TP02-12-03-1	0.15 to 0.8	20	-
TP02-12-03-2	0.8 to 1.2	58	Metals
TP02-12-03-3	1.2 to 1.5	99	-
TP02-12-03-4	1.5 to 2.0	40	-
TP02-12-04-1	0.15 to 0.7	18	-
TP02-12-04-2	0.7 to 1.2	72	-
TP02-12-04-3	1.2 to 1.8	52	Metals
TP02-12-04-4	1.8 to 2.0	26	-
TP02-12-05-1	0 to 0.5	0	Metals
TP02-12-05-2	0.5 to 1.0	48	-
TP02-12-05-3	1.0 to 1.8	40	-
TP02-12-05-4		duplicate TP02-12-05-1	Metals
TP02-12-06-1	0 to 0.4	20	-
TP02-12-06-2	0.4 to 0.8	20	Metals
TP02-12-06-3	0.8 to 1.6	50	-
TP02-12-06-4	1.6 to 2.0	50	-

Notes: VOCs - volatile organic compounds
 PAH - polycyclic aromatic hydrocarbons
 - not analyzed

Table 7: Summary of Soil Samples and Laboratory Analyses for APEC #13

SAMPLE NUMBERS	DEPTH OF SAMPLES (m)	VAPOUR CONCENTRATION (ppm)	ANALYTICAL PARAMETERS
BH02-13-01-1	0 to 0.5	6	-
BH02-13-01-2	0.5 to 1.0	4	PAHs and Metals
BH02-13-01-3	1.2 to 2.2	4	-
BH02-13-01-4	2.4 to 2.7	8	-
BH02-13-01-5	3.0 to 4.0	4	-
BH02-13-01-6	4.3 to 5.2	6	-
TP02-13-01-1	0 to 0.4	0	-
TP02-13-01-2	0.4 to 0.6	20	PAHs and Metals
TP02-13-01-3	0.6 to 1.3	60	-
TP02-13-01-4	1.3 to 2.0	56	-
TP02-13-02-1	0.15 to 0.5	22	-
TP02-13-02-2	0.5 to 1.0	30	PAHs and Metals
TP02-13-02-3	1.0 to 1.8	30	-
TP02-13-02-4	1.8 to 2.0	48	-
TP02-13-02-5		duplicate TP02-13-02-2	PAHs
TP02-13-03-1	0.15 to 0.8	8	-
TP02-13-03-2	0.8 to 1.7	26	PAHs and Metals
TP02-13-03-3	1.7 to 2.0	54	-
TP02-13-01-1	0.15 to 0.5	18	-
TP02-13-04-2	0.5 to 1.0	34	PAHs and Metals
TP02-13-04-3	1.0 to 2.0	25	-

Notes: PAHs - polycyclic aromatic hydrocarbons
 - not analyzed

Table 8: Summary of Soil Samples and Laboratory Analyses for APEC #8

SAMPLE NUMBERS	DEPTH OF SAMPLES (m)	VAPOUR CONCENTRATION (ppm)	ANALYTICAL PARAMETERS
TP02-08-01-1	0 to 0.4	21	BTEX, VPH, VOCs, EPH, PCBs and Metals
TP02-08-01-2	0.4 to 1.0	26	-
TP02-08-01-3	1.0 to 1.8	32	-
TP02-08-01-4	1.8 to 2.0	30	-
TP02-08-02-1	0 to 0.25	16	-
TP02-08-02-2	0.25 to 1.0	2	BTEX, VPH, VOCs, LEPH/HEPH, PCBs and Metals
TP02-08-02-3	1.0 to 1.5	60	-
TP02-08-02-4	1.5 to 2.0	26	-
TP02-08-03-1	0.15 to 0.4	19	-
TP02-08-03-2	0.4 to 0.9	43	BTEX, VPH, VOCs, EPH, PCBs and Metals
TP02-08-03-3	1.0 to 2.0	30	-
TP02-08-04-1	0.15 to 0.4	20	-
TP02-08-04-2	0.4 to 0.5	34	-
TP02-08-04-3	0.5 to 1.0	43	BTEX, VPH, VOCs, EPH, PCBs and Metals
TP02-08-04-4	1.0 to 1.5	96	-
TP02-08-04-5	1.7 to 2.0	52	-

Notes: BTEX - benzene, toluene, ethylbenzene, xylenes
 VPH - volatile petroleum hydrocarbons
 VOCs - volatile organic compounds
 LEPH/HEPH - light and heavy extractable petroleum hydrocarbons
 EPH - extractable petroleum hydrocarbons (not corrected for PAHs)
 PCBs - polychlorinated biphenyls
 - not analyzed

Table 9: Summary of Soil Samples and Laboratory Analyses for APEC #17

SAMPLE NUMBERS	DEPTH OF SAMPLES (m)	VAPOUR CONCENTRATION (ppm _v)	ANALYTICAL PARAMETERS
BH02-17-01-1	0.2	31	-
BH02-17-01-2	0.15 to 0.5	0	-
BH02-17-01-3	0.5 to 0.9	32	LEPH/HEPH and Metals
BH02-17-01-4	0.9 to 1.3	18	-
BH02-17-01-5	1.3 to 1.8	10	-
BH02-17-01-6	1.8 to 2.1	14	-
BH02-17-01-7	2.1 to 2.7	16	-
BH02-17-01-8	3.3 to 3.8	28	-
BH02-17-01-9	3.8 to 4.2	11	-
BH02-17-01-10	4.2 to 5.2	9	-
TP02-17-01-1	0 to 0.5	14	-
TP02-17-01-2	0.5 to 0.9	64	LEPH/HEPH and Metals
TP02-17-01-3	0.9 to 1.8	11	-
TP02-17-01-4	1.8 to 2.0	120	-
TP02-17-02-1	0 to 0.5	16	-
TP02-17-02-2	0.5 to 1.2	22	-
TP02-17-02-3	1.2 to 1.7	90	EPH and Metals
TP02-17-02-4	1.7 to 2.0	75	-
TP02-17-03-1	0 to 0.5	28	-
TP02-17-03-2	0.5 to 0.9	17	EPH and Metals
TP02-17-03-3	0.9 to 1.7	72	-
TP02-17-03-4	1.7 to 2.0	34	-
TP02-17-01-1	0 to 0.5	6	-
TP02-17-04-2	0.5 to 1.0	14	EPH and Metals
TP02-17-04-3	1.0 to 1.6	84	-
TP02-17-04-4	1.6 to 2.0	72	-

Notes: LEPH/HEPH - light and heavy extractable petroleum hydrocarbons
 EPH - extractable petroleum hydrocarbons (not corrected for PAHs)
 - not analyzed

Table 10: Summary of Soil Samples and Laboratory Analyses for APEC #23 and #24

SAMPLE NUMBERS	DEPTH OF SAMPLES (m)	VAPOUR CONCENTRATION (ppm _v)	ANALYTICAL PARAMETERS
BH02-23-01-1	0.06 to 0.15	34	-
BH02-23-01-2	0.15 to 0.46	52	-
BH02-23-01-3	0.46 to 0.91	100	-
BH02-23-01-4	0.91 to 1.52	54	-
BH02-23-01-5	1.52 to 2.44	58	-
BH02-23-01-6	2.44 to 3.05	18	-
BH02-23-01-7	3.05 to 4.27	28	-
BH02-23-01-8	4.27 to 4.57	50	-
TP02-23-01-1	0 to 0.4	10	-
TP02-23-01-2	0.4 to 1.0	70	BTEX, VPH, VOCs, EPH, PCBs and Metals
TP02-23-01-3	1.0 to 1.8	67	-
TP02-23-01-4	1.8 to 2.0	30	-
TP02-23-02-1	0 to 0.4	2	-
TP02-23-02-2	0.4 to 1.2	22	BTEX, VPH, VOCs, EPH, PCBs and Metals
TP02-23-02-3	1.2 to 1.9	28	-
TP02-23-02-4	1.9 to 2.2	15	-
TP02-23-03-1	0.1 to 0.5	20	-
TP02-23-03-2	0.6 to 1.1	65	BTEX, VPH, VOCs, EPH, PCBs and Metals
TP02-23-03-3	1.1 to 2.0	16	-
TP02-23-04-1	0.1 to 0.25	0	-
TP02-23-04-2	0.25 to 0.5	28	-
TP02-23-04-3	0.5 to 0.9	33	BTEX, VPH, VOCs, EPH, PCBs and Metals
TP02-23-04-4	0.9 to 1.9	30	-
TP02-23-04-5		duplicate TP02-23-04-3	Metals

Notes: BTEX - benzene, toluene, ethylbenzene, xylenes
VPH - volatile petroleum hydrocarbons
VOCs - volatile organic compounds
LEPH/HEPH - light and heavy extractable petroleum hydrocarbons
EPH - extractable petroleum hydrocarbons (not corrected for PAHs)
PCBs - polychlorinated biphenyls
- not analyzed

Table 11: Summary of Soil Samples and Laboratory Analyses for APEC #27

SAMPLE NUMBERS	DEPTH OF SAMPLES (m)	VAPOUR CONCENTRATION (ppm _v)	ANALYTICAL PARAMETERS
BH02-27-01-1	0 to 0.3	30	-
BH02-27-01-2	0.3 to 0.7	38	-
BH02-27-01-3	0.7 to 1.5	46	-
BH02-27-01-4	1.5 to 1.8	38	BTEX, VPH, VOCs, EPH and Metals
BH02-27-01-5	2.0 to 3.0	44	-
BH02-27-01-6	3.0 to 4.0	32	-
BH02-27-01-7	5.0 to 6.0	34	-

Notes: BTEX - benzene, toluene, ethylbenzene, xylenes
 VPH - volatile petroleum hydrocarbons
 VOCs - volatile organic compounds
 EPH - extractable petroleum hydrocarbons (not corrected for PAHs)
 - not analyzed

Table 12: Groundwater Monitoring Well Installation Details

Location	Depth (m)		Elevation (m)						Install Date (mm/dd/yy)	Installation Details
	Borehole	Well	Ground	Top of Casing	Sand Pack		Screen			
					Top	Bottom	Top	Bottom		
BH02-07-02	7.62	3.05	17.86	18.616	1.22	3.05	1.52	3.05	05/09/02	5 cm dia., Sch. 40 PVC Casing and #20 Slot Screen, in 10/20 Silica Sand Pack, drilled by solid stem auger
BH02-07-03	4.50	2.90	17.63	18.090	0.50	2.90	0.76	2.90	05/09/02	
BH02-07-04	4.79	4.79	17.91	18.239	0.45	4.79	3.20	4.79	08/21/02	
BH02-07-05	3.00	2.92	17.92	18.637	0.45	2.70	0.45	2.92	08/21/02	
BH02-10-01	9.14	4.57	17.70	18.385	1.22	4.57	1.52	4.57	05/06/02	
BH02-11-01	10.67	4.27	17.39	17.688	0.91	4.27	1.22	4.27	05/07/02	
BH02-12-01	10.21	4.21	17.72	17.857	0.91	4.27	1.20	4.27	05/07/02	
BH03-12-01	4.60	4.40	17.72	18.196	0.90	4.40	0.90	4.40	05/07/03	
BH02-12-02	5.00	4.72	17.67	18.250	1.22	4.72	1.68	4.72	08/21/02	
BH02-12-03	5.00	4.72	17.42	18.170	1.22	4.72	1.68	4.72	08/21/02	
BH02-12-04	5.00	4.80	17.57	18.182	1.22	4.72	1.67	4.80	08/21/02	
BH02-12-05	4.72	4.72	17.45	18.010	1.22	4.72	1.67	4.72	08/21/02	
BH02-12-06	4.50	4.50	17.48	18.341	1.22	4.50	1.52	4.50	09/24/02	
BH02-13-01	9.14	3.04	17.31	18.083	1.22	3.04	1.52	3.04	05/06/02	
BH02-17-01	10.67	3.35	17.40	18.122	1.22	3.35	1.52	3.35	05/06/02	
BH02-23-01	4.57	4.27	19.38	19.276	0.91	4.27	1.22	4.27	05/09/02	
BH02-27-01	9.14	2.44	17.74	18.272	0.61	2.44	0.91	2.44	05/07/02	

Note: Elevations for ground and top of casing are geodetic elevation.

Table 13: Soil Laboratory Analytical Results for APEC #7

Analytical Parameter	CSR Standards		Units	BH02-07-01-3	BH02-07-02-4	BH02-07-02-9	BH02-07-02-4	BH02-07-02-5	BH02-07-03-4	TP02-07-01-3	TP02-07-02-2	TP02-07-03-3	TP02-07-04-3	TP02-07-05-2	TP02-07-06-4	TP02-07-06-5	TP02-07-07-3	TP02-07-07-4	TP02-07-08-3	TP02-07-09-3
	(RL)	(CL)		1.0 to 2.0 m 6 May 2002	1.5 to 2.3 m 9 May 2002	1.5 to 2.3 m 9 May 2002	PSC 9 May 2002	2.29 to 3.05 m 9 May 2002	1.8 to 2.1 m 9 May 2002	1.0 to 2.0 m 9 May 2002	0.5 to 0.65 m 9 May 2002	1.0 to 1.4 m 9 May 2002	1.0 to 2.0 m 9 May 2002	0.6 to 1.1 m 9 May 2002	1.7 to 2.0 m 9 May 2002	2.0 to 2.4 m 9 May 2002	1.0 to 2.0 m 13 May 2002	1.0 to 2.0 m 13 May 2002	1.2 to 2.0 m 13 May 2002	1.1 to 2.0 m 13 May 2002
PHYSICAL																				
pH	NS	NS		8.25	7.18	7.85	7.7	-	-	7.48	7.22	7.81	7.52	7.56	5.71	-	7.67	7.47	6.14	5.93
Moisture	-	-	%	14.2	22.7	15.7	15.7	36.8	31.2	12.8	7.7	14.2	11.6	11.7	56.8	76.4	17.2	14.3	17.3	59.7
HYDROCARBONS																				
Vapour Concentration			ppmv	4	900	900	900	-	220	32	50	18	32	12	230		32	32	25	70
Benzene	10 ¹	10 ¹	µg/g	<	0.12	0.34	0.09	0.13	<	<	<	<	<	<	<	0.38	<	<	<	<
Toluene	1.5 ²	25 ²	µg/g	<	0.15	0.74	<	0.039	<	0.076	0.037	0.039	<	<	0.19	0.20	<	<	<	<
Ethylbenzene	1 ⁴	20 ⁴	µg/g	<	3.1	2.7	0.71	0.069	<	0.061	0.029	0.065	<	<	1.7	1.1	<	<	<	<
Xylenes	5 ⁴	50 ⁴	µg/g	<	6.6	4.8	2.2	1.1	<	0.380	0.11	0.17	0.081	<	6.7	4.5	<	<	<	<
VPHs	200	200	µg/g	<	130	130	160	6.9	<	<	<	5.0	1.7	<	72	7.3	<	<	<	<
LEPH	1 000	2 000	µg/g	<	169	178	110	-	-	-	-	-	-	-	-	-	<	<	<	-
HEPH	1 000	5 000	µg/g	17	37	<	57	-	-	-	-	-	-	-	-	-	25	20	-	-
EPHs (C ₁₀ -C ₁₄)	NS	NS	µg/g	<	170	180	110	-	<	<	<	11	<	<	280	-	<	<	<	<
EPHs (C ₁₅ -C ₂₂)	NS	NS	µg/g	17	38	<	59	-	45	<	<	27	<	28	320	-	27	20	<	250
VOLATILE ORGANICS COMPOUNDS																				
Carbon tetrachloride	5	50	µg/g	<	<	<	<	-	<	<	<	<	<	<	<	-	<	<	<	<
Chlorobenzene	2	10	µg/g	<	<	<	<	<	<	<	<	<	<	<	<	-	<	<	<	<
Chloroform	5	50	µg/g	<	0.32	0.15	<	-	<	<	<	<	<	<	<	-	<	<	<	<
1,2-Dichlorobenzene	1	10	µg/g	<	<	<	<	<	<	<	<	<	<	<	<	-	<	<	<	<
1,3-Dichlorobenzene	1	10	µg/g	<	<	<	<	<	<	<	<	<	<	<	<	-	<	<	<	<
1,4-Dichlorobenzene	1	10	µg/g	<	<	<	<	<	<	<	<	<	<	<	<	-	<	<	<	<
1,1-Dichloroethane	5	50	µg/g	<	<	<	<	<	<	<	<	<	<	<	<	-	<	<	<	<
1,2-Dichloroethane	5	50	µg/g	<	<	<	<	<	<	<	<	<	<	<	<	-	<	<	<	<
1,1-Dichloroethene	5	50	µg/g	<	<	<	<	<	<	<	<	<	<	<	<	-	<	<	<	<
Dichloromethane	5	50	µg/g	<	<	<	<	<	<	<	<	<	<	<	<	-	<	<	<	<
1,2-Dichloropropane	5	50	µg/g	<	<	0.15	<	<	<	<	<	<	<	<	<	-	<	<	<	<
cis-1,3-Dichloropropene	5	50	µg/g	<	<	<	<	<	<	<	<	<	<	<	<	-	<	<	<	<
trans-1,3-Dichloropropene	5	50	µg/g	<	<	<	<	<	<	<	<	<	<	<	<	-	<	<	<	<
Tetrachloroethene	5	5 ¹	µg/g	<	<	<	<	<	<	<	<	<	<	<	<	-	<	<	<	<
1,1,1-Trichloroethane	5	50	µg/g	<	<	<	<	<	<	<	<	<	<	<	<	-	<	<	<	<
1,1,2-Trichloroethane	5	50	µg/g	<	1.2	1.4	<	<	<	<	<	<	<	<	<	-	<	<	<	<
Trichloroethene	0.65 ¹	0.65 ¹	µg/g	<	<	<	<	<	<	<	<	<	<	<	<	-	<	<	<	<
Styrene	5	50	µg/g	<	<	<	<	<	<	<	<	<	<	<	<	-	<	<	<	<
POLYCYCLIC AROMATIC HYDROCARBONS																				
Benzo(a)anthracene	1	10	µg/g	<	0.2	0.3	0.47	-	-	-	-	-	-	-	-	-	0.26	<	-	-
Benzo(b)fluoranthene	1	10	µg/g	<	0.2	0.4	0.38	-	-	-	-	-	-	-	-	-	<	0.10	-	-
Benzo(k)fluoranthene	1	10	µg/g	<	0.2	0.4	0.13	-	-	-	-	-	-	-	-	-	<	0.10	-	-
Benzo(a)pyrene	1 ¹	10 ²	µg/g	<	0.10	0.22	0.33	-	-	-	-	-	-	-	-	-	0.29	0.06	-	-
Dibenz(a,h)anthracene	1	10	µg/g	<	<	<	0.06	-	-	-	-	-	-	-	-	-	<	<	-	-
Indeno(1,2,3-c,d)pyrene	1	10	µg/g	<	<	0.1	0.17	-	-	-	-	-	-	-	-	-	0.1	<	-	-
Naphthalene	5	50	µg/g	<	<	0.58	0.77	-	-	-	-	-	-	-	-	-	0.29	<	-	-
Phenanthrene	5	50	µg/g	<	0.61	1.2	1.6	-	-	-	-	-	-	-	-	-	1.6	0.08	-	-
Pyrene	10	100	µg/g	<	0.34	0.65	0.84	-	-	-	-	-	-	-	-	-	1.0	0.12	-	-

Notes: Results reported in µg/g (ppm) unless otherwise stated

PSC - Philip Analytical Services Laboratory Duplicate Analyses

RL - Residential Land Use Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

CL - Commercial Land Use Standards; CSR

1 - Matrix numerical soil standard for groundwater flow to surface used by aquatic life from Schedule 5 of the CSR

2 - Matrix numerical soil standard for toxicity to soil invertebrates and plants from Schedule 5 of the CSR

VPH - Volatile Petroleum Hydrocarbons

LEPH - Light Extractable Petroleum Hydrocarbons

HEPH - Heavy Extractable Petroleum Hydrocarbons

EPH - Extractable Petroleum Hydrocarbons

< Sample concentration is below Method Detection Limit

- Sample not analyzed for specified parameter

NS - No Standard

BH02-07-02-9 is a duplicate of BH02-07-02-4

TP02-07-07-4 is a duplicate of TP02-07-07-3

Bold outlined cells indicate concentrations exceeding CSR/RL standards

Table 13 (Cont.): Soil Laboratory Analytical Results for APEC #7

Analytical Parameter	CSR Standards		Units	BH02-07-01-3	BH02-07-02-4	BH02-07-02-9	BH02-07-02-4	BH02-07-02-5	BH02-07-03-4	TP02-07-01-3	TP02-07-02-2	TP02-07-03-3	TP02-07-04-3	TP02-07-05-2	TP02-07-06-4	TP02-07-06-5	TP02-07-07-3	TP02-07-07-4	TP02-07-08-3	TP02-07-09-3
	(RL)	(CL)		1.0 - 2.0 m 6 May 2002	1.5 - 2.3 m 9 May 2002	1.5 - 2.3 m 9 May 2002	PSC 9 May 2002	2.29 - 3.05 m 9 May 2002	1.8 - 2.1 m 9 May 2002	1.0 - 2.0 m 9 May 2002	0.5 - 0.65 m 9 May 2002	1.0 - 1.4 m 9 May 2002	1.0 - 2.0 m 9 May 2002	0.6 - 1.1 m 9 May 2002	1.7 - 2.0 m 9 May 2002	2.0 - 2.4 m 9 May 2002	1.0 - 2.0 m 13 May 2002	1.0 - 2.0 m 13 May 2002	1.2 - 2.0 m 13 May 2002	1.1 - 2.0 m 13 May 2002
	METALS																			
Antimony	20	40	µg/g	<	0.8	1.0	0.1	-	-	0.8	0.8	0.7	0.9	1.1	0.6	-	1.2	7.9	0.7	0.9
Arsenic	20 ¹	20 ¹	µg/g	0.8	1.7	2.8	2.7	-	-	1.3	1.3	1.5	2.3	2.1	2.1	-	2.5	2.5	<	1.5
Barium	500	2,000	µg/g	25	59	55	55.6	-	-	44	51	56	50	87	69	-	85	85	41	58
Beryllium	4	8	µg/g	<	<	<	0.1	-	-	<	<	<	<	0.2	0.1	-	0.2	0.2	<	0.1
Cadmium	2 ^{1a} - 3S ³	2 ^{1a} - 100 ³	µg/g	<	<	<	0.07	-	-	<	<	<	<	<	<	-	0.1	<	<	0.1
Chromium	65 ¹	65 ¹	µg/g	10.6	13.7	19.6	10.4	-	-	11.0	13.8	12.7	12.5	16.7	6.5	-	18.4	18.6	8.1	9.7
Cobalt	50	300	µg/g	4.5	5.8	6.3	4.5	-	-	5.1	5.7	5.7	5.4	7.9	2.6	-	8.2	8.2	4.0	3.7
Copper	150 ²	200 ^{1a} - 250 ¹	µg/g	11.4	16.2	19.8	13.4	-	-	16.0	17.5	21.9	17.5	20.1	10.3	-	21.1	22.1	3.8	10.6
Lead	250 ^{1a} - 500 ³	250 ^{1a} - 1,000 ³	µg/g	0.9	5.9	7.5	7.1	-	-	2.9	4.2	7.8	7.5	40.2	3.5	-	52.9	39.9	1.0	2.8
Mercury	15 ³	40 ³	µg/g	<	<	<	<	-	-	<	<	<	<	<	<	-	<	<	<	<
Molybdenum	10	40	µg/g	<	0.8	1.1	0.5	-	-	<	0.6	0.6	0.7	1.0	1.1	-	0.9	1.0	<	1.3
Nickel	100	500	µg/g	3.9	6.7	9.3	6.0	-	-	5.2	7.2	9.8	6.3	8.8	5.4	-	10.0	9.9	5.5	5.2
Selenium	3	10	µg/g	<	<	<	<	-	-	<	<	<	<	<	<	-	<	<	<	<
Silver	20	40	µg/g	<	<	<	<	-	-	<	<	<	<	<	<	-	<	<	<	<
Tin	50	300	µg/g	<	0.8	1.8	0.3	-	-	0.6	0.6	0.6	0.5	0.9	<	-	0.9	1.1	<	0.8
Vanadium	200	NS	µg/g	42.2	34.5	39.9	29	-	-	39.4	38.0	40.7	38.3	41.3	10.5	-	41.8	42.5	16.5	22.4
Zinc	150 ^{1a} - 450 ⁴	150 ^{1a} - 600 ⁴	µg/g	18.6	36.7	43.9	36.6	-	-	26.6	33.1	44.0	36.9	77.9	109	-	83.0	76.1	25.5	62.4

Notes: Results reported in µg/g (ppm) unless otherwise stated

RL - Residential Land Use Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 172/2002; Ministry of
Water, Land and Air Protection; Victoria, British Columbia.

CL - Commercial Land Use Standards; CSR

1 - Matrix numerical soil standard for groundwater flow to surface used by aquatic life from Schedule 5 of the CSR

2 - Matrix numerical soil standard for toxicity to soil invertebrates and plants from Schedule 5 of the CSR

3 - Matrix numerical soil standard for intake of contaminated soil from Schedule 5 of the CSR

* Soil standards are pH dependant

< Sample concentration is below Method Detection Limit

* Sample not analyzed for specified parameter

NS - No Standard

BH02-07-02-9 is a duplicate of BH02-07-02-4

TP02-07-07-4 is a duplicate of TP02-07-07-3

Bold outlined cells indicate concentrations exceeding CSR/RL standards

Table 14: Soil Laboratory Analytical Results for APEC #10

Analytical Parameter	CSR Standards		Units	BH02-10-01-2	BH02-10-01-7	TP02-10-01-1	TP02-10-02-1	TP02-10-03-1	TP02-10-04-1
	(RL)	(CL)		0.6 to 1.0 m	0.6 to 1.0 m	0.0 to 0.25 m	0.0 to 0.25 m	0.0 to 0.25 m	0.0 to 0.25 m
				6 May 2002	6 May 2002	14 May 2002	14 May 2002	14 May 2002	14 May 2002
PHYSICAL									
pH	NS	NS		5.42	-	6.13	6.17	6.39	6.77
Moisture	-	-	%	66.8	73.4	7.2	5.0	7.7	6.5
HYDROCARBONS									
Vapour Concentration			ppm _v	58	58	22	18	20	10
LEPH	1000	2000	µg/g	110	130	-	-	-	<
HEPH	1000	5000	µg/g	860	1200	-	-	-	300
EPHs (C ₁₅ -C ₁₉)	NS	NS	µg/g	110	130	<	<	<	<
EPHs (C ₁₇ -C ₂₀)	NS	NS	µg/g	860	1200	<	12	26	300
POLYCYCLIC AROMATIC HYDROCARBONS									
Benzo(a)anthracene	1	10	µg/g	<	<	-	-	-	<
Benzo(b)fluoranthene	1	10	µg/g	<	<	-	-	-	0.2
Benzo(k)fluoranthene	1	10	µg/g	<	<	-	-	-	0.2
Benzo(a)pyrene	1 ¹	10 ²	µg/g	<	0.06	-	-	-	0.06
Dibenz(a,h)anthracene	1	10	µg/g	<	<	-	-	-	<
Indeno(1,2,3-c,d)pyrene	1	10	µg/g	<	<	-	-	-	<
Naphthalene	5	50	µg/g	<	<	-	-	-	<
Phenanthrene	5	50	µg/g	<	0.05	-	-	-	0.13
Pyrene	10	100	µg/g	0.05	0.12	-	-	-	0.16
POLYCHLORINATED BIPHENYLS									
PCB	5 ³	15 ³	µg/g	<	<	<	<	<	0.4
METALS									
Antimony	20	40	µg/g	0.8	-	1.1	0.9	1.3	1.0
Arsenic	20 ¹	20 ¹	µg/g	4.3	-	3.7	6.6	2.7	7.5
Barium	500	2,000	µg/g	89	-	56	50	68	51
Beryllium	4	8	µg/g	0.2	-	<	<	<	<
Cadmium	2 ¹	2 ¹	µg/g	0.4	-	0.5	0.2	0.6	0.1
Chromium	65 ¹	65 ¹	µg/g	12.2	-	15.7	13.1	22.6	15.4
Cobalt	50	300	µg/g	5.9	-	6.8	6.5	8.6	7.1
Copper	100 ^{1*} - 150 ²	100 ^{1*} - 250 ²	µg/g	32.5	-	90.9	34.2	48.0	93.6
Lead	150 ^{1*} - 500 ²	150 ^{1*} - 1,000 ²	µg/g	36.1	-	61.2	35.1	57.3	61.1
Mercury	15 ³	40 ³	µg/g	<	-	<	<	<	<
Molybdenum	10	40	µg/g	1.8	-	0.9	0.7	1.1	0.9
Nickel	100	500	µg/g	10.1	-	7.2	6.5	11.2	7.1
Selenium	3	10	µg/g	<	-	<	<	<	<
Silver	20	40	µg/g	<	-	0.3	<	<	<
Tin	50	300	µg/g	0.7	-	1.7	0.8	1.9	1.2
Vanadium	200	NS	µg/g	28.6	-	39.7	37.5	42.6	43.0
Zinc	150 ^{1*} - 450 ²	150 ^{1*} - 600 ²	µg/g	82.0	-	246	116	169	207

Notes: Results reported in µg/g (ppm) unless otherwise stated

RL - Residential Land Use Standards; *Contaminated Sites Regulation (CSR)*; B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

CL - Commercial Land Use Standards; CSR

1 - Matrix numerical soil standard for groundwater flow to surface used by aquatic life from Schedule 5 of the CSR

2 - Matrix numerical soil standard for toxicity to soil invertebrates and plants from Schedule 5 of the CSR

3 - Matrix numerical soil standard for intake of contaminated soil from Schedule 5 of the CSR

VPH - Volatile Petroleum Hydrocarbons

LEPH - Light Extractable Petroleum Hydrocarbons

HEPH - Heavy Extractable Petroleum Hydrocarbons

EPH - Extractable Petroleum Hydrocarbons

PCB - Polychlorinated Biphenyls

* Soil standards are pH dependent

< Sample concentration is below Method Detection Limit

¹ - Sample not analyzed for specified parameter

NS - No Standard

BH02-10-01-7 is a duplicate of BH02-10-01-2

Bold outlined cells indicate concentrations exceeding CSRR standards

Table 15: Soil Laboratory Analytical Results for APEC # 11

Analytical Parameter	CSR Standards		Units	BH02-11-01-2	TP02-11-01-2	TP02-11-01-5	TP02-11-02-1
	(RL)	(CL)		0.3 to 0.9 m	0.3 to 0.8 m	0.3 to 0.8 m	0.15 to 0.8 m
				07 May 2002	10 May 2002	10 May 2002	10 May 2002
PHYSICAL							
pH	NS	NS		6.33	5.22	6.72	6.74
Moisture	-	-	%	-	-	-	-
HYDROCARBONS							
Vapour Concentration			ppm _v	44	34	34	8
METALS							
Antimony	20	40	µg/g	0.9	1.2	0.8	0.8
Arsenic	20 ¹	20 ¹	µg/g	3.0	1.9	1.2	1.4
Barium	500	2,000	µg/g	87	59	50	41
Beryllium	4	8	µg/g	0.2	0.1	0.1	<
Cadmium	2 ¹	2 ¹	µg/g	0.2	<	<	<
Chromium	65 ¹	65 ¹	µg/g	17.2	15.0	14.1	11.2
Cobalt	50	300	µg/g	7.4	6.1	7.9	5.8
Copper	100 ^{1a} - 150 ²	100 ^{1a} - 250 ²	µg/g	24.4	16.6	16.3	18.6
Lead	150 ^{1a} - 500 ²	150 ^{1a} - 1,000 ³	µg/g	80.8	16.1	11.1	9.9
Mercury	15 ³	40 ³	µg/g	<	<	<	<
Molybdenum	10	40	µg/g	1.0	0.8	0.8	0.8
Nickel	100	500	µg/g	10.6	7.5	7.2	5.3
Selenium	3	10	µg/g	<	<	<	<
Silver	20	40	µg/g	<	<	<	<
Tin	50	300	µg/g	2.1	0.9	0.9	<
Vanadium	200	NS	µg/g	39.5	39.9	36.8	37.4
Zinc	150 ^{1a} - 450 ²	150 ^{1a} - 600 ²	µg/g	80.5	61.0	46.5	36.4

Notes: Results reported in µg/g (ppm) unless otherwise stated
RL - Residential Land Use Standards; *Contaminated Sites Regulation (CSR)*; B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.
CL - Commercial Land Use Standards; CSR
1 - Matrix numerical soil standard for groundwater flow to surface used by aquatic life from Schedule 5 of the CSR
2 - Matrix numerical soil standard for toxicity to soil invertebrates and plants from Schedule 5 of the CSR
3 - Matrix numerical soil standard for intake of contaminated soil from Schedule 5 of the CSR
^a Soil standards are pH dependant
< Sample concentration is below Method Detection Limit
- Sample not analyzed for specified parameter
NS - No Standard
TP02-11-01-5 is a duplicate of TP02-11-01-2
Bold outlined cells indicate concentrations exceeding CSR/RL standards

Table 16: Soil Laboratory Analytical Results for APEC #12

Analytical Parameter	CSR Standards		Units	BH02-12-01-1	BH02-12-01-2	BH02-12-01-3	BH02-12-01-4	BH02-12-01-5	BH02-12-01-7	BH02-12-01-10	TP02-12-01-2	TP02-12-02-1	TP02-12-03-2	TP02-12-04-3	TP02-12-05-1	TP02-12-05-4	TP02-12-06-2
	(RL)	(CL)		0.0 to 0.5 m	0.0 to 0.5 m	0.76 to 1.0 m	0.76 to 1.0 m	2.3 to 3.3 m	4.5 to 5.5 m	4.5 to 5.5 m	0.4 to 0.6 m	0.0 to 0.5 m	0.8 to 1.2 m	1.2 to 1.8 m	0.0 to 0.5 m	0.0 to 0.5 m	0.4 to 0.8 m
				07 May 2002	07 May 2002	07 May 2002	07 May 2002	07 May 2002	07 May 2002	07 May 2002	07 May 2002	10 May 2002	10 May 2002	10 May 2002	10 May 2002	10 May 2002	10 May 2002	10 May 2002
PHYSICAL																	
pH	NS	NS		-	-	6.75	7.01	-	-	-	5.85	7.36	6.20	4.47	8.10	8.32	6.68
Moisture	-	-	%	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HYDROCARBONS																	
Vapour Concentration			ppmv	4	4	6	6	6	2	2	40	6	58	52	0	0	20
Benzene	10 ¹	10 ¹	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	1.5 ²	25 ²	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	1 ²	20 ²	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes	5 ²	50 ²	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILE ORGANICS COMPOUNDS																	
Carbon tetrachloride	5	50	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	2	10	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	5	50	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	1	10	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	1	10	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	1	10	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethane	5	50	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	5	50	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
1,1-Dichloroethene	5	50	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
Dichloromethane	5	50	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloropropane	5	50	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
cis-1,3-Dichloropropene	5	50	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
trans-1,3-Dichloropropene	5	50	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	5	5	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
1,1,1-Trichloroethane	5	50	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
1,1,2-Trichloroethane	5	50	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	0.65 ³	0.65 ³	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	5	50	µg/g	<	<	-	-	-	-	-	-	-	-	-	-	-	-
POLYCYCLIC AROMATIC HYDROCARBONS																	
Benzo(a)anthracene	1	10	µg/g	-	-	-	-	<	<	<	-	-	-	-	-	-	-
Benzo(b)fluoranthene	1	10	µg/g	-	-	-	-	<	<	<	-	-	-	-	-	-	-
Benzo(k)fluoranthene	1	10	µg/g	-	-	-	-	<	<	<	-	-	-	-	-	-	-
Benzo(e)pyrene	1 ²	10 ²	µg/g	-	-	-	-	0.25	<	<	-	-	-	-	-	-	-
Dibenz(a,h)anthracene	1	10	µg/g	-	-	-	-	<	<	<	-	-	-	-	-	-	-
Indeno(1,2,3-c,d)pyrene	1	10	µg/g	-	-	-	-	<	<	<	-	-	-	-	-	-	-
Napthalene	5	50	µg/g	-	-	-	-	1.5	6.2	7.6	-	-	-	-	-	-	-
Phenanthrene	5	50	µg/g	-	-	-	-	0.17	0.08	0.05	-	-	-	-	-	-	-
Pyrene	10	100	µg/g	-	-	-	-	0.10	0.06	<	-	-	-	-	-	-	-

Notes: Results reported in µg/g (ppm) unless otherwise stated

RL - Residential Land Use Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

CL - Commercial Land Use Standards; CSR

1 - Matrix numerical soil standard for groundwater flow to surface used by aquatic life from Schedule 5 of the CSR

2 - Matrix numerical soil standard for toxicity to soil invertebrates and plants from Schedule 5 of the CSR

3 - Matrix numerical soil standard for intake of contaminated soil from Schedule 5 of the CSR

* Soil standards are pH dependent

< Sample concentration is below Method Detection Limit

- Sample not analyzed for specified parameter

NS - No Standard

BH02-12-01-3 is a duplicate of BH02-12-01-1

BH02-12-01-4 is a duplicate of BH02-12-01-2

BH02-12-01-10 is a duplicate of BH02-12-01-7

TP02-12-05-4 is a duplicate of TP02-12-05-1

Bold outlined cells indicate concentrations exceeding CSRR standards

Table 16 (Cont.): Soil Laboratory Analytical Results for APEC #12

Analytical Parameter	CSR Standards		Units	BH02-12-01-1	BH02-12-01-8	BH02-12-01-2	BH02-12-01-9	BH02-12-01-5	BH02-12-01-7	BH12-02-01-10	TP02-12-01-2	TP02-12-02-1	TP02-12-03-2	TP02-12-04-3	TP02-12-05-1	TP02-12-05-4	TP02-12-06-2
	(RL)	(CL)		0.0 - 0.5 m	0.0 - 0.5 m	0.76 - 1.0 m	0.76 - 1.0 m	2.3 - 3.3 m	4.5 - 5.5 m	4.5 - 5.5 m	0.4 - 0.6 m	0.0 - 0.5 m	0.8 - 1.2 m	1.2 - 1.8 m	0.0 - 0.5 m	0.0 - 0.5 m	0.4 - 0.8 m
				07 May 2002	07 May 2002	07 May 2002	07 May 2002	07 May 2002	07 May 2002	07 May 2002	07 May 2002	10 May 2002	10 May 2002	10 May 2002	10 May 2002	10 May 2002	10 May 2002
POLYCHLORINATED BIPHENYLS																	
PCB	5	15	µg/g	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METALS																	
Antimony	20	40	µg/g	-	-	0.8	0.8	-	-	-	<	0.7	1.0	<	0.8	0.9	0.7
Arsenic	20 ¹	20 ¹	µg/g	-	-	2.1	2.0	-	-	-	2.0	2.3	2.0	1.1	4.2	4.4	2.2
Barium	500	2,000	µg/g	-	-	64	63	-	-	-	63	68	62	27	61	55	58
Beryllium	4	8	µg/g	-	-	0.1	0.1	-	-	-	0.1	0.1	0.1	0.1	0.1	0.1	0.1
Cadmium	2 ¹ - 35 ¹	2 ¹ - 100 ¹	µg/g	-	-	0.1	<	-	-	-	<	0.1	<	<	0.1	0.1	<
Chromium	60	60	µg/g	-	-	16.3	15.4	-	-	-	15.3	14.0	16.7	2.4	16.8	16.4	14.1
Cobalt	50	300	µg/g	-	-	8.1	7.5	-	-	-	8.3	8.0	8.5	1.4	7.0	6.9	7.6
Copper	90 ¹ - 150 ¹	90 ¹ - 250 ¹	µg/g	-	-	21.2	21.8	-	-	-	19.4	31.9	22.5	6.3	22.7	19.3	19.5
Lead	150 ¹ - 500 ¹	150 ¹ - 1000 ¹	µg/g	-	-	21.3	27.2	-	-	-	21.8	46.4	24.8	0.6	20.5	18.0	14.7
Mercury	15	40	µg/g	-	-	<	<	-	-	-	<	<	<	<	<	<	<
Molybdenum	10	40	µg/g	-	-	1.0	1.0	-	-	-	1.0	0.8	0.9	0.6	0.7	0.7	0.8
Nickel	100	500	µg/g	-	-	9.0	8.6	-	-	-	8.9	8.6	9.2	2.7	10.6	10.8	8.0
Selenium	3	10	µg/g	-	-	<	<	-	-	-	<	<	<	1.0	<	<	<
Silver	20	40	µg/g	-	-	<	<	-	-	-	<	<	<	<	<	<	<
Tin	50	300	µg/g	-	-	0.7	0.7	-	-	-	0.8	1.0	0.9	<	1.3	1.2	0.8
Vanadium	200	NS	µg/g	-	-	40.6	38.4	-	-	-	37.9	36.9	39.5	11.6	35.3	36.2	35.9
Zinc	150 ¹ - 450 ¹	150 ¹ - 600 ¹	µg/g	-	-	65.4	65.3	-	-	-	57.4	61.3	64.8	48.0	58.5	55.0	55.4

Notes: Results reported in µg/g (ppm) unless otherwise stated

PCB - Polychlorinated Biphenyls

RL - Residential Land Use Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

CL - Commercial Land Use Standards; CSR

1 - Matrix numerical soil standard for groundwater flow to surface used by aquatic life from Schedule 5 of the CSR

2 - Matrix numerical soil standard for toxicity to soil invertebrates and plants from Schedule 5 of the CSR

3 - Matrix numerical soil standard for intake of contaminated soil from Schedule 5 of the CSR

* Soil standards are pH dependant

< Sample concentration is below Method Detection Limit

¹ - Sample not analyzed for specified parameter

NS - No Standard

BH02-12-01-8 is a duplicate of BH02-12-01-1

BH02-12-01-9 is a duplicate of BH02-12-01-2

BH02-12-01-10 is a duplicate of BH02-12-01-7

TP02-12-05-4 is a duplicate of TP02-12-05-1

Bold outlined cells indicate concentrations exceeding CSRRL standards

Table 17: Soil Laboratory Analytical Results for APEC #13

Analytical Parameter	CSR Standards		Units	BH02-13-01-2	TP02-13-01-2	TP02-13-02-2	TP02-13-02-5	TP02-13-03-2	TP02-13-04-2
	(RL)	(CL)		0.5 to 1.0 m	0.4 to 0.6 m	0.5 to 1.0 m	0.4 to 0.6 m	0.5 to 1.7 m	0.6 to 1.0 m
				06 May 2002	10 May 2002	10 May 2002	10 May 2002	10 May 2002	10 May 2002
PHYSICAL									
pH	NS	NS		6.32	7.56	7.03	-	6.37	6.87
Moisture	-	-	%	-	-	-	-	-	-
HYDROCARBONS									
Vapour Concentration			ppm _v	4	20	30	26	54	34
POLYCYCLIC AROMATIC HYDROCARBONS									
Benzo(a)anthracene	1	10	µg/g	<	<	<	<	<	<
Benzo(b)fluoranthene	1	10	µg/g	<	0.1	<	<	<	<
Benzo(k)fluoranthene	1	10	µg/g	<	0.1	<	<	<	<
Benzo(a)pyrene	1 ²	10 ²	µg/g	<	0.05	<	<	<	<
Dibenz(a,h)anthracene	1	10	µg/g	<	<	<	<	<	<
Indeno(1,2,3-c,d)pyrene	1	10	µg/g	<	<	<	<	<	<
Naphthalene	5	50	µg/g	<	<	<	<	<	<
Phenanthrene	5	50	µg/g	<	<	<	<	<	<
Pyrene	10	100	µg/g	<	0.12	<	<	0.06	<
METALS									
Antimony	20	40	µg/g	0.8	0.8	0.8	-	0.9	0.9
Arsenic	20 ¹	20 ¹	µg/g	1.3	2.1	1.5	-	1.5	1.8
Barium	500	2,000	µg/g	47	47	57	-	46	61
Beryllium	4	8	µg/g	0.1	0.1	<	-	0.1	0.1
Cadmium	2 ^{1*} - 25 ^{1*}	2 ^{1*} - 25 ^{1*}	µg/g	<	<	<	-	<	0.1
Chromium	65 ¹	65 ¹	µg/g	13.8	14.4	12.8	-	15.0	15.8
Cobalt	50	300	µg/g	7.2	7.4	6.1	-	7.6	7.4
Copper	150 ²	250 ²	µg/g	16.1	16.5	15.8	-	16.5	20.9
Lead	500 ³	1,000 ³	µg/g	8.7	9.7	4.1	-	8.0	9.4
Mercury	15 ³	40 ³	µg/g	<	<	<	-	<	<
Molybdenum	10	40	µg/g	0.7	0.9	<	-	0.9	0.8
Nickel	100	500	µg/g	7.1	7.1	6.2	-	7.2	8.3
Selenium	3	10	µg/g	<	<	<	-	<	<
Silver	20	40	µg/g	<	<	<	-	<	<
Tin	50	300	µg/g	<	0.7	0.6	-	1.0	0.6
Vanadium	200	NS	µg/g	34.8	36.4	39.7	-	37.1	39.9
Zinc	300 ^{4*} - 450 ^{4*}	300 ^{4*} - 600 ^{4*}	µg/g	46.8	54.8	40.0	-	48.0	51.6

Notes: Results reported in µg/g (ppm) unless otherwise stated

RL - Residential Land Use Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

CL - Commercial Land Use Standards; CSR

1 - Matrix numerical soil standard for groundwater flow to surface used by aquatic life from Schedule 5 of the CSR

2 - Matrix numerical soil standard for toxicity to soil invertebrates and plants from Schedule 5 of the CSR

3 - Matrix numerical soil standard for intake of contaminated soil from Schedule 5 of the CSR

* Soil standards are pH dependent

< Sample concentration is below Method Detection Limit

⁴ Sample not analyzed for specified parameter

NS - No Standard

TP02-13-02-5 is a duplicate of TP02-13-02-2

Bold outlined cells indicate concentrations exceeding CSR/CL standards

Table 18: Soil Laboratory Analytical Results for APEC #8

Analytical Parameter	CSR Standards		Units	TP02-08-01-1	TP02-08-02-2	TP02-08-03-2	TP02-08-04-3
	(RL)	(CL)		0.0 to 0.4 m	0.25 to 1.0 m	0.4 to 0.9 m	0.6 to 1.0 m
				13 May 2002	9 May 2002	9 May 2002	9 May 2002
PHYSICAL							
pH	NS	NS		7.11	9.25	6.18	6.28
Moisture	-	-	%	6.1	25.7	25.2	12.8
HYDROCARBONS							
Vapour Concentration			ppm _v	21	2	43	43
Benzene	10 ¹	10 ¹	µg/g	<	<	<	<
Toluene	1.5 ²	25 ²	µg/g	<	<	<	<
Ethylbenzene	1 ¹	20 ²	µg/g	<	<	<	<
Xylenes	5 ²	50 ²	µg/g	<	<	<	<
VPHs	200	200	µg/g	<	<	<	<
LEPH	1000	2000	µg/g	-	<	-	-
HEPH	1000	5000	µg/g	-	77	-	-
EPHs (C ₁₀ -C ₁₄)	NS	NS	µg/g	<	<	<	<
EPHs (C ₁₅ -C ₂₂)	NS	NS	µg/g	<	77	69	35
VOLATILE ORGANIC COMPOUNDS							
Carbon tetrachloride	5	50	µg/g	<	<	<	<
Chlorobenzene	2	10	µg/g	<	<	<	<
Chloroform	5	50	µg/g	<	<	<	<
1,2-Dichlorobenzene	1	10	µg/g	<	<	<	<
1,3-Dichlorobenzene	1	10	µg/g	<	<	<	<
1,4-Dichlorobenzene	1	10	µg/g	<	<	<	<
1,1-Dichloroethane	5	50	µg/g	<	<	<	<
1,2-Dichloroethane	5	50	µg/g	<	<	<	<
1,1-Dichloroethene	5	50	µg/g	<	<	<	<
Dichloromethane	5	50	µg/g	<	<	<	<
1,2-Dichloropropane	5	50	µg/g	<	<	<	<
cis-1,3-Dichloropropene	5	50	µg/g	<	<	<	<
trans-1,3-Dichloropropene	5	50	µg/g	<	<	<	<
Tetrachloroethene	5	5	µg/g	<	<	<	<
1,1,1-Trichloroethane	5	50	µg/g	<	<	<	<
1,1,2-Trichloroethane	5	50	µg/g	<	<	<	<
Trichloroethene	0.65 ¹	0.65 ¹	µg/g	<	<	<	<
Styrene	5	50	µg/g	<	<	<	<
POLYCYCLIC AROMATIC HYDROCARBONS							
Benzo(a)anthracene	1	10	µg/g	-	<	-	-
Benzo(b)fluoranthene	1	10	µg/g	-	<	-	-
Benzo(k)fluoranthene	1	10	µg/g	-	<	-	-
Benzo(a)pyrene	1 ¹	10 ²	µg/g	-	<	-	-
Dibenz(a,h)anthracene	1	10	µg/g	-	<	-	-
Indeno(1,2,3-c,d)pyrene	1	10	µg/g	-	<	-	-
Naphthalene	5	50	µg/g	-	<	-	-
Phenanthrene	5	50	µg/g	-	<	-	-
Pyrene	10	100	µg/g	-	<	-	-

Notes: Results reported in µg/g (ppm) unless otherwise stated

RL - Residential Land Use Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

CL - Commercial Land Use Standards; CSR

1 - Matrix numerical soil standard for groundwater flow to surface used by aquatic life from Schedule 5 of the CSR

2 - Matrix numerical soil standard for toxicity to soil invertebrates and plants from Schedule 5 of the CSR

VPH - Volatile Petroleum Hydrocarbons

LEPH - Light Extractable Petroleum Hydrocarbons

HEPH - Heavy Extractable Petroleum Hydrocarbons

EPH - Extractable Petroleum Hydrocarbons

< Sample concentration is below Method Detection Limit

- Sample not analyzed for specified parameter

NS - No Standard

Bold outlined cells indicate concentrations exceeding CSRR standards

Table 18 (Cont.): Soil Laboratory Analytical Results for APEC #8

Analytical Parameter	CSR Standards		Units	TP02-08-01-1	TP02-08-02-2	TP02-08-03-2	TP02-08-04-3
	(RL)	(CL)		0.0 - 0.4 m	0.25 - 1.0 m	0.4 - 0.9 m	0.6 - 1.0 m
				13 May 2002	9 May 2002	9 May 2002	9 May 2002
POLYCHLORINATED BIPHENYLS							
PCB	5 ³	15 ³	µg/g	<	<	<	<
METALS							
Antimony	20	40	µg/g	1.3	0.7	0.8	1.1
Arsenic	20 ¹	20 ¹	µg/g	3.3	2.8	1.7	1.9
Barium	500	2,000	µg/g	66	31	37	69
Beryllium	4	8	µg/g	0.1	0.1	0.1	0.2
Cadmium	2 ^{1a} - 35 ³	2 ^{1a} - 100 ³	µg/g	0.3	<	<	0.1
Chromium	65 ¹	65 ¹	µg/g	20.2	10.3	16.0	15.1
Cobalt	50	300	µg/g	7.6	5.6	3.2	7.2
Copper	150 ²	250 ²	µg/g	25.0	38.3	12.2	19.9
Lead	500 ³	1,000 ³	µg/g	18.6	5.6	11.3	22.4
Mercury	15 ³	40 ³	µg/g	<	<	<	<
Molybdenum	10	40	µg/g	0.9	0.9	1.4	0.9
Nickel	100	500	µg/g	10.1	5.0	5.9	8.4
Selenium	3	10	µg/g	<	<	<	<
Silver	20	40	µg/g	0.1	<	<	<
Tin	50	300	µg/g	1.4	<	1.0	<
Vanadium	200	NS	µg/g	42.8	31.6	36.0	40.7
Zinc	300 ^{1a} - 450 ²	300 ^{1a} - 600 ²	µg/g	72.5	57.8	23.2	53.8

Notes: Results reported in µg/g (ppm) unless otherwise stated

RL - Residential Land Use Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

CL - Commercial Land Use Standards; CSR

PCB - Polychlorinated Biphenyls

1 - Matrix numerical soil standard for groundwater flow to surface used by aquatic life from Schedule 5 of the CSR

2 - Matrix numerical soil standard for toxicity to soil invertebrates and plants from Schedule 5 of the CSR

3 - Matrix numerical soil standard for intake of contaminated soil from Schedule 5 of the CSR

* Soil standards are pH dependent

< Sample concentration is below Method Detection Limit

^{1a} Sample not analyzed for specified parameter

NS - No Standard

Bold outlined cells indicate concentrations exceeding CSR/RL standards

Table 19: Soil Laboratory Analytical Results for APEC #17

Analytical Parameter	CSR Standards		Units	BH02-17-01-3	TP02-17-01-2	TP02-17-02-3	TP02-17-03-2	TP02-17-04-2
	(RL)	(CL)		0.5 to 0.9 m 06 May 2002	0.5 to 0.9 m 10 May 2002	1.2 to 1.7 m 10 May 2002	0.5 to 0.9 m 10 May 2002	0.5 to 1.0 m 10 May 2002
PHYSICAL								
pH	NS	NS		5.87	7.61	5.25	5.95	6.68
Moisture	-	-	%	12.0	5.6	66.9	7.3	6.3
HYDROCARBONS								
Vapour Concentration			ppmv	32	64	90	17	14
LEPH	1000	2000	µg/g	15	<	-	-	-
HEPH	1000	5000	µg/g	130	<	-	-	-
EPHs (C ₁₀ -C ₁₄)	NS	NS	µg/g	15	<	<	<	<
EPHs (C ₁₀ -C ₁₂)	NS	NS	µg/g	130	<	770	<	27
POLYCYCLIC AROMATIC HYDROCARBONS								
Benzo(a)anthracene	1	10	µg/g	<	<	-	-	-
Benzo(b)fluoranthene	1	10	µg/g	<	<	-	-	-
Benzo(k)fluoranthene	1	10	µg/g	<	<	-	-	-
Benzo(e)pyrene	1 ²	10 ²	µg/g	<	<	-	-	-
Dibenz(a,h)anthracene	1	10	µg/g	<	<	-	-	-
Indeno(1,2,3-c,d)pyrene	1	10	µg/g	<	<	-	-	-
Naphthalene	5	50	µg/g	<	<	-	-	-
Phenanthrene	5	50	µg/g	0.12	<	-	-	-
Pyrene	10	100	µg/g	0.10	<	-	-	-
METALS								
Antimony	20	40	µg/g	0.6	0.6	<	0.9	0.8
Arsenic	20 ¹	20 ¹	µg/g	1.8	1.5	1.4	1.5	2.3
Barium	500	2,000	µg/g	43	31	37	45	46
Beryllium	4	8	µg/g	<	<	0.1	<	<
Cadmium	2 ^{1,2} - 25 ³	2 ^{1,2} - 25 ³	µg/g	<	0.1	<	0.2	0.2
Chromium	65 ¹	65 ¹	µg/g	10.6	9.3	3.3	11.1	12.0
Cobalt	50	300	µg/g	5.6	4.4	2.5	5.9	5.8
Copper	100 ^{1,2} - 150 ³	100 ^{1,2} - 250 ³	µg/g	13.9	16.0	8.4	22.4	21.0
Lead	150 ^{1,2} - 500 ³	150 ^{1,2} - 1,000 ³	µg/g	6.0	12.9	2.4	9.4	13.7
Mercury	15 ³	40 ³	µg/g	<	<	<	<	<
Molybdenum	10	40	µg/g	1.1	0.7	0.5	1.0	1.0
Nickel	100	500	µg/g	5.3	4.5	5.4	5.6	6.2
Selenium	3	10	µg/g	<	<	<	<	<
Silver	20	40	µg/g	<	<	<	<	<
Tin	50	300	µg/g	<	<	<	<	0.6
Vanadium	200	NS	µg/g	32.9	30.7	15.8	36.0	36.3
Zinc	150 ^{1,2} - 450 ³	150 ^{1,2} - 600 ³	µg/g	37.6	35.1	79.0	65.3	68.8

Notes: Results reported in µg/g (ppm) unless otherwise stated

RL - Residential Land Use Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

CL - Commercial Land Use Standards; CSR

1 - Matrix numerical soil standard for groundwater flow to surface used by aquatic life from Schedule 5 of the CSR

2 - Matrix numerical soil standard for toxicity to soil invertebrates and plants from Schedule 5 of the CSR

3 - Matrix numerical soil standard for intake of contaminated soil from Schedule 5 of the CSR

* Soil standards are pH dependent

< Sample concentration is below Method Detection Limit

^ Sample not analyzed for specified parameter

NS - No Standard

Bold outlined cells indicate concentrations exceeding CSR/RL standards

Table 20: Soil Laboratory Analytical Results for APEC #23

Analytical Parameter	CSR Standards		Units	TP02-23-01-2	TP02-23-02-2	TP02-23-03-2	TP02-23-04-3	TP02-23-04-5
	(RL)	(CL)		0.4 to 1.0 m	0.4 to 1.2 m	0.5 to 1.1 m	0.5 to 0.9 m	0.5 to 0.9 m
				13 May 2002	13 May 2002	13 May 2002	13 May 2002	13 May 2002
PHYSICAL								
pH	NS	NS		6.08	5.54	6.35	6.49	6.60
Moisture	-	-	%	26.9	26.9	19.4	9.1	-
HYDROCARBONS								
Vapour Concentration			ppm _v	70	22	65	33	33
Benzene	10 ¹	10 ¹	µg/g	<	<	<	<	-
Toluene	1.5 ²	25 ²	µg/g	<	<	<	<	-
Ethylbenzene	1 ²	20 ²	µg/g	<	<	<	<	-
Xylenes	5 ²	50 ²	µg/g	<	<	<	<	-
VPHs	200	200	µg/g	<	<	<	<	-
LEPH	1000	2000	µg/g	-	-	13	-	-
HEPH	1000	5000	µg/g	-	-	<	-	-
EPHs (C ₁₀ -C ₁₉)	NS	NS	µg/g	<	<	13	<	-
EPHs (C ₁₀ -C ₂₃)	NS	NS	µg/g	170	73	<	11	-
VOLATILE ORGANICS COMPOUNDS								
Carbon tetrachloride	5	50	µg/g	<	<	<	<	-
Chlorobenzene	2	10	µg/g	<	<	<	<	-
Chloroform	5	50	µg/g	<	<	<	<	-
1,2-Dichlorobenzene	1	10	µg/g	<	<	<	<	-
1,3-Dichlorobenzene	1	10	µg/g	<	<	<	<	-
1,4-Dichlorobenzene	1	10	µg/g	<	<	<	<	-
1,1-Dichloroethane	5	50	µg/g	<	<	<	<	-
1,2-Dichloroethane	5	50	µg/g	<	<	<	<	-
1,1-Dichloroethene	5	50	µg/g	<	<	<	<	-
Dichloromethane	5	50	µg/g	<	<	<	<	-
1,2-Dichloropropane	5	50	µg/g	<	<	<	<	-
cis-1,3-Dichloropropene	5	50	µg/g	<	<	<	<	-
trans-1,3-Dichloropropene	5	50	µg/g	<	<	<	<	-
Tetrachloroethene	5	5	µg/g	<	<	<	<	-
1,1,1-Trichloroethane	5	50	µg/g	<	<	<	<	-
1,1,2-Trichloroethane	5	50	µg/g	<	<	<	<	-
Trichloroethene	0.65 ¹	0.65 ¹	µg/g	<	<	<	<	-
Styrene	5	50	µg/g	<	<	<	<	-
POLYCYCLIC AROMATIC HYDROCARBONS								
Benzo(a)anthracene	1	10	µg/g	-	-	<	-	-
Benzo(b)fluoranthene	1	10	µg/g	-	-	0.1	-	-
Benzo(k)fluoranthene	1	10	µg/g	-	-	0.1	-	-
Benzo(e)pyrene	1 ²	10 ¹	µg/g	-	-	0.05	-	-
Dibenz(a,h)anthracene	1	10	µg/g	-	-	<	-	-
Indeno(1,2,3-c,d)pyrene	1	10	µg/g	-	-	<	-	-
Naphthalene	5	50	µg/g	-	-	<	-	-
Phenanthrene	5	50	µg/g	-	-	0.06	-	-
Pyrene	10	100	µg/g	-	-	0.1	-	-

Notes: Results reported in µg/g (ppm) unless otherwise stated

RL - Residential Land Use Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

CL - Commercial Land Use Standards; CSR

1 - Matrix numerical soil standard for groundwater flow to surface used by aquatic life from Schedule 5 of the CSR

2 - Matrix numerical soil standard for toxicity to soil invertebrates and plants from Schedule 5 of the CSR

VPH - Volatile Petroleum Hydrocarbons

LEPH - Light Extractable Petroleum Hydrocarbons

HEPH - Heavy Extractable Petroleum Hydrocarbons

EPH - Extractable Petroleum Hydrocarbons

< Sample concentration is below Method Detection Limit

- Sample not analyzed for specified parameter

NS - No Standard

TP02-23-04-5 is a duplicate of TP02-23-04-3

Bold outlined cells indicate concentrations exceeding CSRRRL standards

Table 20 (Cont.): Soil Laboratory Analytical Results for APEC #23

Analytical Parameter	CSR Standards		Units	TP02-23-01-2	TP02-23-02-2	TP02-23-03-2	TP02-23-04-3	TP02-23-04-6
	(RL)	(CL)		0.4 - 1.0 m	0.4 - 1.2 m	0.6 - 1.1 m	0.6 - 0.9 m	0.6 - 0.9 m
				13 May 2002	13 May 2002	13 May 2002	13 May 2002	13 May 2002
POLYCHLORINATED BIPHENYLS								
PCB	5 ³	15 ³	µg/g	<	<	<	<	-
METALS								
Antimony	20	40	µg/g	0.9	1.0	1.4	0.5	0.7
Arsenic	20 ¹	20 ¹	µg/g	2.9	2.8	3.2	1.5	1.7
Barium	500	2,000	µg/g	81	81	62	31	32
Beryllium	4	8	µg/g	0.2	0.2	0.1	<	<
Cadmium	2 ¹	2 ¹	µg/g	0.1	0.1	0.2	<	<
Chromium	65 ¹	65 ¹	µg/g	22.8	21.4	22.3	11.6	10.3
Cobalt	50	300	µg/g	7.8	7.2	6.3	5.1	5.1
Copper	150 ¹	200 ^{1a} - 250 ²	µg/g	17.1	15.4	115	24.6	19.6
Lead	250 ^{1a} - 500 ³	250 ¹ - 1,000 ³	µg/g	22.0	32.5	26.5	4.8	3.8
Mercury	15 ³	40 ³	µg/g	<	<	<	<	<
Molybdenum	10	40	µg/g	1.3	1.5	1.4	<	0.5
Nickel	100	500	µg/g	12.4	10.8	11.4	6.5	6.9
Selenium	3	10	µg/g	<	<	<	<	<
Silver	20	40	µg/g	<	0.1	0.1	<	<
Tin	50	300	µg/g	1.2	1.0	1.8	<	<
Vanadium	200	NS	µg/g	44.6	43.4	42.7	32.9	29.2
Zinc	150 ^{1a} - 450 ²	150 ¹ - 600 ²	µg/g	89.0	106	78.5	38.7	38.9

Notes: Results reported in µg/g (ppm) unless otherwise stated

RL - Residential Land Use Standards; *Contaminated Sites Regulation (CSR)*; B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

CL - Commercial Land Use Standards; CSR

PCB - Polychlorinated Biphenyls

1 - Matrix numerical soil standard for groundwater flow to surface used by aquatic life from Schedule 5 of the CSR

2 - Matrix numerical soil standard for toxicity to soil invertebrates and plants from Schedule 5 of the CSR

3 - Matrix numerical soil standard for intake of contaminated soil from Schedule 5 of the CSR

* Soil standards are pH dependant

< Sample concentration is below Method Detection Limit

* Sample not analyzed for specified parameter

NS - No Standard

TP02-23-04-5 is a duplicate of TP02-23-04-3

Bold outlined cells indicate concentrations exceeding CSRRL standards

Table 21: Soil Laboratory Analytical Results for APEC #27

Analytical Parameter	CSR Standards		Units	BH02-27-01-4 1.5 to 1.6 m 07 May 2002
	(RL)	(CL)		
PHYSICAL				
pH	NS	NS		5.84
Moisture	-	-	%	-
HYDROCARBONS				
Vapour Concentration			ppm _v	38
Benzene	10 ¹	10 ¹	µg/g	<
Toluene	1.5 ²	25 ²	µg/g	<
Ethylbenzene	1 ²	20 ²	µg/g	<
Xylenes	5 ²	50 ²	µg/g	<
VPHs	200	200	µg/g	<
LEPH	1000	2000	µg/g	<
HEPH	1000	5000	µg/g	43
EPHs (C ₁₀ -C ₁₉)	NS	NS	µg/g	<
EPHs (C ₁₀ -C ₂₅)	NS	NS	µg/g	43
VOLATILE ORGANICS COMPOUNDS				
Carbon tetrachloride	5	50	µg/g	<
Chlorobenzene	2	10	µg/g	<
Chloroform	5	50	µg/g	<
1,2-Dichlorobenzene	1	10	µg/g	<
1,3-Dichlorobenzene	1	10	µg/g	<
1,4-Dichlorobenzene	1	10	µg/g	<
1,1-Dichloroethane	5	50	µg/g	<
1,2-Dichloroethane	5	50	µg/g	<
1,1-Dichloroethene	5	50	µg/g	<
Dichloromethane	5	50	µg/g	<
1,2-Dichloropropane	5	50	µg/g	<
cis-1,3-Dichloropropene	5	50	µg/g	<
trans-1,3-Dichloropropene	5	50	µg/g	<
Tetrachloroethene	5	5	µg/g	<
1,1,1-Trichloroethane	5	50	µg/g	<
1,1,2-Trichloroethane	5	50	µg/g	<
Trichloroethene	0.65 ¹	0.65 ¹	µg/g	<
Styrene	5	50	µg/g	<
POLYCYCLIC AROMATIC HYDROCARBONS				
Benzo(a)anthracene	1	10	µg/g	<
Benzo(b)fluoranthene	1	10	µg/g	<
Benzo(k)fluoranthene	1	10	µg/g	<
Benzo(e)pyrene	1 ²	10 ²	µg/g	<
Dibenz(a,h)anthracene	1	10	µg/g	<
Indeno(1,2,3-c,d)pyrene	1	10	µg/g	<
Naphthalene	5	50	µg/g	<
Phenanthrene	5	50	µg/g	<
Pyrene	10	100	µg/g	<

Notes: Results reported in µg/g (ppm) unless otherwise stated
 RL - Residential Land Use Standards; *Contaminated Sites Regulation (CSR)*; B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.
 CL - Commercial Land Use Standards; *CSR*
 1 - Matrix numerical soil standard for groundwater flow to surface used by aquatic life from Schedule 5 of the *CSR*
 2 - Matrix numerical soil standard for toxicity to soil invertebrates and plants from Schedule 5 of the *CSR*
 VPH - Volatile Petroleum Hydrocarbons
 LEPH - Light Extractable Petroleum Hydrocarbons
 HEPH - Heavy Extractable Petroleum Hydrocarbons
 EPH - Extractable Petroleum Hydrocarbons
 < Sample concentration is below Method Detection Limit
¹ - Sample not analyzed for specified parameter
 NS - No Standard
 Bold outlined cells indicate concentrations exceeding *CSR/RL* standards

Table 21 (Cont.): Soil Laboratory Analytical Results for APEC #27

Analytical Parameter	CSR Standards		Units	BH02-27-01-4
	(RL)	(CL)		1.5 - 1.8 m 07 May 2002
METALS				
Antimony	20	40	µg/g	0.5
Arsenic	20 ¹	20 ¹	µg/g	0.9
Barium	500	2,000	µg/g	55
Beryllium	4	8	µg/g	0.1
Cadmium	2 ¹	2 ¹	µg/g	<
Chromium	65 ¹	65 ¹	µg/g	13.1
Cobalt	50	300	µg/g	5.0
Copper	150 ²	200 ¹	µg/g	7.8
Lead	250 ¹	250 ²	µg/g	2.8
Mercury	15 ³	40 ³	µg/g	<
Molybdenum	10	40	µg/g	0.6
Nickel	100	500	µg/g	7.9
Selenium	3	10	µg/g	<
Silver	20	40	µg/g	<
Tin	50	300	µg/g	0.9
Vanadium	200	NS	µg/g	26.6
Zinc	150 ¹	150 ¹	µg/g	35.9

Notes: Results reported in µg/g (ppm) unless otherwise stated

RL - Residential Land Use Standards; *Contaminated Sites Regulation (CSR)*; B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

CL - Commercial Land Use Standards; *CSR*

1 - Matrix numerical soil standard for groundwater flow to surface used by aquatic life from Schedule 5 of the *CSR*

2 - Matrix numerical soil standard for toxicity to soil invertebrates and plants from Schedule 5 of the *CSR*

3 - Matrix numerical soil standard for intake of contaminated soil from Schedule 5 of the *CSR*

* Soil standards are pH dependant

< Sample concentration is below Method Detection Limit

¹ Sample not analyzed for specified parameter

NS - No Standard

Bold outlined cells indicate concentrations exceeding *CSRRL* standards

Table 22: Soil Laboratory Analytical Results - Geotechnical Boreholes

Analytical Parameter	CSR Standards		Units	BH02-G-01-2	BH02-G-02-1	BH02-G-03-1
	(RL)	(CL)				
				9 May 2002	9 May 2002	9 May 2002
PHYSICAL						
pH				6.95	6.27	5.93
Moisture			%	-	-	-
METALS						
Antimony	20	40	µg/g	1.0	1.0	0.9
Arsenic	20 ¹	20 ¹	µg/g	1.9	1.9	2.4
Barium	500	2,000	µg/g	70	68	96
Beryllium	4	8	µg/g	0.1	0.1	0.2
Cadmium	2 ¹	2 ¹	µg/g	<	<	<
Chromium	65 ¹	65 ¹	µg/g	16.2	23.4	18.2
Cobalt	50	300	µg/g	7.7	7.5	8.7
Copper	150 ³	200 ^{1*} - 250 ²	µg/g	19.2	19.8	25.2
Lead	250 ^{1*} - 500 ³	250 ^{1*} - 1,000 ³	µg/g	23.8	5.6	2.8
Mercury	15 ³	40 ³	µg/g	<	<	<
Molybdenum	10	40	µg/g	0.9	1.5	1.0
Nickel	100	500	µg/g	8.4	9.3	10.6
Selenium	3	10	µg/g	<	<	<
Silver	20	40	µg/g	<	<	<
Tin	50	300	µg/g	1.0	1.7	<
Vanadium	200	NS	µg/g	39.8	42.8	44.9
Zinc	150 ^{1*} - 450 ⁴	150 ^{1*} - 600 ⁴	µg/g	109	42.5	40.6

Notes: Results reported in µg/g (ppm) unless otherwise stated

RL - Residential Land Use Standards; *Contaminated Sites Regulation (CSR)*; B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

CL - Commercial Land Use Standards; *CSR*

1 - Matrix numerical soil standard for groundwater flow to surface used by aquatic life from Schedule 5 of the *CSR*

2 - Matrix numerical soil standard for toxicity to soil invertebrates and plants from Schedule 5 of the *CSR*

3 - Matrix numerical soil standard for intake of contaminated soil from Schedule 5 of the *CSR*

* Soil standards are pH dependant

< Sample concentration is below Method Detection Limit

^ Sample not analyzed for specified parameter

NS - No Standard

Bold outlined cells indicate concentrations exceeding CSR/RL standards

Table 23: Groundwater Monitoring Results

Monitoring Well Locations	Elevations (m)		Water Level Data		Water Level Data		Water Level Data		Water Level Data		Water Level Data	
	Top of Pipe	Ground	22 May 2002		20 June 2002		27 August 2002		4 September 2002		27 November 2002	
			Depth to Water	Water Elevation	Depth to Water	Water Elevation	Depth to Water	Water Elevation	Depth to Water	Water Elevation	Depth to Water	Water Elevation
BH02-07-02	18.616	17.86	2.29	16.326	-	-	-	-	-	-	-	-
BH02-07-03	18.090	17.63	1.76	16.330	-	-	-	-	-	-	-	-
BH02-07-04	18.239	17.91	-	-	-	-	-	-	2.89	15.349	1.83	16.409
BH02-07-05	18.637	17.92	-	-	-	-	-	-	3.37	15.267	2.23	16.407
BH02-10-01	18.385	17.70	2.00	16.390	-	-	-	-	-	-	-	-
BH02-11-01	17.688	17.39	1.13	16.558	-	-	-	-	-	-	-	-
BH02-12-01	17.857	17.72	1.42	16.437	1.44	16.417	1.74	16.117	-	-	1.39	16.467
BH02-12-02	18.250	17.67	-	-	-	-	2.37	15.880	-	-	2.31	15.940
BH02-12-03	18.170	17.42	-	-	-	-	1.50	16.670	-	-	1.40	16.770
BH02-12-04	18.182	17.57	-	-	-	-	1.75	16.432	-	-	1.56	16.622
BH02-12-05	18.010	17.45	-	-	-	-	1.73	16.280	-	-	1.49	16.520
BH02-12-06	18.341	17.48	-	-	-	-	-	-	-	-	2.01	16.331
BH02-13-01	18.083	17.31	1.27	16.813	-	-	-	-	-	-	-	-
BH02-17-01	18.122	17.40	1.47	16.652	-	-	-	-	-	-	-	-
BH02-23-01	19.276	19.38	1.35	17.926	-	-	-	-	-	-	-	-
BH02-27-01	18.272	17.74	1.79	16.482	-	-	-	-	-	-	-	-

Notes: Relative elevations for ground and top of casing are geodetic elevation.

Depth to the water table measured from top of the PVC pipe.

- groundwater monitoring well not monitored

Table 23 (Cont.): Groundwater Monitoring Results

Monitoring Well Locations	Elevations (m)		Water Level Data		Water Level Data		Water Level Data		Water Level Data	
	Top of Pipe	Ground	22 January 2003		18 February 2003		20 May 2003		11 July 2003	
			Depth to Water	Water Elevation	Depth to Water	Water Elevation	Depth to Water	Water Elevation	Depth to Water	Water Elevation
BH02-07-02	18.616	17.86	-	-	-	-	-	-	-	-
BH02-07-03	18.090	17.63	1.63	16.460	-	-	-	-	2.08	16.010
BH02-07-04	18.239	17.91	1.89	16.349	-	-	-	-	2.22	16.019
BH02-07-05	18.637	17.92	2.29	16.347	-	-	-	-	2.62	16.017
BH02-10-01	18.385	17.70	1.97	16.415	-	-	-	-	2.12	16.265
BH02-11-01	17.688	17.39	1.15	16.538	-	-	-	-	1.31	16.378
BH02-12-01	17.857	17.72	1.31	16.547	1.34	16.517	-	-	-	-
BH03-12-01	18.196	17.72	-	-	-	-	1.58	16.616	1.70	16.496
BH02-12-02	18.250	17.67	2.29	15.960	2.29	15.567	2.27	15.980	2.42	15.830
BH02-12-03	18.170	17.42	1.29	16.880	-	-	1.27	16.900	1.38	16.790
BH02-12-04	18.182	17.57	1.53	16.652	-	-	1.36	16.822	1.51	16.672
BH02-12-05	18.010	17.45	1.37	16.640	-	-	1.44	16.570	1.63	16.380
BH02-12-06	18.341	17.48	1.89	16.451	1.94	15.917	1.75	16.591	1.88	16.461
BH02-13-01	18.083	17.31	1.23	16.853	-	-	-	-	1.85	16.233
BH02-17-01	18.122	17.40	1.49	16.632	-	-	-	-	1.61	16.512
BH02-23-01	19.276	19.38	1.02	-	-	-	-	-	2.30	16.976
BH02-27-01	18.272	17.74	1.69	16.582	-	-	-	-	2.07	16.202

Notes: Relative elevations for ground and top of casing are geodetic elevation.
Depth to the water table measured from top of the PVC pipe.
- groundwater monitoring well not monitored

Table 24: AEC #7 Groundwater Laboratory Analytical Results

Analytical Parameter	CSR	Units	BH02-07-02	BH02-07-04	BH02-07-03	BH02-07-05	BH02-07-04	BH02-07-06	BH02-07-05	BH02-07-04	BH02-07-05	BH02-07-06	
			22 May 2002	22 May 2002	22 May 2002	22 May 2002	27 Aug. 2002	27 Aug. 2002	27 Aug. 2002	4 Sept. 2002	27 Nov. 2002	27 Nov. 2002	27 Nov. 2002
PHYSICAL													
pH	NS	-	6.98	7.00	6.78	6.18	-	-	-	-	-	-	
Total Hardness	NS	as CaCO ₃	238	249	198	<	-	-	-	-	-	-	
HYDROCARBONS													
Benzene	4 000	µg/L	130	200	<	<	31	31	29	<	<	<	
Toluene	390	µg/L	5	6	<	<	<	<	<	<	<	<	
Ethylbenzene	2 000	µg/L	20	33	<	<	<	<	<	<	<	<	
Xylenes	NS	µg/L	67	110	<	<	7	6	6	<	<	<	
VPHs	1 500	µg/L	710	1 100	<	<	49	45	49	<	<	<	
LEPH	500	µg/L	179	669	35	<	-	-	-	<	<	<	
HEPH	NS	µg/L	<	119	51	<	-	-	-	<	<	<	
EPHs (C ₁₀ -C ₁₉)	5 000	µg/L	180	570	35	<	-	-	-	<	<	<	
EPHs (C ₁₀ -C ₂₀)	NS	µg/L	<	120	51	<	-	-	-	<	<	<	
VOLATILE ORGANICS COMPOUNDS													
MTBE	34 000 ¹	µg/L	-	-	-	-	-	-	-	<	<	<	
Carbon tetrachloride	130	µg/L	<	-	<	-	-	-	-	-	-	-	
Bromoform	20	µg/L	<	-	<	-	-	-	-	-	-	-	
Chloroform	20	µg/L	<	-	<	-	-	-	-	-	-	-	
Chlorobenzene	13	µg/L	<	-	<	-	-	-	-	-	-	-	
1,2-Dichlorobenzene	7	µg/L	<	-	<	-	-	-	-	-	-	-	
1,3-Dichlorobenzene	1 500	µg/L	<	-	<	-	-	-	-	-	-	-	
1,4-Dichlorobenzene	260	µg/L	<	-	<	-	-	-	-	-	-	-	
1,2-Dichloroethane	1 000	µg/L	<	-	<	-	-	-	-	-	-	-	
Dichloromethane	880	µg/L	<	-	<	-	-	-	-	-	-	-	
Tetrachloroethene	1 100	µg/L	<	-	<	-	-	-	-	-	-	-	
Trichloroethene	200	µg/L	<	-	<	-	-	-	-	-	-	-	
Styrene	720	µg/L	<	-	<	-	-	-	-	-	-	-	
POLYCYCLIC AROMATIC HYDROCARBONS													
Anthracene	1	µg/L	0.10	0.12	<	<	0.014	-	0.11	<	<	<	
Acenaphthene	60	µg/L	0.2	0.23	<	<	<	-	0.03	<	<	<	
Acridine	0.5	µg/L	<	<	<	<	<	-	<	<	<	<	
Benzo(a)anthracene	1	µg/L	0.32	0.38	0.05	0.03	0.050	-	0.26	0.026	0.021	0.019	
Benzo(a)pyrene	0.1	µg/L	0.21	0.25	<	<	0.015	-	0.19	0.014	0.011	<	
Chrysene	NS	µg/L	0.25	0.30	0.04	0.03	0.05	-	0.19	0.02	0.02	0.01	
Fluoranthene	2	µg/L	0.44	0.54	<	<	<	-	0.40	0.05	<	0.06	
Fluorene	120	µg/L	0.13	0.18	<	<	<	-	0.06	<	<	<	
Naphthalene	10	µg/L	0.41	0.42	<	<	<	-	<	0.20	<	<	
Phenanthrene	3	µg/L	0.35	0.41	0.02	<	0.05	-	0.48	0.05	0.03	0.02	
Pyrene	0.2	µg/L	0.47	0.57	<	<	0.04	-	0.44	0.06	0.05	0.05	
Quinoline	34	µg/L	0.07	0.07	<	<	<	-	<	<	<	<	

Notes: Results reported in µg/L (ppm) unless otherwise stated

VPH - Volatile Petroleum Hydrocarbons

LEPH - Light Extractable Petroleum Hydrocarbons

HEPH - Heavy Extractable Petroleum Hydrocarbons

AW - Aquatic Water Life Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 17/2002; Ministry of

Water, Land and Air Protection; Victoria, British Columbia.

1 - Standard to protect marine and/or estuarine aquatic life from Water Quality Standards for Methyl

Tertiary Butyl Ether (March 2002)

< Sample concentration is below Method Detection Limit

- Sample not analyzed for specified parameter

NS - No Standard

Sample BH02-07-04 collected on 22 May 2002 is a field duplicate of BH02-07-02

Sample BH02-07-05 collected on 22 May 2002 is a field duplicate of BH02-07-03

BH02-07-04 and BH02-07-05 were groundwater monitoring wells installed in the backfilled remedial excavation and first sampled on 4 September 2002.

Monitoring well BH02-07-02 was destroyed during the remedial excavation.

Sample BH02-07-06 collected on 27 August 2002 is a field duplicate of BH02-07-04

Sample BH02-07-06 collected on 27 November 2002 is a field duplicate of BH02-07-05

Bold outlined cells indicate concentrations exceeding CSRAW standards

Table 24 (Cont.): AEC #7 Groundwater Laboratory Analytical Results

Analytical Parameter	CSR	Units	BH02-07-02	BH02-07-04	BH02-07-03	BH02-07-05	BH02-07-04	BH02-07-06	BH02-07-05	BH02-07-04	BH02-07-05	BH02-07-06
	AW											
			22 May 2002	22 May 2002	22 May 2002	22 May 2002	27 Aug. 2002	27 Aug. 2002	27 Aug. 2002	4 Sept. 2002	27 Nov. 2002	27 Nov. 2002
POLYCHLORINATED BIPHENYLS												
PCB	NS	mg/L	-	-	-	-	-	-	-	-	-	-
METALS												
Antimony Dissolved	200	µg/L	2	<	3	<	-	-	-	-	-	-
Arsenic Dissolved	50	µg/L	<	<	<	<	-	-	-	-	-	-
Barium Dissolved	10 000	µg/L	190	190	150	<	-	-	-	-	-	-
Beryllium Dissolved	53	µg/L	<	<	<	<	-	-	-	-	-	-
Boron Dissolved	NS	µg/L	<	<	<	<	-	-	-	-	-	-
Cadmium Dissolved	0.6* to 0.8*	µg/L	<	<	<	<	-	-	-	-	-	-
Chromium Dissolved	90	µg/L	<	<	<	<	-	-	-	-	-	-
Cobalt Dissolved	9	µg/L	4	4	<	<	-	-	-	-	-	-
Copper Dissolved	80* to 90*	µg/L	38	8	47	2	-	-	-	-	-	-
Lead Dissolved	60* to 110*	µg/L	<	<	<	2	-	-	-	-	-	-
Mercury Dissolved	1	µg/L	<	<	<	<	-	-	-	-	-	-
Molybdenum Dissolved	10 000	µg/L	2	3	2	<	-	-	-	-	-	-
Nickel Dissolved	1 500	µg/L	32	33	21	<	-	-	-	-	-	-
Selenium Dissolved	10	µg/L	9	8	7	<	-	-	-	-	-	-
Silver Dissolved	15	µg/L	<	<	<	<	-	-	-	-	-	-
Thallium Dissolved	3	µg/L	<	<	<	<	-	-	-	-	-	-
Titanium Dissolved	1 000	µg/L	<	<	2	3	-	-	-	-	-	-
Zinc Dissolved	900* to 1 650*	µg/L	14	12	7	3	-	-	-	-	-	-

Notes: Results reported in µg/L (ppm) unless otherwise stated

AW - Aquatic Water Life Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

PCB - Polychlorinated Biphenyls

* Water standards based on sample hardness in mg/L CaCO₃

< Sample concentration is below Method Detection Limit

- Sample not analyzed for specified parameter

NS - No Standard

Sample BH02-07-04 collected on 22 May 2002 is a field duplicate of BH02-07-02

Sample BH02-07-05 collected on 22 May 2002 is a field duplicate of BH02-07-03

BH02-07-04 and BH02-07-05 were groundwater monitoring wells installed in the backfilled remedial excavation and first sampled on 4 September 2002.

Monitoring well BH02-07-02 was destroyed during the remedial excavation.

Sample BH02-07-06 collected on 27 August 2002 is a field duplicate of BH02-07-04

Sample BH02-07-06 collected on 27 November 2002 is a field duplicate of BH02-07-05

Bold outlined cells indicate concentrations exceeding CSRAW standards

Table 25: Groundwater Laboratory Analytical Results

Analytical Parameter	CSR AW	Units	BH02-10-01 22 May 2002	BH02-11-01 22 May 2002	BH02-12-01 22 May 2002	BH02-13-01 22 May 2002	BH02-17-01 22 May 2002	BH02-23-01 22 May 2002	BH02-27-01 22 May 2002
PHYSICAL									
pH	NS		6.21	6.24	6.60	6.21	6.25	6.41	6.30
Total Hardness	NS	as CaCO ₃	172	199	193	184	75	60	216
HYDROCARBONS									
Benzene	4 000	µg/L	-	-	-	-	-	<	<
Toluene	390	µg/L	-	-	-	-	-	<	<
Ethylbenzene	2 000	µg/L	-	-	-	-	-	<	<
Xylenes	NS	µg/L	-	-	-	-	-	<	<
VPHs	1 500	µg/L	-	-	-	-	-	<	<
LEPH	500	µg/L	67	-	-	-	100	<	<
HEPH	NS	µg/L	210	-	-	-	90	<	<
EPHs (C ₁₀ -C ₁₉)	5 000	µg/L	67	-	-	-	100	<	<
EPHs (C ₁₀ -C ₃₀)	NS	µg/L	210	-	-	-	90	<	<
VOLATILE ORGANICS COMPOUNDS									
Carbon tetrachloride	130	µg/L	-	-	-	-	-	<	<
Bromoform	20	µg/L	-	-	-	-	-	<	<
Chloroform	20	µg/L	-	-	-	-	-	<	<
Chlorobenzene	13	µg/L	-	-	-	-	-	<	<
1,2-Dichlorobenzene	7	µg/L	-	-	-	-	-	<	<
1,3-Dichlorobenzene	1 500	µg/L	-	-	-	-	-	<	<
1,4-Dichlorobenzene	260	µg/L	-	-	-	-	-	<	<
1,2-Dichloroethane	1 000	µg/L	-	-	-	-	-	<	<
Dichloromethane	980	µg/L	-	-	-	-	-	<	<
Tetrachloroethene	1 100	µg/L	-	-	-	-	-	<	<
Trichloroethene	200	µg/L	-	-	-	-	-	<	<
Styrene	720	µg/L	-	-	-	-	-	<	<
POLYCYCLIC AROMATIC HYDROCARBONS									
Anthracene	1	µg/L	<	-	-	<	<	<	<
Acenaphthene	60	µg/L	0.49	-	-	<	<	0.17	<
Acridine	0.5	µg/L	<	-	-	<	<	<	<
Benzo(a)anthracene	1	µg/L	<	-	-	<	<	<	<
Benzo(a)pyrene	0.1	µg/L	<	-	-	<	<	<	<
Chrysene	NS	µg/L	<	-	-	<	<	<	<
Fluoranthene	2	µg/L	<	-	-	<	<	<	<
Fluorene	120	µg/L	0.03	-	-	<	<	<	<
Naphthalene	10	µg/L	0.16	-	-	<	<	<	<
Phenanthrene	3	µg/L	0.03	-	-	<	<	<	<
Pyrene	0.2	µg/L	0.03	-	-	<	<	<	<
Quinoline	34	µg/L	<	-	-	<	<	<	<

Notes: Results reported in µg/L (ppm) unless otherwise stated

VPH - Volatile Petroleum Hydrocarbons

LEPH - Light Extractable Petroleum Hydrocarbons

HEPH - Heavy Extractable Petroleum Hydrocarbons

AW - Aquatic Water Life Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

< Sample concentration is below Method Detection Limit

- Sample not analyzed for specified parameter

NS - No Standard

Bold outlined cells indicate concentrations exceeding CSRAW standards

Table 25 (Cont.): Groundwater Laboratory Analytical Results

Analytical Parameter	CSR AW	Units	BH02-10-01 22 May 2002	BH02-11-01 22 May 2002	BH02-12-01 22 May 2002	BH02-13-01 22 May 2002	BH02-17-01 22 May 2002	BH02-23-01 22 May 2002	BH02-27-01 22 May 2002
POLYCHLORINATED BIPHENYLS									
PCB	NS	mg/L	<	-	-	-	-	<	-
METALS									
Antimony Dissolved	200	µg/L	<	<	<	<	<	<	2
Arsenic Dissolved	50	µg/L	<	<	<	<	<	<	<
Barium Dissolved	10 000	µg/L	130	190	150	160	90	<	170
Beryllium Dissolved	53	µg/L	<	<	<	<	<	<	<
Boron Dissolved	NS	µg/L	<	100	300	100	100	<	<
Cadmium Dissolved	0.3* - 0.6*	µg/L	<	<	<	<	<	<	<
Chromium Dissolved	90	µg/L	1	2	1	1	1	<	2
Cobalt Dissolved	9	µg/L	<	<	2	<	<	<	8
Copper Dissolved	30* - 90*	µg/L	4	2	5	4	15	7	3
Lead Dissolved	50* - 110*	µg/L	<	<	<	<	<	<	<
Mercury Dissolved	1	µg/L	<	<	<	<	<	<	<
Molybdenum Dissolved	10 000	µg/L	<	<	<	<	3	<	<
Nickel Dissolved	250* - 1,500*	µg/L	50	57	56	68	34	12	48
Selenium Dissolved	10	µg/L	7	9	10	7	<	<	9
Silver Dissolved	0.5* - 15*	µg/L	<	<	<	<	<	<	0.5
Thallium Dissolved	3	µg/L	<	<	<	<	<	<	<
Titanium Dissolved	1 000	µg/L	12	8	5	3	4	<	1
Zinc Dissolved	75* - 1,650*	µg/L	75	20	20	19	49	11	2

Notes: Results reported in µg/L (ppm) unless otherwise stated
AW - Aquatic Water Life Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 17/2002; Ministry of
Water, Land and Air Protection; Victoria, British Columbia.
PCB - Polychlorinated Biphenyls
* Water standards based on sample hardness in mg/L CaCO₃
< Sample concentration is below Method Detection Limit
- Sample not analyzed for specified parameter
NS - No Standard
Bold outlined cells indicate concentrations exceeding CSRAW standards

Table 26: AEC #12 Groundwater Laboratory Analytical Results

Analytical Parameter	CSR AW	Units	BH02-12-01 22 May 2002	BH02-12-01 20-Jun-02	BH02-12-01 27-Aug-02	BH02-12-06 27-Aug-02	BH02-12-01 27-Nov-02	BH02-12-07 27-Nov-02	BH02-12-01* 27-Nov-02	BH02-12-01* 22-Jan-03	BH02-12-01* 22-Jan-03	BH02-12-01 18-Feb-03	BH02-12-01* 18-Feb-03	BH02-12-01 20-May-03	BH02-12-01 11-Jul-03	BH02-12-02 27-Aug-02	BH02-12-02 27-Nov-02	BH02-12-02 22-Jan-03	BH02-12-02* 22-Jan-03
PHYSICAL																			
pH	NS	NS	6.60	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Hardness	NS	as CaCO ₃	193	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HYDROCARBONS																			
Benzene	4 000	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	390	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	2 000	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes	NS	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VPHs	1 500	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LEPH	500	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
HEPH	NS	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPHs (C ₁₀ -C ₁₉)	5 000	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
EPHs (C ₁₀ -C ₂₀)	NS	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILE ORGANICS COMPOUNDS																			
Carbon tetrachloride	130	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	20	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	20	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	13	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	7	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	1 500	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	260	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	1 000	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloromethane	980	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1 100	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	200	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	720	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
POLYCYCLIC AROMATIC HYDROCARBONS																			
Anthracene	1	µg/L	-	0.21	1.6	0.86	3.2	4.8	0.27	1.0	< 0.007	0.66	< 0.007	< 0.007	< 0.007	<	0.030	< 0.007	< 0.007
Acenaphthene	60	µg/L	-	2.36	3.1	0.01	4.0	7.1	1.3	3.6	0.47	1.1	0.37	< 0.01	< 0.01	3.0	4.5	4.6	1.6
Acridine	0.5	µg/L	-	<	0.33	0.08	0.72	0.36	<	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07	<	0.04	< 0.07	< 0.07
Benzo(a)anthracene	1	µg/L	-	0.06	2.5	1.1	2.7	8.2	0.057	1.9	0.050	0.79	0.008	< 0.006	< 0.006	0.10	0.049	0.073	0.057
Benzo(a)pyrene	0.1	µg/L	-	0.03	1.8	0.81	1.9	5.7	<	1.6	< 0.005	0.16	< 0.005	< 0.005	< 0.005	0.092	0.029	0.011	< 0.005
Chrysene	NS	µg/L	-	0.03	2.4	1.1	4.5	8.3	0.14	3.0	< 0.01	0.66	< 0.01	< 0.01	< 0.01	0.10	0.04	< 0.01	0.08
Fluoranthene	2	µg/L	-	0.35	6.0	2.7	5.6	12	<	3.9	< 0.04	1.5	< 0.04	< 0.04	< 0.04	0.09	0.09	< 0.04	< 0.04
Fluorene	120	µg/L	-	1.35	2.7	1.9	2.8	6.2	0.25	0.47	0.84	0.05	< 0.02	< 0.02	< 0.02	0.65	1.3	0.96	0.05
Naphthalene	10	µg/L	-	24	99	120	39	60	26	28	10	7.7	18	< 0.07	< 0.07	0.09	102	51	44
Phenanthrene	3	µg/L	-	1.58	8.2	4.4	11	18	0.08	6.3	0.02	2.5	0.04	< 0.01	< 0.01	0.14	0.22	0.19	0.02
Pyrene	0.2	µg/L	-	0.29	5.8	2.6	6.6	12	0.04	3.6	< 0.02	1.3	< 0.02	< 0.02	< 0.02	0.08	0.12	< 0.02	< 0.02
Quinoline	34	µg/L	-	0.15	0.08	0.07	<	0.13	<	< 0.06	< 0.06	0.07	0.06	< 0.06	< 0.06	<	<	< 0.06	< 0.06

Notes: Results reported in µg/L (ppm) unless otherwise stated

VPH - Volatile Petroleum Hydrocarbons

LEPH - Light Extractable Petroleum Hydrocarbons

HEPH - Heavy Extractable Petroleum Hydrocarbons

AW - Aquatic Water Life Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 17/2002; Ministry of

Water, Land and Air Protection; Victoria, British Columbia.

< Sample concentration is below Method Detection Limit

* Sample not analyzed for specified parameter

NS - No Standard

Sample BH02-12-07 collected on 27 November 2002 is a field duplicate of BH02-07-01

Sample BH02-12-01* collected on 27 November 2002 is a field duplicate of BH02-12-01 that was filtered by the laboratory prior to analysis.

Sample BH02-12-01* collected on 22 January 2003 is a field duplicate of BH02-12-01 that was filtered by the laboratory prior to analysis.

Sample BH02-12-02* collected on 22 January 2003 is a field duplicate of BH02-12-02 that was filtered by the laboratory prior to analysis.

Sample BH02-12-06* collected on 22 January 2003 is a field duplicate of BH02-12-06 that was filtered by the laboratory prior to analysis.

Sample BH02-12-01* collected on 18 February 2003 is a field duplicate of BH02-12-01 that was filtered by the laboratory prior to analysis.

Sample BH02-12-02* collected on 18 February 2003 is a field duplicate of BH02-12-02 that was filtered by the laboratory prior to analysis.

Sample BH02-12-06* collected on 18 February 2003 is a field duplicate of BH02-12-06 that was filtered by the laboratory prior to analysis.

Bold outlined cells indicate concentrations exceeding CSRAW standards

Table 26 (Cont.): AEC #12 Groundwater Laboratory Analytical Results

Analytical Parameter	CSR AW	Units	BH02-12-01 22-May-02	BH02-12-01 20-Jun-02	BH02-12-01 27-Aug-02	BH02-12-06 27-Aug-02	BH02-12-01 27-Nov-02	BH02-12-07 27-Nov-02	BH02-12-01* 27-Nov-02	BH02-12-01 22-Jan-03	BH02-12-01* 22-Jan-03	BH02-12-01 18-Feb-03	BH02-12-01* 18-Feb-03	BH02-12-01 20-May-03	BH02-12-01 11-Jul-03	BH02-12-02 27-Aug-02	BH02-12-02 27-Nov-02	BH02-12-02 22-Jan-03	BH02-12-02* 22-Jan-03
POLYCHLORINATED BIPHENYLS																			
PCB	NS	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
METALS																			
Antimony Dissolved	200	µg/L	<	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic Dissolved	50	µg/L	<	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium Dissolved	10 000	µg/L	150	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium Dissolved	53	µg/L	<	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron Dissolved	NS	µg/L	300	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium Dissolved	0.6* to 0.8*	µg/L	<	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium Dissolved	90	µg/L	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt Dissolved	9	µg/L	2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper Dissolved	80* to 90*	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead Dissolved	60* to 110*	µg/L	<	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury Dissolved	1	µg/L	<	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum Dissolved	10 000	µg/L	<	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel Dissolved	1 500	µg/L	56	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium Dissolved	10	µg/L	10	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver Dissolved	15	µg/L	<	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium Dissolved	3	µg/L	<	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Titanium Dissolved	1 000	µg/L	5	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc Dissolved	900* to 1 650*	µg/L	20	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes: Results reported in µg/L (ppm) unless otherwise stated

AW - Aquatic Water Life Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

PCB - Polychlorinated Biphenyls

* Water standards based on sample hardness in mg/L CaCO₃

< Sample concentration is below Method Detection Limit

- Sample not analyzed for specified parameter

NS - No Standard

Sample BH02-12-07 collected on 27 November 2002 is a field duplicate of BH02-07-01

Sample BH02-12-01* collected on 27 November 2002 is a field duplicate of BH02-12-01 that was filtered by the laboratory prior to analysis.

Sample BH02-12-01* collected on 22 January 2003 is a field duplicate of BH02-12-01 that was filtered by the laboratory prior to analysis.

Sample BH02-12-02* collected on 22 January 2003 is a field duplicate of BH02-12-02 that was filtered by the laboratory prior to analysis.

Sample BH02-12-06* collected on 22 January 2003 is a field duplicate of BH02-12-06 that was filtered by the laboratory prior to analysis.

Sample BH02-12-01* collected on 18 February 2003 is a field duplicate of BH02-12-01 that was filtered by the laboratory prior to analysis.

Sample BH02-12-02* collected on 18 February 2003 is a field duplicate of BH02-12-02 that was filtered by the laboratory prior to analysis.

Sample BH02-12-06* collected on 18 February 2003 is a field duplicate of BH02-12-06 that was filtered by the laboratory prior to analysis.

Bold outlined cells indicate concentrations exceeding CSRAW standards

Table 26 (Cont.): AEC #12 Groundwater Laboratory Analytical Results

Analytical Parameter	CSR AW	Units	BH02-12-02 18-Feb-03	BH02-12-02* 18-Feb-03	BH02-12-03 27-Aug-02	BH02-12-03 27-Nov-02	BH02-12-04 27-Aug-02	BH02-12-04 27-Nov-02	BH02-12-05 27-Aug-02	BH02-12-05 27-Nov-02	BH02-12-06 27-Nov-02	BH02-12-06 22-Jan-03	BH02-12-06* 22-Jan-03	BH02-12-06 18-Feb-03	BH02-12-06* 18-Feb-03
PHYSICAL															
pH	NS	NS	-	-	-	-	-	-	-	-	-	-	-	-	-
Total Hardness	NS	as CaCO ₃	-	-	-	-	-	-	-	-	-	-	-	-	-
HYDROCARBONS															
Benzene	4 000	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Toluene	390	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Ethylbenzene	2 000	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Xylenes	NS	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
VPHs	1 500	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
LEPH	500	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
HEPH	NS	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
EPHs (C ₁₀ -C ₁₂)	5 000	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
EPHs (C ₁₃ -C ₂₂)	NS	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
VOLATILE ORGANICS COMPOUNDS															
Carbon tetrachloride	130	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Bromoform	20	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chloroform	20	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chlorobenzene	13	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichlorobenzene	7	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
1,3-Dichlorobenzene	1 500	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
1,4-Dichlorobenzene	260	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
1,2-Dichloroethane	1 000	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Dichloromethane	950	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Tetrachloroethene	1 100	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Trichloroethene	200	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Styrene	720	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
POLYCYCLIC AROMATIC HYDROCARBONS															
Anthracene	1	µg/L	<0.007	<0.007	<	<	0.20	0.40	<	<	1.2	0.30	<0.007	0.058	<0.007
Acenaphthene	60	µg/L	0.54	0.51	<	<	4.8	9.5	0.01	0.05	0.39	0.16	<0.01	<0.01	0.07
Acridine	0.5	µg/L	<0.07	<0.07	<	<	<	<	<	<	0.05	<0.07	<0.07	<0.07	<0.07
Benzo(a)anthracene	1	µg/L	<0.006	0.012	<	0.014	0.006	0.073	<	<	2.3	1.0	0.035	0.18	<0.006
Benzo(a)pyrene	0.1	µg/L	<0.005	<0.005	<	0.007	0.038	0.025	<	0.035	1.5	0.45	<0.005	0.011	<0.005
Chrysene	NS	µg/L	<0.01	<0.01	<	0.02	0.02	0.04	<	0.06	2.4	0.09	<0.01	<0.01	<0.01
Fluoranthene	2	µg/L	<0.04	<0.04	<	<	0.05	0.22	<	0.06	0.06	1.3	<0.04	0.12	<0.04
Fluorene	120	µg/L	0.54	0.05	<	<	2.48	2.4	<	<	0.90	0.31	<0.02	0.03	<0.02
Naphthalene	10	µg/L	4.3	4.7	0.06	<	0.56	6.4	0.11	2.2	0.23	0.20	0.11	0.14	0.36
Phenanthrene	3	µg/L	0.03	0.04	0.02	0.03	0.26	1.2	0.02	<	4.6	1.9	<0.01	0.20	0.03
Pyrene	0.2	µg/L	<0.02	<0.02	<	0.05	0.02	0.18	<	0.09	4.5	1.4	<0.02	<0.02	<0.02
Quinoline	34	µg/L	<0.06	<0.06	<	<	<	<	<	<	<	<0.06	<0.06	<0.06	<0.06

Notes: Results reported in µg/L (ppm) unless otherwise stated

VPH - Volatile Petroleum Hydrocarbons

LEPH - Light Extractable Petroleum Hydrocarbons

HEPH - Heavy Extractable Petroleum Hydrocarbons

AW - Aquatic Water Life Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 17/2002; Ministry of

Water, Land and Air Protection; Victoria, British Columbia.

< Sample concentration is below Method Detection Limit

^ Sample not analyzed for specified parameter

NS - No Standard

Sample BH02-12-07 collected on 27 November 2002 is a field duplicate of BH02-07-01

Sample BH02-12-01* collected on 27 November 2002 is a field duplicate of BH02-12-01 that was filtered by the laboratory prior to analysis.

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Sample BH02-12-02* collected on 22 January 2003 is a field duplicate of BH02-12-02 that was filtered by the laboratory prior to analysis.

Sample BH02-12-06* collected on 22 January 2003 is a field duplicate of BH02-12-06 that was filtered by the laboratory prior to analysis.

Sample BH02-12-01* collected on 18 February 2003 is a field duplicate of BH02-12-01 that was filtered by the laboratory prior to analysis.

Sample BH02-12-02* collected on 18 February 2003 is a field duplicate of BH02-12-02 that was filtered by the laboratory prior to analysis.

Sample BH02-12-06* collected on 18 February 2003 is a field duplicate of BH02-12-06 that was filtered by the laboratory prior to analysis.

Bold outlined cells indicate concentrations exceeding CSRAW standards

Table 26 (Cont.): AEC #12 Groundwater Laboratory Analytical Results

Analytical Parameter	CSR	Units	BH02-12-02	BH02-12-02*	BH02-12-03	BH02-12-03	BH02-12-04	BH02-12-04	BH02-12-05	BH02-12-05	BH02-12-06	BH02-12-06	BH02-12-06*	BH02-12-06	BH02-12-06*
	AW		18-Feb-03	18-Feb-03	27-Aug-02	27-Nov-02	27-Aug-02	27-Nov-02	27-Aug-02	27-Nov-02	27-Nov-02	22-Jan-03	22-Jan-03	18-Feb-03	18-Feb-03
POLYCHLORINATED BIPHENYLS															
PCB	NS	mg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
METALS															
Antimony Dissolved	200	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Arsenic Dissolved	50	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Barium Dissolved	10 000	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Beryllium Dissolved	53	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Boron Dissolved	NS	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cadmium Dissolved	0.6* to 0.8*	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Chromium Dissolved	90	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Cobalt Dissolved	9	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Copper Dissolved	80* to 90*	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Lead Dissolved	60* to 110*	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Mercury Dissolved	1	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum Dissolved	10 000	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Nickel Dissolved	1 500	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Selenium Dissolved	10	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Silver Dissolved	15	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Thallium Dissolved	3	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Titanium Dissolved	1 000	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-
Zinc Dissolved	900* to 1 650*	µg/L	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes: Results reported in µg/L (ppm) unless otherwise stated

AW - Aquatic Water Life Standards; Contaminated Sites Regulation (CSR); B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

PCB - Polychlorinated Biphenyls

* Water standards based on sample hardness in mg/L CaCO₃

< Sample concentration is below Method Detection Limit

- Sample not analyzed for specified parameter

NS - No Standard

Sample BH02-12-07 collected on 27 November 2002 is a field duplicate of BH02-07-01

Sample BH02-12-01* collected on 27 November 2002 is a field duplicate of BH02-12-01 that was filtered by the laboratory prior to analysis.

Sample BH02-12-01* collected on 22 January 2003 is a field duplicate of BH02-12-01 that was filtered by the laboratory prior to analysis.

Sample BH02-12-02* collected on 22 January 2003 is a field duplicate of BH02-12-02 that was filtered by the laboratory prior to analysis.

Sample BH02-12-06* collected on 22 January 2003 is a field duplicate of BH02-12-06 that was filtered by the laboratory prior to analysis.

Sample BH02-12-01* collected on 18 February 2003 is a field duplicate of BH02-12-01 that was filtered by the laboratory prior to analysis.

Sample BH02-12-02* collected on 18 February 2003 is a field duplicate of BH02-12-02 that was filtered by the laboratory prior to analysis.

Sample BH02-12-06* collected on 18 February 2003 is a field duplicate of BH02-12-06 that was filtered by the laboratory prior to analysis.

Bold outlined cells indicate concentrations exceeding CSRAW standards

Table 27: Soil Laboratory Analytical Results for AEC #7 Remedial Excavation

Analytical Parameter	CSR Standards		Units	AEC 7-N-1	AEC 7-N-2	AEC 7-S-1	AEC 7-E-1	AEC 7-E-2	AEC 7-W-1
	(RL)	(CL)		3.3 m	3.6 m	3.4 m	3.4 m	3.4 m	3.6 m
				19 July 2002	19 July 2002	19 July 2002	19 July 2002	19 July 2002	19 July 2002
PHYSICAL									
Moisture			%	25.8	23.6	22.0	23.8	15.7	19.0
HYDROCARBONS									
Vapour Concentration			ppm _v	4	16	4	0	4	10
Benzene	10 ¹	10 ¹	µg/g	0.16	0.15	<	0.37	<	0.27
Toluene	1.5 ²	25 ²	µg/g	<	<	<	<	<	<
Ethylbenzene	1 ²	20 ²	µg/g	0.040	0.054	<	<	<	0.20
Xylenes	5 ²	50 ²	µg/g	0.41	1.2	0.038	0.098	0.04	1.0
VPHs	200	200	µg/g	<	<	<	<	<	<
Analytical Parameter	CSR Standards		Units	AEC 7-W-2	AEC 7-W-3	AEC 7-B-1	AEC 7-B-2	AEC 7-B-3	AEC 7-B-4
	(RL)	(CL)		3.6 m	3.6 m	3.3 m	3.4 m	3.6 m	3.6 m
				19 July 2002	19 July 2002	19 July 2002	19 July 2002	19 July 2002	19 July 2002
PHYSICAL									
Moisture			%	26.6	17.4	26.9	23.9	26.7	22.7
HYDROCARBONS									
Vapour Concentration			ppm _v	4	4	14	10	2	18
Benzene	10 ¹	10 ¹	µg/g	2.3	<	0.12	0.053	0.26	1.3
Toluene	1.5 ²	25 ²	µg/g	0.055	<	<	<	<	<
Ethylbenzene	1 ²	20 ²	µg/g	<	<	0.049	<	<	<
Xylenes	5 ²	50 ²	µg/g	0.061	<	0.48	0.053	0.96	<
VPHs	200	200	µg/g	<	<	<	<	<	<

Notes: Results reported in µg/g (ppm) unless otherwise stated

VPH - Volatile Petroleum Hydrocarbons

RL - Residential Land Use Standards; *Contaminated Sites Regulation (CSR)*; B.C. Reg. 17/2002; Ministry of Water, Land and Air Protection; Victoria, British Columbia.

CL - Commercial Land Use Standards; CSR

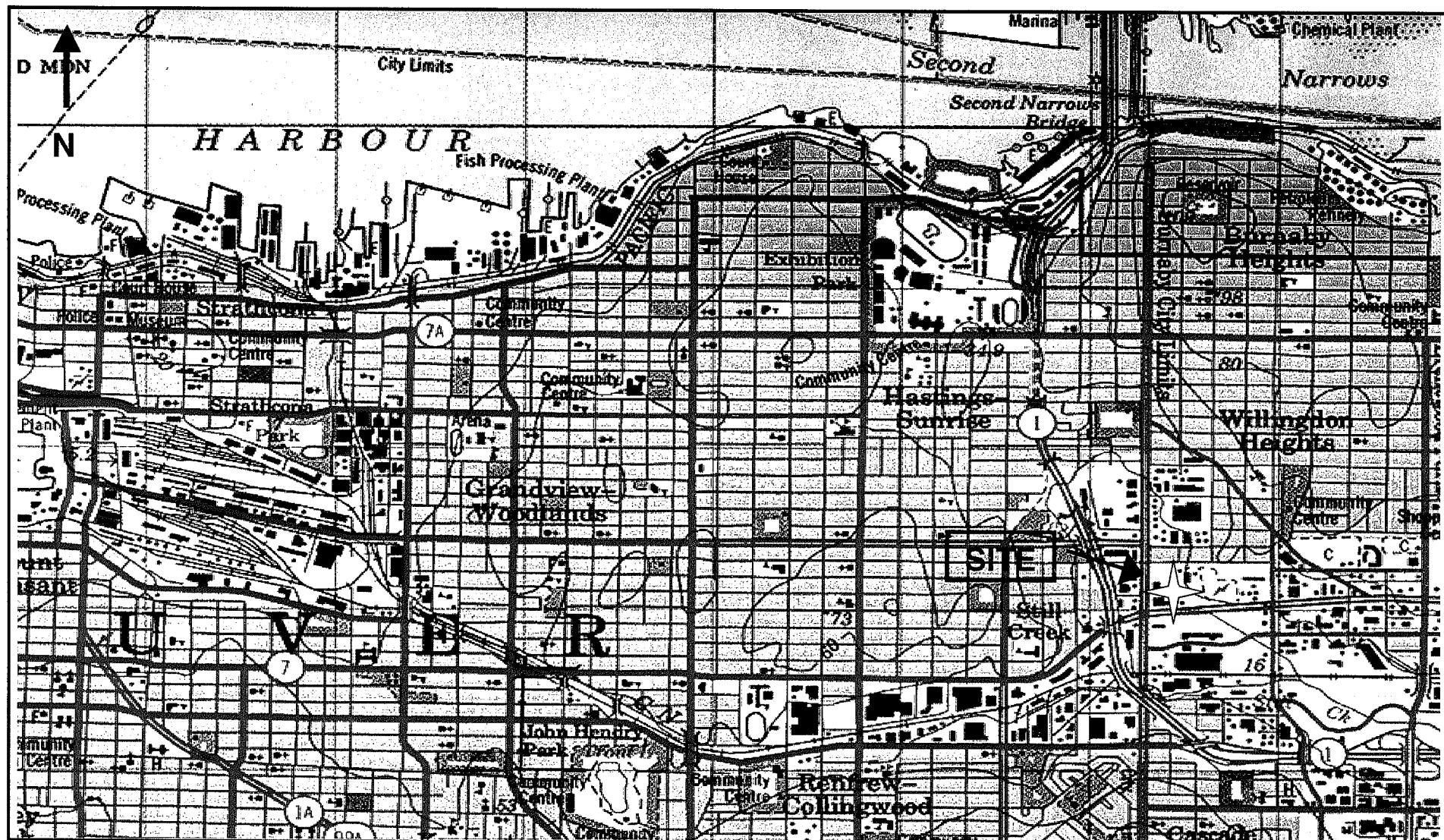
< Sample concentration is below Method Detection Limit

¹ Sample not analyzed for specified parameter

NS - No Standard

Bold outlined cells indicate concentrations exceeding CSR RL standards

**FIGURES
AND
DRAWINGS**



amec

AMEC Earth & Environmental Limited

2227 Douglas Road
Burnaby, BC
V5C 5A9
Tel. (604) 294-3811
Fax. (604) 294-4664

Client

TERASEN GAS

DWN BY:
LC

CHK'D BY:
CT

APP.
CT

SCALE

**STAGE 2 PRELIMINARY SITE INVESTIGATION
PORTION OF TERASEN GAS
LOCHBURN FACILITY
BOUNDARY ROAD & LOUGHEED HIGHWAY
BURNABY, BRITISH COLUMBIA**

SITE LOCATION

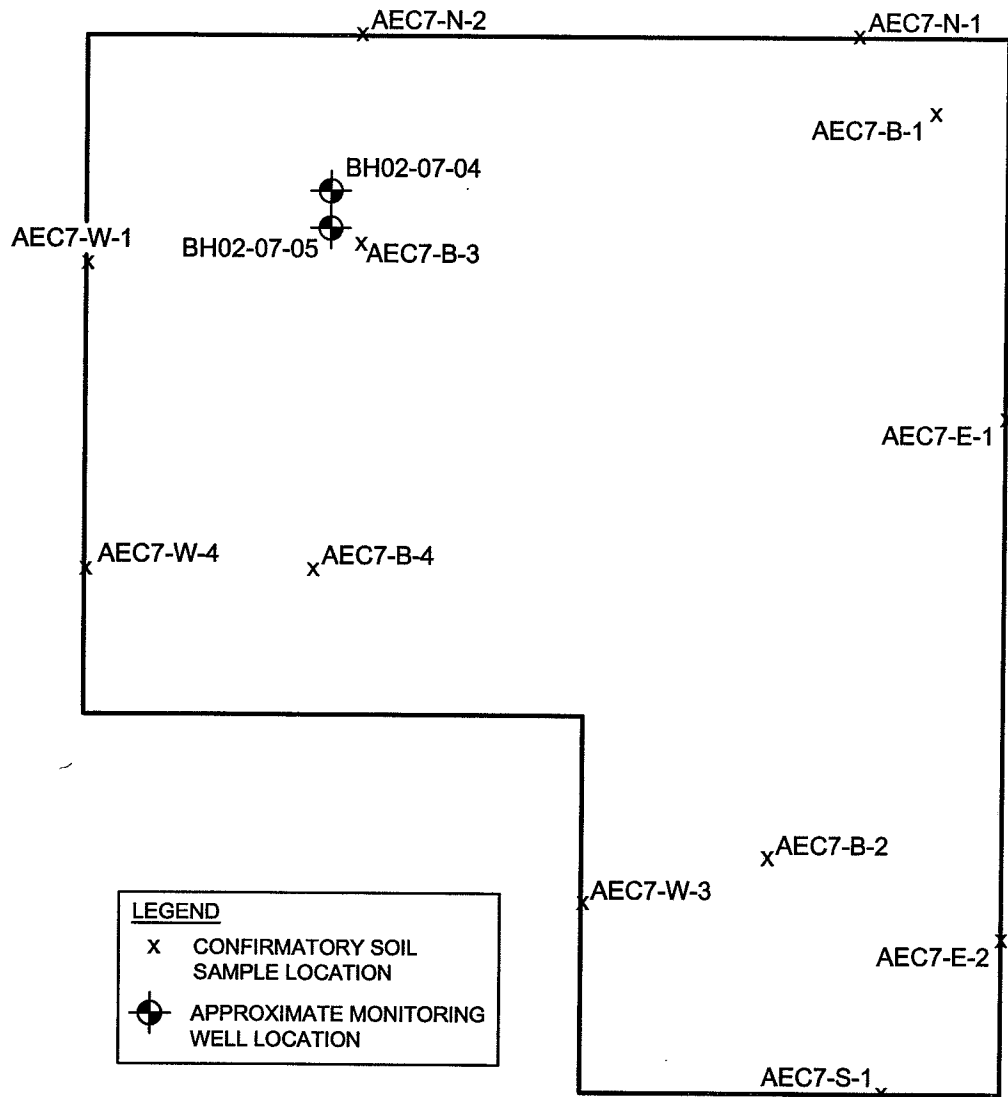
DATE:
NOV. 2003

PROJECT NO:
VE51267

REV. NO.:

FIGURE No.

1



AMEC Earth & Environmental Limited

2227 Douglas Road
Burnaby, B.C.
V5C 5A9
Tel. 294-3811
Fax. 294-4664

CLIENT

TERASEN GAS

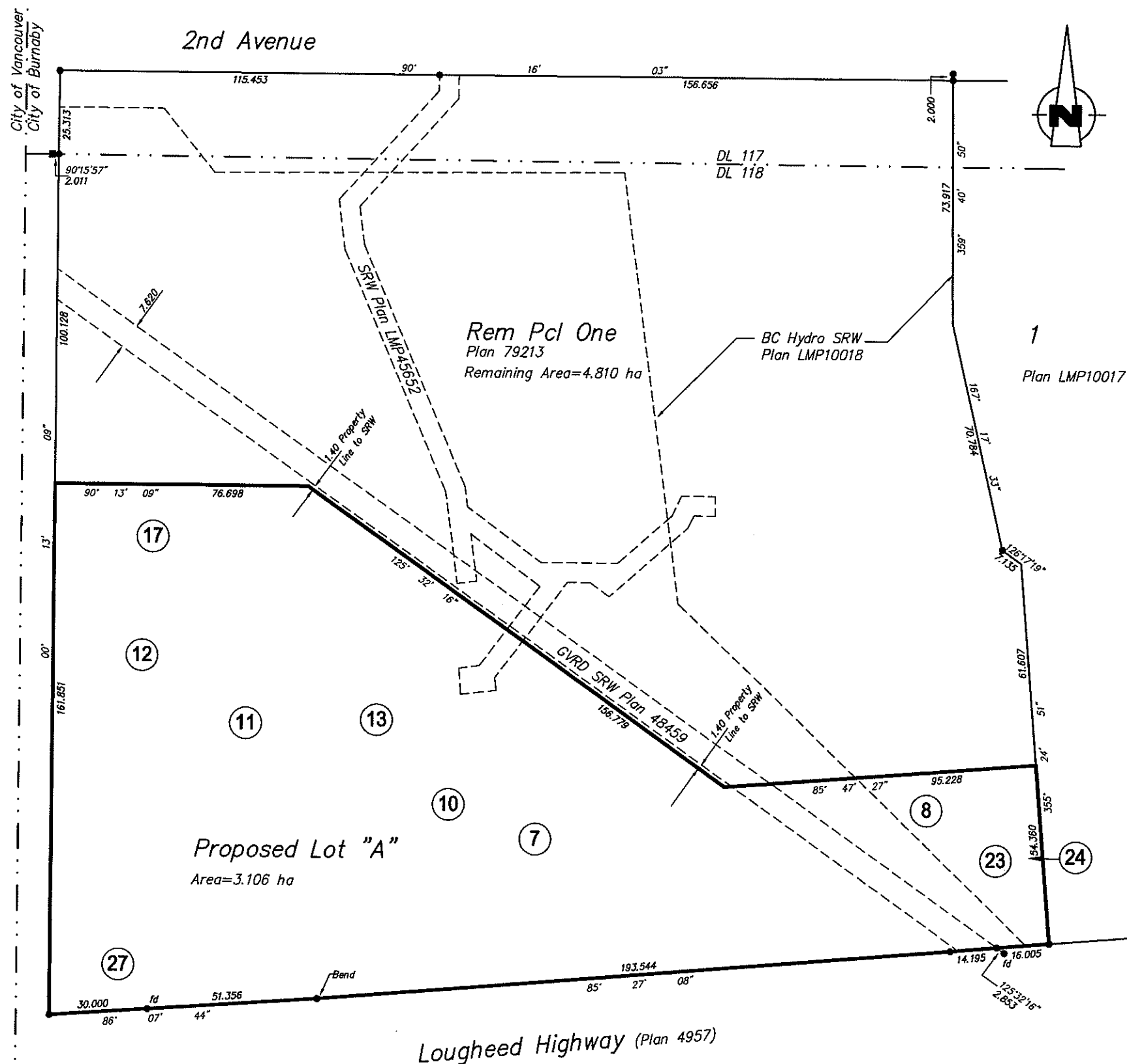
AEC #7 - CONFIRMATORY SOIL
SAMPLE AND MONITORING WELL
LOCATION PLAN

DWN BY: SM CHK'D BY: KF APP. - DATE: NOVEMBER 2003

PROJECT NO: VE51267 REV. NO.: - SCALE: approx. 1:100 FIGURE No. FIGURE 3

*PLOT 1:1=D:\Projects\51000\51200\VE51267 - BC Gas Boundary & Lougheed\DRAWINGS\AUG2003\VE51267-001-AEC.dwg Thu. Nov. 06 1:11pm 2003 Layout1 Steve.milot

Boundary Road



Areas of Potential Environmental Concern and Potential Contaminants of Concern

APEC #	Description	PCOCs
7	ON-SITE: Former vehicle fuelling and maintenance facility.	BTEX, VPH, MTBE, VOCs, LEPH/HEPH, PAHs, and metals
10	ON-SITE: Transformers and surrounding compound.	LEPH/HEPH, PAHs, PCBs and metals
11	ON-SITE: Former vehicle outfitting in Machine Shop.	Metals
12	ON-SITE: Mercury containing instruments - Home Payne Building Prefabrication Shop, Butler Building and Instrument Shop, and West Block.	Mercury
13	ON-SITE: Former incinerator near transformer compound.	PAHs and metals
8	OFF-SITE: Former BC Hydro storage areas.	BTEX, VPH, VOCs, LEPH/HEPH, PAHs, PCBs, and metals
17	OFF-SITE: Natural gas compressor and dispensing station.	LEPH/HEPH and metals
23	OFF-SITE: BC Hydro yard.	BTEX, VPH, MTBE, VOCs, LEPH, HEPH, PAHs, PCBs, and metals
24	OFF-SITE: Transformer station and yard.	BTEX, VPH, VOCs, LEPH/HEPH, PAHs, PCBs, and metals
27	OFF-SITE: Former service station across intersection.	BTEX, VPH, MTBE, VOCs, LEPH/HEPH, PAHs, and metals

Notes:

The above information is a summary only and persons who may rely on the report are encouraged to review the entire MECI Stage 1 PSI report. AMEC followed the MECI referencing system for the on-site and off-site APECs associated with the Site. Only those on-site and off-site APECs deemed by AMEC to be associated with the Site or pose a potential impact to the Site were investigated.

BTEX = benzene, toluene, ethylbenzene and xylenes

VPH = volatile petroleum hydrocarbons

MTBE = methyl tertiary butyl ether

VOCs = volatile organic compounds

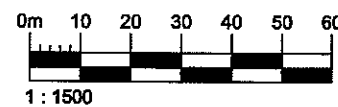
LEPH/HEPH = light and heavy extractable petroleum hydrocarbons

PAHs = polycyclic aromatic hydrocarbons

PCBs = polychlorinated biphenyls

LEGEND

- 7 AREA OF POTENTIAL ENVIRONMENTAL CONCERN
(REFER TO TABLE 1 AND 2)



AMEC Earth & Environmental Limited

2227 Douglas Road
Burnaby, B.C.
V5C 5A9
Tel. 294-3811
Fax. 294-4664

Client

TERASEN GAS

DWN BY:	SM
CHKD BY:	CT
APP.	-
SCALE	1:1500

AREAS OF POTENTIAL ENVIRONMENTAL CONCERN

PROPOSED SUBDIVISION PLAN OF PARCEL ONE
BOUNDARY ROAD & LOUGHEED HIGHWAY
BURNABY, B.C.

DATE:	NOVEMBER 2003
PROJECT NO:	VE51267
REV. NO.:	-
FIGURE No.	FIGURE 2

APPENDIX A

BC ONLINE: SITE REGISTRY SEARCH

As Of: JUN 09, 2002

BC Online: Site Registry
For: PJ45881 WEST COAST TITLE SEARCH LTD.

02/06/10
11:24:36
Page 1
sec

Folio:

9 records selected for 0.5 km from latitude 49 deg, 16 min, 4
and Longitude 123 deg, 1 min, 11 sec

Site Id	Lastupd	Address / City
0000069	01NOV16	1735 BOUNDARY ROAD VANCOUVER
0000095	02MAY29	2400 BOUNDARY ROAD BURNABY
0000102	00DEC01	3777 LOUGHEED HIGHWAY BURNABY
0001449	01MAY22	3650 LOUGHEED HIGHWAY VANCOUVER
0004923		4132, 4150, 4196 HALIFAX STREET BURNABY
0005096	01DEC19	3857 1ST AVENUE BURNABY
0005888	00JUL07	4005 SECOND AVENUE BURNABY
0007090	01FEB22	1502 BOUNDARY ROAD BURNABY
0007296		LOUGHEED HIGHWAY AND GILMORE AVENUE BURNABY

As of: JUN 09, 2002

BC Online: Site Registry
For: PJ45881 WEST COAST TITLE SEARCH LTD.

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Folio:

Detail Report

SITE LOCATION

Site ID: 102
Victoria File: 26250-20/0059
Regional File: 26250-20/0011
Region: SURREY, LOWER MAINLAND

Latitude: 49d 16m 00.3s
Longitude: 123d 01m 04.0s

Site Address: 3777 LOUGHEED HIGHWAY
City: BURNABY
Postal Code: V5C 3Y3

Prov/State: BC

Registered: NOV 12, 1997 Updated: DEC 01, 2000 Detail Removed: NOV 14, 2000

Notations: 20 Participants: 23 Associated Sites: 1
Documents: 7 Susp. Land Use: 1 Parcel Descriptions: 1

Location Description: LOCATION DERIVED BY DGPS WITH RTCM DCI/FM 7MAR96

Record Status: INACTIVE - REMEDIATION COMPLETE
Fee category: UNRANKED

NOTATIONS

Notation Type: CASE MANAGEMENT ITEM
Notation Class: ADMINISTRATIVE
Initiated: OCT 05, 1999

Approved:

Ministry Contact: HACKINEN, COLEEN

Notation Participants
HACKINEN, COLEEN

Notation Roles
RECEIVED BY

Note: REPORT PREPARED BY GEOVIRO, DATED SEPTEMBER 1999 AND ENTITLED
"ENVIRONMENTAL ASSESSMENT OF FILL MATERIAL' SUBMITTED; CONCLUDES THAT FILL IN
SUSPECT AREA AT SITE 5013, WHICH INCLUDES SOIL FROM SITE 102 WHICH WAS SENT
IN ERROR WITHOUT SOIL RELOCATION AGREEM

Required Actions: ENT, MEETS RESIDENTIAL STANDARDS FOR LEPH, HEPH, PAH, PCB
AND METALS. REPORT LOCATED IN SITE 5013 SURREY OFFICE FILE.

Notation Type: CASE MANAGEMENT ITEM
Notation Class: ADMINISTRATIVE
Initiated: MAY 26, 1999

Approved:

Ministry Contact: HACKINEN, COLEEN

Notation Participants
CANADIAN NATIONAL RAILWAY CO. (EDMONTON AB)
DOMINION CONSTRUCTION AND DEVELOPMENT INC.
(VANCOUVER)
MCCAMMON, ALAN W.

Notation Roles
RECEIVED BY
RECEIVED BY
ISSUED BY

As of: JUN 09, 2002

BC Online: Site Registry
For: PJ45881 WEST COAST TITLE SEARCH LTD.

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Folio:

NOTATIONS

Note: SOIL UNDER CONTROL OF DOMINION CONSTRUCTION & DEVELOPMENT INC. MOVED IN ERROR FROM SITE 102 TO SITE 5013 WITHOUT SOIL RELOCATION AGREEMENT. SUBSEQUENT MIXING OF CONTAMINATED SOIL REDUCED HEPH CONCENTRATIONS BELOW CONTAMINATED SITES REGULATION RESIDENTIAL

Required Actions: LAND USE STANDARDS. NO REMEDIAL ACTION REQUIRED SUBJECT TO SPECIFIED PRECAUTIONS AT RECEIVING SITE (SITE 5013).

Notation Type: NOTICE OF INDEPENDENT REMEDIATION INITIATION SUBMITTED (WMA 28(2))

Notation Class: WASTE MANAGEMENT ACT: CONTAMINATED SITES NOTATIONS
Initiated: MAR 15, 1999 Approved:

Ministry Contact: WAKELIN, DARRELL W

Notation Participants	Notation Roles
MORROW ENVIRONMENTAL CONSULTANTS INC. (BURNABY, B.C.)	SUBMITTED BY

Notation Type: SITE PROFILE NO FURTHER INVESTIGATION REQUIRED BY THE MINISTRY

Notation Class: WASTE MANAGEMENT ACT: CONTAMINATED SITES NOTATIONS
Initiated: FEB 18, 1999 Approved:

Ministry Contact: MCCAMMON, ALAN W.

Note: BC GAS INTEND ON CONDUCTING INDEPENDENT REMEDIATION IN ACCORDANCE WITH CLAUSE 3.2 OF THE DRAFT GUIDANCE DOCUMENT #4.

Notation Type: SITE INVESTIGATION REQUESTED

Notation Class: ADMINISTRATIVE
Initiated: FEB 18, 1999 Approved:

Ministry Contact: MCCAMMON, ALAN W.

Note: PREPARE AND SUBMIT A PRELIMINARY SITE INVESTIGATION REPORT. INTEND ON CONDUCTING INDEPENDENT REMEDIATION IN ACCORDANCE WITH CLAUSE 3.2 OF DRAFT GUIDANCE #4 IF CONTAMINATION IS FOUND.

Required Actions: SCHEDULE TO MEET THE ABOVE SHALL BE SUBMITTED BY 5 MARCH 1999

Notation Type: SITE PROFILE RECEIVED

Notation Class: WASTE MANAGEMENT ACT: CONTAMINATED SITES NOTATIONS
Initiated: JAN 20, 1999 Approved:

Ministry Contact: MCCAMMON, ALAN W.

Notation Participants	Notation Roles
BC GAS UTILITY LTD. (BURNABY)	SUBMITTED BY

As of: JUN 09, 2002

BC Online: Site Registry
For: PJ45881 WEST COAST TITLE SEARCH LTD.

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NOTATIONS

Notation Type: CONCENTRATION CRITERIA APPROACH USED

Notation Class: ADMINISTRATIVE

Initiated: MAY 10, 1995

Approved:

Ministry Contact: SHUTTER, SIMON

Notation Type: REMEDIATED TO COMMERCIAL/INDUSTRIAL LEVELS (DRAFT CMCS
21/11/89)

Notation Class: ADMINISTRATIVE

Initiated: MAY 10, 1995

Approved:

Ministry Contact: SHUTTER, SIMON

Notation Type: LETTER OF COMFORT ISSUED

Notation Class: ADMINISTRATIVE

Initiated: MAY 10, 1995

Approved:

Ministry Contact: SHUTTER, SIMON

Notation Participants
BC GAS INC. (VANCOUVER)

Notation Roles
REQUESTED BY

Notation Type: REMEDIATION COMPLETION REPORT SUBMITTED

Notation Class: ADMINISTRATIVE

Initiated: JAN 26, 1994

Approved:

Ministry Contact: POPE, DOUGLAS

Notation Participants
MORROW ENVIRONMENTAL CONSULTANTS INC. (BURNABY,
B.C.)

Notation Roles
SUBMITTED BY

Notation Type: MONITORING REPORT SUBMITTED

Notation Class: ADMINISTRATIVE

Initiated: SEP 01, 1993

Approved:

Ministry Contact: HACKINEN, COLEEN

Notation Participants
MORROW ENVIRONMENTAL CONSULTANTS INC. (BURNABY,
B.C.)
BC GAS INC. (VANCOUVER)

Notation Roles
SUBMITTED BY
RECEIVED BY

Notation Type: WASTE MANAGEMENT APPROVAL ISSUED

Notation Class: WASTE MANAGEMENT ACT: GENERAL

Initiated: SEP 26, 1992

Approved:

Ministry Contact: OUELLET, LOUISE (MELP)

Notation Participants
BC GAS INC. (VANCOUVER)

Notation Roles
REQUESTED BY

As of: JUN 09, 2002

BC Online: Site Registry
For: PJ45881 WEST COAST TITLE SEARCH LTD.

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Folio:
NOTATIONS

Note: AS11593

Notation Type: MONITORING REPORT SUBMITTED
Notation Class: ADMINISTRATIVE
Initiated: FEB 28, 1992

Approved:

Ministry Contact: HUBBARD, LANNY T

Notation Participants
MORROW ENVIRONMENTAL CONSULTANTS INC. (BURNABY,
B.C.)
BC HYDRO (VANCOUVER, BC (REAL ESTATE AND
PROJECTS))
BC GAS INC. (VANCOUVER)

Notation Roles
SUBMITTED BY

RECEIVED BY

RECEIVED BY

Notation Type: DETERMINED HISTORICAL SPECIAL WASTE
Notation Class: WASTE MANAGEMENT ACT: GENERAL
Initiated: MAY 23, 1991

CONTAMINATED SITE

Approved:

Ministry Contact: HUBBARD, LANNY T

Notation Type: OTHER WASTE SYSTEM NUMBERS
Notation Class: ADMINISTRATIVE
Initiated: MAY 23, 1991

Approved:

Ministry Contact: HUBBARD, LANNY T

Notation Participants
BC GAS INC. (VANCOUVER)
GREATER VANCOUVER REGIONAL DISTRICT (BURNABY BC)

Notation Roles
REQUESTED BY
RECEIVED BY

Note: LS00288 THREE MONTH EXTENSION OF APPROVAL TO 91-08-23

Notation Type: MONITORING REPORT SUBMITTED
Notation Class: ADMINISTRATIVE
Initiated: DEC 10, 1990

Approved:

Ministry Contact: HUBBARD, LANNY T

Notation Participants
MORROW ENVIRONMENTAL CONSULTANTS INC. (BURNABY,
B.C.)
BC GAS INC. (VANCOUVER)

Notation Roles
SUBMITTED BY

RECEIVED BY

Notation Type: REMEDIATION PLAN REPORT SUBMITTED
Notation Class: ADMINISTRATIVE
Initiated: DEC 19, 1989

Approved:

Ministry Contact: OUELLET, LOUISE (MELP)

As of: JUN 09, 2002

BC Online: Site Registry
For: PJ45881 WEST COAST TITLE SEARCH LTD.

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NOTATIONS

Notation Participants	Notation Roles
MORROW ENVIRONMENTAL CONSULTANTS INC. (BURNABY, B.C.)	SUBMITTED BY
BC GAS INC. (VANCOUVER)	REQUESTED BY

Notation Type: CONCENTRATION CRITERIA APPROACH USED
Notation Class: ADMINISTRATIVE
Initiated: DEC 19, 1989

Approved:

Ministry Contact: OUELLET, LOUISE (MELP)

Notation Type: SITE INVESTIGATION REPORT SUBMITTED
Notation Class: ADMINISTRATIVE
Initiated: DEC 19, 1989

Approved:

Ministry Contact: OUELLET, LOUISE (MELP)

Notation Participants	Notation Roles
MORROW ENVIRONMENTAL CONSULTANTS INC. (BURNABY, B.C.)	SUBMITTED BY
BC GAS INC. (VANCOUVER)	REQUESTED BY

Notation Type: SITE INVESTIGATION REPORT SUBMITTED
Notation Class: ADMINISTRATIVE
Initiated: AUG 14, 1989

Approved:

Ministry Contact: OUELLET, LOUISE (MELP)

Notation Participants	Notation Roles
MORROW ENVIRONMENTAL CONSULTANTS INC. (BURNABY, B.C.)	SUBMITTED BY

=====

SITE PARTICIPANTS

Participant: ANALYTICAL SERVICE LABORATORIES LTD. (VANCOUVER, B.C.)
Role(s): ANALYTICAL LAB
Start Date: JUN 29, 1989

End Date:

Participant: BC GAS INC. (VANCOUVER)
Role(s): PROPERTY OWNER
Start Date: JUN 27, 1989

End Date:

Participant: BC GAS UTILITY LTD. (BURNABY)
Role(s): PROPERTY OWNER
SITE PROFILE COMPLETOR
SITE PROFILE CONTACT
Start Date: JAN 20, 1999

End Date:

Participant: BC HYDRO (VANCOUVER, BC (REAL ESTATE AND PROJECTS))
Role(s): FORMER PROPERTY OWNER
Start Date: FEB 28, 1992

End Date:

As of: JUN 09, 2002

BC Online: Site Registry
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SITE PARTICIPANTS

Participant: BURNS DEVELOPMENT LTD. (DELTA)	
Role(s): FILL RECIPIENT	
Start Date: OCT 19, 1993	End Date:
Participant: CANTEST LIMITED (VANCOUVER, B.C.)	
Role(s): ANALYTICAL LAB	
Start Date: FEB 25, 1991	End Date:
Participant: CITY OF BURNABY (BURNABY, B.C.)	
Role(s): MUNICIPAL/REGIONAL CONTACT	
Start Date: DEC 19, 1989	End Date:
Notes: ENVIRONMENTAL HEALTH DIVISION	
Participant: ENVIRONMENT CANADA, CONSERVATION PROTECTION (NORTH VANCOUVER, B.C.)	
Role(s): ENVIRONMENT CANADA CONTACT	
Start Date: SEP 26, 1992	End Date:
Participant: GREATER VANCOUVER REGIONAL DISTRICT (BURNABY BC)	
Role(s): MUNICIPAL/REGIONAL CONTACT	
Start Date: JAN 25, 1990	End Date:
Participant: HACKINEN, COLEEN	
Role(s): MAIN BC ENVIRONMENT CONTACT	
Start Date: FEB 20, 1992	End Date:
Participant: HATCH, BRENDA	
Role(s): ALTERNATE BC ENVIRONMENT CONTACT	
Start Date: SEP 27, 1993	End Date: DEC 24, 1993
Participant: HUBBARD, LANNY T	
Role(s): MAIN BC ENVIRONMENT CONTACT	
Start Date: DEC 05, 1989	End Date: JAN 06, 1997
Participant: MCCAMMON, ALAN W.	
Role(s): ALTERNATE BC ENVIRONMENT CONTACT	
Start Date: JAN 20, 1999	End Date:
Participant: MCLENEHAN, ROBERT E (MELP)	
Role(s): MAIN BC ENVIRONMENT CONTACT	
Start Date: JAN 06, 1997	End Date: JAN 20, 1999
Participant: MORROW ENVIRONMENTAL CONSULTANTS INC. (BURNABY, B.C.)	
Role(s): ENVIRONMENTAL CONSULTANT/CONTRACTOR	
Start Date: JUN 27, 1989	End Date:
Participant: ORD, ROGER SCOTT	
Role(s): ALTERNATE BC ENVIRONMENT CONTACT	
Start Date: JUN 27, 1991	End Date: JUL 25, 1997

As of: JUN 09, 2002

BC Online: Site Registry
For: PJ45881 WEST COAST TITLE SEARCH LTD.

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Folio:
SITE PARTICIPANTS

Participant: OUELLET, LOUISE (MELP)
Role(s): ALTERNATE BC ENVIRONMENT CONTACT
Start Date: AUG 14, 1989 End Date: SEP 30, 1993

Participant: POPE, DOUGLAS
Role(s): ALTERNATE BC ENVIRONMENT CONTACT
Start Date: JAN 26, 1994 End Date: MAY 21, 2002

Participant: POWERTECH LABS INC. (SURREY, B.C.)
Role(s): ANALYTICAL LAB
Start Date: DEC 07, 1990 End Date:

Participant: RIEDLER, HAROLD
Role(s): ALTERNATE BC ENVIRONMENT CONTACT
Start Date: JUN 27, 1989 End Date:

Participant: SHUTTER, SIMON
Role(s): ALTERNATE BC ENVIRONMENT CONTACT
Start Date: MAY 10, 1995 End Date:

Participant: VOGT, HARRY J
Role(s): ALTERNATE BC ENVIRONMENT CONTACT
Start Date: OCT 08, 1993 End Date:

Participant: WAKELIN, DARRELL W
Role(s): ALTERNATE BC ENVIRONMENT CONTACT
Start Date: MAR 15, 1999 End Date:

DOCUMENTS

Title: LOCHBURN GAS DISTRIBUTION CENTRE, APPLICATION FOR APPROVAL TO STORE
AND TREAT HYDROCARBON CONTAMINATED SOIL FROM BOTH A SPILL & AN
HISTORICAL

Authored: DEC 19, 1989

Submitted: DEC 19, 1989

Participants

MORROW ENVIRONMENTAL CONSULTANTS INC. (BURNABY,
B.C.)

Role
AUTHOR

BC GAS INC. (VANCOUVER)

COMMISSIONER
REVIEWER

OUELLET, LOUISE (MELP)

Notes: LOCHBURN GAS DISTRIBUTION CENTRE, APPLICATION FOR APPROVAL TO STORE AND
TREAT HYDROCARBON CONTAMINATED SOIL FROM BOTH A SPILL & AN HISTORICAL

Title: LOCHBURN GAS DISTRIBUTION CENTER, INSPECTION OF SOIL TREATMENT
OPERATIONS - HISTORICAL SPECIAL WASTE SITE

Authored: DEC 04, 1990

Submitted: DEC 10, 1990

Participants

MORROW ENVIRONMENTAL CONSULTANTS INC. (BURNABY,
B.C.)

Role
AUTHOR

BC GAS INC. (VANCOUVER)

COMMISSIONER
REVIEWER

HUBBARD, LANNY T

Notes: LOCHBURN GAS DISTRIBUTION CENTER, INSPECTION OF SOIL TREATMENT

OPERATIONS - HISTORICAL SPECIAL WASTE SITE

Title: PROGRESS REPORT AND CONFIRMATORY CONTAMINATION ASSESSMENT (90-09-13 TO 91-03-13)

Authored: APR 16, 1991

Submitted: JUN 05, 1991

Participants

Role

MORROW ENVIRONMENTAL CONSULTANTS INC. (BURNABY, B.C.)

AUTHOR

BC GAS INC. (VANCOUVER)

COMMISSIONER

HUBBARD, LANNY T

REVIEWER

Notes: PROGRESS REPORT AND CONFIRMATORY CONTAMINATION ASSESSMENT (90-09-13 TO 91-03-13)

Title: LOCHBURN GAS DISTRIBUTION CENTRE, PROGRESS REPORT AND GROUND WATER MONITORING REVIEW

Authored: JAN 27, 1992

Submitted: FEB 28, 1992

Participants

Role

MORROW ENVIRONMENTAL CONSULTANTS INC. (BURNABY, B.C.)

AUTHOR

BC HYDRO (VANCOUVER, BC (REAL ESTATE AND PROJECTS))

RECIPIENT

HUBBARD, LANNY T

REVIEWER

Notes: LOCHBURN GAS DISTRIBUTION CENTRE, PROGRESS REPORT AND GROUND WATER MONITORING REVIEW

Title: PERMISSION TO DISPOSE OF TREATED SOIL FROM THE LOCHBURN GAS DISTRIBUTION CENTRE

Authored: AUG 30, 1993

Submitted: SEP 01, 1993

Participants

Role

MORROW ENVIRONMENTAL CONSULTANTS INC. (BURNABY, B.C.)

AUTHOR

BC GAS INC. (VANCOUVER)

COMMISSIONER

HACKINEN, COLEEN

REVIEWER

Notes: PERMISSION TO DISPOSE OF TREATED SOIL FROM THE LOCHBURN GAS DISTRIBUTION CENTRE

Title: SUBSURFACE CONTAMINATION ASSESSMENT - PRELIMINARY RESULTS

Authored: JUL 28, 1989

Submitted: AUG 14, 1989

Participants

Role

MORROW ENVIRONMENTAL CONSULTANTS INC. (BURNABY, B.C.)

AUTHOR

BC GAS INC. (VANCOUVER)

COMMISSIONER

OUELLET, LOUISE (MELP)

REVIEWER

Notes: SUBSURFACE CONTAMINATION ASSESSMENT - PRELIMINARY RESULTS

Title: ENVIRONMENTAL REMEDIATION REPORT - HYDROCARBON CONTAMINATED SOILS FROM VEHICLE FUELING FACILITY

Authored: DEC 14, 1993

Submitted: JAN 26, 1994

Participants

Role

MORROW ENVIRONMENTAL CONSULTANTS INC. (BURNABY, B.C.)

AUTHOR

As of: JUN 09, 2002

BC Online: Site Registry
For: PJ45881 WEST COAST TITLE SEARCH LTD.

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DOCUMENTS

BC GAS INC. (VANCOUVER)
POPE, DOUGLAS

COMMISSIONER
REVIEWER

Notes: ENVIRONMENTAL REMEDIATION REPORT - HYDROCARBON CONTAMINATED SOILS FROM
VEHICLE FUELING FACILITY

=====

ASSOCIATED SITES

Site id: 5013

Date: MAY 26, 1999

Notes: SOIL FROM BC GAS LOCHBURN FACILITY RELOCATED FROM SITE 102 TO
SITE 5013 WITHOUT SOIL RELOCATION AGREEMENT

=====

SUSPECTED LAND USE

Description: PETRO/NATURAL GAS/PRODUCE WATER STRG ABVEGRND/UNDERGRND TANK

Notes:

=====

PARCEL DESCRIPTIONS

Date Added: JUN 27, 1996

Crown Land PIN#:

LTO PID#: 012035173

Crown Land File#:

Land Desc: PARCEL "ONE", EXCEPT PART IN PLAN LMP10017, DISTRICT LOTS 117
AND 118 GROUP 1 NEW WESTMINSTER DISTRICT REFERENCE PLAN
79213

=====

CURRENT SITE PROFILE INFORMATION (Sec. III to X)

Site Profile Completion Date: JAN 20, 1999

Local Authority Received: JAN 20, 1999

BC Environment Manager Received: JAN 20, 1999
Decision: INVESTIGATION NOT REQUIRED

Decision: FEB 18, 1999

Site Registrar Received:

Entry Date:

III COMMERCIAL AND INDUSTRIAL PURPOSES OR ACTIVITIES ON SITE

Schedule 2

Reference

Description

B4	ELECTRICAL TRANSMISSION OR DISTRIBUTION SUBSTATIONS
C6	WELDING OR MACHINE SHOPS (REPAIR OR FABRICATION)
E1	APPLIANCE/EQUIP OR ENGINE REPAIR/RECONDITION/CLEANING/SALVAG
F7	PETRO/NATURAL GAS/PRODUCE WATER STRG ABVEGRND/UNDERGRND TANK
G6	RAIL CAR/LOCOMOTIVE MAINTENANCE/CLEAN/SALVAGE INCL RAILYARDS

AREAS OF POTENTIAL CONCERN

Petroleum, solvent or other polluting substance spills to the environment
greater than 100 litres?.....YES
Residue left after removal of piled materials such as chemicals, coal,
ore, smelter slag, air quality control system baghouse dust?.....NO
Discarded barrels, drums or tanks?.....NO

FILL MATERIALS

As of: JUN 09, 2002

BC Online: Site Registry

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Fill dirt, soil, gravel, sand or like materials from a contaminated site
or from a source used for any of the activities listed under Schedule
2?.....NO
Discarded or waste granular materials such as sand blasting grit, asphalt
paving or roofing material, spent foundry casting sands, mine ore,
waste rock or float?.....NO
Dredged sediments, or sediments and debris materials originating from
locations adjacent to foreshore industrial activities, or municipal
sanitary or stormwater discharges?.....NO

WASTE DISPOSAL

Materials such as household garbage, mixed municipal refuse, or demolition
debris?.....NO
Waste or byproducts such as tank bottoms, residues, sludge, or
flocculation precipitates from industrial processes or wastewater
treatment?.....NO
Waste products from smelting or mining activities, such as smelter slag,
mine tailings, or cull materials from coal processing?.....NO
Waste products from natural gas and oil well drilling activities, such as
drilling fluids and muds?.....NO
Waste products from photographic developing or finishing laboratories;
asphalt tar manufacturing; boilers, incinerators or other thermal
facilities (eg. ash); appliance, small equipment or engine repair or
salvage; dry cleaning operations (eg. solvents); or automobile and
truck parts cleaning or repair?.....NO

TANKS OR CONTAINERS USED OR STORED

Underground fuel or chemical storage tanks?.....YES
Above ground fuel or chemical storage tanks?.....YES

SPECIAL (HAZARDOUS) WASTES OR SUBSTANCES

PCB-containing electrical transformers or capacitors either at grade,
attached above ground to poles, located within buildings, or stored?....YES
Waste asbestos or asbestos containing materials such as pipe wrapping,
blown-in insulation or panelling buried?.....NO
Paints, solvents, mineral spirits or waste pest control products or pest
control product containers stored in volumes greater than 205 litres?...NO

LEGAL OR REGULATORY ACTIONS OR CONSTRAINTS

Government orders or other notifications pertaining to environmental
conditions or quality of soil, water, groundwater or other
environmental media?.....YES
Liens to recover costs, restrictive covenants on land use, or other
charges or encumbrances, stemming from contaminants or wastes remaining
onsite or from other environmental conditions?.....NO
Government notifications relating to past or recurring environmental
violations at the site or any facility located on the site?.....YES

X ADDITIONAL COMMENTS AND EXPLANATIONS

PRELIMINARY SITE INVESTIGATION HAS BEEN COMPLETED AT THE SITE

End of Detail Report

APPENDIX B

MINISTRY SITE-SPECIFIC INFORMATION



Ministry of
Water, Land
and Air Protection

Regional Operations
Lower Mainland Region

FAX SHEET

Date: Tuesday, June 18, 2002 # of pages (including this sheet) 3

To: Chad Taylor Fax # (604) 294-3811

Office: AMEC Earth & Environmental Ltd. Phone # (604) 294-4664

Your File: VES1267 Our File: 26250-20/

From: Fay O'Neill Phone # (604) 582-5310
Pollution Prevention
Lower Mainland Region, Surrey Fax # (604) 584-9751

Re: Site Specific Information Request Response - 3777 Lougheed Highway and 3700 2nd Avenue, Burnaby BC Owner/Occupier: Powell River Energy Inc.

In response to your attached Site Specific Information Request, the ministry's (Lower Mainland Region) computer files were searched for the subject property owner(s) and/or occupant(s) at the referenced site. The search was based on the following:

1. *Waste Management Act* pollution abatement and pollution prevention orders;
2. *Waste Management Act* applications, permits, and approvals;
3. *Waste Management Act* convictions;
4. Special waste registrations; and
5. Spills.

The following listing was found in our regional computer files:

- On September 26, 1992, BC Gas Inc. was authorized to construct and operate a special waste pile located at 3777 Lougheed Highway in Burnaby for a period of 15 months. The pile was to contain hydrocarbon contaminated soil. The ministry contact is Coleen Hackinen.
- Generator Registration **BCG-07186** registered to **BC Gas Utility Ltd.** for the generation of special waste at **3777 Lougheed Highway, Burnaby BC**. If further information is required, contact Kerri Dundas at 604-582-5282.

Please note that an electronic search of the Site Registry has not been completed as part of your Site-Specific Information Request. An additional fee is required for this service. If you wish this service please complete an Electronic Site Registry Search Request Application Form and send it back to the ministry. Alternately, you may obtain an electronic search of the Site registry through BC Online (www.bconline.gov.bc.ca/). Please contact Kerri Dundas of our

Contaminated Sites Section at (604) 582-5282 for further information.

Please note that our region's computer files are limited to information since approximately 1989, and that the existence or absence of a site investigation file provides no assurance that a site is or is not contaminated. Also, information regarding spills is limited in our database since approximately 1995.

Although the computer files are based on the most recent information available to BC Environment, the accuracy and completeness cannot be guaranteed.

Material contained in this fax transmission may be confidential, and should only be delivered to the addressee. If you do not receive all pages, please call 582-5310.



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LOWER MAINLAND REGION
FILE NO.

SITE-SPECIFIC INFORMATION REQUEST APPLICATION FORM

The Contaminated Sites Fees Regulation, BC Reg. 269/95, s. 35(2) of the *Waste Management Act*, requires a fee of \$100 or \$150 (plus GST) when an information request concerning a potentially contaminated site is made. The \$150 fee is payable for requests concerning a 'complex site' as defined under the regulation. Additionally, a fee of \$0.25 per photocopied page will be charged on requests resulting in more than 20 pages of information.

Check Items



Please conduct a search of your site assessment and remediation records for information relating to the possible contamination of the site indicated below.

I have enclosed a cheque for \$107.00 (GST included) made payable to Minister of Finance and Corporate Relations. In order to complete my request, I understand that I may be involved and/or required to pay a deposit for any outstanding fees.

Additionally, please conduct searches of the following for information relating to the indicated site:

- ☒ Waste Management Act pollution abatement and pollution prevention orders
- ☒ Waste Management Act applications, permits and approvals

and, if available (not provided by all BCE regions)

- ☒ Waste Management Act convictions
- ☒ Special waste registrations
- ☒ Spills

BC Environment's searches are limited to information since approximately 1989. The existence or absence of information provides no assurance that a site is or is not contaminated. Until a centralized, publicly-accessible information system is available, regional and Victoria BC Environment offices may have access to different information. Please note that the fee is per request. Should you require searches by both regional and Victoria BC Environment offices, this would constitute two requests.

Date: 10 June 2002 Applicant's File: VES1267 BCE File (if known): SITE ID (if known):

From: AMEC Earth & Environmental Limited Contact: Chad Taylor
2327 Douglas Road, Burnaby, BC V5C 5A9

Fax: (604) 294-4664 Telephone: (604) 294-3811

Site Civic Address (include municipality):
3777 Lougheed Highway
Burnaby, BC
3700 2ND AVENUE

Site Legal Description Parcel Identifier Numbers (PIDs)/Crown Land Descriptor Numbers (PINs):

Parcel "One", except part in Plan LMP 10217, DL 117 H18, GR1 N20
Reference Plan LMP 79213
PID 012-035-173

Providing: 1) a large scale map or a site plan showing the site's location; 2) present and former site land uses (eg. service station); and 3) present and former site owners'/occupiers' names aids BC Environment in its search for information. If a registered company name is not applicable, the full name of the individual person(s) should be provided.

Present and Former Site Land Uses (if known):

Present - natural gas utility support services (fabrication, install/repair, admin)
Former - railway maintenance/transmission station?

Present and Former Site Owners'/Occupiers' Names (if known):

BC Gas Utility Ltd.

Receipt number (for official use only): 02-03-0525 Received by: F. J. [Signature]

APPENDIX C
BOREHOLE LOGS

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-07-01	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Lougheed Highway				ELEVATION: 17.99 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RETURN <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> AUGER FLYTES <input type="checkbox"/> CORE BARREL RUN <input type="checkbox"/> CORE SAMPLES					

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	SOIL SYMBOL	Soil Description	INSTRUMENTATION DATA	Analyses Performed	ELEVATION(m)
0.0							
		SA1		FILL, Gravel mixed with Asphalt, compact, dry, brown, no hydrocarbon odour or staining			
		SA2		FILL, Sand with some Gravel, medium to coarse grained Sand, fine to coarse brown, no hydrocarbon odour or staining			
				- increasing moisture content from moist to free water below 1.07 m		BTEX, VPH, VOCs, LEPH/HEPH and Metals	17.0
		SA3		FILL, Sand, medium to coarse grained, compact, free water, light brown, no hydrocarbon odour or staining			
2.0							16.0
				REFUSAL at 2.44 m on possible concrete surface			
							15.0
							14.0
							13.0
4.0							
							12.0
6.0							

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 2.6 m
	REVIEWED BY: CT	COMPLETE: 06/07/02
	Fig. No:	Page 1 of 1

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-07-02	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Lougheed Highway				ELEVATION: 17.86 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RETURN		<input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> AUGER FLYTES		<input type="checkbox"/> CORE BARREL RUN <input type="checkbox"/> CORE SAMPLES	

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	GasTech Result (ppmv) 300 600 900 1200	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
0.0		SA1			FILL, Sand and Gravel, moderately graded, odour or staining compact, moist, brown, no hydrocarbon		Silica Sand	
		SA2					Clean Backfill	
		SA3			FILL, Sand with trace Gravel and Organics (topsoil), compact, moist, brown, low to moderate hydrocarbon odour and staining		Bentonite Seal	17.0
		SA4			PEAT, amorphous Organics, trace fibrous, dark brown, moderate hydrocarbon odour and no staining Organics, some Silt, trace Sand, very soft		Silica Sand Filter 50 mm PVC Slotted Pipe	16.0
2.0		SA5			- increasing moisture content from wet to saturated - SAND seam from 2.44 m to 2.74 m		BTEX, VPH, VOCs, LEPH/HEPH, and Metals	15.0
		SA6						
4.0		SA7			SILT, some Clay with trace Gravel, very soft, wet, light grey, low hydrocarbon odour with no staining		Clean Backfill	14.0
		SA8			- SAND inclusions from 4.57 m to 6.10 m - Increasing moisture content from wet to free water			13.0
6.0								12.0

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 7.6 m
	REVIEWED BY: CT	COMPLETE: 09/05/02
	Fig. No:	Page 1 of 2

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-07-02	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Loughheed Highway				ELEVATION: 17.86 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input checked="" type="checkbox"/> NO RETURN <input checked="" type="checkbox"/> SPLIT SPOON <input checked="" type="checkbox"/> AUGER FLYTES <input checked="" type="checkbox"/> CORE BARREL RUN <input checked="" type="checkbox"/> CORE SAMPLES					

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	GasTech Result (ppmv) 300 600 900 1200	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
6.0	<input checked="" type="checkbox"/>	SA8						
					TILL-like, SAND, some Silt and Gravel, no hydrocarbon odour or staining dense, moist, grey, non weathered grey,			11.0
					END OF BOREHOLE at 7.62 m			10.0
8.0								
								9.0
								8.0
10.0								
								7.0
								6.0
12.0								

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 7.6 m
	REVIEWED BY: CT	COMPLETE: 09/05/02
	Fig. No:	Page 2 of 2

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-07-03	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Lougheed Highway				ELEVATION: 17.63 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RETURN		<input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> AUGER FLYTES		<input type="checkbox"/> CORE BARREL RUN <input type="checkbox"/> CORE SAMPLES	

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	GasTech Result (ppmv) 300 600 900 1200	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
0.0		SA1			FILL, Sand and Gravel, medium to coarse Gravel, compact, damp, medium brown, no hydrocarbon odour or staining		Bentonite Seal	
		SA2			grained Sand, fine to coarse grained		Silica Sand Filter	17.0
		SA3			PEAT, amorphous Organics, trace fine odour or staining		50 mm PVC Slotted Pipe	
		SA4			soft, moist, dark brown, no hydrocarbon fibrous Organics, trace Silt, trace Sand,		BTEX, VPH, VOCs and EPH	16.0
2.0		SA5			SAND, medium grained, compact, damp, light brown, no hydrocarbon odour or staining			
		SA6			PEAT, amorphous Organics, trace fine soft, moist, dark brown, no hydrocarbon or staining			15.0
		SA7			Organics, some Silt, trace Sand, soft, moist, dark brown, no hydrocarbon odour		Clean Backfill	14.0
4.0					Silt some Clay, soft, grey, wet, no hydrocarbon odour or staining			13.0
					END OF BOREHOLE at 4.50 m			12.0
6.0								




AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 4.5 m
	REVIEWED BY: CT	COMPLETE: 13/05/02
	Fig. No:	Page 1 of 1

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-07-04	
Remediation Confirmation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Loughheed Highway				ELEVATION: 17.91 (m)	
SAMPLE TYPE		<input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RETURN <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> AUGER FLYTES <input type="checkbox"/> CORE BARREL RUN <input type="checkbox"/> CORE SAMPLES			

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	● GasTech Result (ppmv) ● 300 600 900 1200	SOIL SYMBOL	Soil Description	WELL INSTALLATION	Analyses Performed	ELEVATION(m)
0.0					FILL, Sand with some Gravel, medium to coarse grained Sand and Gravel, compact, dry to moist, light brown, no hydrocarbon odour or staining		Bentonite Seal Silica Sand Filter	17.91
2.0								17.0
								16.0
								15.0
								14.0
4.0					SILT, some Clay with trace Gravel, very soft, wet, light grey, no hydrocarbon odour or staining		Bentonite Seal Silica Sand Filter 50 mm PVC Slotted Pipe	13.0
								12.0
					END OF BOREHOLE at 4.79 m			13.0
6.0								12.0

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 4.8 m
	REVIEWED BY: CT	COMPLETE: 21/08/00
	Fig. No:	Page 1 of 1

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-07-05	
Remediation Confirmation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Lougheed Highway				ELEVATION: 17.92 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input checked="" type="checkbox"/> NO RETURN <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> AUGER FLYTES <input type="checkbox"/> CORE BARREL RUN <input type="checkbox"/> CORE SAMPLES					

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	● GasTech Result (ppmv) ● 300 600 900 1200	SOIL SYMBOL	Soil Description	WELL INSTALLATION	Analyses Performed	ELEVATION(m)
0.0					FILL, Sand with some Gravel, medium to coarse grained Sand and Gravel, compact, dry to moist, light brown, no hydrocarbon odour or staining	  	Bentonite Seal Silica Sand Filter 50 mm PVC Slotted Pipe	17.0
2.0								16.0
4.0					END OF BOREHOLE at 3.0 m			15.0
6.0								14.0
								13.0
								12.0

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 3.0 m
	REVIEWED BY: CT	COMPLETE: 21/05/02
	Fig. No:	Page 1 of 1

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-10-01	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Loughheed Highway				ELEVATION: 17.70 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RETURN <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> AUGER FLYTES <input type="checkbox"/> CORE BARREL RUN <input type="checkbox"/> CORE SAMPLES					

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
0.0				ASPHALT			
		SA1		FILL, Sand and Gravel with some Silt and trace Rootlets, medium to coarse grained compact, moist, dark brown, no hydrocarbon odour or staining		Silica Sand	
		SA2		Sand, fine to coarse grained Gravel, PEAT, amorphous Organics, trace rootlets, hydrocarbon odour or staining and fibrous Organics, some Silt, trace Sand, soft, moist to wet, dark brown, no		LEPH/HEPH, PCBs, and Metals	17.0
						Bentonite Seal	
		SA3				Silica Sand Filter	
						50 mm PVC Slotted Pipe	16.0
2.0							
		SA4		SAND, medium grained, compact, free water, light brown, no hydrocarbon odour or staining			15.0
				PEAT, amorphous Organics, trace fibrous moist, light to dark brown, no hydrocarbon odour or staining			
		SA5		Organics, some Silt, trace Sand, soft			14.0
4.0							
		SA6		Silt, some Clay, soft, moist to wet, grey no hydrocarbon odour or staining			13.0
						Clean Backfill	
6.0							12.0

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 9.1 m
	REVIEWED BY: CT	COMPLETE: 06/05/02
	Fig. No:	Page 1 of 2

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-11-01	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Loughheed Highway				ELEVATION: 17.39 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input checked="" type="checkbox"/> NO RETURN <input checked="" type="checkbox"/> SPLIT SPOON <input checked="" type="checkbox"/> AUGER FLYTES <input checked="" type="checkbox"/> CORE BARREL RUN <input checked="" type="checkbox"/> CORE SAMPLES					

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
0.0		SA1		FILL, Sand and Gravel, medium to coarse Gravel, compact, moist, rusty brown, no hydrocarbon odour or staining		Silica Sand Metals	17.0
		SA2		grained Sand, fine to coarse grained FILL, Sand with some Silt, trace Gravel, medium to fine grained Sand, fine to moist, grey, no hydrocarbon odour or staining		Bentonite Seal	
		SA3		coarse grained Gravel, compact to dense, PEAT, amorphous Organics, trace rootlets, hydrocarbon odour or staining		Silica Sand Filter	
		SA4		- Increasing Wood Fibres trace Silt, soft, moist, dark brown, no SAND, fine to coarse grained, Silty, trace hydrocarbon odour or staining		50 mm PVC Slotted Pipe	16.0
2.0		SA5		Organics, loose, wet, brown, no PEAT, amorphous Organics, trace rootlets, rusty dark brown, wet, no hydrocarbon odour or staining			15.0
				trace Silt, trace fine rootlets, soft, - some Wood inclusions at 2.29			
				- Sand Inclusions, medium grained, wet, grey, no hydrocarbon odour or staining			14.0
		SA6		- increasing Silt content			13.0
				SILT, some Clay, soft, wet, grey, no hydrocarbon odour or staining		Clean Backfill	
		SA7					12.0
6.0							

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 10.7 m
	REVIEWED BY: CT	COMPLETE: 07/05/02
	Fig. No:	Page 1 of 2

Terasen Gas				Uniwide Drilling Co. Ltd.				BOREHOLE NO: BH02-11-01			
Stage 2 Preliminary Site Investigation				Truck Mounted Solid Stem Auger				PROJECT NO: VE51267			
Boundary Road and Lougheed Highway								ELEVATION: 17.39 (m)			
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RETURN <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> AUGER FLYTES <input type="checkbox"/> CORE BARREL RUN <input type="checkbox"/> CORE SAMPLES											

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	● GasTech Result (ppmv) ● 300 600 900 1200	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
6.0								11.0
								10.0
								9.0
8.0								8.0
					TILL-like, SAND some Silt and Gravel, dense, moist, grey, no hydrocarbon odour or staining			7.0
10.0								6.0
					END OF BOREHOLE at 10.67 m			
12.0								

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 10.7 m
	REVIEWED BY: CT	COMPLETE: 07/05/02
	Fig. No:	Page 2 of 2

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-12-01	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Loughheed Highway				ELEVATION: 17.72 (m)	
SAMPLE TYPE		<input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RETURN <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> AUGER FLYTES <input type="checkbox"/> CORE BARREL RUN <input type="checkbox"/> CORE SAMPLES			

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
0.0							
		SA1		FILL, Sand and Gravel with some Silt, well graded, medium to coarse grained Sand, moist, light rusty brown, creosote odour, no staining		Silica Sand VOCs	
				fine to coarse grained Gravel, compact,		Bentonite Seal Metals	17.0
		SA2		FILL, Sand with some Silt, trace Gravel, poorly graded, medium to fine grained Sand dense, moist, greenish grey, no hydrocarbon odour or staining		Silica Sand Filter	
				fine to coarse grained Gravel, compact to		50 mm PVC Slotted Pipe	16.0
		SA3		PEAT, amorphous Organics, trace rootlets, brown, no hydrocarbon odour or staining			
				trace fine fibrous Organics, some Silt, trace Sand, soft, moist to wet, dark			
2.0				increasing Silt content			
		SA4		SAND, medium grained, loose to compact, no staining		PAHs	15.0
				wet to free water, brown, creosote odour,			
		SA5		PEAT, amorphous Organics, trace rootlets, soft, moist to wet, dark brown, no hydrocarbon odour or staining			
				trace fine Organics, some Silt, trace Sand			
				- increasing Silt content			14.0
4.0		SA6					
				Silt, some clay, soft, moist to wet, grey no hydrocarbon odour or staining		PAHs	13.0
		SA7					
						Clean Backfill	12.0
6.0							

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 10.2 m
	REVIEWED BY: CT	COMPLETE: 07/05/02
	Fig. No:	Page 1 of 2

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-12-01	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Loughheed Highway				ELEVATION: 17.72 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RETURN		<input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> AUGER FLYTES		<input type="checkbox"/> CORE BARREL RUN <input type="checkbox"/> CORE SAMPLES	

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	● GasTech Result (ppmv) ● 300 600 900 1200	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
6.0								
								11.0
								10.0
8.0								9.0
								8.0
10.0					TILL-like, Sand, some silt and gravel odour or staining dense, moist, grey, no hydrocarbon			
					END OF BOREHOLE at 10.21 m			7.0
								6.0
12.0								

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 10.2 m
	REVIEWED BY: CT	COMPLETE: 07/05/02
	Fig. No:	Page 2 of 2

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-12-02	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Loughheed Highway				ELEVATION: 17.67 (m)	
SAMPLE TYPE		<input checked="" type="checkbox"/> DISTURBED	<input checked="" type="checkbox"/> NO RETURN	<input checked="" type="checkbox"/> SPLIT SPOON	<input checked="" type="checkbox"/> AUGER FLYTES
				<input checked="" type="checkbox"/> CORE BARREL RUN	<input checked="" type="checkbox"/> CORE SAMPLES

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
0.0				ASPHALT			
				FILL, Sand and Gravel, medium to coarse grained Sand, fine to coarse grained Gravel, compact, dry, medium brown, no hydrocarbon odour or staining		Clean Backfill	
				SAND with some Silt, fine to medium grained Sand, compact to dense, dry, grey, no hydrocarbon odour or staining		Bentonite Seal	17.0
				PEAT, amorphous Organics, some rootlets and fine fibrous Organics, some Silt, trace Sand and Gravel, moist, dark brown, no hydrocarbon odour or staining		Silica Sand Filter	
				SAND, fine to medium grained, loose to compact, damp, medium brown, no hydrocarbon odour or staining		50 mm PVC Slotted Pipe	16.0
2.0				PEAT, amorphous Organics, trace rootlets, trace fine Organics, some Silt, trace Sand soft, moist to wet, dark brown, no hydrocarbon odour or staining			15.0
							14.0
4.0							13.0
				SILT, some Clay, soft, moist to wet, grey, no hydrocarbon odour or staining			
				END OF BOREHOLE at 5.0 m			12.0
6.0							

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 5.0 m
	REVIEWED BY: CT	COMPLETE: 21/08/02
	Fig. No:	Page 1 of 1

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-12-03	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Lougheed Highway				ELEVATION: 17.42 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RETURN <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> AUGER FLYTES <input type="checkbox"/> CORE BARREL RUN <input type="checkbox"/> CORE SAMPLES					

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	● GasTech Result (ppmv) ● 300 600 900 1200	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
0.0					FILL, Sand and Gravel with some Silt, well graded, medium to coarse grained Sand, fine to coarse grained Gravel, compact, dry, no hydrocarbon odour or staining		Clean Backfill	17.0
					PEAT, amorphous Organics, some fibrous Organics and Rootlets, some Silt, trace Sand and Gravel, soft, moist, dark brown, no hydrocarbon odour or staining		Bentonite Seal	
					SAND, medium grained, loose to compact, moist, brown, no hydrocarbon odour or staining		50 mm PVC Slotted Pipe	16.0
					PEAT, amorphous Organics, trace rootlets, trace fine Organics, some Silt, trace Sand soft, moist to wet, dark brown, no hydrocarbon odour or staining		Silica Sand Filter	15.0
2.0								
								14.0
								13.0
4.0								
					Silt, some clay, soft, moist to wet, grey no hydrocarbon odour or staining			12.0
					END OF BOREHOLE at 5.0 m			
6.0								

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 5.0 m
	REVIEWED BY: CT	COMPLETE: 21/08/02
	Fig. No:	Page 1 of 1

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-12-04	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Loughheed Highway				ELEVATION: 17.57 (m)	
SAMPLE TYPE		<input checked="" type="checkbox"/> DISTURBED	<input type="checkbox"/> NO RETURN	<input checked="" type="checkbox"/> SPLIT SPOON	<input type="checkbox"/> AUGER FLYTES
				<input type="checkbox"/> CORE BARREL RUN	<input type="checkbox"/> CORE SAMPLES

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	GasTech Result (ppmv) 300 600 900 1200	SOIL SYMBOL	Soil Description	WELL INSTALLATION	Analyses Performed	ELEVATION(m)
0.0				ASPHALT				
					FILL, Sand and Gravel, medium to coarse grained Sand, fine to coarse grained Gravel, compact, dry, medium brown, no hydrocarbon odour or staining		Clean Backfill	17.0
					SAND with some Silt, fine to medium grained Sand, compact to dense, dry, grey, no hydrocarbon odour or staining		Bentonite Seal	
					PEAT, amorphous Organics, some rootlets and fine fibrous Organics, some Silt, trace Sand and Gravel, moist, dark brown, no hydrocarbon odour or staining		Silica Sand Filter	16.0
2.0					SAND, fine to medium grained, loose to compact, damp, medium brown, no hydrocarbon odour or staining		50 mm PVC Slotted Pipe	
					PEAT, amorphous Organics, trace rootlets, trace fine Organics, some Silt, trace Sand soft, moist to wet, dark brown, no hydrocarbon odour or staining			15.0
								14.0
4.0								
					SILT, some Clay, soft, moist to wet, grey, no hydrocarbon odour or staining			13.0
					END OF BOREHOLE at 5.0 m			12.0
6.0								

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 5.0 m
	REVIEWED BY: CT	COMPLETE: 21/08/02
	Fig. No:	Page 1 of 1

Terasen Gas				Uniwide Drilling Co. Ltd.				BOREHOLE NO: BH02-12-05			
Stage 2 Preliminary Site Investigation				Truck Mounted Solid Stem Auger				PROJECT NO: VE51267			
Boundary Road and Loughheed Highway								ELEVATION: 17.45 (m)			
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input checked="" type="checkbox"/> NO RETURN <input checked="" type="checkbox"/> SPLIT SPOON <input checked="" type="checkbox"/> AUGER FLYTES <input checked="" type="checkbox"/> CORE BARREL RUN <input checked="" type="checkbox"/> CORE SAMPLES											

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	<div style="text-align: center;"> ● GasTech Result (ppmv) ● 300 600 900 1200 </div>	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
0.0					FILL, Sand and Gravel with some Silt, well graded, medium to coarse grained Sand, fine to coarse grained Gravel, compact, moist, light rusty brown, no hydrocarbon odour or staining		Clean Backfill	17.0
					FILL, Sand with some Silt, trace Gravel, poorly graded, medium to fine grained Sand fine to coarse grained Gravel, compact to dense, moist, grey, no hydrocarbon odour or staining		Bentonite Seal	
					PEAT, amorphous Organics, trace rootlets, trace fine fibrous Organics, some Silt, trace Sand, soft, damp, dark brown, no hydrocarbon odour or staining		50 mm PVC Slotted Pipe	16.0
2.0							Silica Sand Filter	
					SAND, medium grained, loose to compact, damp, brown, no hydrocarbon odour or staining			15.0
					PEAT, amorphous Organics, trace rootlets, trace fine Organics, some Silt, trace Sand soft, damp, dark brown, no hydrocarbon odour or staining			14.0
4.0								
					Silt, some clay, soft, moist, grey no hydrocarbon odour or staining			13.0
					END OF BOREHOLE at 4.72 m			12.0
6.0								

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 4.7 m
	REVIEWED BY: CT	COMPLETE: 21/08/02
	Fig. No:	Page 1 of 1

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-12-06	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Loughheed Highway				ELEVATION: 17.48 (m)	
SAMPLE TYPE		<input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RETURN <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> AUGER FLYTES <input type="checkbox"/> CORE BARREL RUN <input type="checkbox"/> CORE SAMPLES			

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	GasTech Result (ppmv) 300 600 900 1200	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
0.0					FILL, Sand and Gravel, medium to coarse grained Sand and Gravel, loose, dry, light rusty brown, no hydrocarbon odour or staining		Clean Backfill	17.0
		SA1			ASPHALT			
		SA2			FILL, Sand with some Gravel, trace Silt, poorly graded, medium to fine grained Sand fine to coarse grained Gravel, loose to compact, moist, light brown, no hydrocarbon odour or staining		Bentonite Seal	
		SA3			SILT, some Sand, trace Gravel, soft, moist light grey with trace light brown, no hydrocarbon odour or staining			16.0
		SA4			PEAT, amorphous Organics, trace rootlets, trace fine fibrous Organics, some Silt, trace Sand, soft, damp, dark brown, no hydrocarbon odour or staining		Silica Sand Filter 50 mm PVC Slotted Pipe	
2.0		SA5			SILT, trace Sand, trace Clay, moldable, very soft, damp, medium brown, no hydrocarbon odour or staining			15.0
		SA6			PEAT, amorphous Organics, trace rootlets, trace fine Organics, some Silt, trace Sand soft, damp to wet, dark brown, no hydrocarbon odour or staining			14.0
		SA7			- decreased colour from dark brown to medium brown			
4.0		SA8			Silt, some clay, soft, moist, grey no hydrocarbon odour or staining			13.0
					END OF BOREHOLE at 4.5 m			
6.0								12.0

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 4.5 m
	REVIEWED BY: CT	COMPLETE: 24/09/02
	Fig. No:	Page 1 of 1

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-13-01	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Loughheed Highway				ELEVATION: 17.31 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input checked="" type="checkbox"/> NO RETURN <input checked="" type="checkbox"/> SPLIT SPOON <input checked="" type="checkbox"/> AUGER FLYTES <input checked="" type="checkbox"/> CORE BARREL RUN <input checked="" type="checkbox"/> CORE SAMPLES					

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	GasTech Result (ppmv) 300 600 900 1200	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
0.0		SA1			FILL, Sand, fine grained, uniform, compact moist, bluish grey, no hydrocarbon odour or staining		PAH and Metals	17.0
		SA2					Silica Sand	
							Bentonite Seal	
		SA3			PEAT, amorphous Organics, some fine hydrocarbon odour or staining trace Sand, soft, moist, dark brown, no fibrous Organics and Rootlets, some Silt,		Silica Sand Filter	16.0
2.0							50 mm PVC Slotted Pipe	
		SA4						15.0
		SA5					Clean Backfill	14.0
4.0								
								13.0
		SA6			SILT with some Clay, soft, moist, grey, no hydrocarbon odour or staining			12.0
6.0								

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 9.1 m
	REVIEWED BY: CT	COMPLETE: 06/05/02
	Fig. No:	Page 1 of 2

Terasen Gas			Uniwide Drilling Co. Ltd.			BOREHOLE NO: BH02-13-01		
Stage 2 Preliminary Site Investigation			Truck Mounted Solid Stem Auger			PROJECT NO: VE51267		
Boundary Road and Lougheed Highway						ELEVATION: 17.31 (m)		
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RETURN <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> AUGER FLYTES <input type="checkbox"/> CORE BARREL RUN <input type="checkbox"/> CORE SAMPLES								
DEPTH (m)	SAMPLE TYPE	SAMPLE NO	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)	
6.0							11.0	
							10.0	
8.0				TILL-like, Sand, some Silt and Gravel, dense, moist, grey, no hydrocarbon odour or staining			9.0	
				END OF BOREHOLE at 9.14 m			8.0	
10.0							7.0	
							6.0	
12.0								

AMEC Earth & Environmental Limited

LOGGED BY: KF
REVIEWED BY: CT
Fig. No:

COMPLETION DEPTH: 9.1 m
COMPLETE: 06/05/02

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Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-17-01	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Lougheed Highway				ELEVATION: 17.40 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED		<input checked="" type="checkbox"/> NO RETURN		<input checked="" type="checkbox"/> SPLIT SPOON	
		<input type="checkbox"/> AUGER FLYTES		<input type="checkbox"/> CORE BARREL RUN	
				<input type="checkbox"/> CORE SAMPLES	

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	GasTech Result (ppmv) 300 600 900 1200	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
0.0					ASPHALT			
		SA1			FILL, Sand and Gravel, medium to coarse grained, dense, moist, dark grey, no hydrocarbon odour or staining		LEPH/HEPH and Metals	17.0
		SA2						
		SA3						
		SA4			PEAT, amorphous Organics, trace fine soft, moist, dark brown, no hydrocarbon odour or staining		Bentonite Seal	
		SA5			fibrous Organics, some Silt, trace Sand,		Silica Sand Filter	16.0
		SA6			SILT with some Organics, soft, moist to wet, light brown, no hydrocarbon odour, or staining		50 mm PVC Slotted Pipe	
2.0		SA7			SAND, medium to coarse grained, loose, free water, light brown, no hydrocarbon odour or staining			
		SA8			PEAT, amorphous Organics, some Rootlets, soft, moist to wet, dark brown, no hydrocarbon odour or staining			15.0
					trace fine fibrous Organics, some Silt,			
					- Peat with increasing wood content, becoming darker in colour below 3.04 m		Bentonite Seal	14.0
		SA9			- increasing Silt content, softer consistency below 3.66 m			
4.0		SA10			SILT with some Clay, soft, moist, light grey, no hydrocarbon odour or staining		Clean Backfill	13.0
								12.0
6.0								

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 10.7 m
	REVIEWED BY: CT	COMPLETE: 06/05/02
	Fig. No:	Page 1 of 2

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-17-01	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Lougheed Highway				ELEVATION: 17.40 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RETURN		<input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> AUGER FLYTES		<input type="checkbox"/> CORE BARREL RUN <input type="checkbox"/> CORE SAMPLES	

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	GasTech Result (ppmv) 300 600 900 1200	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
6.0								
								11.0
								10.0
8.0								9.0
								8.0
					TILL-like, SAND, some Silt and Gravel, or staining dense, moist, grey, no hydrocarbon odour			7.0
10.0								6.0
					END OF BOREHOLE @ 10.67 m, dry upon completion			
12.0								

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 10.7 m
	REVIEWED BY: CT	COMPLETE: 06/05/02
	Fig. No:	Page 2 of 2

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-23-01	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Loughheed Highway				ELEVATION: 19.38 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED		<input checked="" type="checkbox"/> NO RETURN		<input checked="" type="checkbox"/> SPLIT SPOON	
		<input checked="" type="checkbox"/> AUGER FLYTES		<input type="checkbox"/> CORE BARREL RUN	
				<input type="checkbox"/> CORE SAMPLES	

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
0.0		SA1		ASPHALT		Flushmount Cover Concrete	
		SA2		FILL, Sand, medium grained Sand, fine to light brown, no hydrocarbon odour or staining			19.0
		SA3		coarse grained Gravel, compact, moist, FILL, Sand with some Silt, trace Gravel, trace Organics (topsoil) and trace Asphalt debris, fine to medium grained Sand, fine to wet, brown, no hydrocarbon odour or staining		Bentonite Seal	
		SA4		to coarse grained Gravel, compact, moist staining		Silica Sand Filter	18.0
				SILT with some Clay, soft, wet, brown, no hydrocarbon odour or staining		50 mm PVC Slotted Pipe	
2.0		SA5		TILL-like, SAND, some Silt and Gravel, with Sand Inclusions, fine grained Sand, wet, grey to rusty brown, no hydrocarbon fine to medium grained Gravel, dense, or staining			17.0
		SA6		SAND, medium grained, loose, free water, light brown, no hydrocarbon odour or staining			16.0
		SA7					15.0
4.0		SA8		TILL-like, Sand, some silt and gravel, dense, moist, grey, no hydrocarbon odour or staining			14.0
6.0				END OF BOREHOLE at 4.57 m			

AMEC Earth & Environmental Limited		LOGGED BY: KF	COMPLETION DEPTH: 4.6 m
		REVIEWED BY: CT	COMPLETE: 09/05/02
		Fig. No:	Page 1 of 1

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-27-01	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VE51267	
Boundary Road and Loughheed Highway				ELEVATION: 17.74 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED		<input checked="" type="checkbox"/> NO RETURN		<input checked="" type="checkbox"/> SPLIT SPOON	
		<input type="checkbox"/> AUGER FLYTES		<input type="checkbox"/> CORE BARREL RUN	
				<input type="checkbox"/> CORE SAMPLES	

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	GasTech Result (ppmv) 300 600 900 1200	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
0.0		SA1			FILL, Sand and Gravel, well graded, compact, moist, light brown, no hydrocarbon odour or staining	Silica Sand		
		SA2			FILL, Silt with some Sand, trace Gravel, odour or staining	Bentonite Seal		
		SA3			compact, moist, grey, no hydrocarbon	Silica Sand Filter		17.0
		SA4			PEAT, amorphous Organics, trace fine soft, moist, dark brown, no hydrocarbon odour or staining	50 mm PVC Slotted Pipe		
		SA5			fibrous Organics, trace Silt, trace Sand, SAND, fine to coarse grained, some Silt, hydrocarbon odour or staining	BTEX, VPH, VOCs, LEPH/HEPH and Metals		16.0
2.0		SA6			trace Organics, wet, grey-brown, no			
		SA7			PEAT, amorphous Organics, trace fibrous staining			15.0
					moist, dark brown, no hydrocarbon odour or Organics, some Silt, trace Sand, soft,	Clean Backfill		
4.0					- PEAT, amorphous Organics with trace wood inclusions up to 5 mm in diameter, trace Silt, soft, moist, black			14.0
								13.0
6.0					Silt with some Clay, soft, wet, grey, no hydrocarbon odour or staining			12.0

AMEC Earth & Environmental Limited		LOGGED BY: KF	COMPLETION DEPTH: 9.1 m
		REVIEWED BY: CT	COMPLETE: 06/05/02
		Fig. No:	Page 1 of 2

Terasen Gas			Uniwide Drilling Co. Ltd.			BOREHOLE NO: BH02-27-01		
Stage 2 Preliminary Site Investigation			Truck Mounted Solid Stem Auger			PROJECT NO: VE51267		
Boundary Road and Lougheed Highway						ELEVATION: 17.74 (m)		
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input checked="" type="checkbox"/> NO RETURN <input checked="" type="checkbox"/> SPLIT SPOON <input checked="" type="checkbox"/> AUGER FLYTES <input type="checkbox"/> CORE BARREL RUN <input type="checkbox"/> CORE SAMPLES								
DEPTH (m)	SAMPLE TYPE	SAMPLE NO	<div style="text-align: center;">● GasTech Result (ppmv) ● 300 600 900 1200</div>	SOIL SYMBOL	Soil Description	SLOTTED PIEZOMETER	Analyses Performed	ELEVATION(m)
6.0								
								11.0
								10.0
8.0					TILL-like, Sand, some Silt and Gravel, dense, moist, grey, no hydrocarbon odour or staining			9.0
					END OF BOREHOLE at 9.14 m			8.0
								7.0
10.0								6.0
12.0								

AMEC Earth & Environmental Limited

LOGGED BY: KF
 REVIEWED BY: CT
 Fig. No:

COMPLETION DEPTH: 9.1 m
 COMPLETE: 06/05/02

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Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-G-01	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VG07405	
Boundary Road and Loughheed Highway				ELEVATION: 17.33 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED		<input checked="" type="checkbox"/> NO RETURN		<input checked="" type="checkbox"/> SPLIT SPOON	
		<input type="checkbox"/> AUGER FLYTES		<input type="checkbox"/> CORE BARREL RUN	
				<input type="checkbox"/> CORE SAMPLES	

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	SOIL SYMBOL	Soil Description	INSTRUMENTATION DATA	Analyses Performed	ELEVATION(m)
0.0			ASPHALT				
		SA1	FILL	FILL, Sand and Gravel, well graded, light brown to light grey, no hydrocarbon odour or staining			17.0
		SA2	SAND	medium to coarse grained Sand, fine to coarse grained Gravel, dense, damp,			
		SA3	PEAT	PEAT, amorphous Organics, some fibrous soft, moist, dark brown, no hydrocarbon odour or staining			16.0
			SILT	Organics and Woody pieces, trace Silt,			
2.0		SA4	SILT	- increasing moisture content below 2.29 m - minor Sand inclusions at 2.29 m			15.0
		SA5	SILT				14.0
			SILT				13.0
4.0		SA6	SILT	SILT, some Clay, trace Gravel, soft, moist staining to wet, grey, no hydrocarbon odour or			12.0
			SILT				
6.0			SILT				

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 10.7 m
	REVIEWED BY: CT	COMPLETE: 09/05/02
	Fig. No:	Page 1 of 2

Terasen Gas			Uniwide Drilling Co. Ltd.			BOREHOLE NO: BH02-G-01		
Stage 2 Preliminary Site Investigation			Truck Mounted Solid Stem Auger			PROJECT NO: VG07405		
Boundary Road and Loughhead Highway						ELEVATION: 17.33 (m)		
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input checked="" type="checkbox"/> NO RETURN <input checked="" type="checkbox"/> SPLIT SPOON <input checked="" type="checkbox"/> AUGER FLYTES <input type="checkbox"/> CORE BARREL RUN <input type="checkbox"/> CORE SAMPLES								

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	● GasTech Result (ppmv) ● 300 600 900 1200	SOIL SYMBOL	Soil Description	INSTRUMENTATION DATA	Analyses Performed	ELEVATION(m)
6.0								11.0
								10.0
8.0								9.0
								8.0
10.0		SA7			TILL-like, SAND, some Silt and Gravel, staining dense, moist, no hydrocarbon odour or			7.0
					END OF BOREHOLE at 10.67 m			6.0
12.0								

AMEC Earth & Environmental Limited

LOGGED BY: KF

REVIEWED BY: CT

Fig. No:

COMPLETION DEPTH: 10.7 m

COMPLETE: 09/05/02

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Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-G-02	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VG07405	
Boundary Road and Lougheed Highway				ELEVATION: 17.39 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RETURN <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> AUGER FLYTES <input type="checkbox"/> CORE BARREL RUN <input type="checkbox"/> CORE SAMPLES					

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	SOIL SYMBOL	Soil Description	INSTRUMENTATION DATA	Analyses Performed	ELEVATION(m)
0.0			ASPHALT				
		SA1		FILL, Sand and Gravel with some Silt, well graded, medium to coarse grained Sand, damp, weathered brown, no hydrocarbon			17.0
		SA2		fine to coarse grained Gravel, compact, odour or staining			
		SA3		FILL, fine grained Sand with trace Silt hydrocarbon odour or staining and Gravel, compact, damp, grey, no			
				PEAT, amorphous Organics, some fibrous brown, no hydrocarbon odour or staining Organics with Woody pieces, moist, dark			16.0
2.0		SA4		SAND, medium to coarse grained, compact, wet to free water, greyish brown, no hydrocarbon odour or staining			15.0
		SA5		PEAT, amorphous Organics, some fibrous rusty brown, no hydrocarbon odour or staining Organics with Woody pieces, soft, moist,			
				- increasing Silt content below 4.27 m			14.0
4.0				SILT with some Clay, soft, wet, grey, no hydrocarbon odour or staining			13.0
		SA6					12.0
6.0							

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 10.7 m
	REVIEWED BY: CT	COMPLETE: 09/05/02
	Fig. No:	Page 1 of 2

Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-G-02	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VG07405	
Boundary Road and Loughheed Highway				ELEVATION: 17.39 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED		<input type="checkbox"/> NO RETURN		<input checked="" type="checkbox"/> SPLIT SPOON	
		<input type="checkbox"/> AUGER FLYTES		<input type="checkbox"/> CORE BARREL RUN	
				<input type="checkbox"/> CORE SAMPLES	

DEPTH (m)	SAMPLE TYPE	SAMPLE NO	Soil Description	INSTRUMENTATION DATA	Analyses Performed	ELEVATION(m)
6.0		SA6				11.0
						10.0
8.0						9.0
						8.0
10.0		SA7	TILL-like, SAND, some Silt and Gravel, or staining dense, moist, grey, no hydrocarbon odour			7.0
			END OF BOREHOLE at 10.67 m			6.0
12.0						

AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 10.7 m
	REVIEWED BY: CT	COMPLETE: 09/05/02
	Fig. No:	Page 2 of 2


Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-G-03	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VG07405	
Boundary Road and Loughheed Highway				ELEVATION: 17.91 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED		<input checked="" type="checkbox"/> NO RETURN		<input checked="" type="checkbox"/> SPLIT SPOON	
		<input type="checkbox"/> AUGER FLYTES		<input type="checkbox"/> CORE BARREL RUN	
				<input type="checkbox"/> CORE SAMPLES	


DEPTH (m)	SAMPLE TYPE	SAMPLE NO	● GasTech Result (ppmv) ● 300 600 900 1200	SOIL SYMBOL	Soil Description	INSTRUMENTATION DATA	Analyses Performed	ELEVATION(m)
0.0					ASPHALT			
		SA1			FILL, Sand and Gravel with some Silt, well dense, moist to damp, brown, no hydrocarbon odour or staining			
		SA2			graded, medium to coarse grained Sand, fine to coarse grained Gravel, compact to			
		SA3			PEAT, amorphous Organics, some fibrous hydrocarbon odour or staining			17.0
					Organics and wood pieces, some Silt, trace sand, soft, moist, dark brown, no			
2.0		SA4			SAND, medium grained, loose, wet, light brown, no hydrocarbon odour or staining			16.0
					PEAT, amorphous Organics, trace fibrous brown, no hydrocarbon odour or staining			
		SA5			Organics, some silt, soft, moist, dark SILT, trace Sand and Gravel, soft, wet, gray, no hydrocarbon odour or staining			15.0
4.0		SA6			TILL, Sand with some Silt and Gravel, or staining			14.0
					dense, moist, grey, no hydrocarbon odour			
		SA7						13.0
6.0								12.0


AMEC Earth & Environmental Limited	LOGGED BY: KF	COMPLETION DEPTH: 6.1 m
	REVIEWED BY: CT	COMPLETE: 09/05/02
	Fig. No:	Page 1 of 2


Terasen Gas		Uniwide Drilling Co. Ltd.		BOREHOLE NO: BH02-G-03	
Stage 2 Preliminary Site Investigation		Truck Mounted Solid Stem Auger		PROJECT NO: VG07405	
Boundary Road and Lougheed Highway				ELEVATION: 17.91 (m)	
SAMPLE TYPE <input checked="" type="checkbox"/> DISTURBED		<input checked="" type="checkbox"/> NO RETURN		<input checked="" type="checkbox"/> SPLIT SPOON	
		<input checked="" type="checkbox"/> AUGER FLYTES		<input type="checkbox"/> CORE BARREL RUN	
				<input type="checkbox"/> CORE SAMPLES	
DEPTH (m)	SAMPLE TYPE	SAMPLE NO	SOIL SYMBOL	Soil Description	INSTRUMENTATION DATA
					Analyses Performed
6.0		SA7		END OF BOREHOLE at 6.10 m	
8.0					
10.0					
12.0					


APPENDIX D
TEST PIT LOGS

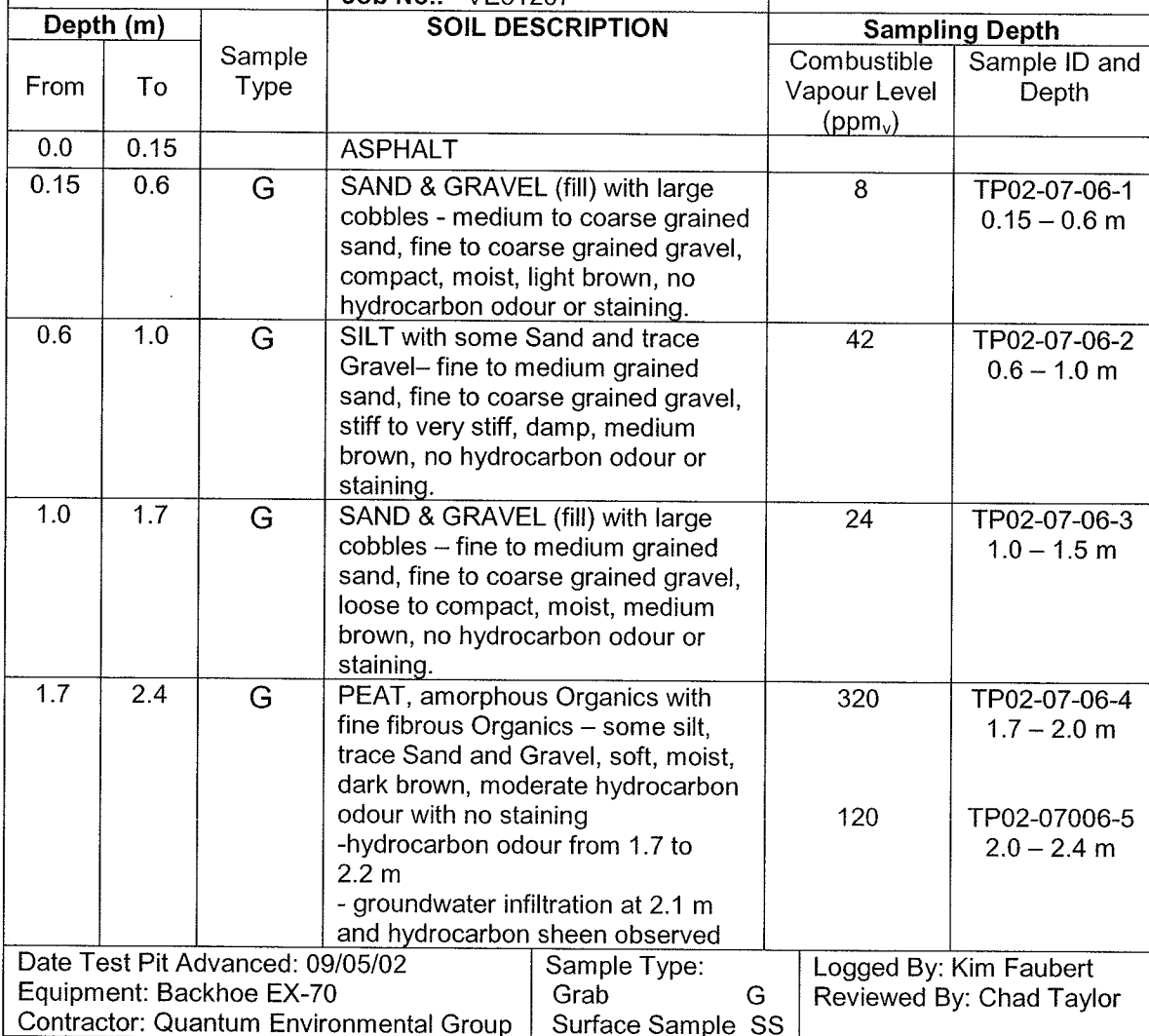
			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG Test Pit No.: TP02-07-01 Elevation: 17.83 m	
			SOIL DESCRIPTION		Sampling Depth	
Depth (m) From To		Sample Type			Combustible Vapour Level (ppm _v)	Sample ID and Depth
0.0	0.15		ASPHALT			
0.15	1.0	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, compact, moist, light brown, no hydrocarbon odour or staining. - increasing moisture content from moist to damp at 0.5 m		12	TP02-07-01-1 0.15 – 0.5 m
					12	TP02-07-01-2 0.5 – 1.0 m
1.0	2.0	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, compact, wet, grey, no hydrocarbon odour or staining.		32	TP02-07-01-3 1.0 – 2.0 m
Date Test Pit Advanced: 09/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS		Logged By: Kim Faubert Reviewed By: Chad Taylor	


			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-07-02 Elevation: 18.03 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth	
0.0	0.15		ASPHALT			
0.15	0.5	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, light brown, no hydrocarbon odour or staining.	22	TP02-07-02-1 0.15 – 0.5 m	
0.5	0.65	G	SAND with trace Gravel (fill) – compact, dry, grey, no hydrocarbon odour or staining.	50	TP02-07-02-2 0.5 – 0.65 m	
0.65	2.0	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, light brown, no hydrocarbon odour or staining.	20	TP02-07-02-3 0.65 – 1.5 m	
				10	TP02-07-02-4 1.5 – 2.0	
Date Test Pit Advanced: 09/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor		


			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG
			Test Pit No.: TP02-07-03 Elevation: 17.89 m		
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth	
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth
0.0	0.5	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, light brown, no hydrocarbon odour or staining.	12	TP02-07-03-1 0.0 – 0.5 m
0.5	1.4	G	SAND & GRAVEL (fill) with trace Silt - medium to coarse grained sand, fine to coarse grained gravel, compact, damp, grey, slight hydrocarbon odour with no staining. - increasing moisture content from damp to wet at 1.2 m	2 18	TP02-07-03-2 0.5 – 1.0 m TP02-07-03-3 1.0 – 1.4 m
1.4	2.2	G	PEAT, amorphous Organics with fine fibrous Organics and woody pieces– some Silt, trace Sand and Gravel, soft, moist, dark brown, no hydrocarbon odour or staining	8	TP02-07-03-4 1.4 – 2.2 m
2.2	2.4	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, compact, wet, grey, slight hydrocarbon odour with no staining.	4	TP02-07-03-5 2.2 – 2.4 m
Date Test Pit Advanced: 09/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor	


			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-07-04 Elevation: 18.04 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth	
0.0	0.9	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, light brown, no hydrocarbon odour or staining.	4	TP02-07-04-1 0.0 – 0.5 m	
				2	TP02-07-04-2 0.5 – 0.9 m	
0.9	2.0	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, compact, moist, light brown to grey, slight hydrocarbon odour with no staining. - increasing moisture content from moist to damp at 1.7 m	32	TP02-07-04-3 1.0 – 2.0 m	
Date Test Pit Advanced: 09/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor		


		Client: Terasen Gas Address: Boundary Road and Loughheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
				Test Pit No.: TP02-07-05 Elevation: 17.77 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth	
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth
0.0	0.6	G	SAND & GRAVEL (fill) with some concrete rubble - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, light to medium brown, no hydrocarbon odour or staining.	0	TP02-07-05-1 0.0 – 0.6 m
0.6	1.1	G	SILT with trace Cobbles—stiff to very stiff, dry to moist, brownish-grey, no hydrocarbon odour or staining.	12	TP02-07-05-2 0.6 – 1.1 m
1.1	1.7	G	PEAT, amorphous Organics with fine fibrous Organics – some Silt, trace Sand and Gravel, soft, moist, dark brown, no hydrocarbon odour or staining	78	TP02-07-05-3 1.1 – 1.7 m
1.7	2.1	G	PEAT, amorphous Organics with trace fibrous Organics and woody pieces – some Silt, trace Sand and Gravel soft, moist, light brown, no hydrocarbon odour or staining.	76	TP02-07-05-4 1.7 – 2.1 m
Date Test Pit Advanced: 09/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor	





			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-07-07 Elevation: 17.87 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth	
0.0	0.1		ASPHALT			
0.1	1.0	G	SAND & GRAVEL (fill) with trace large cobbles - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, medium brown, no hydrocarbon odour or staining.	0	TP02-07-07-1 0.1 – 0.5 m	
				22	TP02-07-07-2 0.5 – 1.0 m	
1.0	2.0	G	SILT with trace Gravel – fine to medium grained gravel, stiff, moist, grey, no hydrocarbon odour or staining.	32	TP02-07-07-3 1.0 – 2.0 m	
Date Test Pit Advanced: 13/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS		Logged By: Kim Faubert Reviewed By: Chad Taylor	


			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-07-08 Elevation: 17.37 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth	
0.0	0.5	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, medium brown, no hydrocarbon odour or staining.	2	TP02-07-08-1 0.0 – 0.5 m	
0.5	1.2	G	PEAT, amorphous Organics with fine fibrous Organics – some silt, trace Sand and Gravel, soft, moist, dark brown, no hydrocarbon odour or staining	27	TP02-07-08-2 0.5- 1.2 m	
1.2	2.0	G	SAND – fine to medium grained sand, compact, damp, medium brown to light grey, no hydrocarbon odour or staining	25	TP02-07-08-3 1.2 – 2.0 m	
Date Test Pit Advanced: 13/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS		Logged By: Kim Faubert Reviewed By: Chad Taylor	


			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-07-09 Elevation: 17.48 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm _v)	Sample ID and Depth	
0.0	1.1	G	SAND & GRAVEL (fill) with large cobbles - medium to coarse grained sand, fine to coarse grained gravel, compact, moist, medium brown, no hydrocarbon odour or staining.	0	TP02-07-09-1 0.0 – 0.5 m	
				22	TP02-07-09-2 0.5 – 1.1 m	
1.1	2.0	G	PEAT, amorphous Organics with fine fibrous Organics – some silt, trace Sand and Gravel, soft, moist, dark brown, no hydrocarbon odour or staining	70	TP02-07-09-3 1.1 – 2.0 m	
Date Test Pit Advanced: 13/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor		


			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-10-01 Elevation: 17.60 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth	
0.0	0.25	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, loose to compact, damp, medium brown, no hydrocarbon odour or staining. - geo-synthetic liner at 0.1 m	22	TP02-10-01-1 0.0 – 0.25 m	
Date Test Pit Advanced: 14/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor		

			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-10-02 Elevation: 17.62 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth	
0.0	0.25	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, loose to compact, damp, medium brown, no hydrocarbon odour or staining. - geo-synthetic liner at 0.1 m	18	TP02-10-02-1 0.0 – 0.25 m	
Date Test Pit Advanced: 14/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor		

			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-10-03 Elevation: 17.68 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth	
0.0	0.25	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, loose to compact, damp, medium brown, no hydrocarbon odour or staining. - geo-synthetic liner at 0.1 m	20	TP02-10-03-1 0.0 – 0.25 m	
Date Test Pit Advanced: 14/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor		

			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-10-04 Elevation: 17.70 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm _v)	Sample ID and Depth	
0.0	0.25	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, loose to compact, damp, medium brown, no hydrocarbon odour or staining. - geo-synthetic liner at 0.1 m	10	TP02-10-04-1 0.0 – 0.25 m	
Date Test Pit Advanced: 14/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS		Logged By: Kim Faubert Reviewed By: Chad Taylor	

			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-11-01 Elevation: 17.33 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth	
0.0	0.3	G	SAND & GRAVEL (fill) with trace Silt - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, light brown with mottled reddish brown streaks, no hydrocarbon odour or staining.	0	TP02-11-01-1 0.0 – 0.3 m	
0.3	0.8	G	SAND with some Silt– fine to medium grained sand, compact, dry, grey, no hydrocarbon odour or staining. - increasing moisture content from dry to moist at 0.5 m	34	TP02-11-01-2 0.3 - 0.8 m	
0.8	2.0	G	PEAT, amorphous Organics, some fibrous Organics and Rootlets – some silt, trace Sand and Gravel soft, moist, dark brown, no hydrocarbon odour or staining. - ground water infiltration at 1.8 m	52 40	TP02-11-01-3 0.8 – 1.8 m TP02-1101-4 1.8 – 2.0 m	
Date Test Pit Advanced: 10/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS		Logged By: Kim Faubert Reviewed By: Chad Taylor	

			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-11-02 Elevation: 17.27 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth	
0.0	0.15		ASPHALT			
0.15	0.8	G	SAND & GRAVEL (fill) with some Cobbles - medium to coarse grained sand, fine to coarse grained gravel, compact, moist, light to medium brown with mottled reddish brown streaks, no hydrocarbon odour or staining. - Asphalt layer from 0.25 - 0.35 m	26	TP02-11-02-1 0.15 – 0.8 m	
0.8	1.4	G	SAND with some Silt– fine to medium grained sand, compact, moist, grey, no hydrocarbon odour or staining.	30	TP02-11-02-2 0.8 – 1.4 m	
1.4	2.0	G	PEAT, amorphous Organics, some fibrous Organics and Rootlets – some silt, trace Sand and Gravel soft, moist, dark brown, no hydrocarbon odour or staining.	58	TP02-11-02-3 1.4 – 2.0 m	
Date Test Pit Advanced: 10/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor		

Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth	
From	To			Combustible Vapour Level (ppm _v)	Sample ID and Depth
0.0	0.4	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, medium brown, no hydrocarbon odour or staining.	3	TP02-12-01-1 0.0 – 0.4 m
0.4	0.6	G	SAND with some Silt– fine to medium grained sand, compact to dense, dry, grey, no hydrocarbon odour or staining.	40	TP02-12-01-2 0.4 – 0.6 m
0.6	1.2	G	PEAT, amorphous Organics, some fibrous Organics and Rootlets – some silt, trace Sand and Gravel soft, moist, dark brown, no hydrocarbon odour or staining.	110	TP02-12-01-3 0.6 – 1.2 m
1.2	2.0	G	PEAT, amorphous Organics, trace fibrous Organics and Rootlets – some silt, trace Sand and Gravel soft, damp, light brown, no hydrocarbon odour or staining.	66	TP02-12-01-4 1.2 –2.0 m

Date Test Pit Advanced: 10/05/02
Equipment: Backhoe EX-70
Contractor: Quantum Environmental Group


Sample Type:
Grab G
Surface Sample SS


Logged By: Kim Faubert
Reviewed By: Chad Taylor


Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth	
From	To			Combustible Vapour Level (ppm _v)	Sample ID and Depth
0.0	0.5	G	SAND & GRAVEL (fill) with some Silt - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, medium brown to grey, no hydrocarbon odour or staining. - increasing moisture content from dry to moist at 0.3 m	6	TP02-12-02-1 0.0 – 0.5 m
0.5	1.2	G	PEAT, amorphous Organics, some fibrous Organics and Rootlets – some silt, trace Sand and Gravel soft, moist, dark brown, no hydrocarbon odour or staining.	88	TP02-12-02-2 0.5 – 1.2 m
1.2	2.0	G	PEAT, amorphous Organics, some fibrous Organics – some silt, trace Sand and Gravel, soft, damp, dark brown, no hydrocarbon odour or staining.	60	TP02-12-02-3 1.2 – 2.0 m


Date Test Pit Advanced: 10/05/02		Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor
Equipment: Backhoe EX-70			
Contractor: Quantum Environmental Group			


Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth	
From	To			Combustible Vapour Level (ppm _v)	Sample ID and Depth
0.0	0.15		ASPHALT		
0.15	0.7	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, medium brown, no hydrocarbon odour or staining. -Asphalt layer at 0.2 to 0.3 m	18	TP02-12-04-1 0.15 – 0.7 m
0.7	1.2	G	Sand with some Silt– fine to medium grained sand, compact to dense, dry, grey, no hydrocarbon odour or staining.	72	TP02-12-04-2 0.7 – 1.2 m
1.2	1.8	G	PEAT, amorphous Organics, some fibrous Organics and Rootlets – some silt, trace Sand and Gravel soft, moist, dark brown, no hydrocarbon odour or staining.	52	TP02-12-04-3 1.2 – 1.8 m
1.8	2.0	G	SAND- fine to medium grained sand, loose to compact, damp, medium brown, no hydrocarbon odour or staining	26	TP02-12-04-4 1.8 –2.0 m
Date Test Pit Advanced: 10/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor	


		Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG Test Pit No.: TP02-12-05 Elevation: 17.29 m	
		SOIL DESCRIPTION		Sampling Depth	
Depth (m) From To		Sample Type	Combustible Vapour Level (ppm _v) Sample ID and Depth		
0.0	0.5	G	SAND & GRAVEL (fill) with trace Silt - medium to coarse grained sand, fine to coarse grained gravel, compact, moist, medium brown, no hydrocarbon odour or staining.		
0.5	1.8	G	PEAT, amorphous Organics, some fibrous Organics and Rootlets – some silt, trace Sand and Gravel soft, moist, dark brown, no hydrocarbon odour or staining. - planks of wood at 1.2 m		
1.8	1.8		REFUSAL possibly on a concrete slab - ground water infiltration		
Date Test Pit Advanced: 10/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS		Logged By: Kim Faubert Reviewed By: Chad Taylor


			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG
			Test Pit No.: TP02-12-06 Elevation: 17.21 m		
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth	
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth
0.0	0.8	G	SAND & GRAVEL (fill) with some Silt - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, medium brown to grey, no hydrocarbon odour or staining.	20	TP02-12-06-1 0.0 – 0.4 m
				20	TP02-12-06-2 0.4 – 0.8 m
0.8	1.6	G	PEAT, amorphous Organics, some fibrous Organics and Rootlets – some silt, trace Sand and Gravel soft, moist, dark brown, no hydrocarbon odour or staining.	50	TP02-12-06-3 0.8 – 1.6 m
1.6	2.0	G	PEAT, amorphous Organics, some fibrous Organics and Woody pieces – some silt, trace Sand and Gravel soft, moist, dark brown, no hydrocarbon odour or staining.	50	TP02-12-06-4 1.6 – 2.0 m
Date Test Pit Advanced: 10/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor	


		Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
				Test Pit No.: TP02-13-01 Elevation: 17.20 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth	
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth
0.0	0.4	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, light brown, no hydrocarbon odour or staining.	0	TP02-13-01-1 0.0 – 0.4 m
0.4	0.6	G	SAND with some Silt– fine to medium grained sand, compact, moist, light brown with mottled reddish brown streaks, no hydrocarbon odour or staining.	20	TP02-13-01-2 0.4 –0.6 m
0.6	1.3	G	PEAT, amorphous Organics, some fibrous Organics and Rootlets – some silt, trace Sand and Gravel soft, damp, dark brown, slight septic odour with no staining.	60	TP02-13-01-3 0.6 – 1.3 m
1.3	2.0	G	PEAT, amorphous Organics, some fibrous Organics and Rootlets – some silt, trace Sand and Gravel soft, damp, medium brown, no hydrocarbon odour or staining.	56	TP02-13-01-4 1.3 – 2.0 m
Date Test Pit Advanced: 10/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor	


			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-13-02 Elevation: 17.41 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth	
0.0	0.15		ASPHALT			
0.15	0.5	G	SAND & GRAVEL (fill) with some Cobbles - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, medium brown, no hydrocarbon odour or staining. - Asphalt layer from 0.25 to 0.3 m	22	TP02-13-02-1 0.15 – 0.5 m	
0.5	1.0	G	SILT with trace Sand – fine to medium grained sand, stiff to very stiff, moist, grey, no hydrocarbon odour or staining.	30	TP02-13-02-2 0.5 – 1.0 m	
1.1	1.8	G	PEAT, amorphous Organics, some fibrous Organics and Rootlets – some silt, trace Sand and Gravel soft, moist, dark brown, no hydrocarbon odour or staining.	30	TP02-13-02-3 1.0 – 1.8 m	
1.8	2.0	G	PEAT, amorphous Organics, some fibrous Organics – some silt, trace Sand and Gravel soft, damp, medium brown, no hydrocarbon odour or staining.	48	TP02-13-02-4 1.8 – 2.0 m	
Date Test Pit Advanced: 10/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS		Logged By: Kim Faubert Reviewed By: Chad Taylor	

			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
			Test Pit No.: TP02-13-03 Elevation: 17.30 m			
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth	
0.0	0.15		ASPHALT			
0.15	0.8	G	SAND & GRAVEL (fill) with some Cobbles - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, medium brown, no hydrocarbon odour or staining.	8	TP02-13-03-1 0.15 – 0.8 m	
0.8	1.7	G	SAND with some Silt– fine to medium grained sand, compact, moist, grey, no hydrocarbon odour or staining.	26	TP02-13-03-2 0.8 – 1.7 m	
1.7	2.0	G	PEAT, amorphous Organics, some fibrous Organics and Woody pieces – some silt, trace Sand and Gravel soft, damp, dark brown, no hydrocarbon odour or staining.	54	TP02-13-03-3 1.7 – 2.0 m	
Date Test Pit Advanced: 10/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS		Logged By: Kim Faubert Reviewed By: Chad Taylor	


			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-13-04 Elevation: 17.56 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm _v)	Sample ID and Depth	
0.0	0.15		ASPHALT			
0.15	1.0	G	SAND & GRAVEL (fill) with large Cobbles - medium to coarse grained sand, fine to coarse grained gravel, loose to compact, dry, brown, no hydrocarbon odour or staining. - increasing moisture content from dry to moist at 0.5 m	18	TP02-13-04-1 0.15 – 0.5 m	
				34	TP02-13-04-2 0.5 – 1.0 m	
1.0	1.4	G	SAND with some Silt and large cobbles - medium to coarse grained sand, fine to coarse grained gravel, compact, damp to wet, light brown to grey with mottled reddish brown streaks, no hydrocarbon odour or staining.	25	TP02-13-04-3 1.0 – 2.0 m	
Date Test Pit Advanced: 10/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor		


			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-08-01 Elevation: 20.12 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth	
0.0	0.4	G	SAND & GRAVEL (fill) with large cobbles and trace Wood inclusions - medium to coarse grained sand, fine to coarse grained gravel, compact, moist, medium brown, no hydrocarbon odour or staining.	21	TP02-08-01-1 0.0 – 0.4 m	
0.4	1.5	G	SILT with trace Sand– fine grained sand, stiff, moist, medium brown, no hydrocarbon odour or staining.	26 32	TP02-08-01-2 0.4 – 1.0 m TP02-08-01-3 1.0 – 1.5 m	
1.5	2.0	G	SILT with trace Gravel– fine to coarse grained gravel, very stiff, damp, light bluish grey, no hydrocarbon odour or staining.	30	TP02-08-01-4 1.5 – 2.0 m	
Date Test Pit Advanced: 13/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS		Logged By: Kim Faubert Reviewed By: Chad Taylor	


			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG
			Test Pit No.: TP02-08-02 Elevation: 20.11 m		
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth	
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth
0.0	0.25	G	SAND & GRAVEL (fill) with some Grass and Rootlets - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, light brown, no hydrocarbon odour or staining.	16	TP02-08-02-1 0.0 – 0.25 m
0.25	1.0	G	SILT with some Sand and trace Gravel and Wood inclusions– fine grained sand, fine to coarse grained gravel, stiff, moist, medium brown, no hydrocarbon odour or staining.	2	TP02-08-02-2 0.25 – 1.0 m
1.0	1.5	G	PEAT, amorphous Organics with some Rootlets – some silt, trace Sand and Gravel, soft, moist, medium brown, no hydrocarbon odour or staining.	60	TP02-08-02-3 1.0 – 1.5 m
1.5	2.0	G	PEAT, amorphous Organics – some silt, trace Sand and Gravel, soft, moist, bluish grey, no hydrocarbon odour or staining. - increasing moisture content from damp to wet at 1.8 m	26	TP02-08-02-4 1.5 – 2.0 m
Date Test Pit Advanced: 09/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor	


			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG
			Test Pit No.: TP02-08-03 Elevation: 19.53 m		
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth	
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth
0.0	0.15		ASPHALT		
0.15	0.4	G	SAND with trace Gravel (Fill) - fine to medium grained sand, fine to coarse grained gravel, loose to compact, moist, light brown to light grey with mottled reddish brown streaks, no hydrocarbon odour or staining.	19	TP02-08-03-1 0.15 – 0.4 m
0.4	2.0	G	SILT with trace Sand – fine grained sand, stiff, moist, light to medium brown with mottled reddish brown streaks, no hydrocarbon odour or staining. - increasing moisture content from moist to damp at 1.5 m	34 30	TP02-08-03-2 0.4 – 0.9 m TP02-08-03-4 1.0 – 2.0 m
Date Test Pit Advanced: 09/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS		Logged By: Kim Faubert Reviewed By: Chad Taylor


			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG Test Pit No.: TP02-08-04 Elevation: 19.02 m	
			SOIL DESCRIPTION		Sampling Depth	
Depth (m) From To		Sample Type			Combustible Vapour Level (ppm _v)	Sample ID and Depth
0.0	0.15		ASPHALT			
0.15	0.4	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, compact, moist, light brown, no hydrocarbon odour or staining.		20	TP02-08-04-1 0.15 – 0.4 m
0.4	0.5	G	SAND – medium grained sand, loose to compact, moist, light grey, no hydrocarbon odour or staining.		34	TP02-08-04-2 0.4 – 0.5 m
0.5	1.0	G	SILT with trace Sand and Asphalt – fine grained sand, stiff, moist, brown to grey, no hydrocarbon odour or staining. - asphalt and granite at 0.6 m		43	TP02-08-04-3 0.5 – 1.0 m
1.0	1.7	G	PEAT, amorphous Organics with some Rootlets – some silt, trace Sand and Gravel, soft, moist, medium brown, no hydrocarbon odour or staining.		96	TP02-08-04-4 1.0 – 1.5 m
1.7	2.0	G	PEAT, amorphous Organics – some silt, trace Sand and Gravel, soft, moist, bluish grey, no hydrocarbon odour or staining		52	TP02-08-04-5 1.7 – 2.0 m
Date Test Pit Advanced: 09/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS		Logged By: Kim Faubert Reviewed By: Chad Taylor	


		Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
				Test Pit No.: TP02-17-01 Elevation: 17.42 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth	
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth
0.0	0.5	G	SAND & GRAVEL (fill) with large cobbles - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, light to medium brown, no hydrocarbon odour or staining.	14	TP02-17-01-1 0.0 – 0.5 m
0.5	0.9	G	PEAT, amorphous Organics, some fibrous Organics and Rootlets and Woody pieces – some silt, trace Sand and Gravel, soft, moist, dark brown, no hydrocarbon odour or staining.	64	TP02-17-01-2 0.5 – 0.9 m
0.9	1.8	G	PEAT, amorphous Organics, some fibrous Organics and Woody pieces – some silt, trace Sand and Gravel, soft, moist, dark brown, no hydrocarbon odour or staining.	11	TP02-17-01-3 0.9 – 1.8 m
1.8	2.0	G	PEAT, amorphous Organics, some fibrous Organics and Woody pieces – some silt, trace Sand and Gravel, soft, damp, dark brown, no hydrocarbon odour or staining.	120	TP02-17-01-4 1.8 – 2.0 m
Date Test Pit Advanced: 10/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor	


		Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
				Test Pit No.: TP02-17-02 Elevation: 17.35 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth	
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth
0.0	1.2	G	SAND & GRAVEL (fill) with large cobbles - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, light to medium brown, no hydrocarbon odour or staining.	16	TP02-17-02-1 0.0 – 0.5 m
				22	TP02-17-02-2 0.5 – 1.2 m
1.2	1.7	G	PEAT, amorphous Organics, some fibrous Organics and Rootlets – some silt, trace Sand and Gravel, soft, moist, dark brown, no hydrocarbon odour or staining.	90	TP02-17-02-3 1.2 – 1.7 m
1.7	2.0	G	PEAT, amorphous Organics, some fibrous Organics and trace Rootlets – some silt, trace Sand and Gravel soft, damp, light brown, no hydrocarbon odour or staining.	75	TP02-17-02-4 1.7 – 2.0 m
Date Test Pit Advanced: 10/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor	


			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG Test Pit No.: TP02-17-03 Elevation: 17.51 m	
			SOIL DESCRIPTION		Sampling Depth	
Depth (m) From To		Sample Type			Combustible Vapour Level (ppm _v)	Sample ID and Depth
0.0	0.5	G	SAND & GRAVEL (fill) with large cobbles - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, brown, no hydrocarbon odour or staining.		28	TP02-17-03-1 0.0 – 0.5 m
0.5	0.9	G	SILT with trace Rootlets and Wood Inclusions – Organic Silt, soft, moist, dark brown, no hydrocarbon odour or staining		17	TP02-17-03-2 0.5 – 0.9 m
0.9	1.7	G	PEAT, amorphous Organics, some fibrous Organics and Rootlets – some silt, trace Sand and Gravel soft, moist, dark brown, no hydrocarbon odour or staining.		72	TP02-17-03-3 0.9 – 1.7 m
1.7	2.0	G	PEAT, amorphous Organics, some fibrous Organics and Woody pieces – some silt, trace Sand and Gravel soft, damp, dark brown, no hydrocarbon odour or staining.		34	TP02-17-03-4 1.7 – 2.0 m
Date Test Pit Advanced: 10/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS		Logged By: Kim Faubert Reviewed By: Chad Taylor	

			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-17-04 Elevation: 17.46 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth	
0.0	1.0	G	SAND & GRAVEL (fill) with large cobbles - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, light to medium brown, no hydrocarbon odour or staining.	6	TP02-17-04-1 0.0 – 0.5 m	
				14	TP02-17-04-2 0.5 – 1.0 m	
1.0	1.6	G	PEAT, amorphous Organics, some fibrous Organics and Rootlets – some silt, trace Sand and Gravel soft, moist, dark brown, no hydrocarbon odour or staining.	84	TP02-17-04-3 1.0 – 1.6 m	
1.6	2.0	G	PEAT, amorphous Organics, some fibrous Organics and Rootlets – some silt, trace Sand and Gravel soft, damp, light brown, no hydrocarbon odour or staining.	72	TP02-17-04-4 1.6 – 2.0 m	
Date Test Pit Advanced: 10/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor		

			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
			Test Pit No.: TP02-23-01 Elevation: 20.21 m			
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth	
0.0	0.4	G	SAND & GRAVEL (fill) with large cobbles and trace Wood inclusions - medium to coarse grained sand, fine to coarse grained gravel, compact, moist, medium brown, no hydrocarbon odour or staining.	10	TP02-23-01-1 0.0 – 0.4 m	
0.4	1.8	G	SILT with trace Sand– fine grained sand, stiff, moist, medium brown, no hydrocarbon odour or staining. - increasing moisture content from moist to damp at 1.4 m	70 67	TP02-23-01-2 0.4 – 1.0 m TP02-23-01-3 1.0 – 1.8 m	
1.8	2.0	G	SILT with trace Gravel– fine to coarse grained gravel, very stiff, damp, bluish grey, no hydrocarbon odour or staining.	30	TP02-23-01-4 1.8 – 2.0 m	
Date Test Pit Advanced: 13/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor		

			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-23-02 Elevation: 19.97 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth	
0.0	0.4	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, light brown, no hydrocarbon odour or staining.	2	TP02-23-02-1 0.0 – 0.4 m	
0.4	1.2	G	SILT with trace Sand and Gravel– fine grained sand, fine to coarse grained gravel, very stiff, moist, medium brown, no hydrocarbon odour or staining. - increasing moisture content from moist to damp at 1.0 m	22	TP02-23-02-2 0.4 – 1.2 m	
1.2	1.9	G	SILT– very stiff, damp, medium brown, no hydrocarbon odour or staining.	28	TP02-23-02-3 1.2 – 1.9 m	
1.9	2.2	G	SILT with trace Gravel– fine to medium grained gravel, very stiff, damp, light brown, no hydrocarbon odour or staining.	15	TP02-23-02-4 1.9 – 2.2 m	
Date Test Pit Advanced: 13/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS		Logged By: Kim Faubert Reviewed By: Chad Taylor	

			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267		TEST PIT LOG	
					Test Pit No.: TP02-23-03 Elevation: 19.19 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth		
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth	
0.0	0.1		ASPHALT			
0.1	0.5	G	SAND & GRAVEL (fill) - medium to coarse grained sand, fine to coarse grained gravel, compact, dry, light brown, no hydrocarbon odour or staining.	20	TP02-23-03-1 0.1 – 0.5 m	
0.5	0.6		ASPHALT			
0.6	2.0	G	SILT with trace Sand and Gravel—fine grained sand, fine to coarse grained gravel, very stiff, moist, medium brown, no hydrocarbon odour or staining.	65	TP02-23-03-2 0.6 – 1.1 m	
				16	TP02-23-03-3 1.1 – 2.0 m	
Date Test Pit Advanced: 13/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS		Logged By: Kim Faubert Reviewed By: Chad Taylor	

			Client: Terasen Gas Address: Boundary Road and Lougheed Hwy Burnaby, BC Job No.: VE51267	TEST PIT LOG	
				Test Pit No.: TP02-23-04 Elevation: 18.88 m	
Depth (m)		Sample Type	SOIL DESCRIPTION	Sampling Depth	
From	To			Combustible Vapour Level (ppm_v)	Sample ID and Depth
0.0	0.1		ASPHALT		
0.1	0.25	G	SAND (fill) with trace Rootlets – fine to medium grained sand, loose to compact, dry, light brown, no hydrocarbon odour or staining.	0	TP02-23-04-1 0.1 – 0.25 m
0.25	0.5	G	SILT with trace Sand– fine grained sand, stiff to very stiff, dry, grey, no hydrocarbon odour or staining.	28	TP02-23-04-2 0.25 – 0.5 m
0.5	0.9	G	SAND with some Silt– fine to medium grained sand, compact, dry, medium brown, no hydrocarbon odour or staining. - increasing moisture content from dry to moist at 0.9 m	33	TP02-23-04-3 0.5 – 0.9 m
0.9	2.0	G	SILT – very stiff, damp, light brown to bluish grey, no hydrocarbon odour or staining.	30	TP02-23-04-4 0.9 – 2.0 m
Date Test Pit Advanced: 13/05/02 Equipment: Backhoe EX-70 Contractor: Quantum Environmental Group			Sample Type: Grab G Surface Sample SS	Logged By: Kim Faubert Reviewed By: Chad Taylor	

APPENDIX E

SOIL CHAIN-OF-CUSTODY RECORDS
AND
LABORATORY ANALYTICAL REPORTS



EARTH & ENVIRONMENTAL

LC 4970
13460
26.

Chain of Custody Record/Analysis Request

ISSUING OFFICE:

Vancouver Environmental

Project Name:

BC Les Boudoirs Longford

Job No.:

VE51267

Project Manager:

C. Taylor

Phone #:

(604) 294-3811

Sampler:

K. Faubert / C. Pich

Analysis Requested: (write preferred method in box)

QUOTED PRICE

☒ YES ☐ NOIf Yes, Please
attach a copy
of quote.

per B. Nomin

Client Sample ID	AMEC E & E Lab Sample ID	Date Collected	Matrix (S=soil, W=water, A=air)	1L Bottle	250 mL Jar	40 mL Vial	1L Polyethylene	1L Soil Bag	BTEX + VPH	VOC's	LEPH/HEPH	PAH's	PCBs	Metals	50% Rush (Please Notify Lab)	100% Rush (Please Notify Lab)	Receiver's Comments
BH02-17-01-3	3425	6/5/2	S		1												
BH02-12-01-1	26	7/5/2	S		1												
BH02-12-01-2	27	7/5/2	S														
BH02-12-01-7	28	7/5/2	S		1												
BH02-12-01-8	29	7/5/2	S		1												
BH02-12-01-9	30	7/5/2	S														
BH02-12-01-10	31	7/5/2	S		1												
BH02-11-01-2	32	7/5/2	S														
BH02-13-01-2	33	6/5/2	S		1												
BH02-10-01-2	34	6/5/2	S		1												
BH02-10-01-7	35	6/5/2	S		1												
BH02-07-01-3	36	6/5/2	S		1												
BH02-27-01-4	37	7/5/2	S		1												

RELINQUISHED BY SAMPLER	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:	COMMENTS:
Signature: K. Faubert	Signature: RECEIVED	Signature:	Signature:	BH02-12-01-8 } field BH02-12-01-9 } duplicates BH02-12-01-10 } BH02-10-01-7
Printed Name: Kim Faubert	Printed Name:	Printed Name:	Printed Name:	
Firm: AMEC E&E	Firm: 05-9 2002	Firm:	Firm:	
Date/Time: 08/05/02 1330	Date/Time: ALL-EDMONTON	Date/Time:	Date/Time:	

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator; GOLDENROD - to lab in advance

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EARTH & ENVIRONMENTAL

Ec 13000

Chain of Custody Record/Analysis Request

ISSUING OFFICE:

Vancouver Environmental

13478

29/01/02

Project Name: BC Gas Boundary & Lougheed

Job No.: VES1267

Project Manager: C. Taylor

Phone #: (604) 294-3811

Sampler: K. Faubert C. Pohl

Client Sample ID	AMEC E & E Lab Sample ID	Date Collected	Matrix (S=soil, W=water, A=air)	1L Bottle	250 mL Jar	40 mL Vial	1L Polyethylene	Soil Bag	Analysis Requested: (write preferred method in box)	50% Rush (Please Notify Lab)	100% Rush (Please Notify Lab)	QUOTED PRICE <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If Yes, Please attach a copy of quote. per. B. Chomin
TP02-17-01-7-2	3610	10 May 02	S						BTEX + VAP			
TP02-17-02-3	11	10 May 02	S						VOC'S			
TP02-17-03-2	12	10 May 02	S						LEACH/HEAT			
TP02-17-04-2	13	10 May 02	S						PAH'S			
TP02-13-01-2	14	10 May 02	S						PCB'S			
TP02-13-02-2	15	10 May 02	S						Metals			
TP02-13-02-5	16	10 May 02	S						EPAS			
TP02-13-03-2	17	10 May 02	S									
TP02-13-04-2	18	10 May 02	S									
TP02-07-01-3	19	9 May 02	S									
TP02-07-02-2	20	9 May 02	S									
TP02-07-03-3	21	9 May 02	S									
TP02-07-04-3	22	9 May 02	S									
TP02-07-05-2	23	9 May 02	S									
TP02-07-06-4	24	9 May 02	S									
TP02-07-07-4	25	13 May 02	S									
TP02-07-07-3	26	13 May 02	S									
TP02-07-08-3	27	13 May 02	S									
TP02-07-09-3	28	13 May 02	S									

RELINQUISHED BY SAMPLER	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:	COMMENTS:
Signature: K. Faubert	Signature:	Signature:	Signature:	TP02-13-02-5 field duplicate TP02-07-07-4 field duplicate
Printed Name: K. Faubert	Printed Name:	Printed Name:	Printed Name:	
Firm: AMEC E&E	Firm: -05-15-2002	Firm:	Firm:	
Date/Time: 14/05/02 16:00	Date/Time: AME-EDMONTON	Date/Time:	Date/Time:	

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator; GOLDENROD - to lab in advance



EARTH & ENVIRONMENTAL

13479

Chain of Custody Record/Analysis Request

ISSUING OFFICE:

Vancouver Environmental

Project Name: BC Gas Boundary 4 Loughheed Job No.: VE51267
Project Manager: C. Taylor Phone #: (604) 294-3811
Sampler: K. Faubert / C. Ptohi

Client Sample ID	AMEC E & E Lab Sample ID	Date Collected	Matrix (S=soil, W=water, A=air)	1L Bottle	250 mL Jar	40 mL Vial	1L Polyethylene	Soil bag	Analysis Requested: (write preferred method in box)	QUOTED PRICE
										<input checked="" type="checkbox"/> YES <input type="checkbox"/> NO If Yes, Please attach a copy of quote.
										per. B. Chomin
TP02-08-01-1	3029	13 May 02	S		2				BTEX + VPH	Receiver's Comments
TP02-08-02-2	30	9 May 02	S		2				VOC'S	
TP02-08-03-2	31	9 May 02	S		2				LEPH/HCAH	
TP02-08-04-3	32	9 May 02	S		2				PAH'S	
TP02-23-01-2	33	13 May 02	S		2				PCB'S	
TP02-23-02-2	34	13 May 02	S		2				Metals	
TP02-23-03-2	35	13 May 02	S		2				EPAS	
TP02-23-04-3	36	13 May 02	S		2					
TP02-23-04-5	37	13 May 02	S							
TP02-11-01-2	38	10 May 02	S							
TP02-11-01-5	39	10 May 02	S							
TP02-11-02-1	40	10 May 02	S							
TP02-12-01-2	41	10 May 02	S							
TP02-12-02-1	42	10 May 02	S							
TP02-12-03-2	43	10 May 02	S							
TP02-12-04-3	44	10 May 02	S							
TP02-12-05-1	45	10 May 02	S							
TP02-12-05-4	46	10 May 02	S							
TP02-12-06-2	47	10 May 02	S							

RELINQUISHED BY SAMPLER	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:	COMMENTS:
Signature: <u>K. Faubert</u>	Signature: <u>RECEIVED:</u>	Signature:	Signature:	TP02-23-04-5 is a field duplicate TP02-11-01-5 is a field duplicate TP02-12-05-4 is a field duplicate
Printed Name: <u>K. Faubert</u>	Printed Name: <u>-05-15-2002</u>	Printed Name:	Printed Name:	
Firm: <u>AMEC</u>	Firm: <u>AEE-EDMONTON</u>	Firm:	Firm:	
Date/Time: <u>14/05/02 16:00</u>	Date/Time:	Date/Time:	Date/Time:	

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator; GOLDENROD - to lab in advance

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EARTH & ENVIRONMENTAL

13480

Chain of Custody Record/Analysis Request

ISSUING OFFICE:

Vancouver Environmental

Project Name: BC Gas Boundary & Langhead Job No.: YES1267
Project Manager: C. Fowler Phone #: (604) 794-3811
Sampler: C. Pohl / K. Faubert

Client Sample ID	AMEC E & E Lab Sample ID	Date Collected	Matrix (S=soil, W=water, A=air)	1L Bottle	250 mL Jar	40 mL Vial	1L Polyethylene	Soil bags	BTEX + VPH	VOC's	LEPH/HEN	PAH's	PCB's	Metals	EPH's	50% Rush (Please Notify Lab)	100% Rush (Please Notify Lab)	QUOTED PRICE
TP02-10-01-1	3648	14 May 02	S	1	1	1	1	1										per. B. Chomin
TP02-10-02-1	49	"	S	1	1	1	1	1									Receiver's Comments	
TP02-10-03-1	50	"	S	1	1	1	1	1										
TP02-10-04-1	51	"	S	1	1	1	1	1										

Receiver's Comments

RELINQUISHED BY SAMPLER	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:	COMMENTS:
Signature: <i>K. Faubert</i>	Signature: RECEIVED	Signature:	Signature:	
Printed Name: K. Faubert	Printed Name: -05- 15 2002	Printed Name:	Printed Name:	
Firm: AMEC E & E	Firm: AEE-EDMONTON	Firm:	Firm:	
Date/Time: 14/05/02 16:00	Date/Time:	Date/Time:	Date/Time:	

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator; GOLDENROD - to lab in advance

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amec EARTH & ENVIRONMENTAL

ISSUING OFFICE: Vancouver Environmental

13477

Chain of Custody Record/Analysis Request

Project Name:	BC Gas Boundary & Longhead	Job No.:	VE57267
Project Manager:	C. Taylor	Phone #:	(604) 294-3811
Sampler:	K. Fairbairn | C. Poon		

[illegible][illegible]

RELINQUISHED BY SAMPLER		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:		COMMENTS:
Signature: <i>K. Furbert</i>	Signature: RECEIVED	Signature:	Signature:	Signature:	Signature:	<i>BMO2-07-02-9</i> <i>is a field duplicate</i>		
Printed Name: <i>K. Furbert</i>	Printed Name: <i>-05-15 2002</i>	Printed Name:	Printed Name:	Printed Name:	Printed Name:			
Firm: <i>AMECE&E</i>	Firm: <i>AME-EDMONTON</i>	Firm:	Firm:	Firm:	Firm:			
Date/Time: <i>14/05/02 16:00</i>	Date/Time:	Date/Time:	Date/Time:	Date/Time:	Date/Time:			

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator; GOLDENROD - to lab in advance



EARTH & ENVIRONMENTAL

ISSUING OFFICE:

Vancouver E & E

EC 43006

13462

3

Chain of Custody Record/Analysis Request

Project Name:	BC Gas Borendump & Loughran	Job No.:	VEST267
Project Manager:	C. Taylor	Phone #:	
Sampler:	C. PPHOT/K. Fairbairn		

[illegible][illegible]

RELINQUISHED BY: SAMPLER	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:	COMMENTS:
Signature: <i>[Signature]</i>	Signature:	Signature:	Signature:	
Printed Name: <i>Kim Fairbairn</i>	Printed Name: RECEIVED	Printed Name:	Printed Name:	
Firm: <i>AMEE ELE</i>	Firm: 05-16-2002	Firm:	Firm:	
Date/Time: <i>16:00 15 Nov 02</i>	Date/Time: AMEE-EDMONTON	Date/Time:	Date/Time:	

167 unanalyzed samples.

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator; GOLDENROD - to lab in advance

Page _____ of _____



PSC ANALYTICAL SERVICES

8577 Commerce Court
Burnaby, B.C. V5A 4N5

Phone: (604) 444-4808
Fax: (604) 444-4511
Toll Free: 1-800-440-4808

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST PAGE 1 OF 1

ANALYSIS REQUEST

8093717

COMPANY NAME: AMEC		PH # (604) 794-3811													
COMPANY ADDRESS: 7227 Douglas Rd. Burnaby, B.C. V5C 5A9		FAX # (604) 794-4664													
SAMPLER NAME (PRINT): K. Faubert		CLIENT PROJECT ID: (#) VE51267													
PROJECT MANAGER: P. Taylor															
FIELD SAMPLE ID	PSC LAB # (Lab Use Only)	MATRIX				# CONTAINERS	SAMPLING			BTEX + VPH	VOC's	LCPH/HEPH	PAHs	PCB's	Metals
		GROUND WATER	SURFACE WATER	SOIL	OTHER		DATE	TIME	HEADSPACE VAPOUR						
1 B102-07-02-4				X		2	9 May 02			X	X	X		X	
2															
3															
4															
5															
6															
7															
8															
9															
10															
11															
12															

2 pers + 1 bag sample

TAT (Turnaround Time)

<5 DAY TAT MUST HAVE PRIOR APPROVAL

* some exceptions apply please contact lab

STANDARD 10 BUSINESS DAYS ☐
STANDARD 5 BUSINESS DAYS ☐
RUSH 2 BUSINESS DAYS ☐
URGENT 1 BUSINESS DAY ☐

OTHER BUSINESS DAYS

CUSTODY RECORD

PO. NUMBER / QUOTE NUMBER:

SPECIAL DETECTION LIMITS / CONTAMINANT TYPE

☐ CCME
☒ CSR
☐ ALBERTA TIER 1
☐ OTHER

LAB USE ONLY

ARRIVAL TEMPERATURE °C

LAB INFORMATION

ACCOUNTING CONTACT:

SPECIAL REPORTING OR BILLING INSTRUCTIONS

JARS USED

RELINQUISHED BY SAMPLER:

DATE 14/05/02

TIME 16:30

RECEIVED BY:

RELINQUISHED BY:

DATE

TIME

RECEIVED BY:

RELINQUISHED BY:

DATE

TIME

RECEIVED BY LABORATORY:

ORIGINAL - PSC YELLOW - PSC PINK - CLIENT



EARTH & ENVIRONMENTAL

EC 43466

Chain of Custody Record/Analysis Request

ISSUING OFFICE:

AMEC - Burnaby

13469

Project Name: BC Gas Utility

Job No.:

KST267

Project Manager: C. Taylor

Phone #:

(604) 294-3811

Sampler: L. Faurbert

Client Sample ID	AMEC E & E Lab Sample ID	Date Collected	Matrix (S=soil, W=water, A=air)	1L Bottle	250 mL Jar	40 mL Vial	1L Polyethylene	250 mL Jar	100% Rush (Please Notify Lab)	50% Rush (Please Notify Lab)	Analysis Requested: (write preferred method in box)	QUOTED PRICE
SP02-S1-01	02-650	24/July/02										
SP02-S1-02	31											
SP02-S1-03	32											
SP02-S2-01	33											
SP02-S2-02	34											
SP02-S3-01	35											
SP02-S3-02	36											
SP02-S3-03												
SP02-S4-01	37											
SP02-S4-02	38											
SP02-S5-01	39											
SP02-S5-02	40											
SP02-S5-03	41											
SP02-S6-01	42											
SP02-S6-02	43											
SP02-S6-03	44											
SP02-S7-01	45											
SP02-S7-01	46											

☐ YES ☐ NO

If Yes, Please attach a copy of quote.

Receiver's Comments

RELINQUISHED BY SAMPLER	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:	COMMENTS:
Signature: <i>K. Faurbert</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	Signature: <i>[Signature]</i>	
Printed Name: K. Faurbert	Printed Name: RECEIVED	Printed Name:	Printed Name:	
Firm: AMEC - BB	Firm: -07- 25 2002	Firm:	Firm:	
Date/Time: 24 July 02 11:00am	Date/Time: AEE-EDMONTON	Date/Time:	Date/Time:	

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator; GOLDENROD - to lab in advance

Page ____ of ____



EC 44923
14776

3.5

ISSUING OFFICE: AMEC Earth and Environmental (Burnaby) 27.

Job No.: VES7267

Phone #: (604) 294-2811

Sampler: Lindsay Connick

[illegible]

RELINQUISHED BY SAMPLER		RECEIVED BY:		RELINQUISHED BY:		RECEIVED BY:		<u>COMMENTS:</u> We only require a Regular Turn Around Time.
Signature: <i>Lindsay Connick</i>		Signature:		Signature:		Signature:		
Printed Name: <i>Lindsay Connick</i>		PRINTED NAME <i>RECEIVED:</i>		Printed Name:		Printed Name:		
Firm: <i>AMEC (Burnaby)</i>		Firm: <i>-05-21-2003</i>		Firm:		Firm:		
Date/Time: <i>20/05/03 12:00 pm</i>		Date/Time: <i>AEE - EDMONTON</i>		Date/Time:		Date/Time:		

Page 1 of 1

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 9/2002
Date Sampled: May 6 & 7/2002
Date of Report: May 28/2002
Page 1 of 2

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC42970

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Reference Method	Lab. No.	02-3425	02-3434	02-3434
				Sample I.D.	BH02-17-01-3	BH02-10-01-2	BH02-10-01-2
				Trifluorotoluene Recovery (%)			Re-Run*
				MDL	µg/g (ppm) dry weight		
KL	2002/5/9	Benzene	EPA 5021/BCMWLAP	0.020	--	--	--
KL	2002/5/9	Toluene	EPA 5021/BCMWLAP	0.030	--	--	--
KL	2002/5/9	Ethylbenzene	EPA 5021/BCMWLAP	0.020	--	--	--
KL	2002/5/9	Xylenes	EPA 5021/BCMWLAP	0.030	--	--	--
KL	2002/5/9	VPH (C ₆ - C ₁₀)	VH-BTEX	1.5	--	--	--
KL	2002/5/11	EPH (C ₁₀ -C ₁₉)	EPA 3550/BCMWLAP	10	15	110	73
KL	2002/5/11	EPH (C ₁₉ -C ₃₂)	EPA 3550/BCMWLAP	10	130	860	720
ME/KL	2002/5/14	LEPH (C ₁₀ -C ₁₉)	EPA 3550/BCMWLAP	10	15	110	73
ME/KL	2002/5/14	HEPH (C ₁₉ -C ₃₂)	EPA 3550/BCMWLAP	10	130	860	720
KL	2002/5/9	Moisture	%		12.0	66.8	66.8

MDL: Method detection limit

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, Analytical Methods v2.1, 1999.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

VPH - Volatile Petroleum Hydrocarbons (VH with BTEX subtracted)

EPH: Extractable Petroleum Hydrocarbon - not corrected for PAH content.

VH: Volatile Hydrocarbons

LEPH: Light Extractable Petroleum Hydrocarbons - corrected for PAH content.

HEPH: Heavy Extractable Petroleum Hydrocarbons - corrected for PAH content.

*Re-run analysis performed on 2002/5/17 (PAH) and 2002/5/18 (EPH).

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 9/2002
Date Sampled: May 6 & 7/2002
Date of Report: May 28/2002
Page 2 of 2

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC42970

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Reference Method	Lab. No.	02-3435	02-3435	02-3436	02-3437
				Sample I.D.	BH02-10-01-7	BH02-10-01-7 Re-Run*	BH02-07-01-3	BH02-27-01-4
				Trifluorotoluene Recovery(%)			102	99
				MDL	µg/g (ppm) dry weight			
KL	2002/5/9	Benzene	EPA 5021/BCMWLAP	0.020	--	--	<0.020	<0.020
KL	2002/5/9	Toluene	EPA 5021/BCMWLAP	0.030	--	--	<0.030	<0.030
KL	2002/5/9	Ethylbenzene	EPA 5021/BCMWLAP	0.020	--	--	<0.020	<0.020
KL	2002/5/9	Xylenes	EPA 5021/BCMWLAP	0.030	--	--	<0.030	<0.030
KL	2002/5/9	VPH (C ₆ - C ₁₀)	VH-BTEX	1.5	--	--	<1.5	<1.5
KL	2002/5/11	EPH (C ₁₀ -C ₁₉)	EPA 3550/BCMWLAP	10	130	86	<10	<10
KL	2002/5/11	EPH (C ₁₉ -C ₃₂)	EPA 3550/BCMWLAP	10	1200	1100	17	43
ME/KL	2002/5/14	LEPH (C ₁₀ -C ₁₉)	EPA 3550/BCMWLAP	10	130	86	<10	<10
ME/KL	2002/5/14	HEPH (C ₁₉ -C ₃₂)	EPA 3550/BCMWLAP	10	1200	1100	17	43
KL	2002/5/9	Moisture	%		73.4	73.4	14.2	22.6

MDL: Method detection limit

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, Analytical Methods v2.1, 1999.

EPA: U.S. Environmental Protection Agency, 1997, Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

VPH -Volatile Petroleum Hydrocarbons (VH with BTEX subtracted)

EPH: Extractable Petroleum Hydrocarbon - not corrected for PAH content.

VH- Volatile Hydrocarbons

LEPH: Light Extractable Petroleum Hydrocarbons - corrected for PAH content.

HEPH: Heavy Extractable Petroleum Hydrocarbons - corrected for PAH content.

*Re-run analysis performed on 2002/5/17 (PAH) and 2002/5/18 (EPH).

Report reviewed by:

James A. LeBlanc
for, James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services

Brenda Chomin
Brenda Chomin
Manager
Laboratory Services

AMEC Earth Environmental Limited has been certified by the Canadian Association for Environmental Analytical Laboratories (CAEAL) Inc. for specific tests registered with the Association.

**All samples will be disposed after 30 days following analysis. Please contact the lab if you require additional sample storage time. (Samples deemed hazardous will be returned to the client at their own expense or disposal will be arranged) **



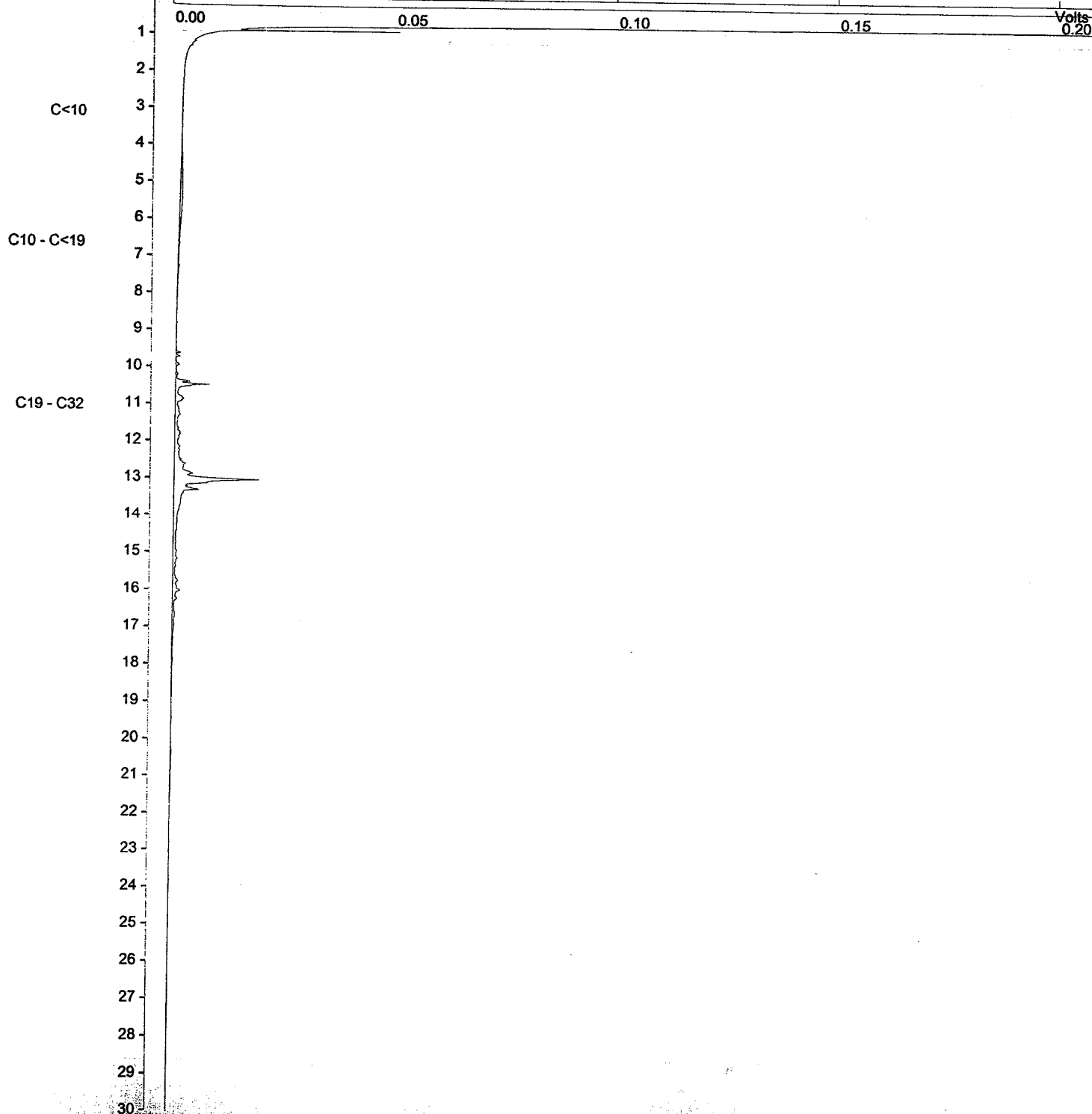
Run File : c:\star\data\kelvin svh\5-11-02-11:17:22 am--3425.run
Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3425

Injection Date: 5/11/02 11:17 AM Calculation Date: 5/13/02 5:36 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 868 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



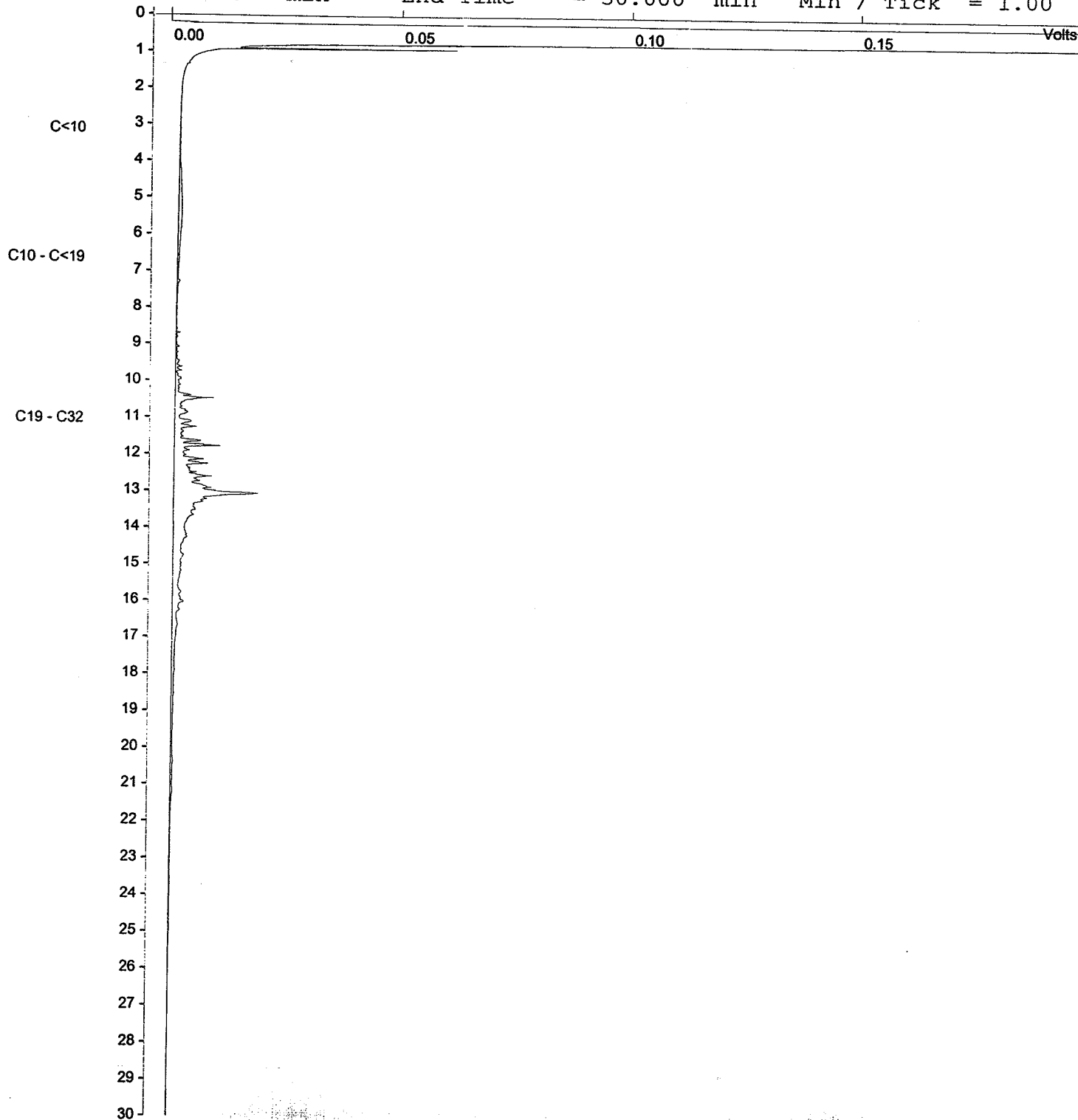
Run File : c:\star\data\kelvin svh\5-11-02-12;02;48 pm-3434.run
Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3434

Injection Date: 5/11/02 12:02 PM Calculation Date: 5/13/02 5:36 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 827 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



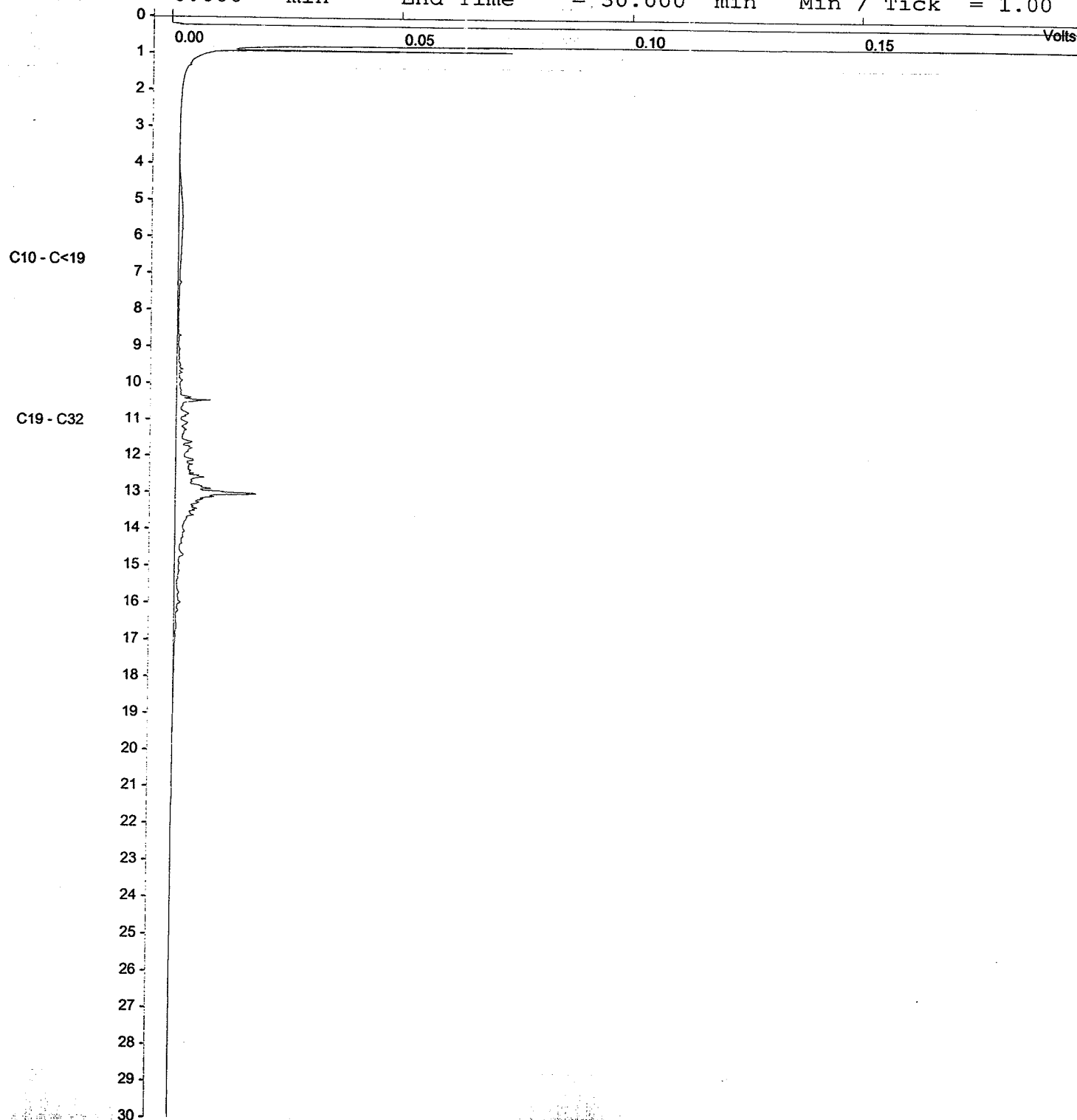
Method File : c:\star\data\kelvin svh\5-18-02-1:21:01 pm--3434.run
Sample ID : 3434

Injection Date: 5/18/02 1:21 PM Calculation Date: 5/21/02 2:52 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

* Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 827 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



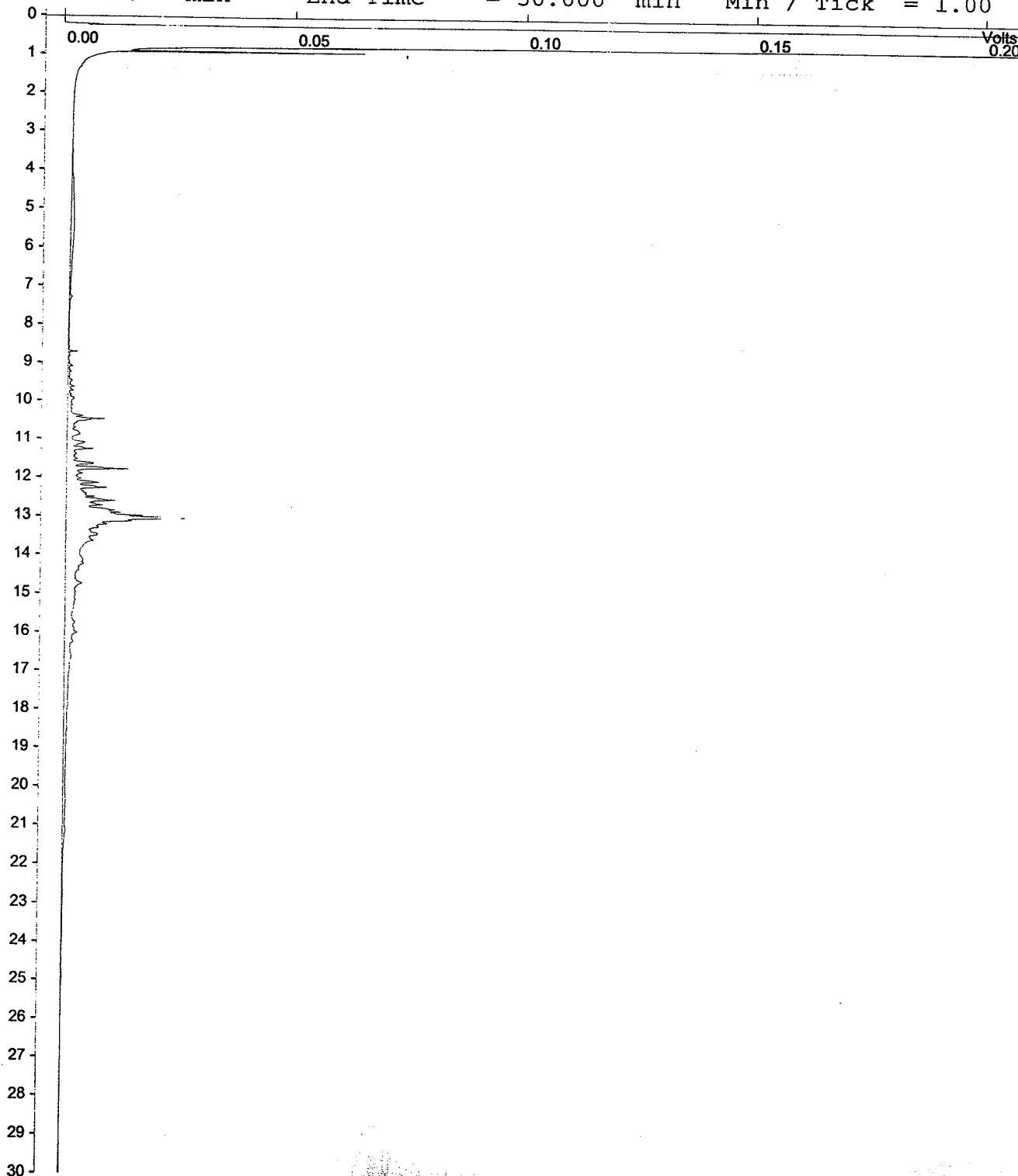
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Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3435

Injection Date: 5/11/02 12:48 PM Calculation Date: 5/13/02 5:36 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 868 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



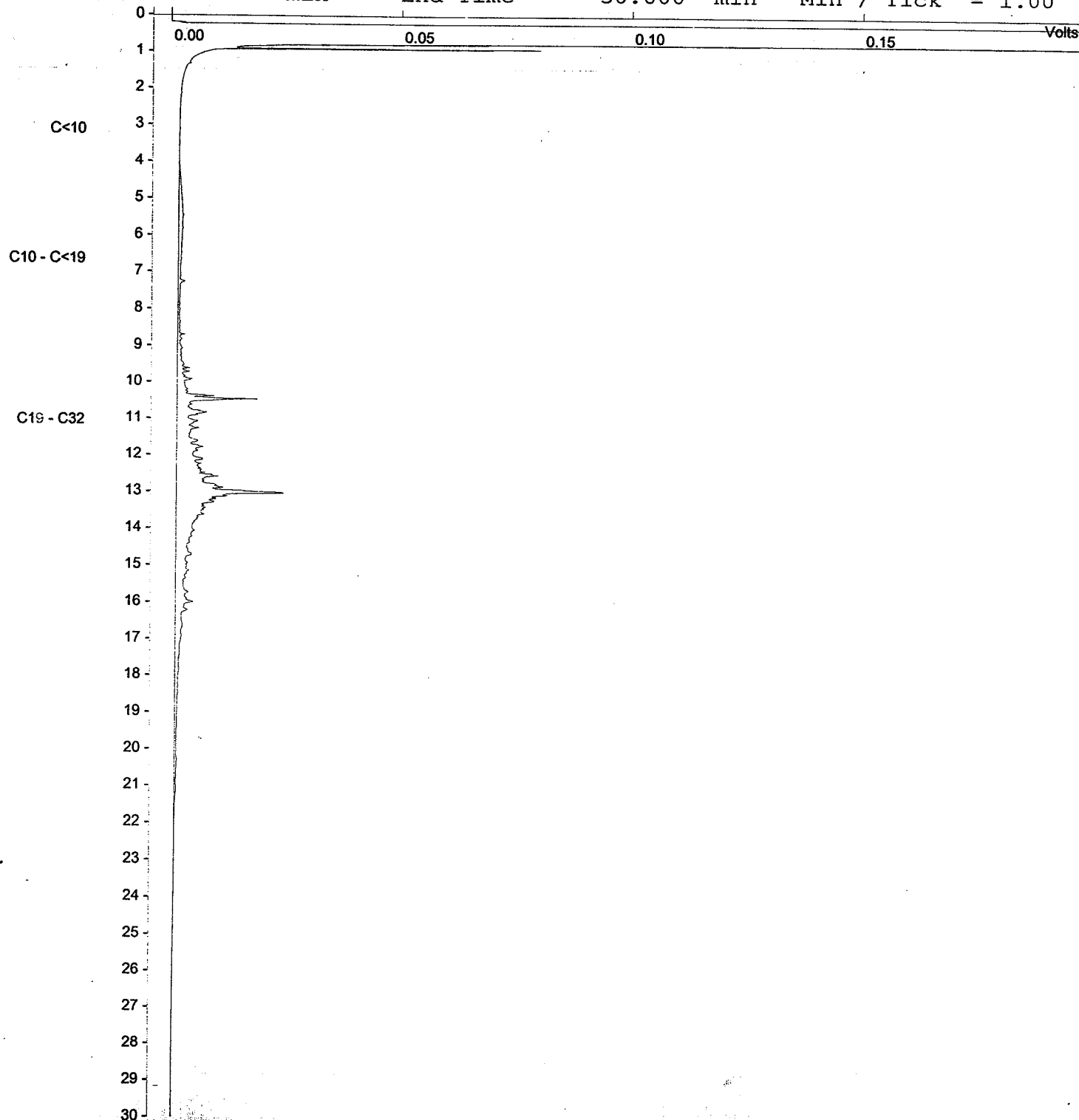
Method File : c:\star\tph-bc-eph-02-04-29.mth
Sample ID : 3435

Injection Date: 5/18/02 2:07 PM Calculation Date: 5/21/02 2:52 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

* Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 827 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



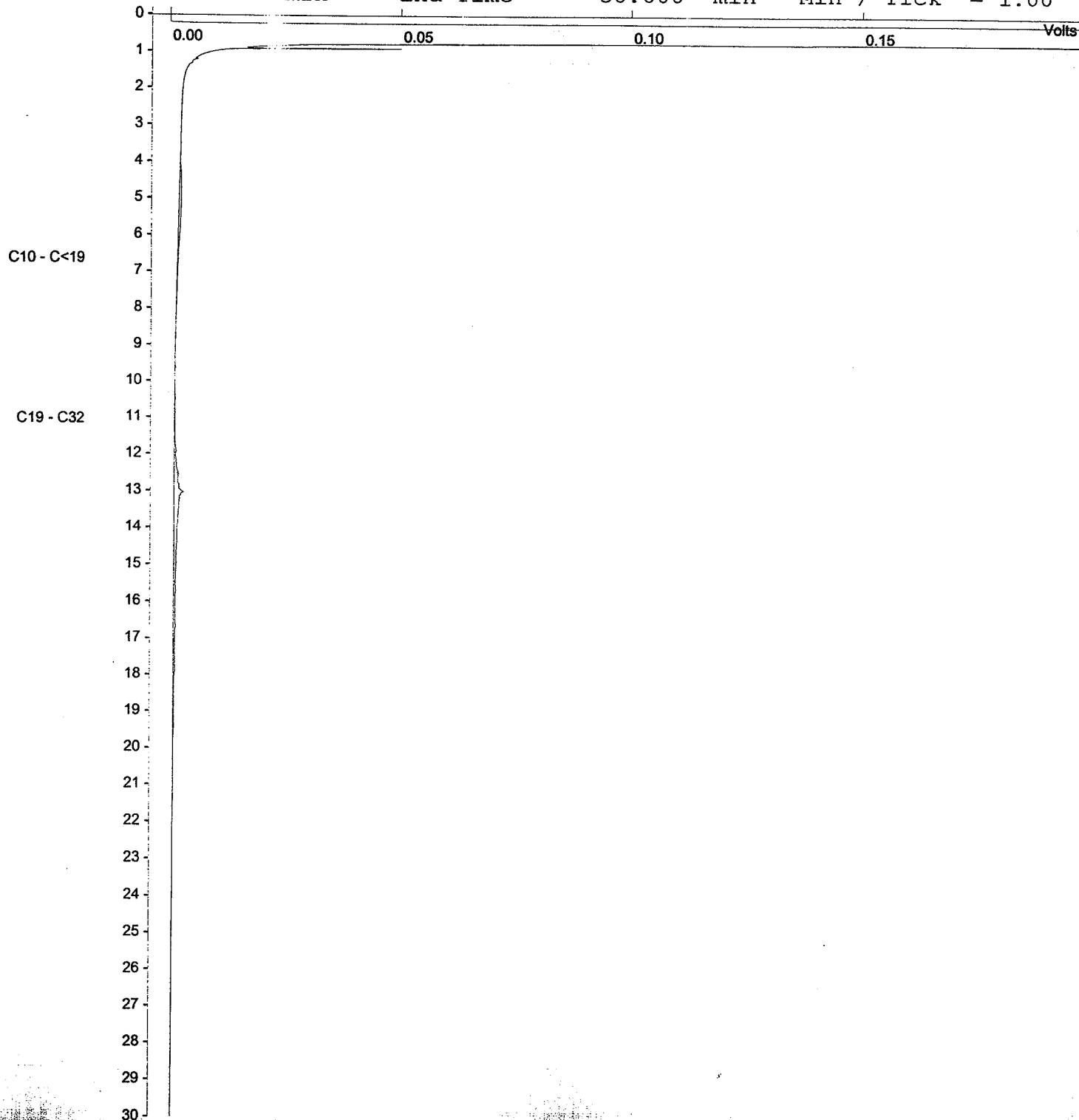
Run File : c:\star\data\kelvin svh\5-11-02-1:33;43 pm--3436.run
Method File : c:\star\tph-bc-eph-02-04-29.mth
Sample ID : 3436

Injection Date: 5/11/02 1:33 PM Calculation Date: 5/13/02 5:36 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 827 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



Run File : c:\star\data\kelvin_svh\5-11-02-2:19:14 pm--3437.run
Method File : c:\star\tph-bc-eph-02-04-29.mth
Sample ID : 3437

Injection Date: 5/11/02 2:19 PM Calculation Date: 5/13/02 5:36 PM

Operator : Kelvin Lien
Workstation: TSH

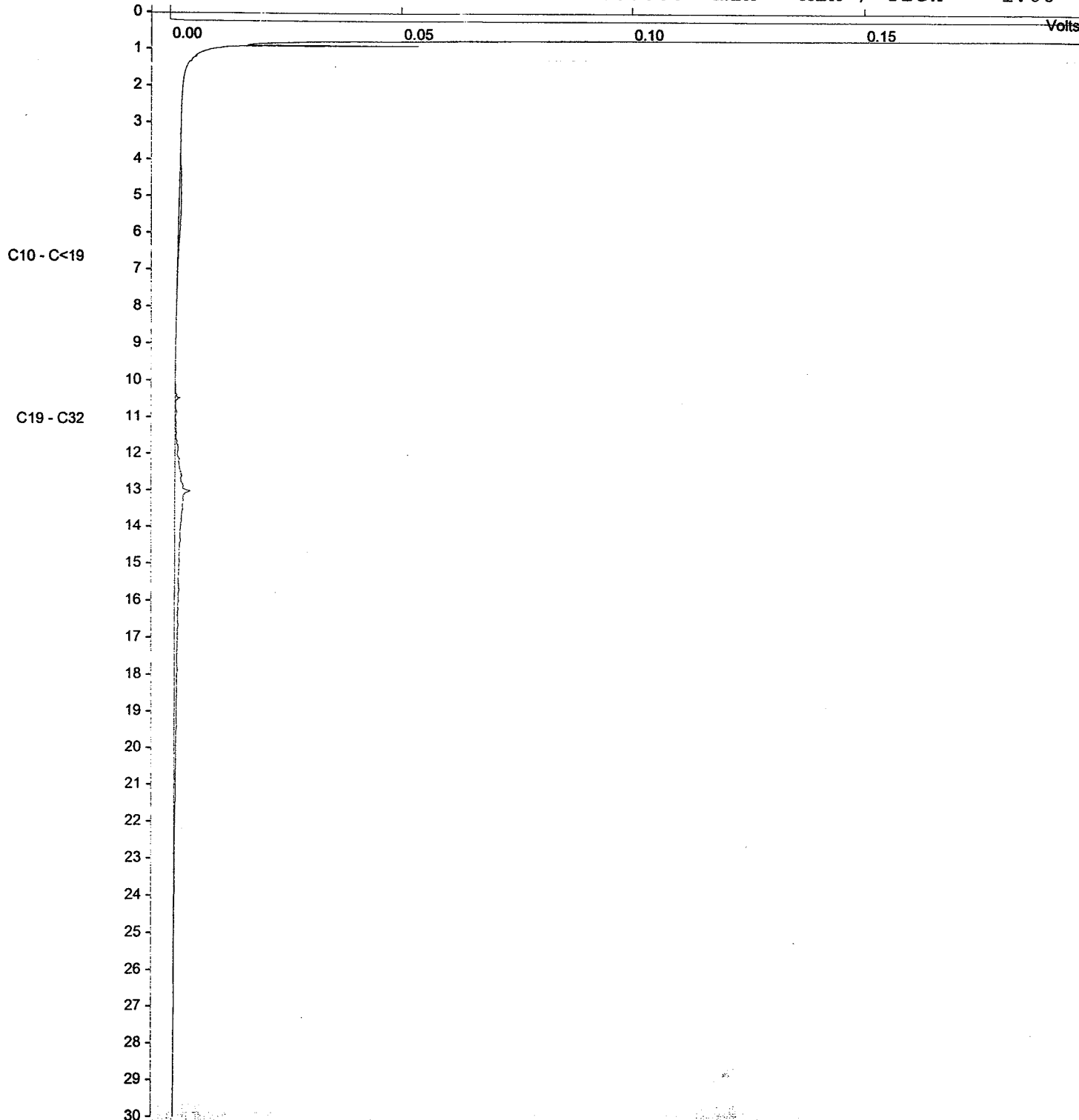
Detector Type: ADCB (1 Volt)
Bus Address : 16

Instrument : Varian Star #1
Channel : A = FID

Sample Rate : 10.00 Hz
Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 827 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 9/2002
Date Sampled: May 6 & 7/2002
Date of Report: May 28/2002

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC42970

Analyst	Date of Analysis (yyyy/mm/dd)	Analytical Parameters	Units	EPA Reference Method	MDL	Sample I.D.				
						02-3426	02-3426	02-3429	02-3436	02-3437
						BH02-12-01-1	BH02-12-01-1 lab duplicate	BH02-12-01-8	BH02-07-01-3	BH02-27-01-4
ME	2002/8/16	Chloromethane	ug/g (ppm)	8260	0.070	<0.07	<0.07	<0.07	<0.07	<0.07
ME	2002/8/16	Vinyl Chloride	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/8/16	Bromomethane	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/8/16	Chloroethane	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/8/16	Trichlorofluoromethane	ug/g (ppm)	8260	0.080	<0.08	<0.08	<0.08	<0.08	<0.08
ME	2002/8/16	1,1 - Dichloroethene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/8/16	Dichloromethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/8/16	Trans-1,2-dichloroethene	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/8/16	1,1-Dichloroethane	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/8/16	Cis-1,2-dichloroethene	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/8/16	Chloroform	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/8/16	1,1,1-Trichloroethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/8/16	Carbon tetrachloride	ug/g (ppm)	8260	0.015	<0.015	<0.015	<0.015	<0.015	<0.015
ME	2002/8/16	Benzene	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/8/16	1,2-Dichloroethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/8/16	Trichloroethene	ug/g (ppm)	8260	0.010	<0.01	<0.01	<0.01	<0.01	<0.01
ME	2002/8/16	1,2-Dichloropropane	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/8/16	Bromodichloromethane	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/8/16	Cis-1,3-dichloropropene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/8/16	Toluene	ug/g (ppm)	8260	0.010	<0.01	<0.01	<0.01	<0.01	<0.01
ME	2002/8/16	Trans-1,3-dichloropropene	ug/g (ppm)	8260	0.055	<0.055	<0.055	<0.055	<0.055	<0.055
ME	2002/8/16	1,2,2-Trichloroethane	ug/g (ppm)	8260	0.065	<0.065	<0.065	<0.065	<0.065	<0.065
ME	2002/8/16	Tetrachloroethene	ug/g (ppm)	8260	0.035	<0.035	<0.035	<0.035	<0.035	<0.035
ME	2002/8/16	Dibromochloromethane	ug/g (ppm)	8260	0.070	<0.07	<0.07	<0.07	<0.07	<0.07
ME	2002/8/16	Chlorobenzene	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/8/16	Ethylbenzene	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/8/16	M + P-xylene	ug/g (ppm)	8260	0.085	<0.085	<0.085	<0.085	<0.085	<0.085
ME	2002/8/16	O-xylene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/8/16	Styrene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/8/16	Bromoform	ug/g (ppm)	8260	0.150	<0.15	<0.15	<0.15	<0.15	<0.15
ME	2002/8/16	1,1,2,2-Tetrachloroethane	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/8/16	1,3-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/8/16	1,4-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/8/16	1,2-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06

MDL - Method Detection Limit

EPA - U.S. Environmental Protection Agency, 1986. Test Methods of Evaluation of Solid Waste 3rd Ed. Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

Report reviewed by:

for

James LeBlanc
QA/QC Compliance
Laboratory Services

Brenda Chomin
Manager
Laboratory Services

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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 9/2002
Date Sampled: May 6 & 7/2002
Date of Report: May 28/2002
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SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC42970

Analyst	Date of Analysis (yyyy/mm/dd)	Analytical Parameter	Units	EPA Reference Method	MDL	Sample I.D.					
						02-3425	02-3428	02-3431	02-3433	02-3434	02-3434
						BH02-17-01-3	BH02-12-01-7	BH02-12-01-10	BH02-13-01-2	BH02-10-01-2	BH02-10-01-2 Re-run*
ME	2002/5/14	Acenaphthene	ug/g (ppm)	3550b/8270c	0.05	<0.05	0.13	0.20	<0.05	<0.05	<0.05
ME	2002/5/14	Acenaphthylene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/14	Anthracene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/14	Benzo(a)anthracene	ug/g (ppm)	3550b/8270c	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ME	2002/5/14	Benzo(a)pyrene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/14	Benzo(b+j+k)fluoranthene	ug/g (ppm)	3550b/8270c	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ME	2002/5/14	Benzo(g,h,i)perylene	ug/g (ppm)	3550b/8270c	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ME	2002/5/14	Chrysene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/14	Dibenzo(a,h)anthracene	ug/g (ppm)	3550b/8270c	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ME	2002/5/14	Fluoranthene	ug/g (ppm)	3550b/8270c	0.05	0.10	0.06	<0.05	<0.05	<0.05	0.07
ME	2002/5/14	Fluorene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/14	Indeno(1,2,3-cd)pyrene	ug/g (ppm)	3550b/8270c	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ME	2002/5/14	Naphthalene	ug/g (ppm)	3550b/8270c	0.05	<0.05	6.2	7.6	<0.05	<0.05	<0.05
ME	2002/5/14	Phenanthrene	ug/g (ppm)	3550b/8270c	0.05	0.12	0.08	0.05	<0.05	<0.05	<0.05
ME	2002/5/14	Pyrene	ug/g (ppm)	3550b/8270c	0.05	0.10	0.06	<0.05	<0.05	0.05	0.08
Surrogate Compound		Units									
ME	2002/5/14	2-fluorobiphenyl	%			66	48	42	41	57	91
ME	2002/5/14	Terphenyl d-14	%			44	37	36	41	40	104

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

*Re-run analysis performed 2002/5/17.

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 9/2002
Date Sampled: May 6 & 7/2002
Date of Report: May 28/2002
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SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC42970

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	EPA Reference Method	MDL	Sample I.D.			
						02-3435	02-3435	02-3436	02-3437
						BH02-10-01-7	BH02-10-01-7 Re-run*	BH02-07-01-3	BH02-27-01-4
ME	2002/5/14	Acenaphthene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/14	Acenaphthylene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/14	Anthracene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/14	Benzo(a)anthracene	ug/g (ppm)	3550b/8270c	0.1	<0.1	0.2	<0.1	<0.1
ME	2002/5/14	Benzo(a)pyrene	ug/g (ppm)	3550b/8270c	0.05	0.06	0.17	<0.05	<0.05
ME	2002/5/14	Benzo(b+j+k)fluoranthene	ug/g (ppm)	3550b/8270c	0.1	<0.1	0.3	<0.1	<0.1
ME	2002/5/14	Benzo(g,h,i)perylene	ug/g (ppm)	3550b/8270c	0.1	<0.1	<0.1	<0.1	<0.1
ME	2002/5/14	Chrysene	ug/g (ppm)	3550b/8270c	0.05	<0.05	0.17	<0.05	<0.05
ME	2002/5/14	Dibenzo(a,h)anthracene	ug/g (ppm)	3550b/8270c	0.1	<0.1	<0.1	<0.1	<0.1
ME	2002/5/14	Fluoranthene	ug/g (ppm)	3550b/8270c	0.05	0.11	0.28	<0.05	<0.05
ME	2002/5/14	Fluorene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/14	Indeno(1,2,3-cd)pyrene	ug/g (ppm)	3550b/8270c	0.1	<0.1	<0.1	<0.1	<0.1
ME	2002/5/14	Naphthalene	ug/g (ppm)	3550b/8270c	0.05	<0.05	0.06	<0.05	<0.05
ME	2002/5/14	Phenanthrene	ug/g (ppm)	3550b/8270c	0.05	0.05	0.12	<0.05	<0.05
ME	2002/5/14	Pyrene	ug/g (ppm)	3550b/8270c	0.05	0.12	0.28	<0.05	<0.05
Surrogate Compound			Units						
ME	2002/5/14	2-fluorobiphenyl	%			72	91	72	49
ME	2002/5/14	Terphenyl d-14	%			50	99	51	55

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.
Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

*Re-run analysis performed 2002/5/17.

Report reviewed by:

James A. LeBlanc
for James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services

Brenda Chomin
Brenda Chomin
Manager
Laboratory Services

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ANALYTICAL REPORT

QUALITY CONTROL STANDARD

Attention: Chad Taylor

Project No.: VE51267

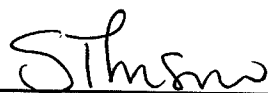
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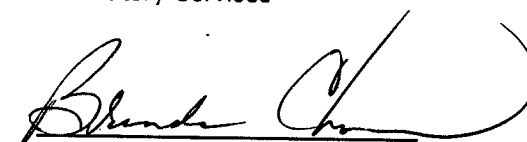
Analyst	Date of Analysis (yyyy/m/d)	Analytical Parameters	Units	EPA Reference Method	MDL	Analyzed Value	Advisory Range	Target Value	Lot #
ME	2002/5/14	Acenaphthene	ug/g (ppm)	3550b/8270c	0.05	5.01	2.15-7.67	7.24	ERA 363
ME	2002/5/14	Acenaphthylene	ug/g (ppm)	3550b/8270c	0.05	1.19	0.69-3.50	3.33	ERA 363
ME	2002/5/14	Anthracene	ug/g (ppm)	3550b/8270c	0.05	0.42	0.37-1.21	1.15	ERA 363
ME	2002/5/14	Benzo(a)anthracene	ug/g (ppm)	3550b/8270c	0.1	5.04	2.92-7.52	6.89	ERA 363
ME	2002/5/14	Benzo(a)pyrene	ug/g (ppm)	3550b/8270c	0.05	0.06	0.052-0.29	0.21	ERA 364
ME	2002/5/14	Benzo(b+j+k)fluoranthene	ug/g (ppm)	3550b/8270c	0.1	0.48	0.43-1.44	1.16	ERA 363
ME	2002/5/14	Benzo(g,h,i)perylene	ug/g (ppm)	3550b/8270c	0.1	0.19	0.14-0.53	0.40	ERA 364
ME	2002/5/14	Chrysene	ug/g (ppm)	3550b/8270c	0.05	1.72	1.52-4.60	3.70	ERA 363
ME	2002/5/14	Fluoranthene	ug/g (ppm)	3550b/8270c	0.05	1.96	1.08-3.06	2.56	ERA 363
ME	2002/5/14	Fluorene	ug/g (ppm)	3550b/8270c	0.05	3.96	1.94-6.46	5.83	ERA 363
ME	2002/5/14	Naphthalene	ug/g (ppm)	3550b/8270c	0.05	4.08	1.64-6.92	6.59	ERA 363
ME	2002/5/14	Phenanthrene	ug/g (ppm)	3550b/8270c	0.05	1.06	0.67-1.69	1.43	ERA 363
ME	2002/5/14	Pyrene	ug/g (ppm)	3550b/8270c	0.05	1.70	0.88-2.74	2.18	ERA 363
Surrogate Compound			Units						
ME	2002/5/14	2-fluorobiphenyl	%			85	--	--	--
ME	2002/5/14	Terphenyl d-14	%			55	--	--	--

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.
Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

Report reviewed by:

for 
James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 9/2002
Date Sampled: May 6 & 7/2002
Date of Report: May 28/2002

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC42970

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameters	EPA Reference Method	MDL	Units	Sample I.D. No.		
						02-3434	02-3434	02-3435
						BH02-10-01-2	BH02-10-01-2 lab duplicate	BH02-10-01-7
ME	2002/5/17	PCB	3550/8082	0.2	µg/g (ppm)	<0.2	<0.2	<0.2
ME	2002/5/17	Moisture			%	66.8	--	73.4
Surrogate Recovery								
Deca-chlorobiphenyl					%	71	65	55
Tetra-chloro-m-xylene					%	75	67	60


MDL - Method Detection Limit

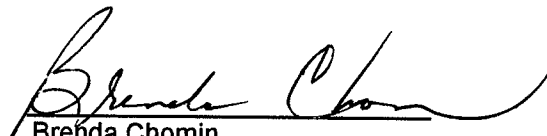
EPA - U.S. Environmental Protection Agency. 1986. Test Methods of Evaluation of Solid Waste 3rd Ed. Office

Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

PCB: Polychlorinated biphenyl

Report reviewed by:

for, 
James LeBlanc
QA/QC Compliance
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

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ANALYTICAL REPORT

QUALITY CONTROL STANDARD

Attention: Chad Taylor

Project No.: VE51267

File No.: EC42970

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameters	Units	EPA Method	Analyzed Value	Advisory Range	Certified Value	Reference lot no.
ME	2002/5/17	PCB's in Soil	ug/g (ppm)	3550/8082	26	15 - 64	46.7	ERA9501

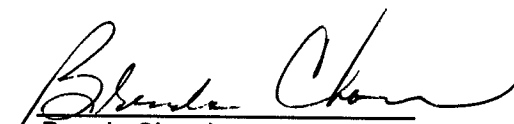
MDL - Method Detection Limit

EPA - U.S. Environmental Protection Agency. 1986. Test Methods of Evaluation of Solid Waste 3rd Ed. Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

PCB: Polychlorinated biphenyl

Report reviewed by:

for, 
James LeBlanc
QA/QC Compliance
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 9/2002
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SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC42970

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	Sample I.D.			
						02-3425	02-3427	02-3430	02-3432
						BH02-17-01-3	BH02-12-01-2	BH02-12-01-9	BH02-11-01-2
RM	2002/5/14	pH (1:1 H ₂ O)		McKeague 4.12		5.87	6.75	7.01	6.33

MDL: Method Detection Limit

McKeague: Manual on Soil Sampling and Methods of Analyses. Can. Soc. Soil Sci. Ottawa.

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

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SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC42970

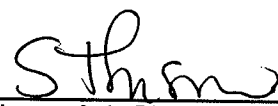
Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	Sample ID			
						02-3433	02-3434	02-3436	02-3437
						BH02-13-01-2	BH02-10-01-2	BH02-07-01-3	BH02-27-01-4
RM	2002/5/14	pH (1:1 H ₂ O)		McKeague 4.12		6.32	5.42	8.25	5.84

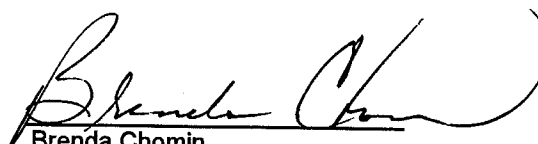
MDL: Method Detection Limit

McKeague: Manual on Soil Sampling and Methods of Analyses. Can. Soc. Soil Sci. Ottawa.

** Sample 02-3434 is based on a (1:2) H₂O extract due to the high absorbency of this sample.

Report reviewed by:


for, James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

ANALYTICAL REPORT

QUALITY CONTROL STANDARD

Attention: Chad Taylor

Project No.: VE51267

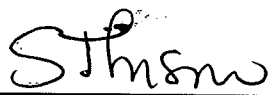
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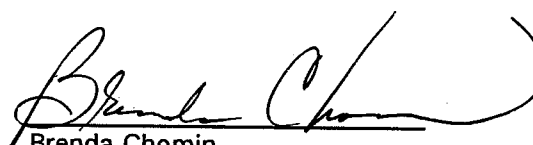
Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	Analyzed Value	Advisory Range	Target Value	Reference No.
RM	2002/5/14	pH (1:1 H ₂ O)		McKeague 4.12		7.61	7.41-8.08	7.74	SS#8

MDL: Method Detection Limit

McKeague: Manual on Soil Sampling and Methods of Analyses. Can. Soc. Soil Sci. Ottawa.

Report reviewed by:


for James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 9/2002
Date Sampled: May 6 & 7/2002
Date of Report: May 28/2002
Page 1 of 2

SOIL ANALYSIS - ICP METALS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC42970

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	Sample I.D.				
						02-3425	02-3427	02-3430	02-3432	02-3433
						BH02-17-01-3	BH02-12-01-2	BH02-12-01-9	BH02-11-01-2	BH02-13-01-2
AD	2002/5/14	Antimony	ug/g (ppm)	BCMWLAP	0.5	0.6	0.8	0.8	0.9	0.8
AD	2002/5/14	Arsenic	ug/g (ppm)	BCMWLAP	0.5	1.8	2.1	2.0	3.0	1.3
AD	2002/5/14	Barium	ug/g (ppm)	BCMWLAP	1	43	64	63	87	47
AD	2002/5/14	Beryllium	ug/g (ppm)	BCMWLAP	0.1	<0.1	0.1	0.1	0.2	0.1
AD	2002/5/14	Cadmium	ug/g (ppm)	BCMWLAP	0.1	<0.1	0.1	<0.1	0.2	<0.1
AD	2002/5/14	Chromium	ug/g (ppm)	BCMWLAP	0.5	10.6	16.3	15.4	17.2	13.8
AD	2002/5/14	Cobalt	ug/g (ppm)	BCMWLAP	0.5	5.6	8.1	7.5	7.4	7.2
AD	2002/5/14	Copper	ug/g (ppm)	BCMWLAP	0.1	13.9	21.2	21.8	24.4	16.1
AD	2002/5/14	Lead	ug/g (ppm)	BCMWLAP	0.5	6.0	21.3	27.2	80.8	8.7
AD	2002/5/14	Manganese	ug/g (ppm)	BCMWLAP	0.5	227	292	283	285	275
AD	2002/5/14	Mercury	ug/g (ppm)	BCMWLAP	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/14	Molybdenum	ug/g (ppm)	BCMWLAP	0.5	1.1	1.0	1.0	1.0	0.7
AD	2002/5/14	Nickel	ug/g (ppm)	BCMWLAP	0.5	5.3	9.0	8.6	10.6	7.1
AD	2002/5/14	Selenium	ug/g (ppm)	BCMWLAP	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/14	Silver	ug/g (ppm)	BCMWLAP	0.1	<0.1	<0.1	<0.1	0.1	<0.1
AD	2002/5/14	Thallium	ug/g (ppm)	BCMWLAP	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/14	Tin	ug/g (ppm)	BCMWLAP	0.5	<0.5	0.7	0.7	2.1	<0.5
AD	2002/5/14	Vanadium	ug/g (ppm)	BCMWLAP	0.2	32.9	40.6	38.4	39.5	34.8
AD	2002/5/14	Zinc	ug/g (ppm)	BCMWLAP	0.5	37.6	65.4	65.3	90.5	46.8

MDL: Method Detection Limit

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, SALM Analytical Method 8, v1.0, 2001

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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 9/2002
Date Sampled: May 6 & 7/2002
Date of Report: May 28/2002
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SOIL ANALYSIS - ICP METALS

Attention: Chad Taylor

Project No.: VE51267

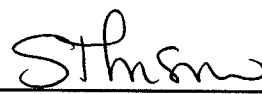
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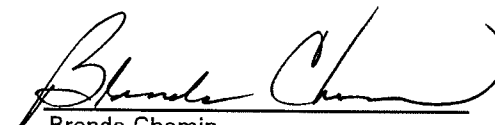
Analyst	Date of Analysis (yyyy/m/d)	Analytical Parameter	Units	Reference Method	MDL	Sample I.D.			
						02-3434	02-3436	02-3436	02-3437
						BH02-10-01-2	BH02-07-01-3	BH02-07-01-3 lab duplicate	BH02-27-01-4
AD	2002/5/14	Antimony	ug/g (ppm)	BCMWLAP	0.5	0.8	<0.5	0.6	0.5
AD	2002/5/14	Arsenic	ug/g (ppm)	BCMWLAP	0.5	4.3	0.8	0.7	0.9
AD	2002/5/14	Barium	ug/g (ppm)	BCMWLAP	1	89	25	26	55
AD	2002/5/14	Beryllium	ug/g (ppm)	BCMWLAP	0.1	0.2	<0.1	<0.1	0.1
AD	2002/5/14	Cadmium	ug/g (ppm)	BCMWLAP	0.1	0.4	<0.1	<0.1	<0.1
AD	2002/5/14	Chromium	ug/g (ppm)	BCMWLAP	0.5	12.2	10.6	10.1	13.1
AD	2002/5/14	Cobalt	ug/g (ppm)	BCMWLAP	0.5	5.9	4.5	4.2	5.0
AD	2002/5/14	Copper	ug/g (ppm)	BCMWLAP	0.1	32.5	11.4	10.5	7.8
AD	2002/5/14	Lead	ug/g (ppm)	BCMWLAP	0.5	36.1	0.9	1.0	2.8
AD	2002/5/14	Manganese	ug/g (ppm)	BCMWLAP	0.5	190	138	146	168
AD	2002/5/14	Mercury	ug/g (ppm)	BCMWLAP	0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/14	Molybdenum	ug/g (ppm)	BCMWLAP	0.5	1.8	<0.5	<0.5	0.6
AD	2002/5/14	Nickel	ug/g (ppm)	BCMWLAP	0.5	10.1	3.9	3.9	7.9
AD	2002/5/14	Selenium	ug/g (ppm)	BCMWLAP	0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/14	Silver	ug/g (ppm)	BCMWLAP	0.1	<0.1	<0.1	<0.1	<0.1
AD	2002/5/14	Thallium	ug/g (ppm)	BCMWLAP	0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/14	Tin	ug/g (ppm)	BCMWLAP	0.5	0.7	<0.5	<0.5	0.9
AD	2002/5/14	Vanadium	ug/g (ppm)	BCMWLAP	0.2	28.6	42.2	45.8	26.6
AD	2002/5/14	Zinc	ug/g (ppm)	BCMWLAP	0.5	82.0	18.6	17.8	35.9

MDL: Method Detection Limit

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, SALM Analytical Method 8, v1.0, 2001

Report reviewed by:


for, James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

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ANALYTICAL REPORT

QUALITY CONTROL STANDARD

Attention: Chad Taylor

Project No.: VE51267

File No.: EC42970

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	Analyzed Value	Advisory Range	Target Value	Reference No.
AD	2002/5/14	Antimony	ug/g (ppm)	BCMVLAP	0.5	13.0	1.9-18.1	10.0	SS#8
AD	2002/5/14	Arsenic	ug/g (ppm)	BCMVLAP	0.5	16.9	10.0-19.0	13.0	Till 1
AD	2002/5/14	Barium	ug/g (ppm)	BCMVLAP	1	77	62-101	84	Till 1
AD	2002/5/14	Beryllium	ug/g (ppm)	BCMVLAP	0.1	0.5	0.5-0.6	0.5	SS#8
AD	2002/5/14	Cadmium	ug/g (ppm)	BCMVLAP	0.1	1.2	1.0-1.2	1.1	SS#8
AD	2002/5/14	Chromium	ug/g (ppm)	BCMVLAP	0.5	33.4	22.0-34.0	30.0	Till 1
AD	2002/5/14	Cobalt	ug/g (ppm)	BCMVLAP	0.5	15.8	8.4-17.0	12.0	Till 1
AD	2002/5/14	Copper	ug/g (ppm)	BCMVLAP	0.1	45.6	36.0-54.0	48.0	Till 1
AD	2002/5/14	Lead	ug/g (ppm)	BCMVLAP	0.5	14.2	7.8-20.5	12.0	Till 1
AD	2002/5/14	Manganese	ug/g (ppm)	BCMVLAP	0.5	1214	870-1310	950	Till 1
AD	2002/5/14	Mercury	ug/g (ppm)	BCMVLAP	0.5	3.9	2.3-4.3	3.3	SS#8
AD	2002/5/14	Molybdenum	ug/g (ppm)	BCMVLAP	0.5	1.2	0.8-1.2	1.0	SS#8
AD	2002/5/14	Nickel	ug/g (ppm)	BCMVLAP	0.5	17.5	8.9-26.9	18.0	Till 1
AD	2002/5/14	Selenium	ug/g (ppm)	EPA3050/6010	0.5	178	111-188	150	Era 246
AD	2002/5/14	Silver	ug/g (ppm)	BCMVLAP	0.1	1.0	0.6-1.2	0.9	SS#8
AD	2002/5/14	Thallium	ug/g (ppm)	BCMVLAP	0.5	93.9	46.0-115	80.3	Era 246
AD	2002/5/14	Tin	ug/g (ppm)	BCMVLAP	0.5	3.5	2.8-4.3	3.6	SS#8
AD	2002/5/14	Vanadium	ug/g (ppm)	BCMVLAP	0.2	54.1	33.0-73.0	48.0	Till 1
AD	2002/5/14	Zinc	ug/g (ppm)	BCMVLAP	0.5	75.7	55.0-80.0	70.0	Till 1

MDL: Method Detection Limit


EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

BCMVLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, SALM Analytical Method 8, v1.0, 2001

Report reviewed by:

for 
James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 15/2002
Date Sampled: May 9, 10, 13, 14/2002
Date of Report: June 6/2002
Page 1 of 5

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Parameter	Reference Method	Lab. No.	02-3610	02-3611	02-3612	02-3613	02-3619	02-3620
				Sample I.D.	TP02-17-01-2	TP02-17-02-3	TP02-17-03-2	TP02-17-04-2	TP02-07-01-3	TP02-07-02-2
				Trifluorotoluene Recovery (%)					98	110
				MDL	ug/g (ppm) dry weight					
KL	2002/5/16	Benzene	EPA 5021/BCM WLAP	0.020	--	--	--	--	<0.020	<0.020
KL	2002/5/16	Toluene	EPA 5021/BCM WLAP	0.030	--	--	--	--	0.076	0.037
KL	2002/5/16	Ethylbenzene	EPA 5021/BCM WLAP	0.020	--	--	--	--	0.061	0.029
KL	2002/5/16	Xylenes	EPA 5021/BCM WLAP	0.030	--	--	--	--	0.38	0.11
KL	2002/5/16	VPH (C ₆ - C ₁₀)	VH-BTEX	1.5	--	--	--	--	<1.5	<1.5
KL	2002/5/16	EPH (C ₁₀ -C ₁₉)	EPA 3550/BCM WLAP	10	<10	<10	<10	<10	<10	<10
KL	2002/5/16	EPH (C ₁₉ -C ₃₂)	EPA 3550/BCM WLAP	10	<10	770	<10	27	<10	<10
ME/KL	2002/5/17	LEPH (C ₁₀ -C ₁₉)	EPA 3550/BCM WLAP	10	<10	--	--	--	--	--
ME/KL	2002/5/17	HEPH (C ₁₉ -C ₃₂)	EPA 3550/BCM WLAP	10	<10	--	--	--	--	--
ME	2002/5/17	Moisture	%		5.6	86.9	7.3	6.3	12.8	7.7

MDL: Method detection limit

BCM WLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, Analytical Methods v2.1, 1999.

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EPH: Extractable Petroleum Hydrocarbon - not corrected for PAH content.

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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 15/2002
Date Sampled: May 9, 10, 13, 14/2002
Date of Report: June 6/2002
Page 2 of 5

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Parameter	Reference Method	Lab. No.	02-3621	02-3622	02-3623	02-3623	02-3624	02-3625
				Sample I.D.	TP02-07-03 3	TP02-07-04 3	TP02-07-05 2	TP02-07-05 2 Lab Duplicate	TP02-07-06 4	TP02-07-07 4
				Trifluorotoluene Recovery(%)	118	120	111	95	97	108
				MDL	ug/g (ppm) dry weight					
KL	2002/5/16	Benzene	EPA 5021/BCMWWLAP	0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
KL	2002/5/16	Toluene	EPA 5021/BCMWWLAP	0.030	0.039	<0.030	<0.030	<0.030	0.19	<0.030
KL	2002/5/16	Ethylbenzene	EPA 5021/BCMWWLAP	0.020	0.065	<0.020	<0.020	<0.020	1.7	<0.020
KL	2002/5/16	Xylenes	EPA 5021/BCMWWLAP	0.030	0.17	0.081	<0.030	0.099	6.7	<0.030
KL	2002/5/16	VPH (C ₆ - C ₁₀)	VH-BTEX	1.5	5.0	1.7	<1.5	<1.5	72	<1.5
KL	2002/5/16	EPH (C ₁₀ -C ₁₉)	EPA 3550/BCMWWLAP	10	11	<10	<10	<10	280	<10
KL	2002/5/16	EPH (C ₁₉ -C ₃₂)	EPA 3550/BCMWWLAP	10	27	<10	28	26	320	20
ME/KL	2002/5/17	LEPH (C ₁₀ -C ₁₉)	EPA 3550/BCMWWLAP	10	--	--	--	--	--	<10
ME/KL	2002/5/17	HEPH (C ₁₉ -C ₃₂)	EPA 3550/BCMWWLAP	10	--	--	--	--	--	20
ME	2002/5/17	Moisture	%		14.2	11.6	11.7	--	56.8	14.3

MDL: Method detection limit

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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 15/2002
Date Sampled: May 9, 10, 13, 14/2002
Date of Report: June 6/2002
Page 3 of 5

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Parameter	Reference Method	Lab. No.	02-3626	02-3627	02-3628	02-3629	02-3630	02-3631
				Sample I.D.	TP02-07-07-3	TP02-07-08-3	TP02-07-09-3	TP02-08-01-1	TP02-08-02-2	TP02-08-03-2
				Trifluorotoluene Recovery(%)						
				MDL	114	101	99	88	103	113
					ug/g (ppm) dry weight					
KL	2002/5/16	Benzene	EPA 5021/BCMWLAP	0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
KL	2002/5/16	Toluene	EPA 5021/BCMWLAP	0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
KL	2002/5/16	Ethylbenzene	EPA 5021/BCMWLAP	0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
KL	2002/5/16	Xylenes	EPA 5021/BCMWLAP	0.030	<0.030	<0.030	<0.030	<0.030	0.036	<0.030
KL	2002/5/16	VPH (C ₆ - C ₁₀)	VH-BTEX	1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
KL	2002/5/16	EPH (C ₁₀ -C ₁₉)	EPA 3550/BCMWLAP	10	<10	<10	<10	<10	<10	<10
KL	2002/5/16	EPH (C ₁₉ -C ₃₂)	EPA 3550/BCMWLAP	10	27	<10	250	<10	77	69
ME/KL	2002/5/17	LEPH (C ₁₀ -C ₁₉)	EPA 3550/BCMWLAP	10	<10	--	--	--	<10	--
ME/KL	2002/5/17	HEPH (C ₁₉ -C ₃₂)	EPA 3550/BCMWLAP	10	25	--	--	--	77	--
ME	2002/5/17	Moisture	%		17.2	17.3	59.7	6.1	25.7	25.2

MDL: Method detection limit

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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 15/2002
Date Sampled: May 9, 10, 13, 14/2002
Date of Report: June 8/2002
Page 4 of 5

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Parameter	Reference Method	Lab. No.	02-3632	02-3633	02-3634	02-3635	02-3636	02-3648	02-3649
				Sample I.D.	TP02-08-04-3	TP02-23-01-2	TP02-23-02-2	TP02-23-03-2	TP02-23-04-3	TP02-10-01-1	TP02-10-02-1
				Trifluorotoluene Recovery(%)							
				MDL	99	114	104	112	105		
				ug/g (ppm) dry weight							
KL	2002/5/16	Benzene	EPA 5021/BCMWLAP	0.020	<0.020	<0.020	<0.020	<0.020	<0.020	--	--
KL	2002/5/16	Toluene	EPA 5021/BCMWLAP	0.030	<0.030	<0.030	<0.030	<0.030	<0.030	--	--
KL	2002/5/16	Ethylbenzene	EPA 5021/BCMWLAP	0.020	<0.020	<0.020	<0.020	<0.020	<0.020	--	--
KL	2002/5/16	Xylenes	EPA 5021/BCMWLAP	0.030	<0.030	<0.030	<0.030	<0.030	<0.030	--	--
KL	2002/5/16	VPH (C ₆ - C ₁₀)	VH-BTEX	1.5	<1.5	<1.5	<1.5	<1.5	<1.5	--	--
KL	2002/5/16	EPH (C ₁₀ -C ₁₉)	EPA 3550/BCMWLAP	10	<10	<10	<10	13	<10	<10	<10
KL	2002/5/16	EPH (C ₁₉ -C ₃₂)	EPA 3550/BCMWLAP	10	35	170	73	<10	11	<10	12
ME/KL	2002/5/17	LEPH (C ₁₀ -C ₁₉)	EPA 3550/BCMWLAP	10	--	--	--	13	--	--	--
ME/KL	2002/5/17	HEPH (C ₁₉ -C ₃₂)	EPA 3550/BCMWLAP	10	--	--	--	<10	--	--	--
ME	2002/5/17	Moisture	%		12.6	26.9	26.9	19.4	9.1	7.2	5.0

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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 15/2002
Date Sampled: May 9, 10, 13, 14/2002
Date of Report: June 6/2002
Page 5 of 5

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Parameter	Reference Method	Lab. No.	02-3650	02-3651	02-3652	02-3652	02-3653	02-3653	02-3654
				Sample I.D.	TP02-10-03-1	TP02-10-04-1	BH02-07-02-4	BH02-07-02-4 Lab duplicate	BH02-07-02-9	BH02-07-02-9 Lab duplicate	BH02-07-03-4
				Trifluorotoluene Recovery(%)							
				MDL			88	88	113	113	116
					ug/g (ppm) dry weight						
KL	2002/5/16	Benzene	EPA 5021/BCMVLAP	0.020	--	--	0.12	0.13	0.34	0.33	<0.020
KL	2002/5/16	Toluene	EPA 5021/BCMVLAP	0.030	--	--	0.50	0.51	0.74	0.48	<0.030
KL	2002/5/16	Ethylbenzene	EPA 5021/BCMVLAP	0.020	--	--	3.1	3.2	2.7	2.4	<0.020
KL	2002/5/16	Xylenes	EPA 5021/BCMVLAP	0.030	--	--	6.5	5.1	4.8	4.1	0.047
KL	2002/5/16	VPH (C ₆ - C ₁₀)	VH-BTEX	1.5	--	--	130	140	130	110	<1.5
KL	2002/5/16	EPH (C ₁₀ -C ₁₉)	EPA 3550/BCMVLAP	10	<10	<10	170	--	180	--	<10
KL	2002/5/16	EPH (C ₁₉ -C ₃₂)	EPA 3550/BCMVLAP	10	26	300	38	--	<10	--	45
ME/KL	2002/5/17	LEPH (C ₁₀ -C ₁₉)	EPA 3550/BCMVLAP	10	--	<10	169	--	178	--	--
ME/KL	2002/5/17	HEPH (C ₁₉ -C ₃₂)	EPA 3550/BCMVLAP	10	--	300	37	--	<10	--	--
ME	2002/5/17	Moisture	%		7.7	6.6	22.7	--	15.7	--	31.2

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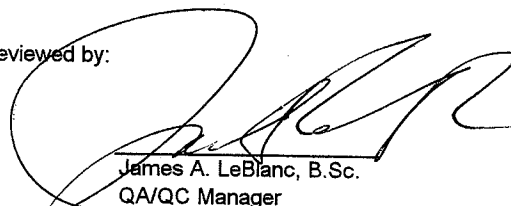
EPH: Extractable Petroleum Hydrocarbon - not corrected for PAH content.

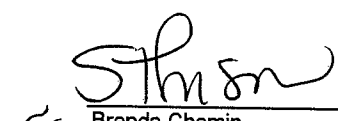
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Report reviewed by:


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QA/QC Manager
Laboratory Services


for Brenda Chomin
Manager
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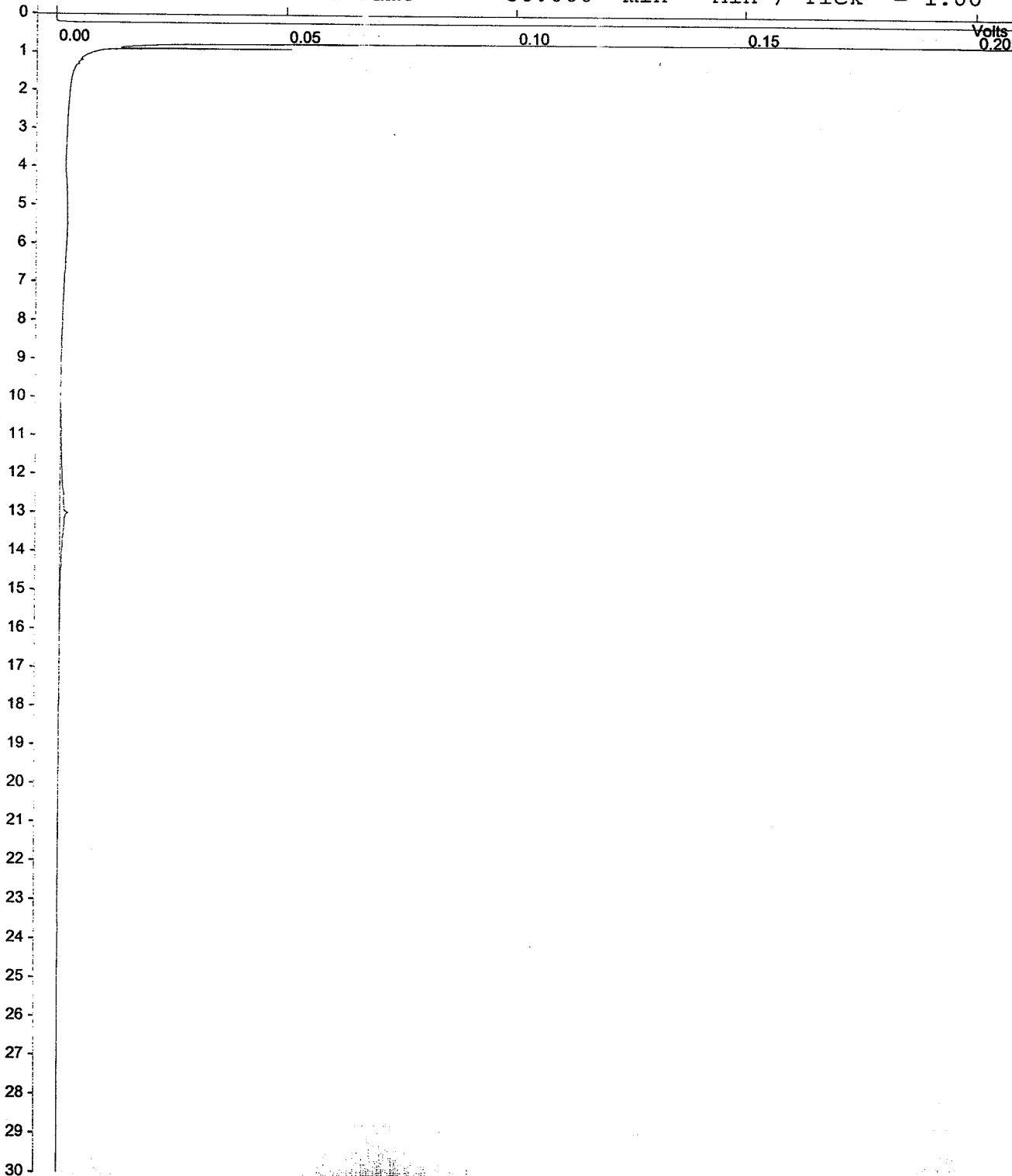
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Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3610

Injection Date: 5/18/02 2:53 PM Calculation Date: 5/21/02 10:25 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 868 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



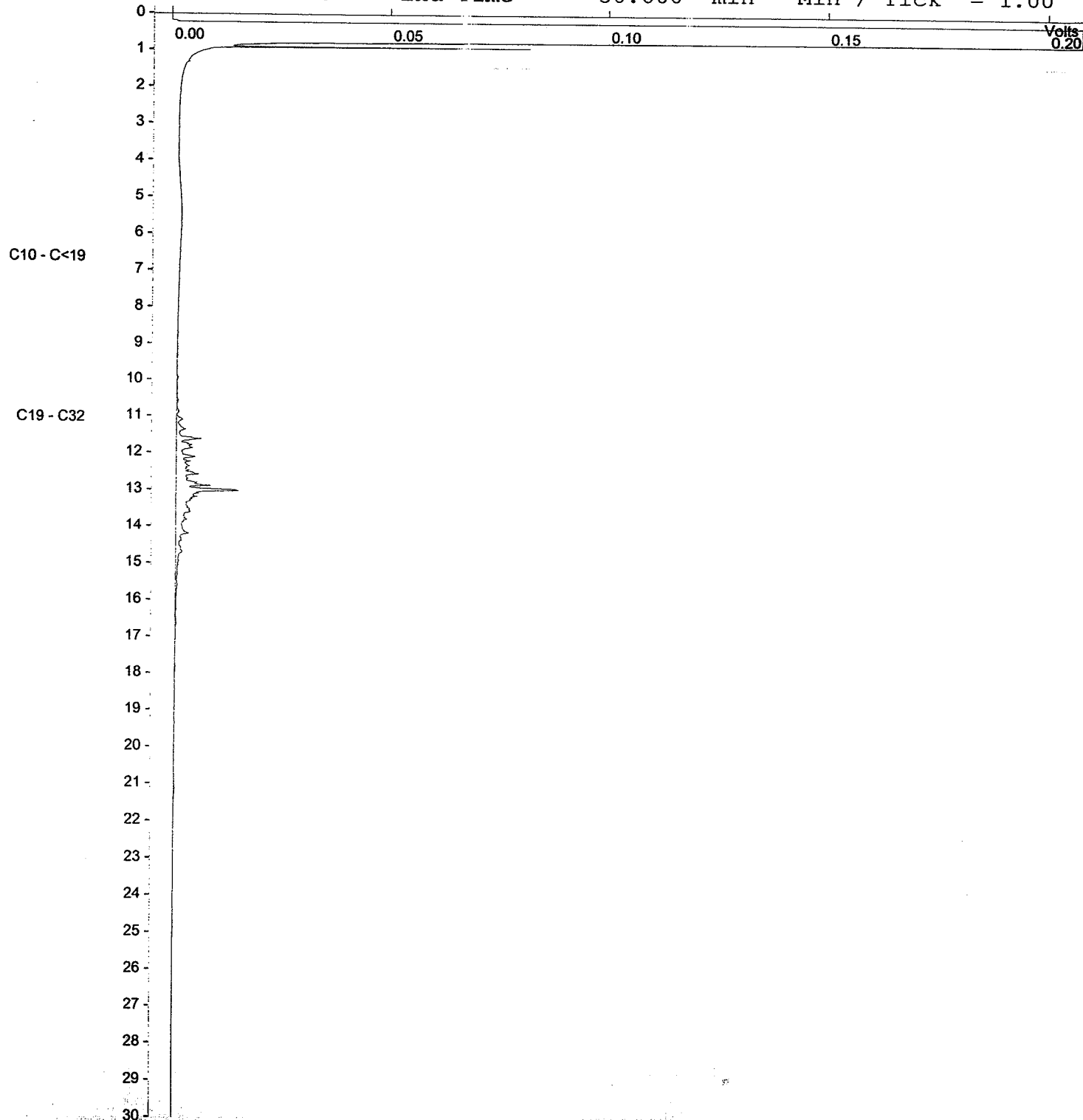
Run File : C:\star\data\kelvin svh\5-18-02-3:38:58 pm--3611.run
Method File : C:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3611

Injection Date: 5/18/02 3:38 PM Calculation Date: 5/21/02 10:25 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A - FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 868 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



Run File : c:\star\data\kelvin\svh\5-18-02-4;24;52 pm-3612.run
Method File : c:\star\tpn-bc-eph-02-04-29.mth
Sample ID : 3612

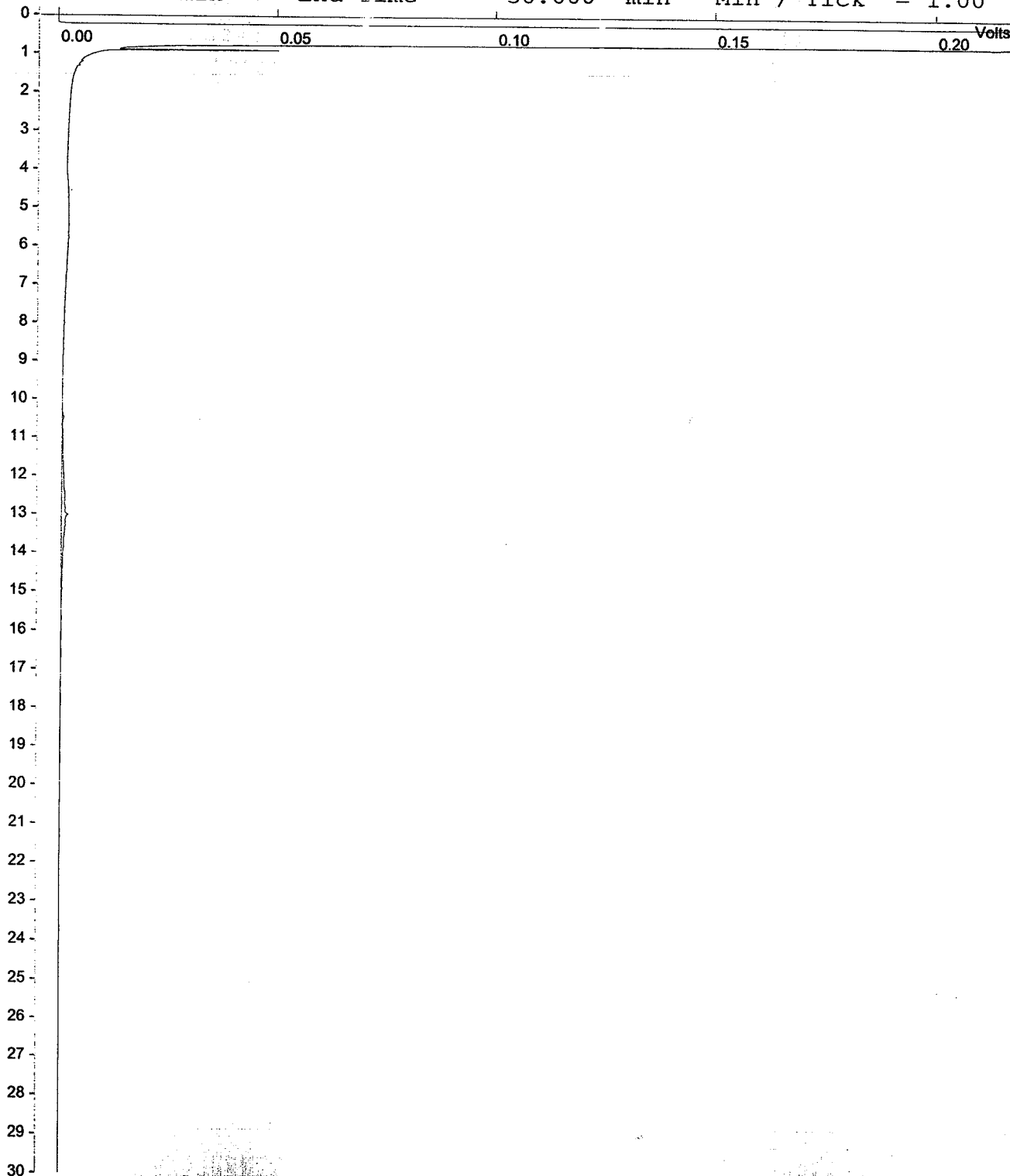
Injection Date: 5/18/02 4:24 PM Calculation Date: 5/21/02 10:25 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

* Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 911 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00

C19 - C32



Run File : c:\star\data\kelvin\svr\5-18-02-5:10:43 pm--3613.run

Method File : c:\star\tph-bc-eph-02-04-29.mth

Sample ID : 3613

Injection Date: 5/18/02 5:10 PM Calculation Date: 5/21/02 10:25 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)

Workstation: TSH Bus Address : 16

Instrument : Varian Star #1 Sample Rate : 10.00 Hz

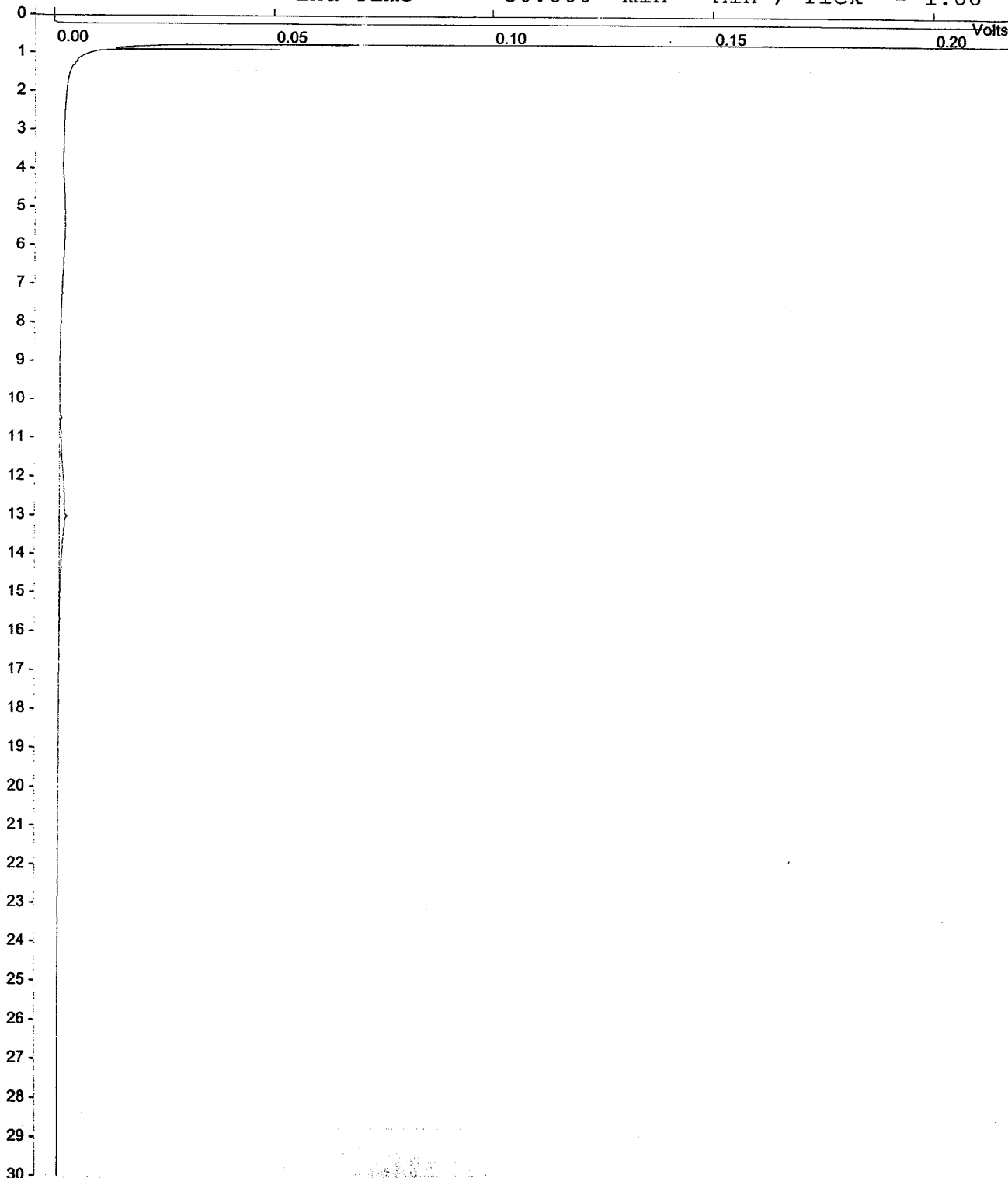
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 911 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00

C10 - C<19

C19 - C32



Run File : c:\star\data\kelvin svh\5-18-02-6:42:40 pm--3619.run
Method File : c:\star\tph-bc-eph-02-04-29.mth
Sample ID : 3619

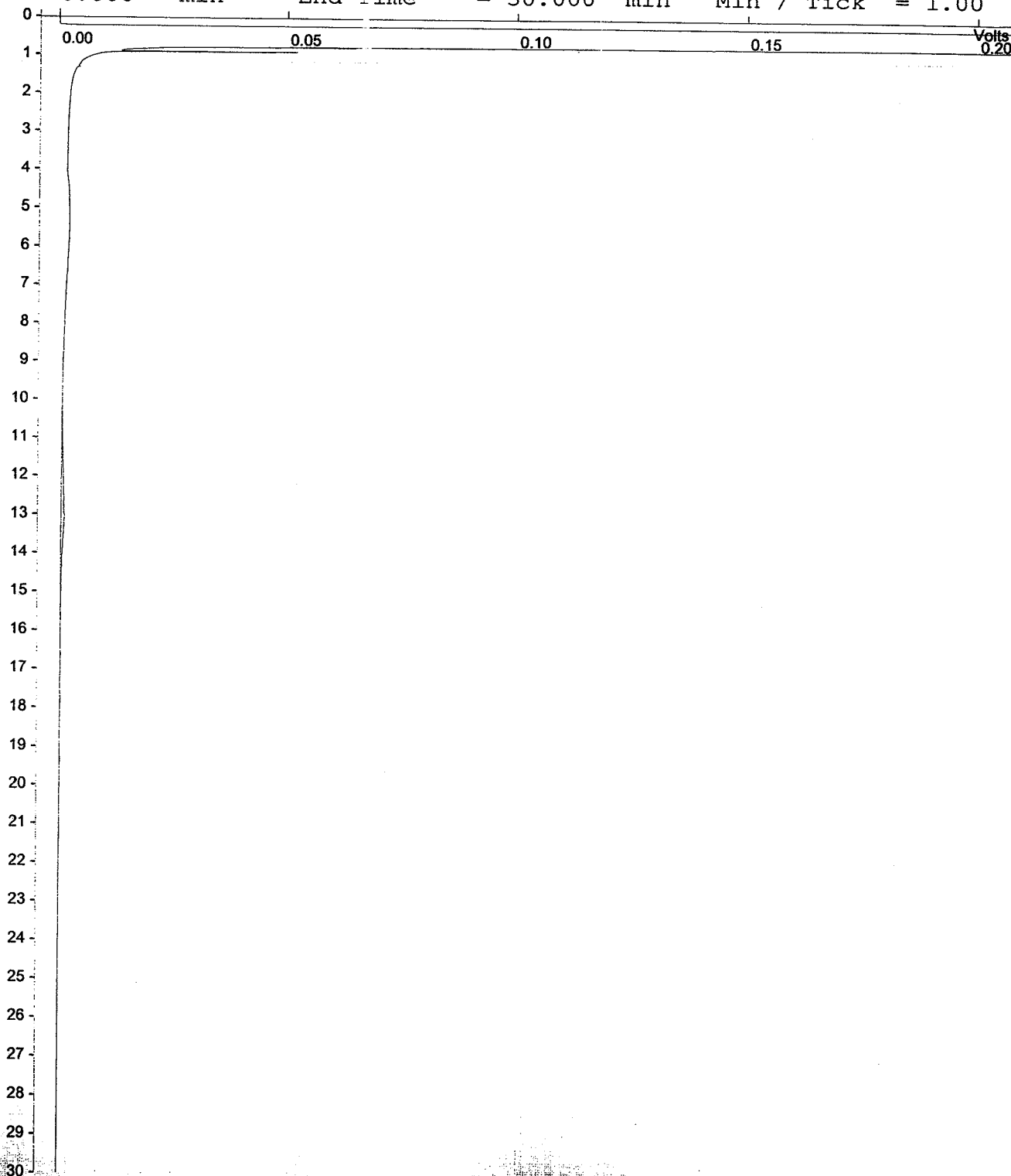
Injection Date: 5/18/02 6:42 PM Calculation Date: 5/21/02 10:25 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 868 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00

C19 - C32



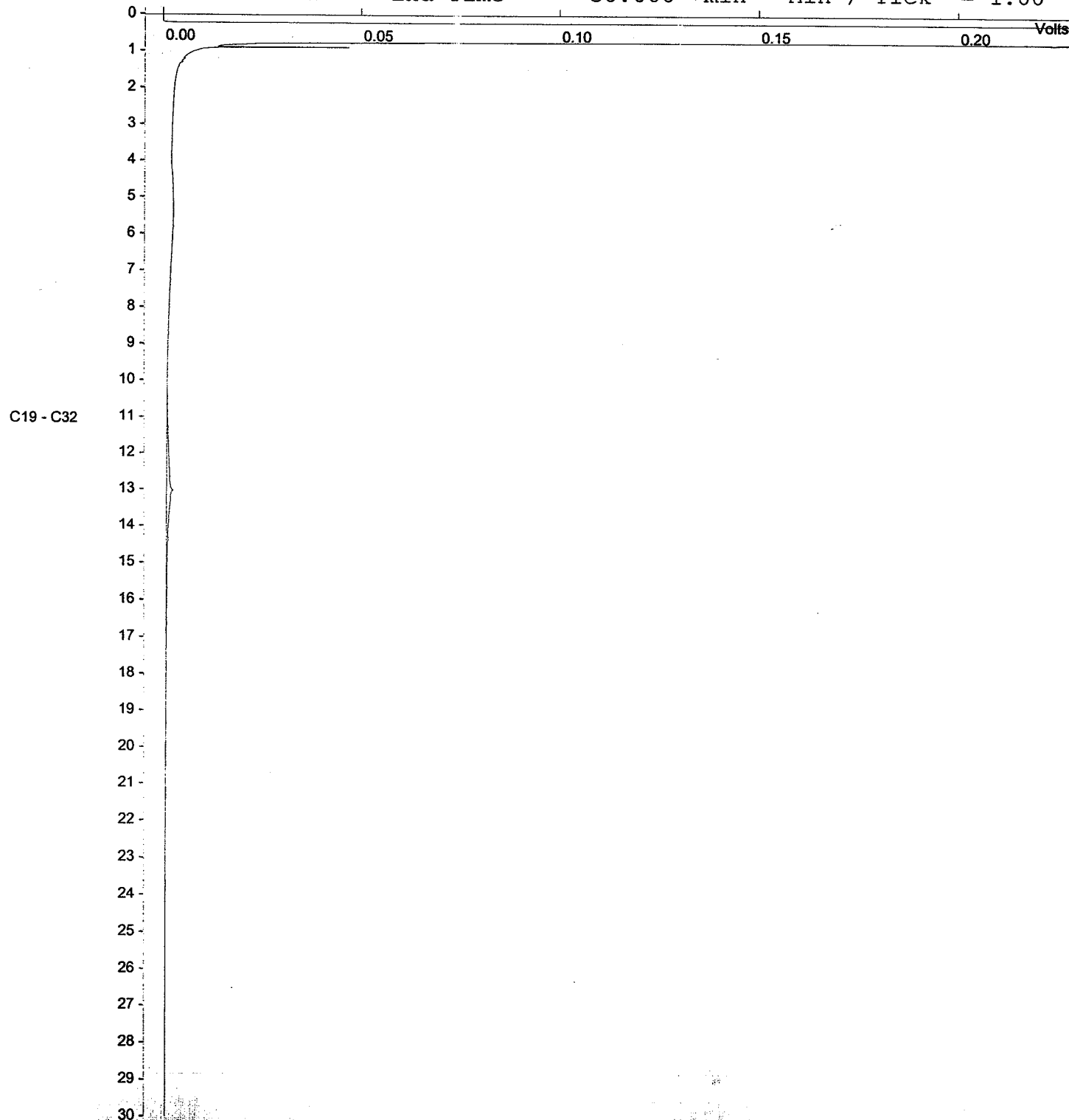
Run File : c:\star\data\kelvin svh\5-18-02-7:28:29 pm-3620.run
Method File : c:\star\tph-bc-eph-02-04-29.mth
Sample ID : 3620

Injection Date: 5/18/02 7:28 PM Calculation Date: 5/21/02 10:29 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 957 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



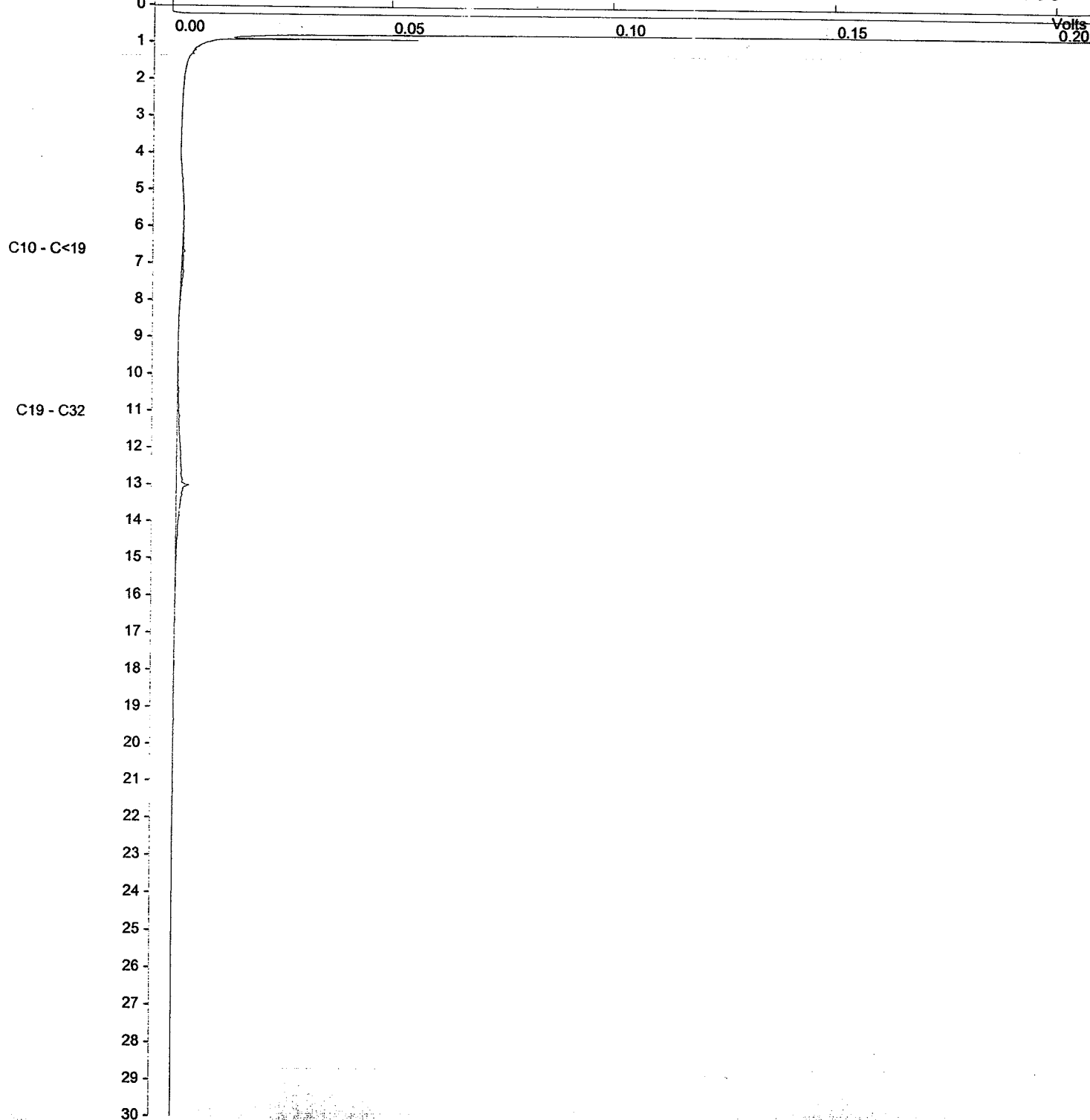
Run File : c:\star\data\kelvin\svh\5-18-02-8;14;13 pm--3621.run
Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3621

Injection Date: 5/18/02 8:14 PM Calculation Date: 5/21/02 10:29 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 868 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



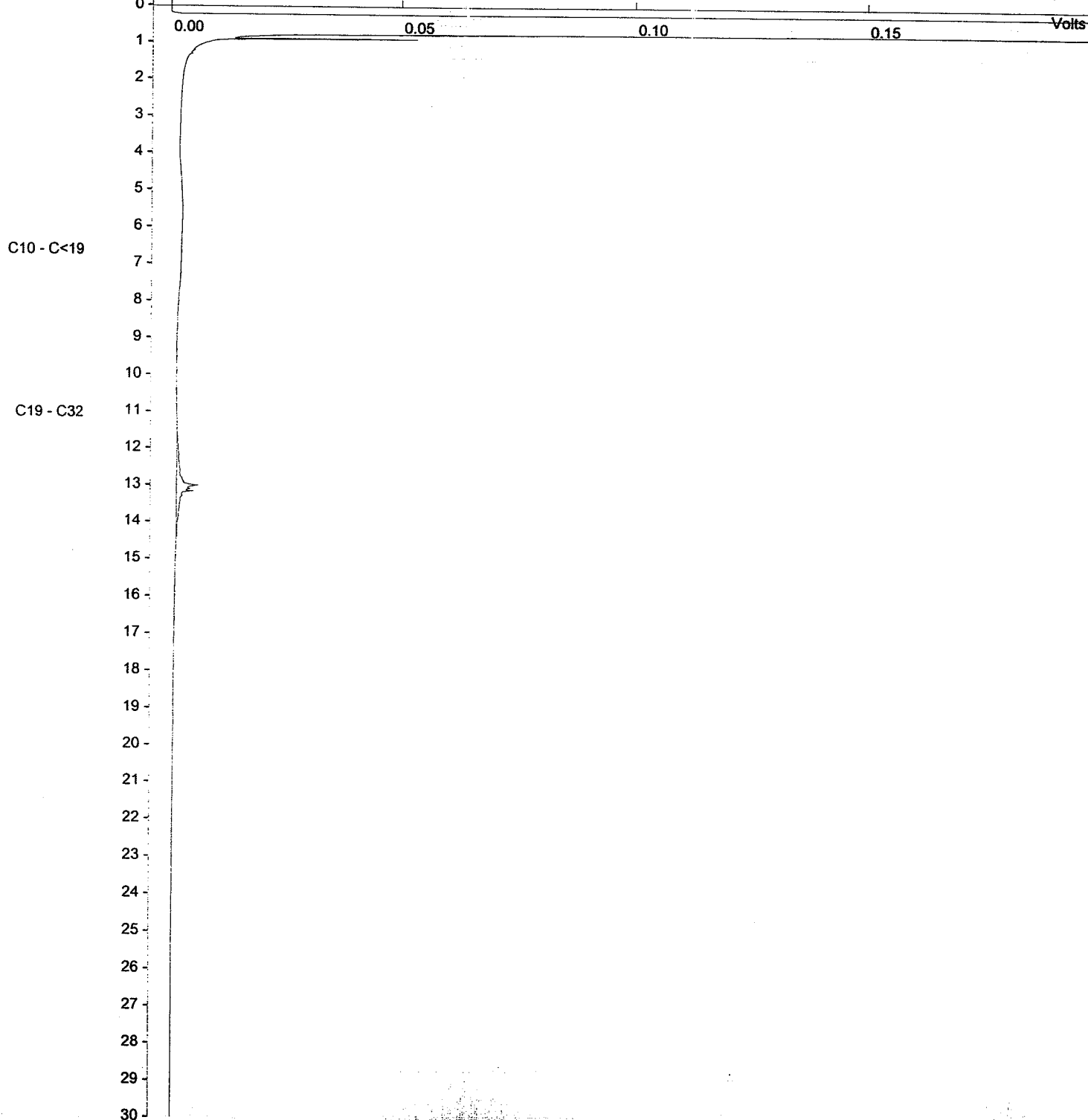
Run File : c:\star\data\kelvin\sv\5-18-02-9;00;05 pm--3622.run
Method File : c:\star\tph-bc-eph-02-04-29.mth
Sample ID : 3622

Injection Date: 5/18/02 9:00 PM Calculation Date: 5/21/02 10:29 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 827 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



Run File : c:\star\data\kelvin svh\5-18-02-9:45:52 pm--3623.run
Method File : c:\star\tph-bc-eph-02-04-29.mth
Sample ID : 3623

Injection Date: 5/18/02 9:45 PM Calculation Date: 5/21/02 10:29 PM

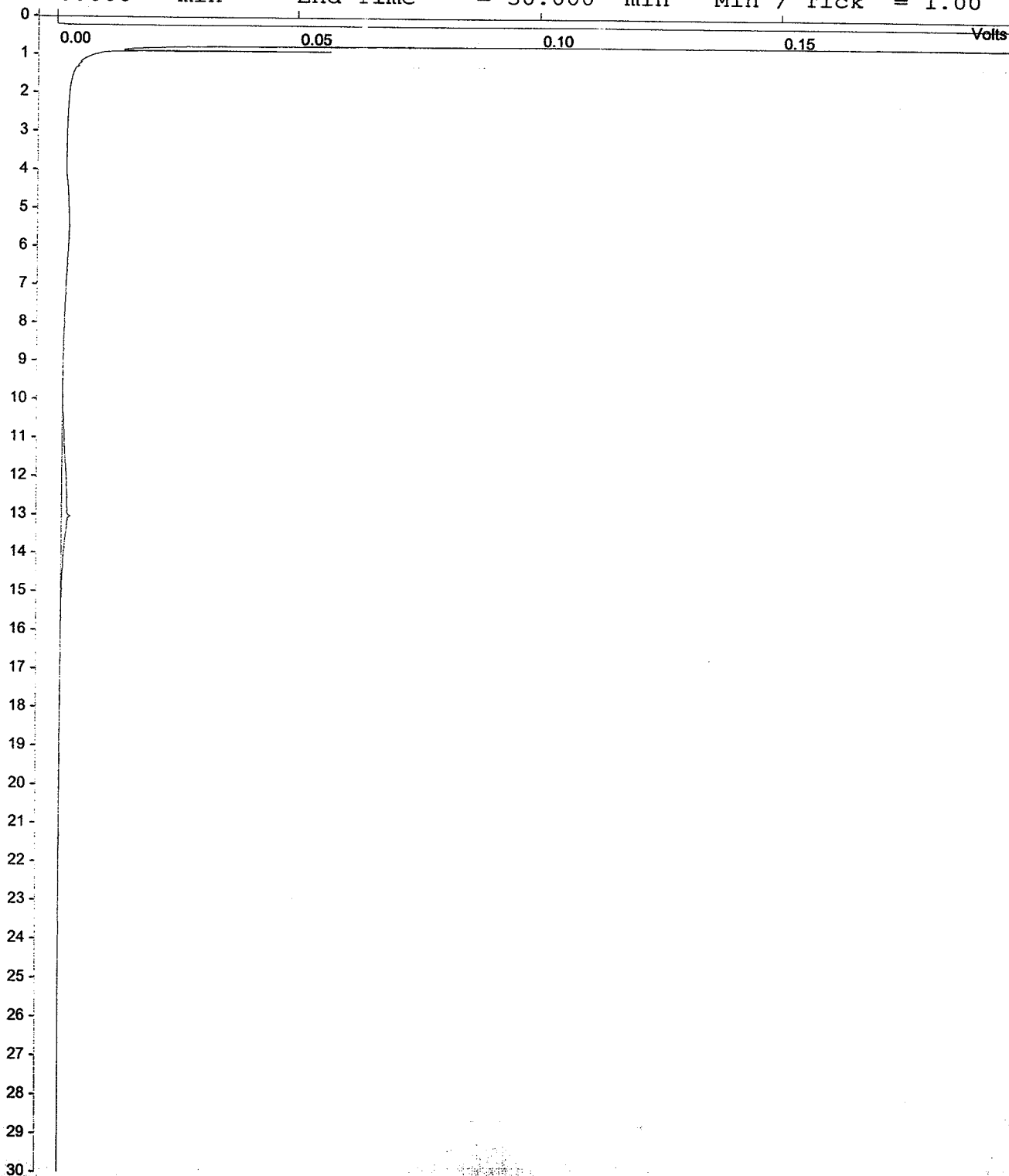
Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 827 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00

C10 - C<19

C19 - C32



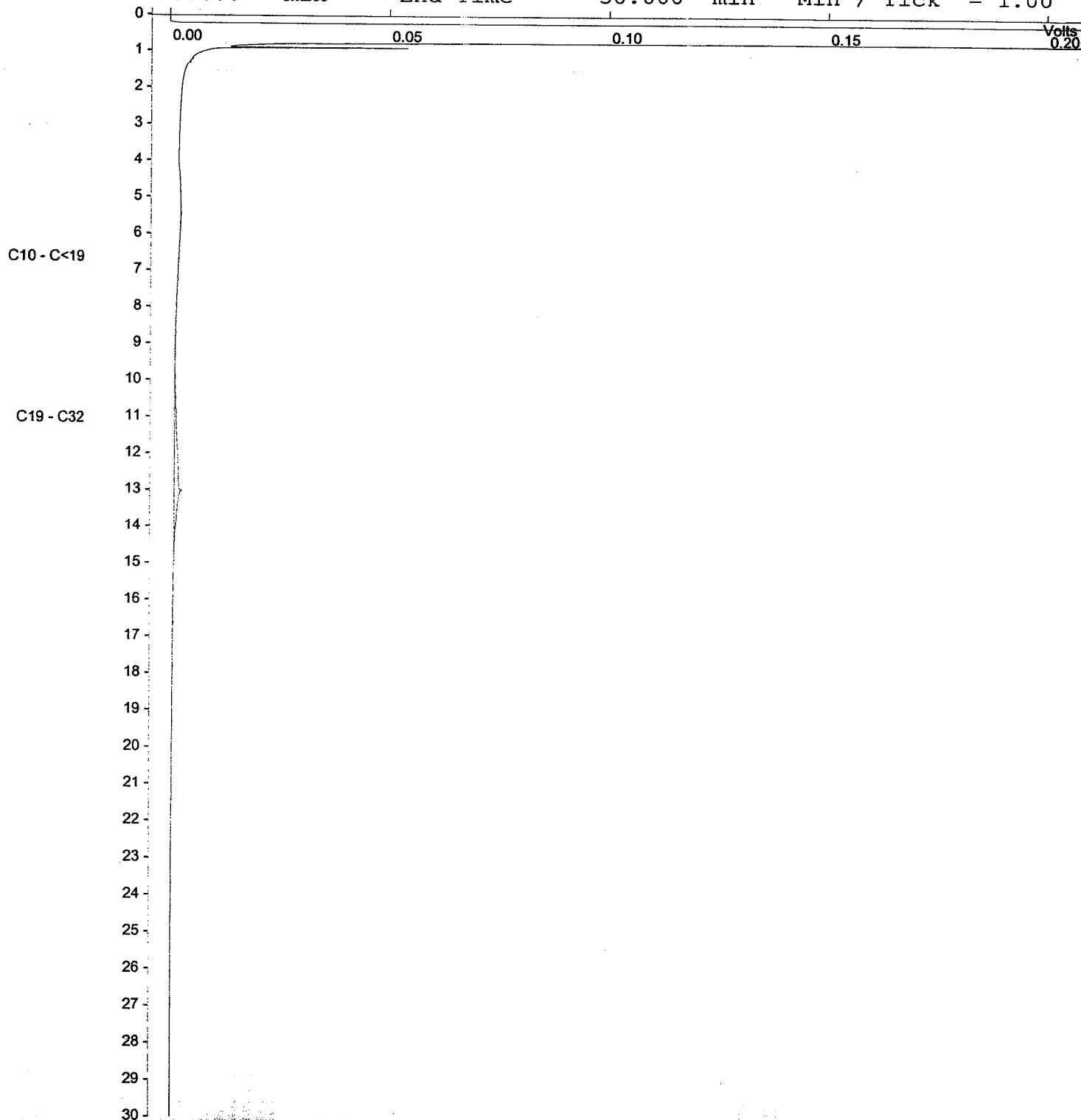
Run File : c:\star\data\kelvin svh\5-18-02-10:31:35 pm-3623 dup.run
Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3623 Dup

Injection Date: 5/18/02 10:31 PM Calculation Date: 5/21/02 10:29 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 868 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



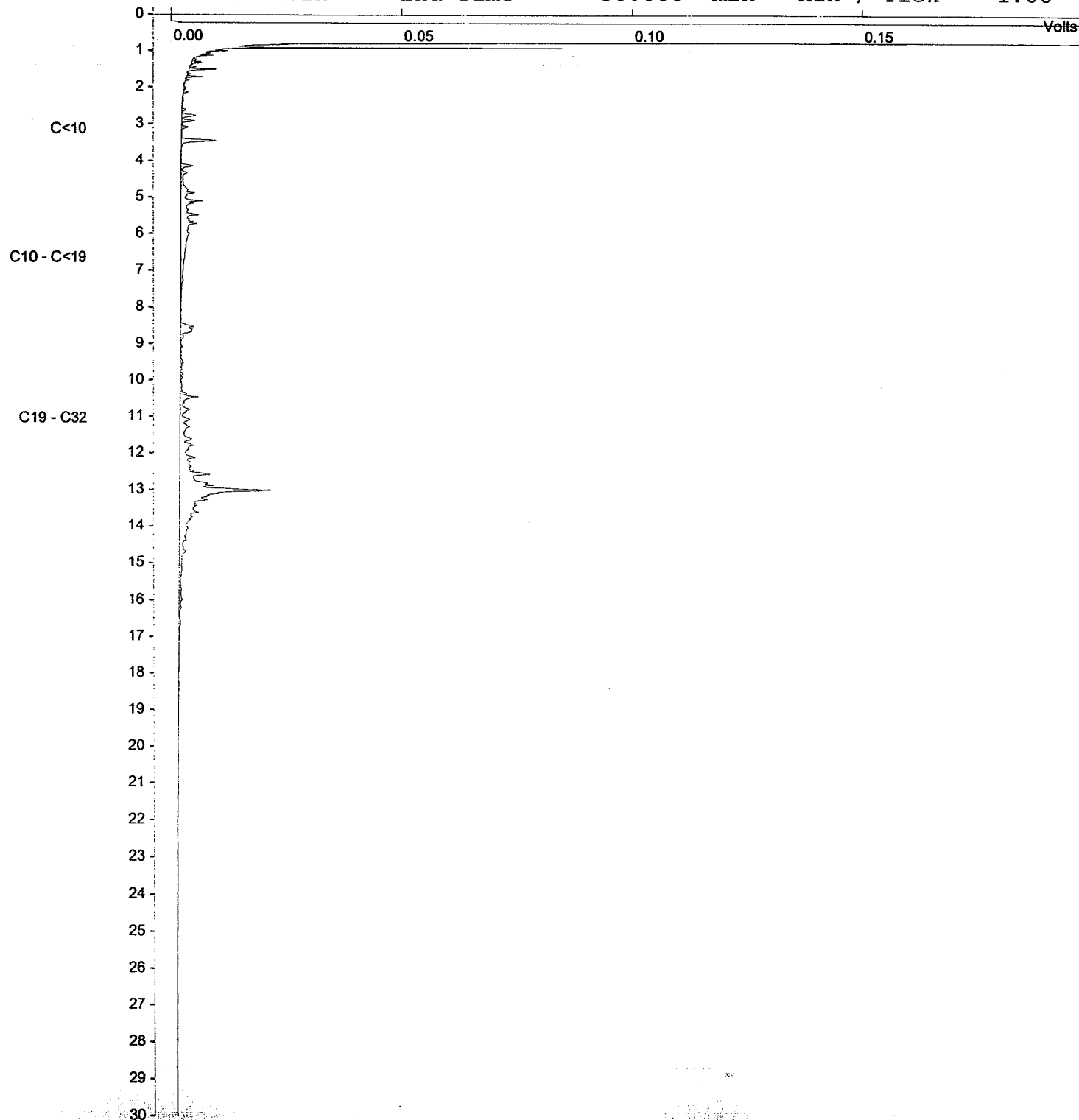
Run File : c:\star\data\kelvin_svh\5-18-02-11:17:21 pm--3624.run
Method File : c:\star\tph-bc-eph-02-04-29.mth
Sample ID : 3624

Injection Date : 5/18/02 11:17 PM Calculation Date : 5/21/02 10:33 PM

Operator : Kelvin Lien Detector Type : ADGB (1 Volt)
Workstation : TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 827 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



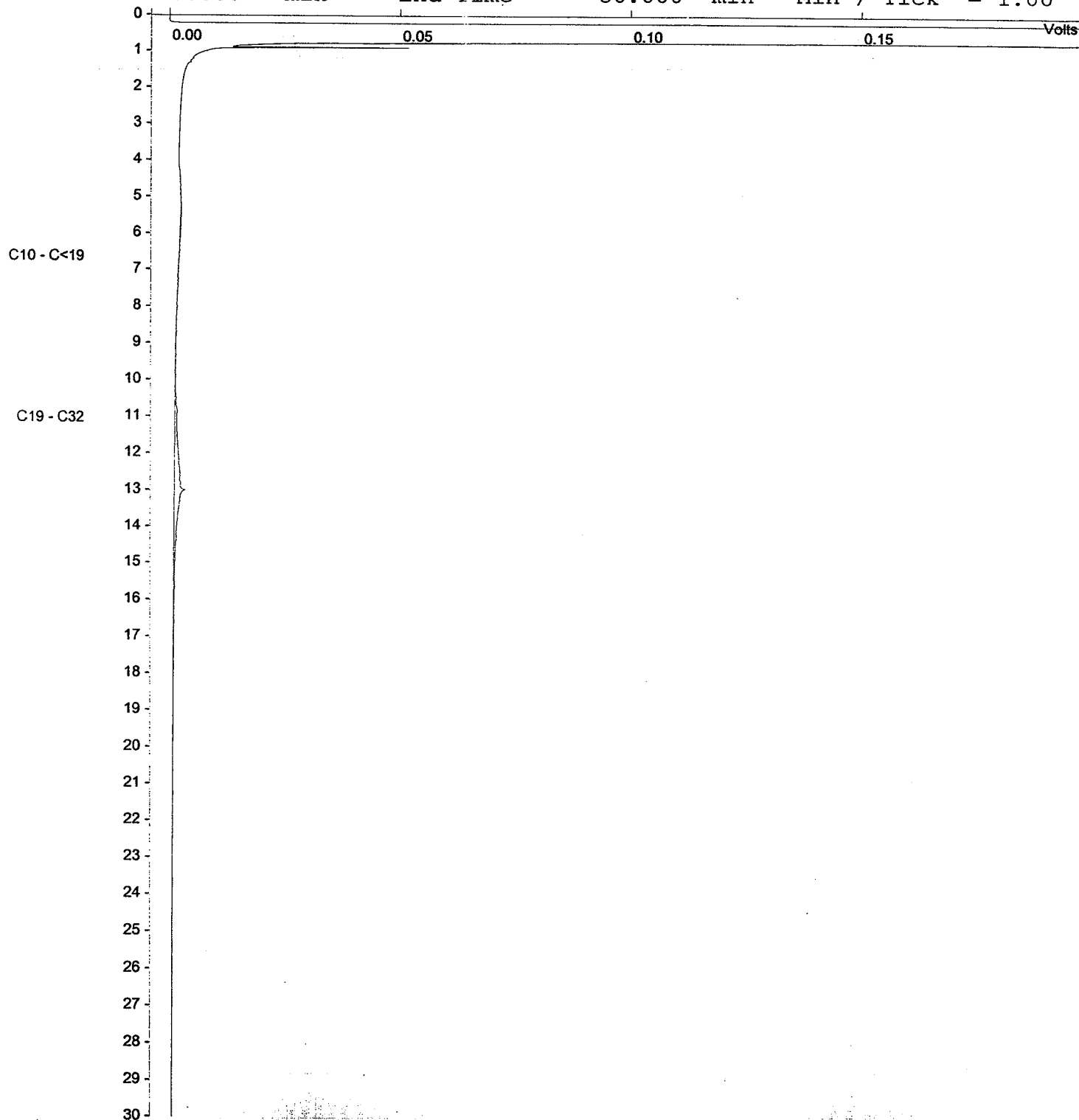
Run File : c:\star\data\kelvin_svh\5-19-02-12:03:04 am-3625.run
Method File : c:\star\top-bc-eph-02-04-29.mth
Sample ID : 3625

Injection Date: 5/19/02 12:03 AM Calculation Date: 5/21/02 10:36 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 827 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



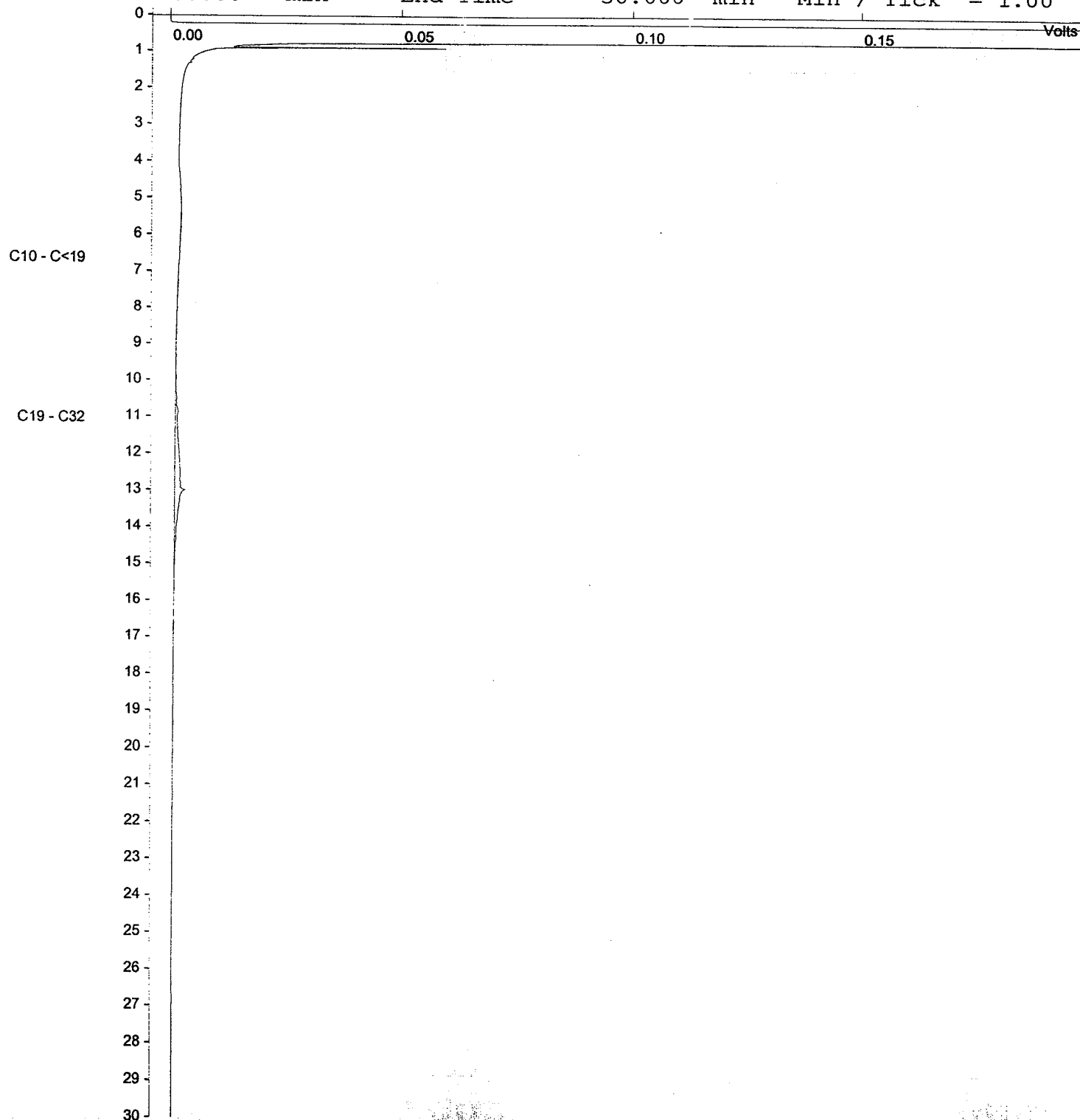
Run File : c:\star\data\kelvin\sv\5-19-02-12;48;53 am--3626.run
Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3626

Injection Date: 5/19/02 12:48 AM Calculation Date: 5/21/02 10:36 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 827 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



Run File : c:\star\data\kelvin svh\5-19-02-1\34;47 am--3627.run
Method File : c:\star\tph-bc-eph-02-04-29.mth
Sample ID : 3627

Injection Date: 5/19/02 1:34 AM Calculation Date: 5/21/02 10:36 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)

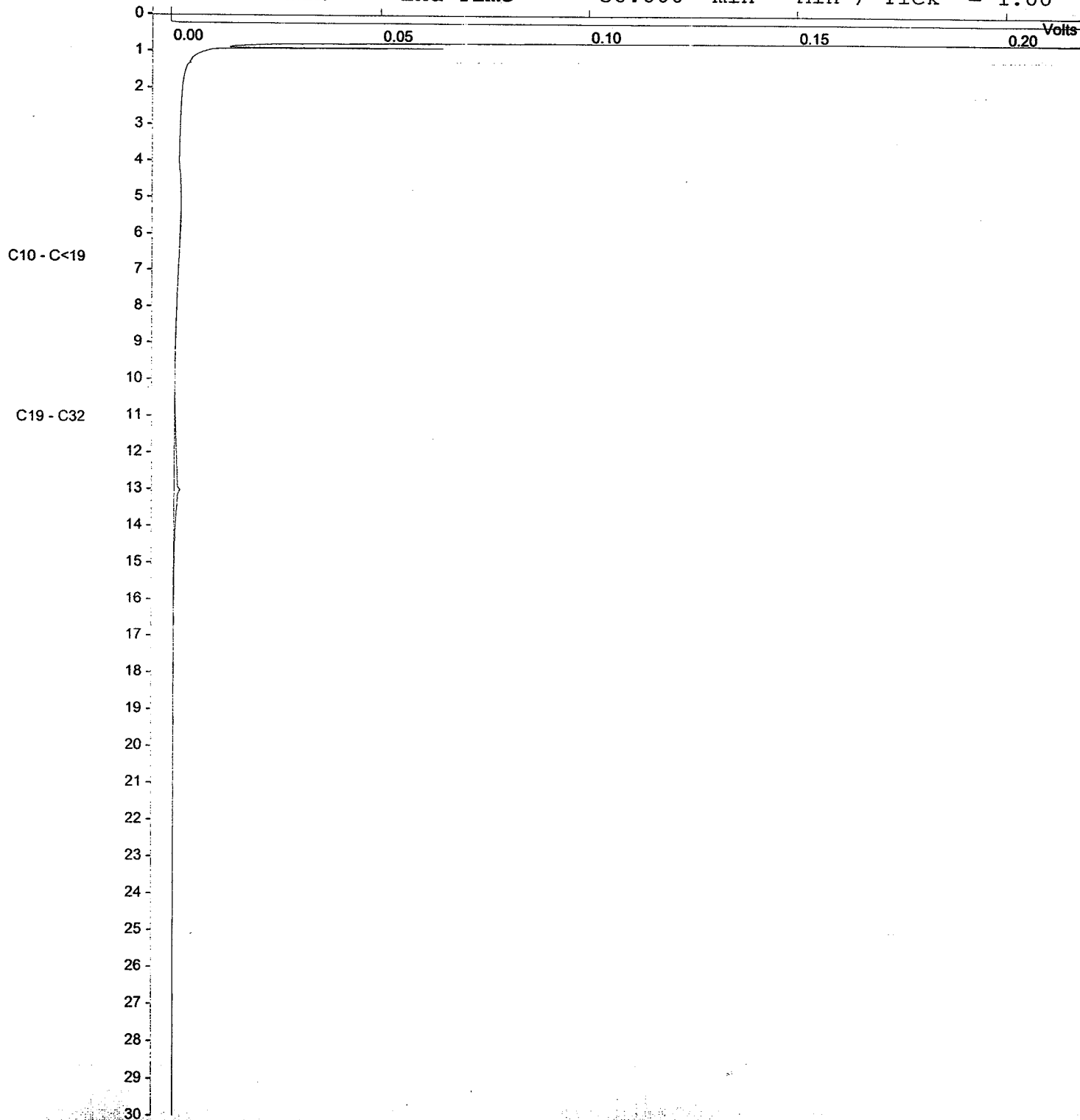
Workstation: TSH Bus Address : 16

Instrument : Varian Star #1 Sample Rate : 10.00 Hz

Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 911 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



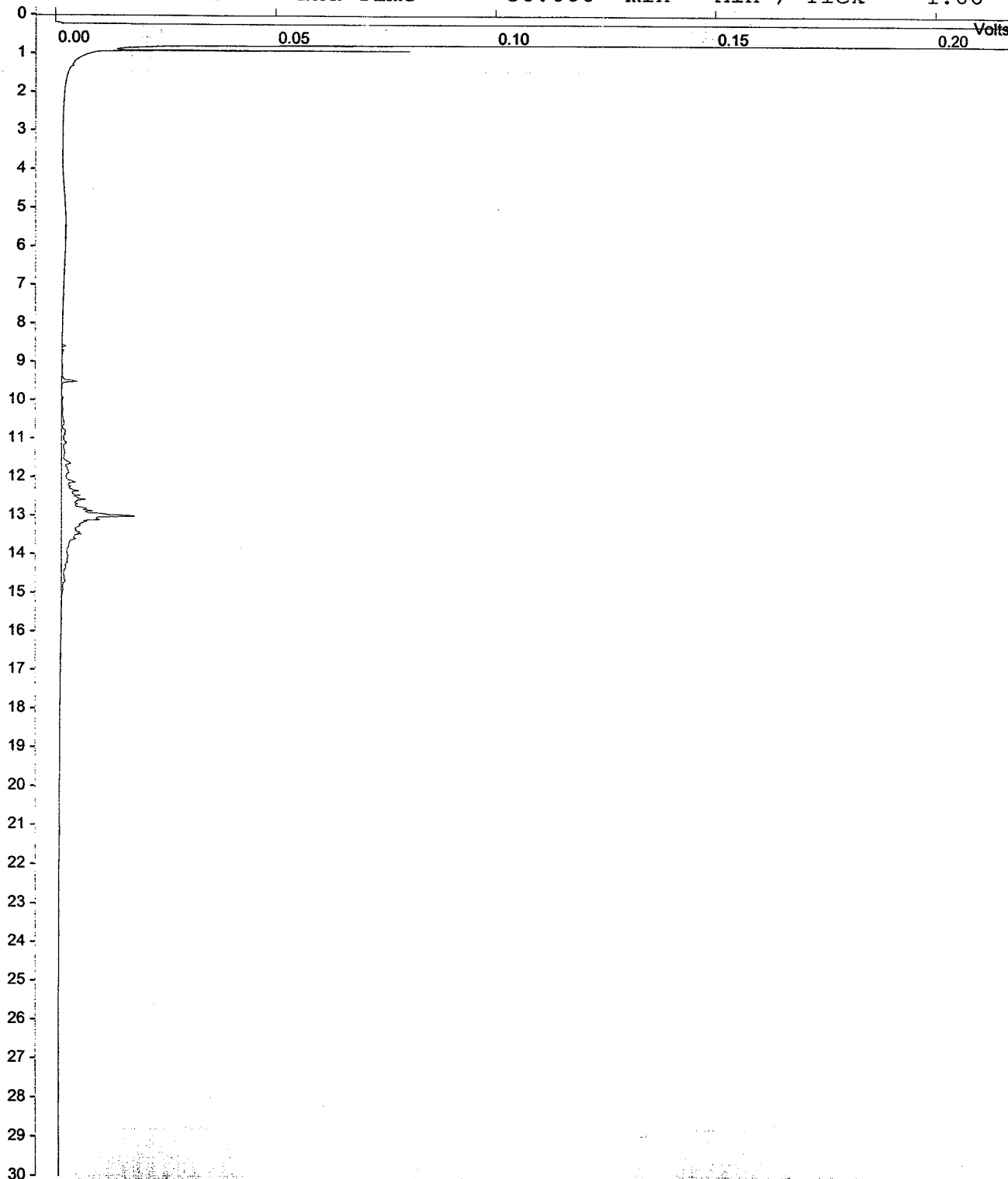
Run File : c:\Star\data\kelvin svh\5-19-02-2;20;26 am-3628.run
Method File : c:\Star\eph-bc-eph-02-04-29.mth
Sample ID : 3628

Injection Date: 5/19/02 2:20 AM Calculation Date: 5/21/02 10:36 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 911 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



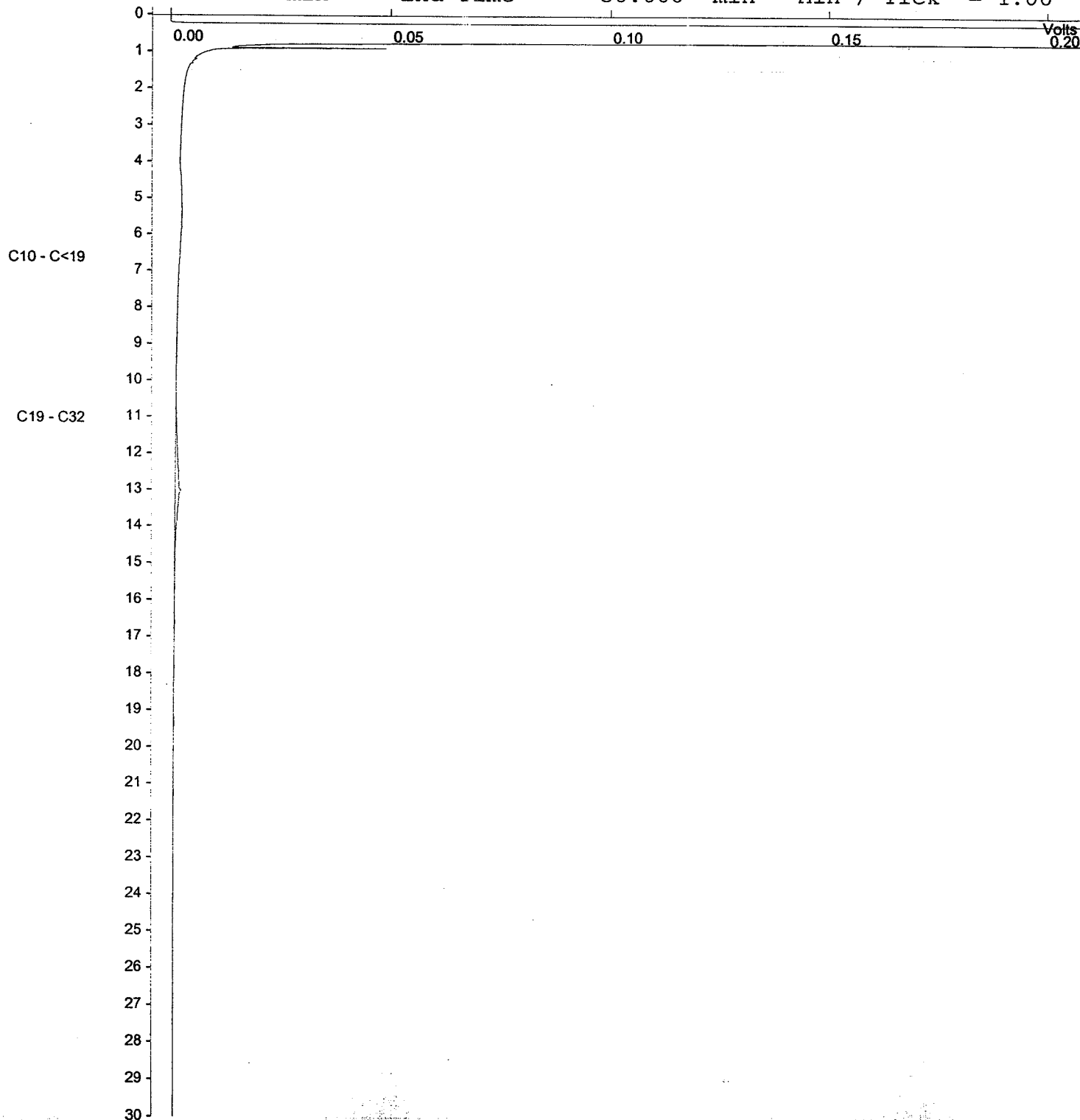
Run File : C:\star\data\kelvin\svn\5-19-02-3;06;04 am--3629.run
Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3629

Injection Date: 5/19/02 3:06 AM Calculation Date: 5/21/02 10:36 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 868 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



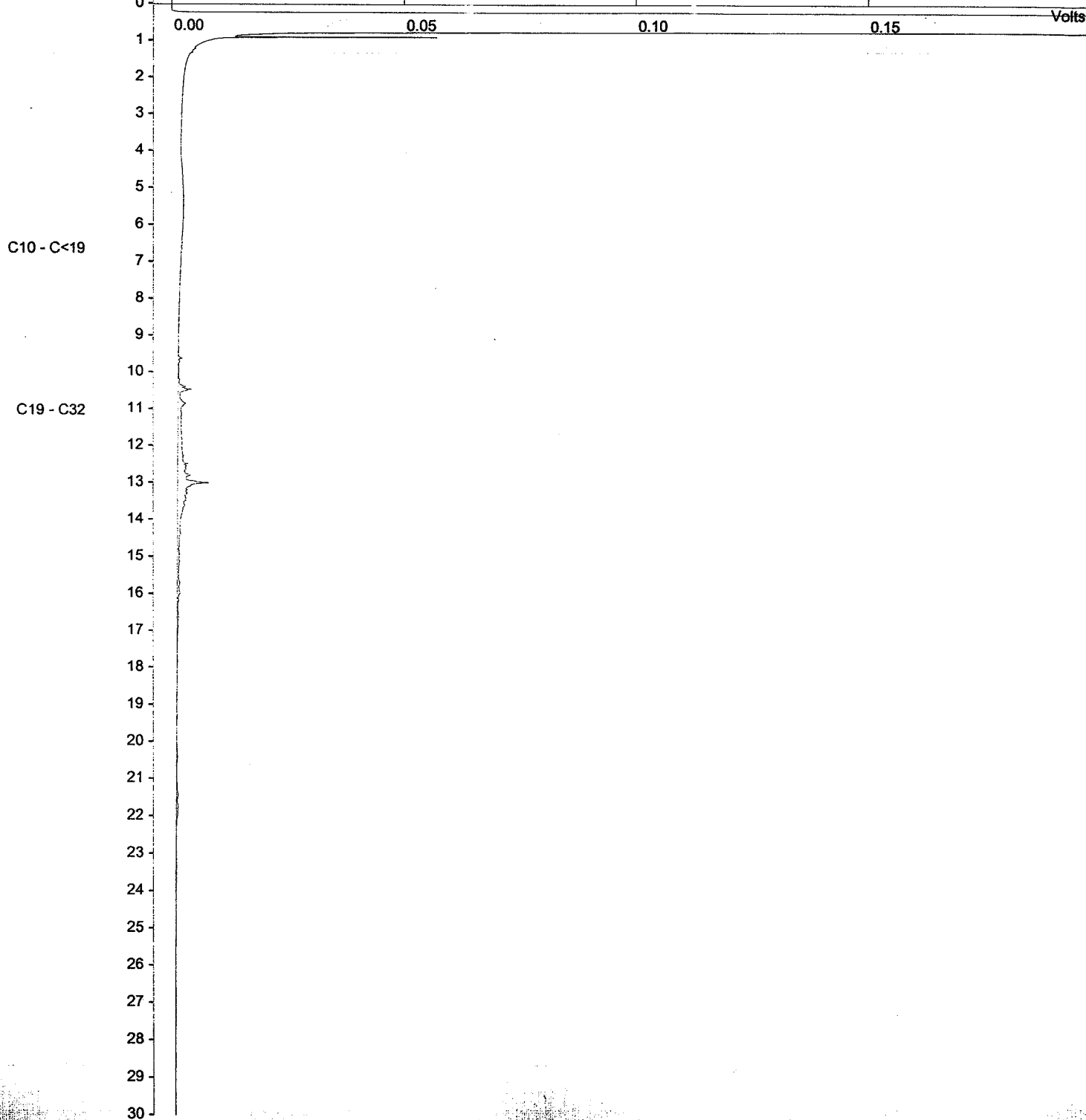
Run File : c:\star\data\kelvin svh\5-19-02-6:08:40 am--3630.run
Method File : c:\star\tph-bc-eph-02-04-29.mth
Sample ID : 3630

Injection Date: 5/19/02 6:08 AM Calculation Date: 5/21/02 10:36 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 827 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



Run File : c:\star\data\kelvin\svh\5-19-02-6:53:39 am--3631.run

Method File : c:\star\tph-bc-eph-02-04-29.mth

Sample ID : 3631

Injection Date: 5/19/02 6:53 AM Calculation Date: 5/21/02 10:40 PM

Operator : Kelvin Lien Detector Type: ADGB (1 Volt)

Workstation: TSH Bus Address : 16

Instrument : Varian Star #1

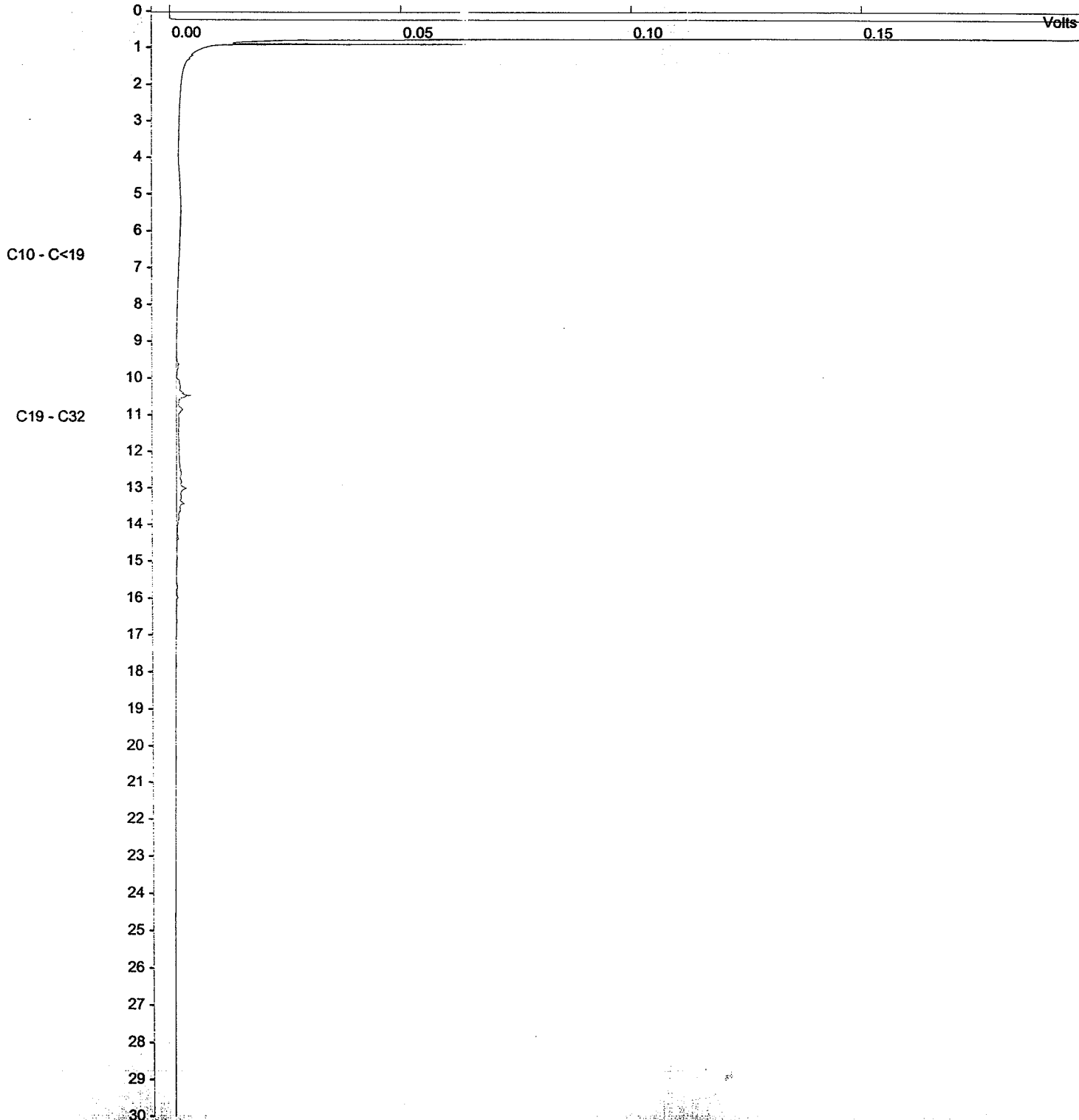
Sample Rate : 10.00 Hz

Channel : A = FID

Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 827 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



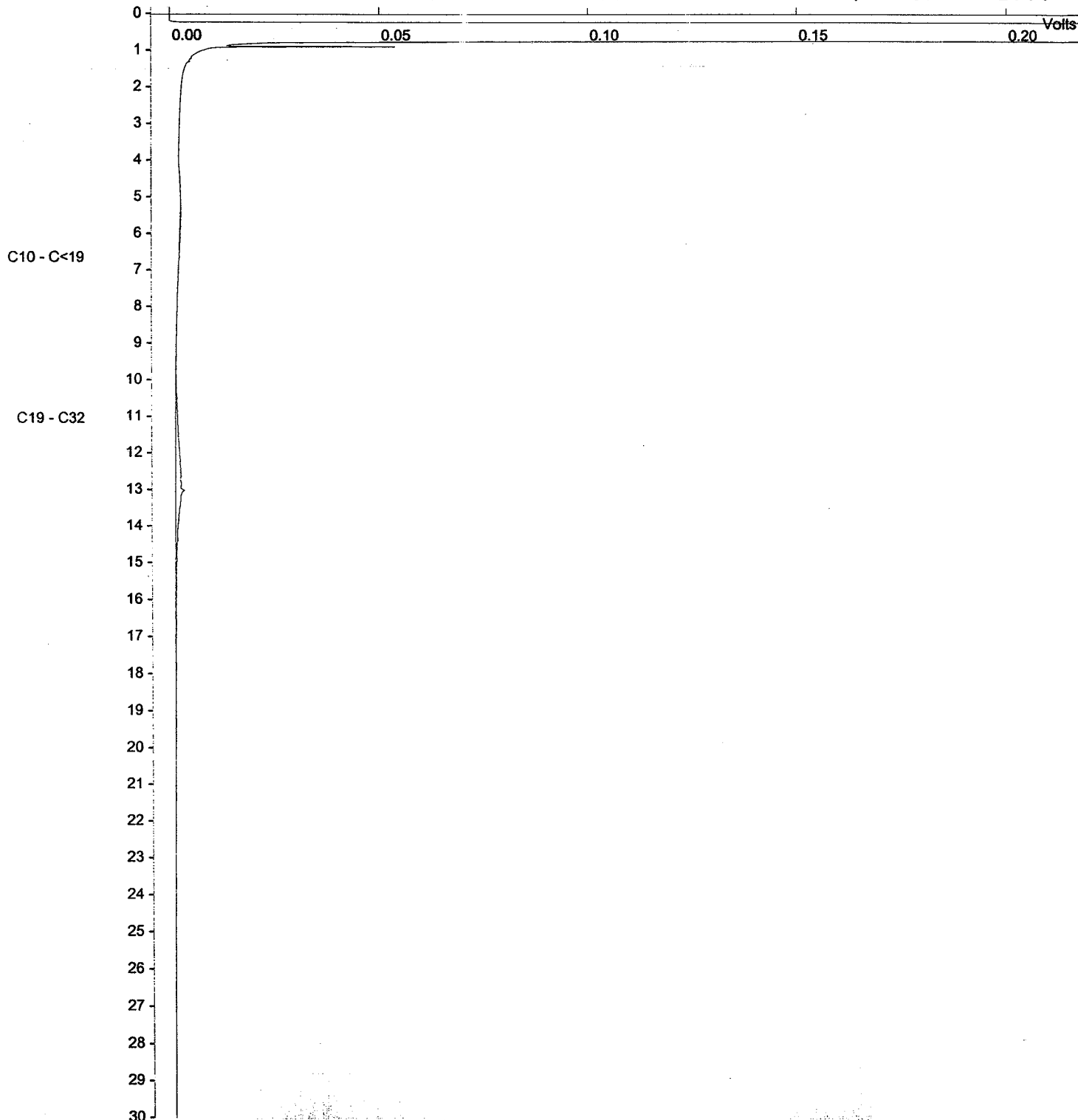
Run File : c:\star\data\kelvin_svh\5-19-02-7;38;57.am-3632.run
Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3632

Injection Date: 5/19/02 7:38 AM Calculation Date: 5/21/02 10:40 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 911 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



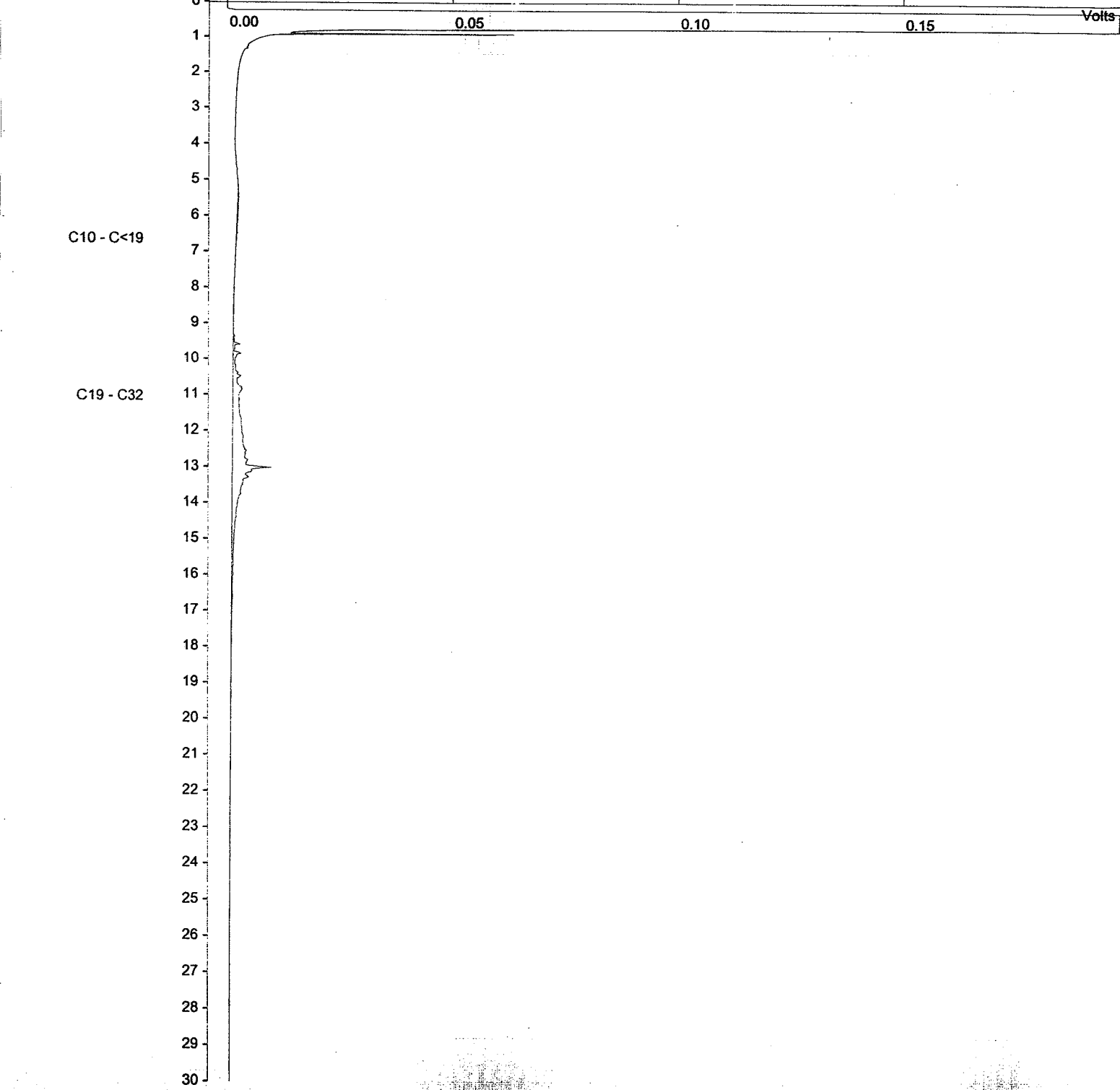
Run File : c:\star\data\kelvin svh\5-19-02-10:59:38 pm--3633.run
Method File : c:\star\tph-bc-eph-02-04-29.mth
Sample ID : 3633

Injection Date: 5/19/02 10:59 PM Calculation Date: 5/21/02 10:40 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 827 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



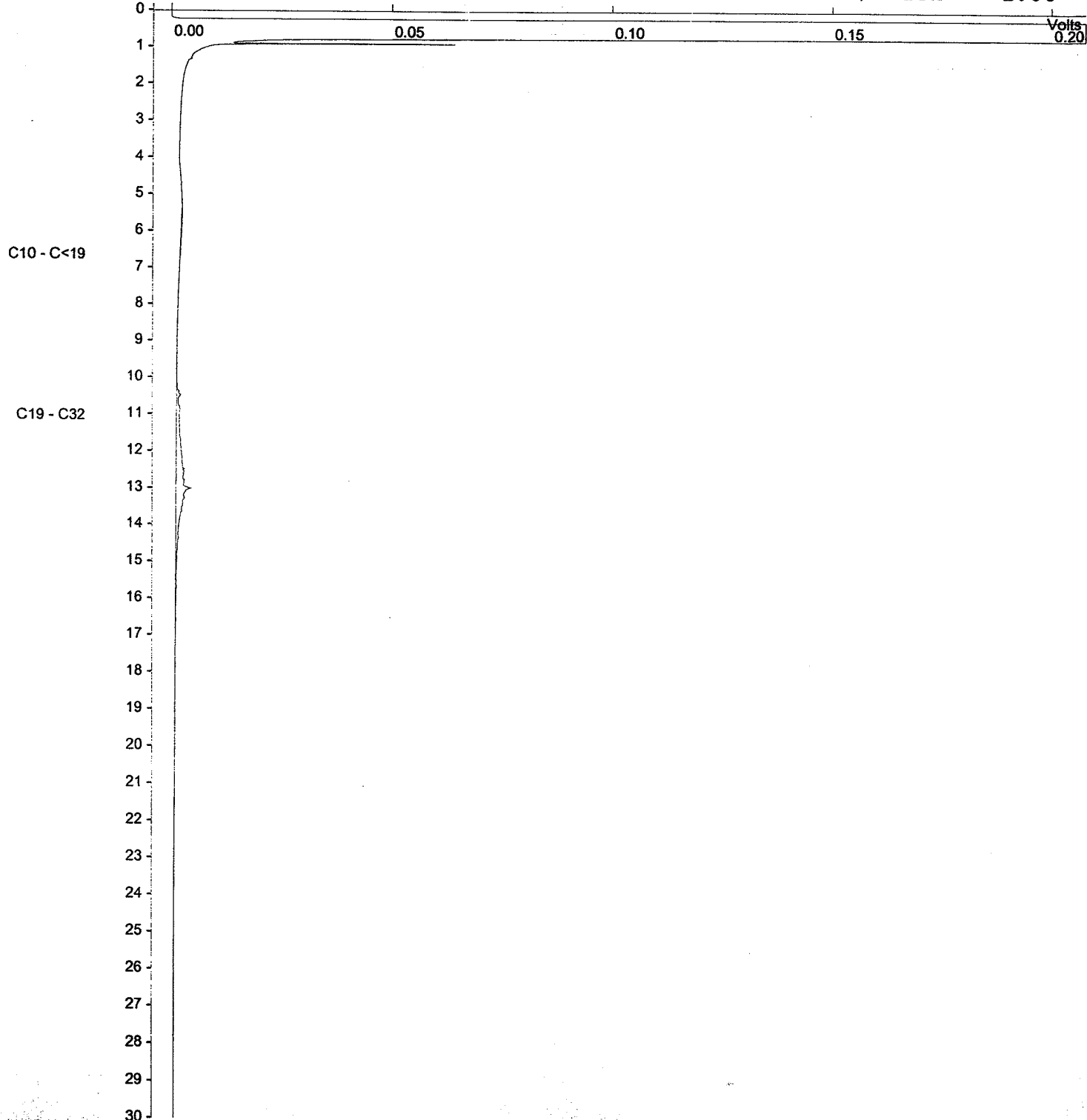
Run File : c:\star\data\kelvin sm\5-19-02-11:45:36 pm--3634.run
Method File : c:\star\tph-bc-eph-02-04-29.mth
Sample ID : 3634

Injection Date: 5/19/02 11:45 PM Calculation Date: 5/21/02 10:40 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 868 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



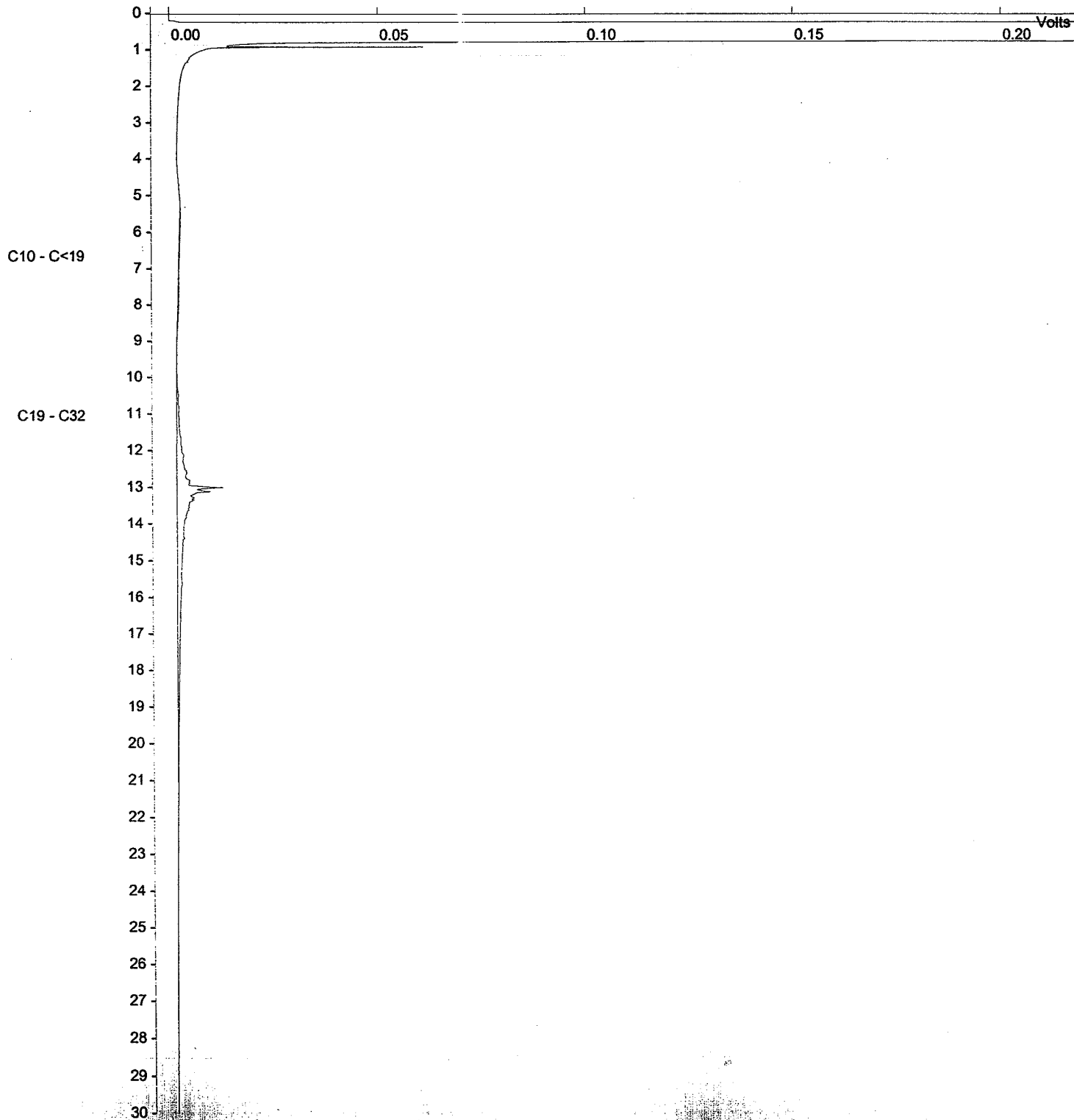
File : C:\Star\data\kelvin svh\5-20-02-12:31:21 am--3635.run
Run File : C:\Star\data\kelvin svh\5-20-02-12:31:21 am--3635.run
Method File : C:\Star\tph-bc-eph-02-04-29.mth
Sample ID : 3635

Injection Date: 5/20/02 12:31 AM Calculation Date: 5/21/02 10:40 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 911 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



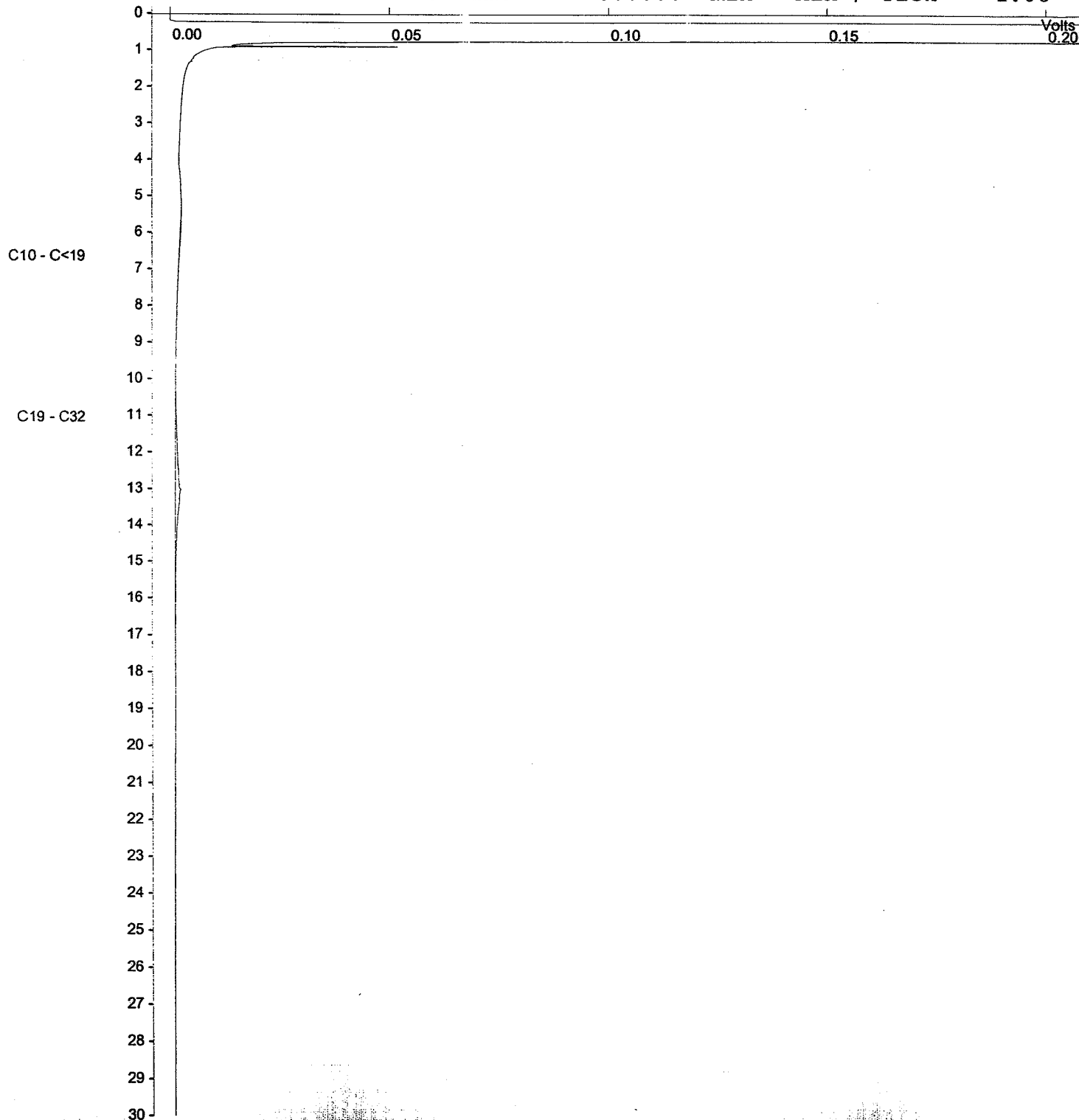
Run File : c:\star\data\kelvin.svh\5-20-02-2:03:22 am--3636.run
Method File : c:\star\lph-bc-eph-02-04-29.mth
Sample ID : 3636

Injection Date: 5/20/02 2:03 AM Calculation Date: 5/21/02 10:40 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 868 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



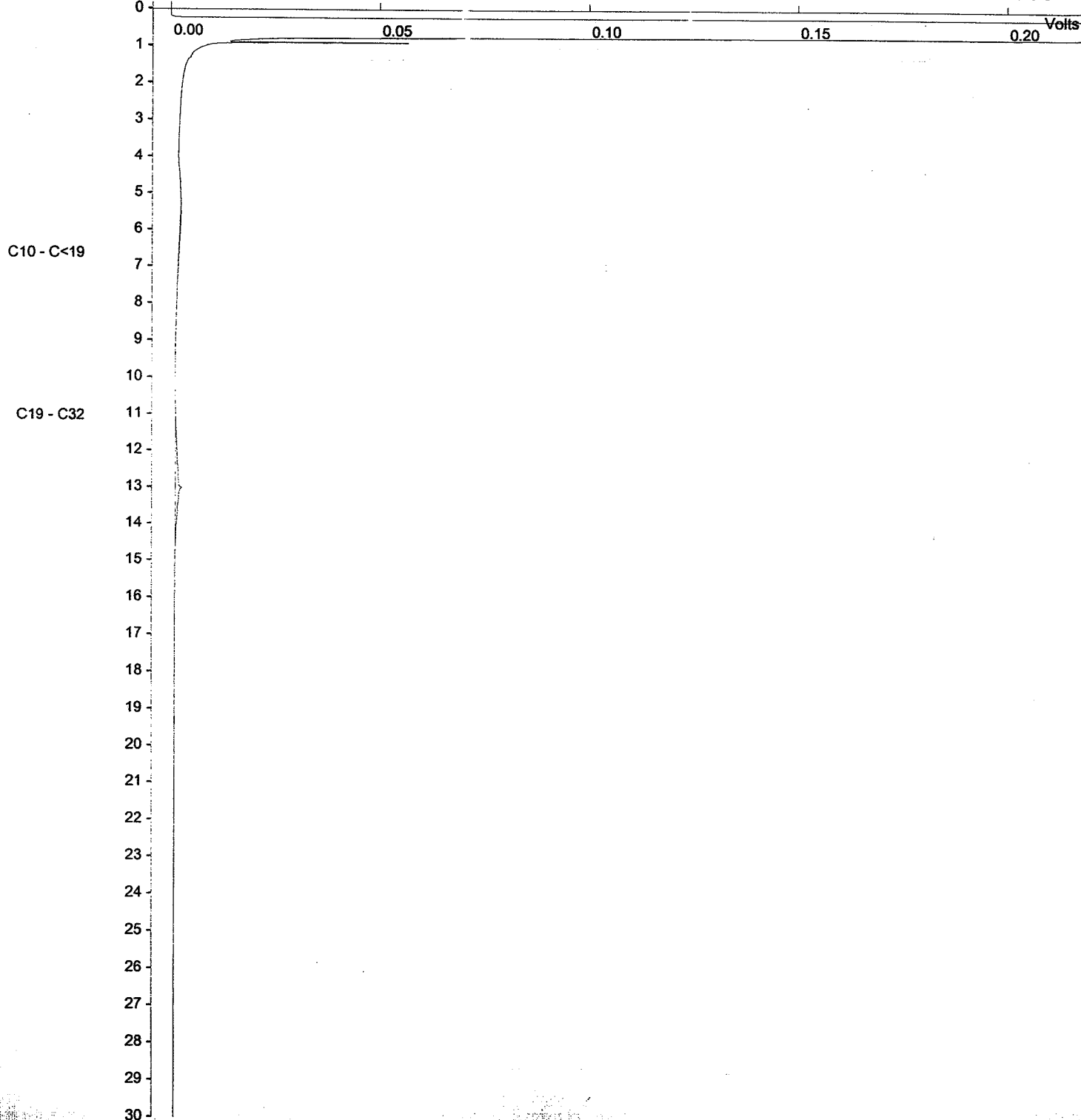
Run File : c:\star\data\kelvin\svh\5-20-02-2:49:01 am--3648.run
Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3648

Injection Date: 5/20/02 2:49 AM Calculation Date: 5/21/02 10:42 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 911 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



Run File : c:\star\data\kelvin_svh\5-20-02-3:34:48-am--3649.run

Method File : c:\star\tph-bc-eph-02-04-29.mth

Sample ID : 3649

Injection Date : 5/20/02 3:34 AM Calculation Date : 5/21/02 10:42 PM

Operator : Kelvin Lien

Detector Type : ADCB (1 Volt)

Workstation : TSH

Bus Address : 16

Instrument : Varian Star #1

Sample Rate : 10.00 Hz

Channel : A - FID

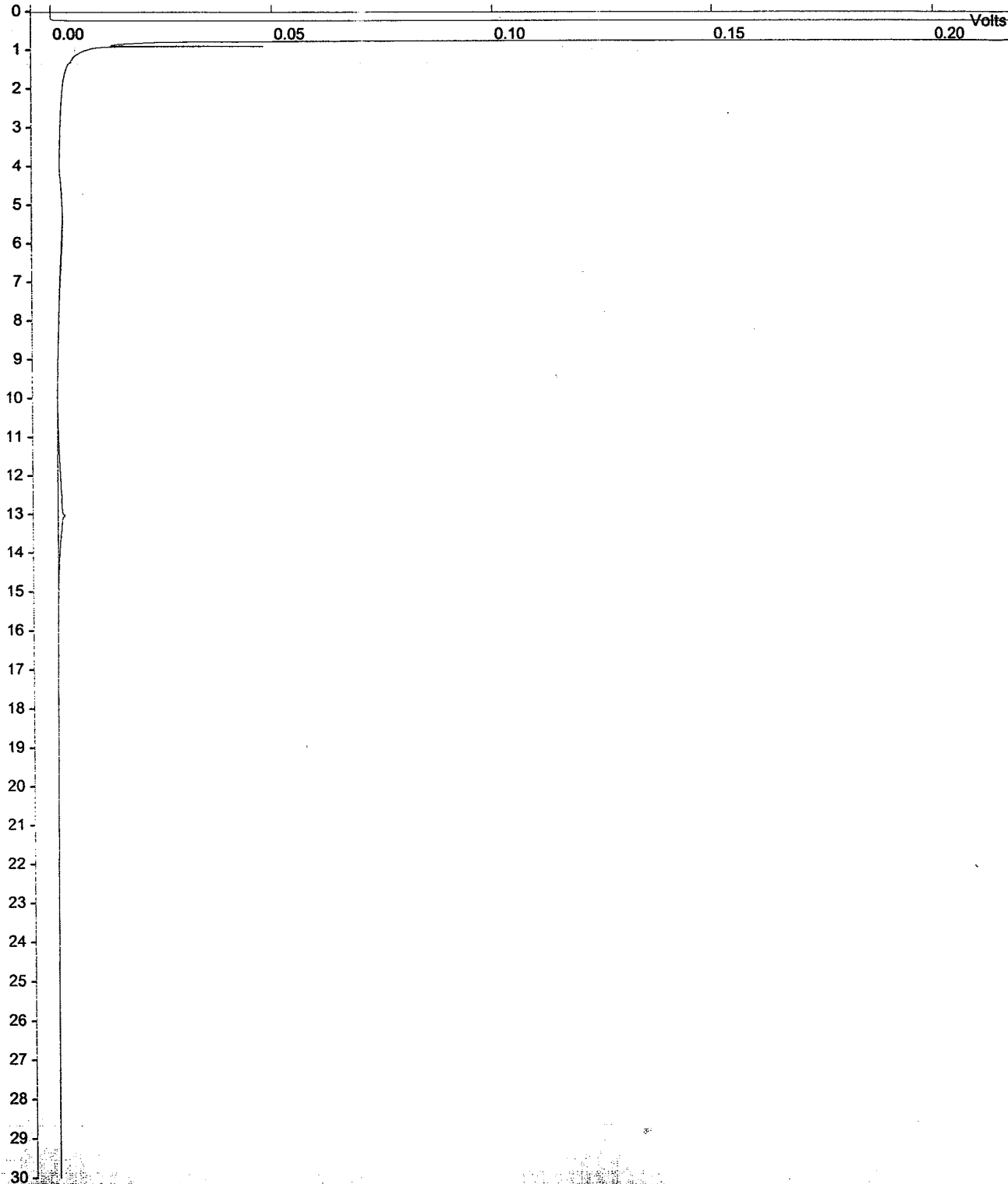
Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 911 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00

C10 - C<19

C19 - C32



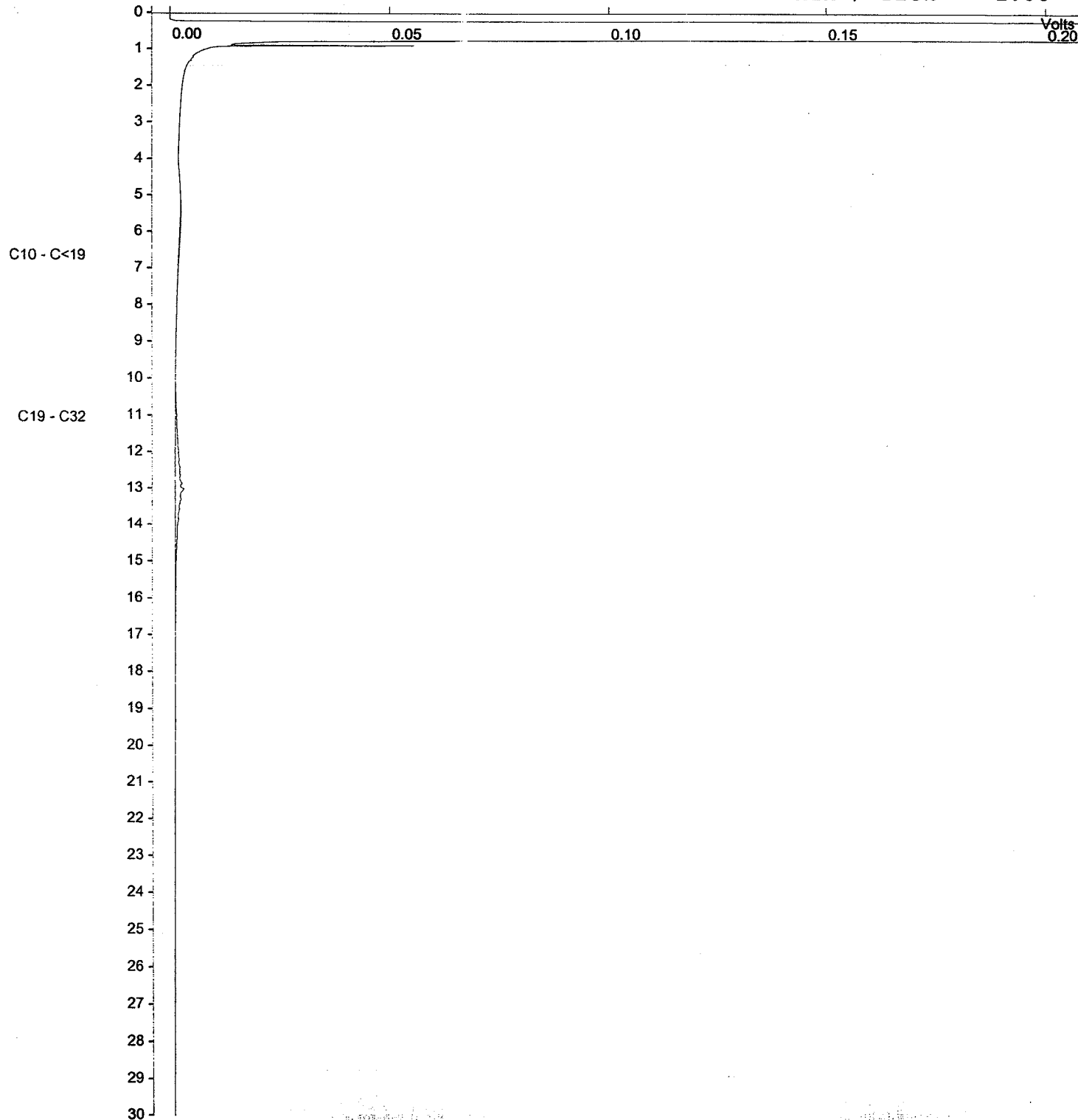
Run File : c:\star\data\kelvin_svh\5-20-02-4;20;19 am--3650.run
Method File : c:\star\tph-bc-eph-02-04-29.mth
Sample ID : 3650

Injection Date: 5/20/02 4:20 AM Calculation Date: 5/21/02 10:42 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 868 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



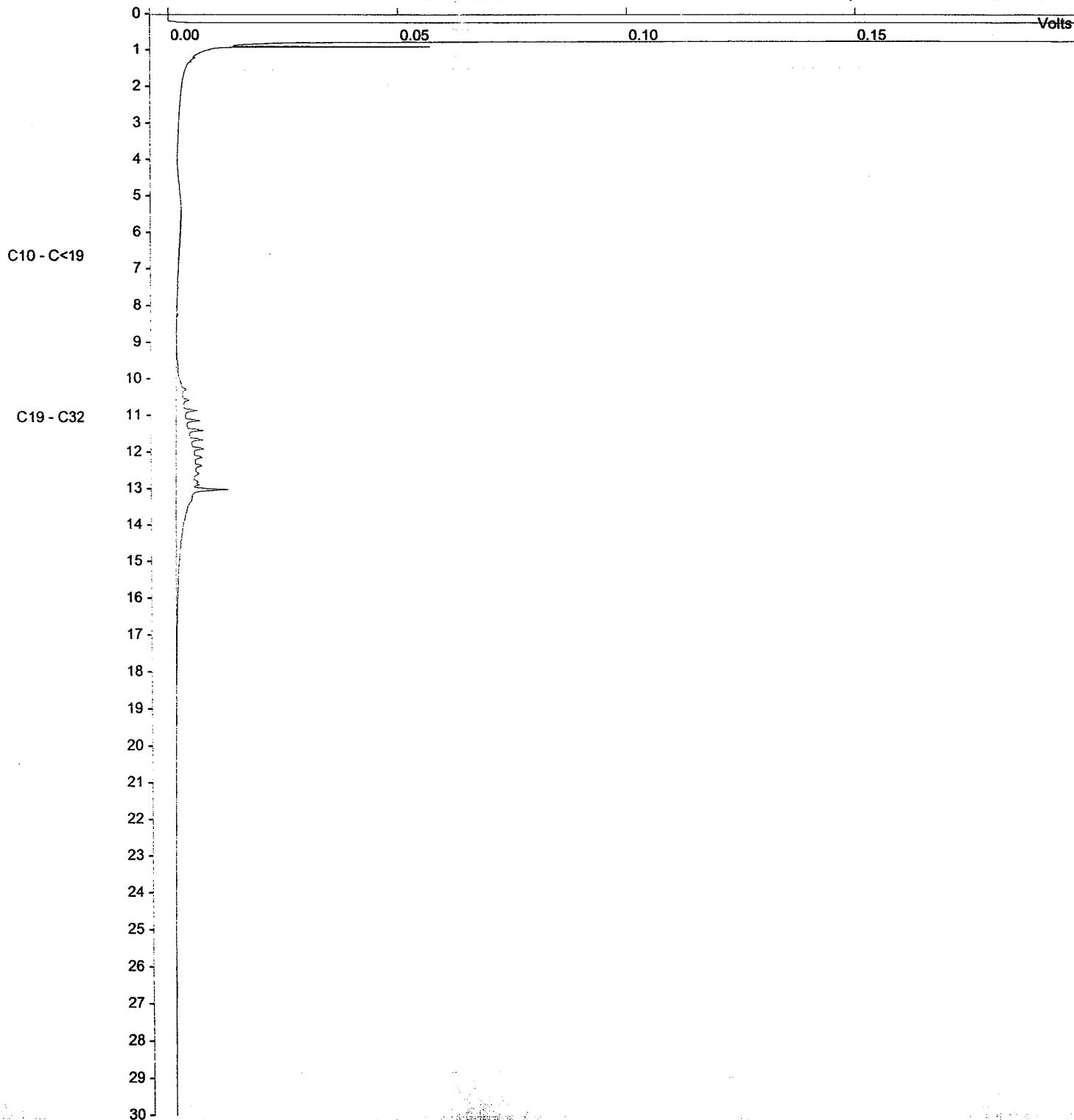
Run File : c:\star\data\kelvin\syn\5-20-02-5;05;54 am--3651.run
Method File : c:\star\tph-bc-eph-02-04-29.mth
Sample ID : 3651

Injection Date: 5/20/02 5:05 AM Calculation Date: 5/21/02 10:46 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 827 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



Run File : c:\star\data\kelvin svh\5-20-02-5:51:28 am--3652.run

Method File : c:\star\tph-bc-eph-02-04-29.mth

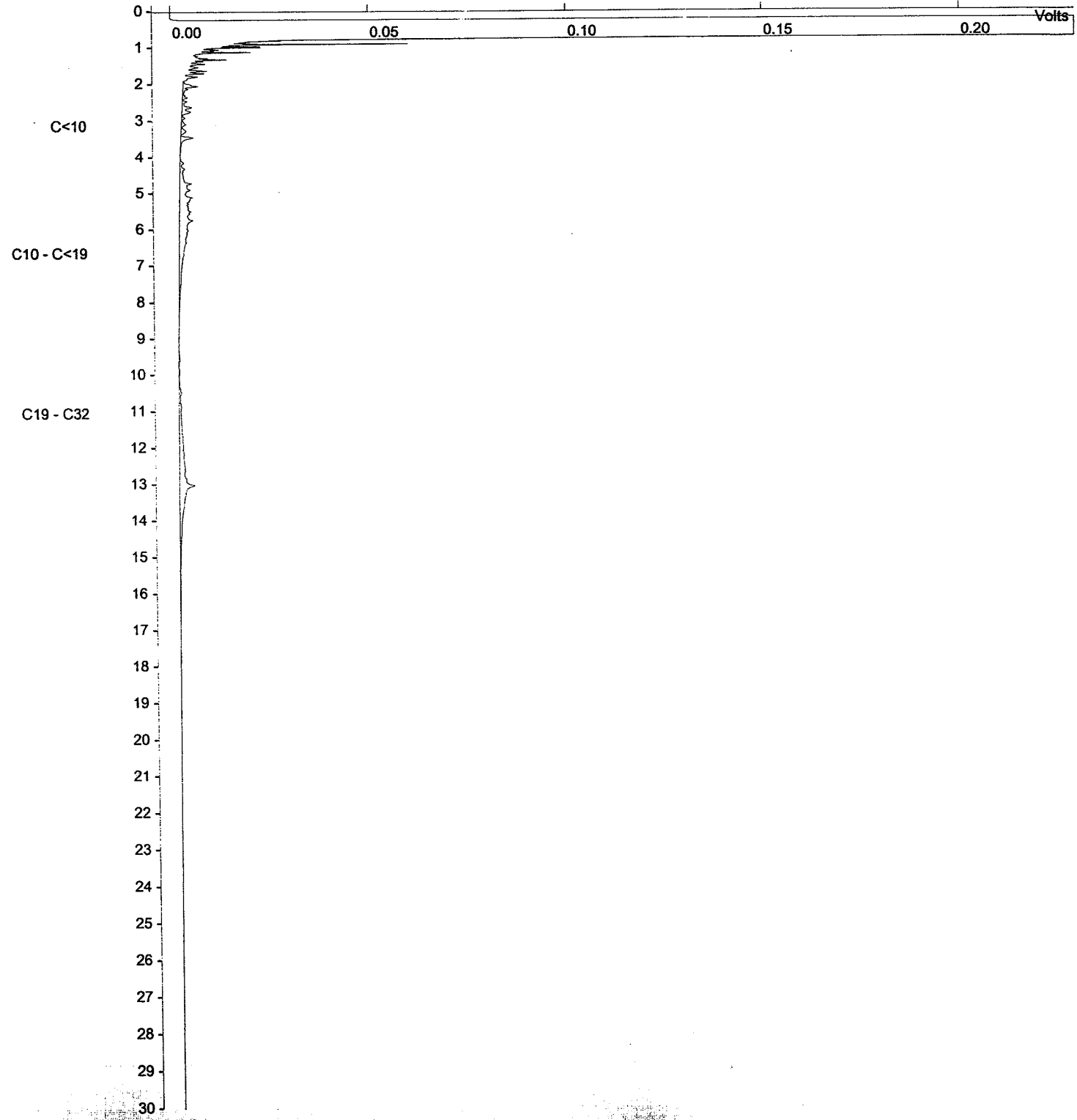
Sample ID : 3652

Injection Date: 5/20/02 5:51 AM Calculation Date: 5/21/02 10:45 PM

Operator : Kelvin Lien	Detector Type: ADCB (1 Volt)
Workstation: TSH	Bus Address : 16
Instrument : Varian Star #1	Sample Rate : 10.00 Hz
Channel : A = FID	Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min	Attenuation = 957	Zero Offset = 2%
Start Time = 0.000 min	End Time = 30.000 min	Min / Tick = 1.00



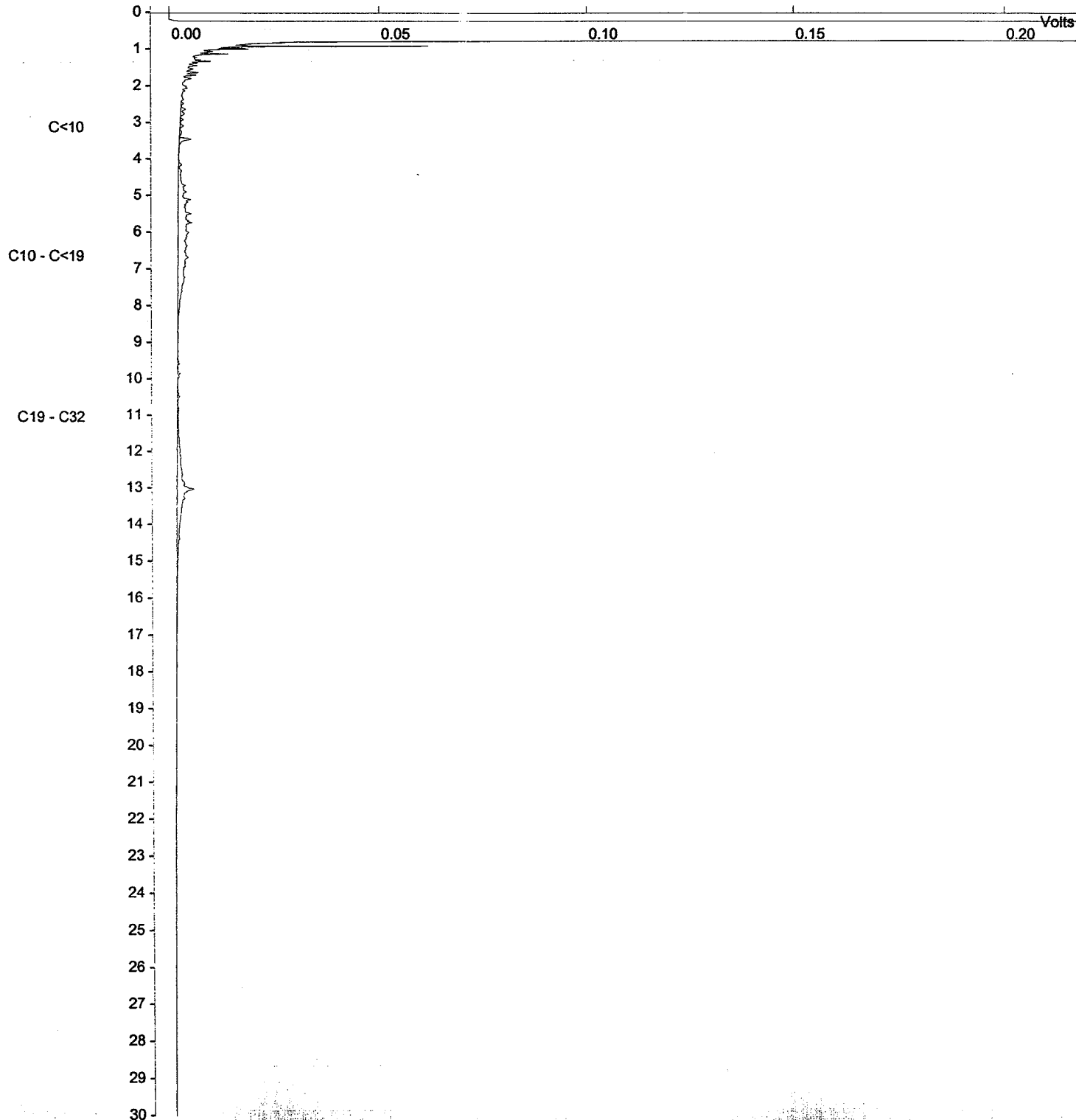
Run File : c:\star\data\kelvin svh\5-20-02-6;37;26 am--3653.run
Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3653

Injection Date: 5/20/02 6:37 AM Calculation Date: 5/21/02 10:45 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 911 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



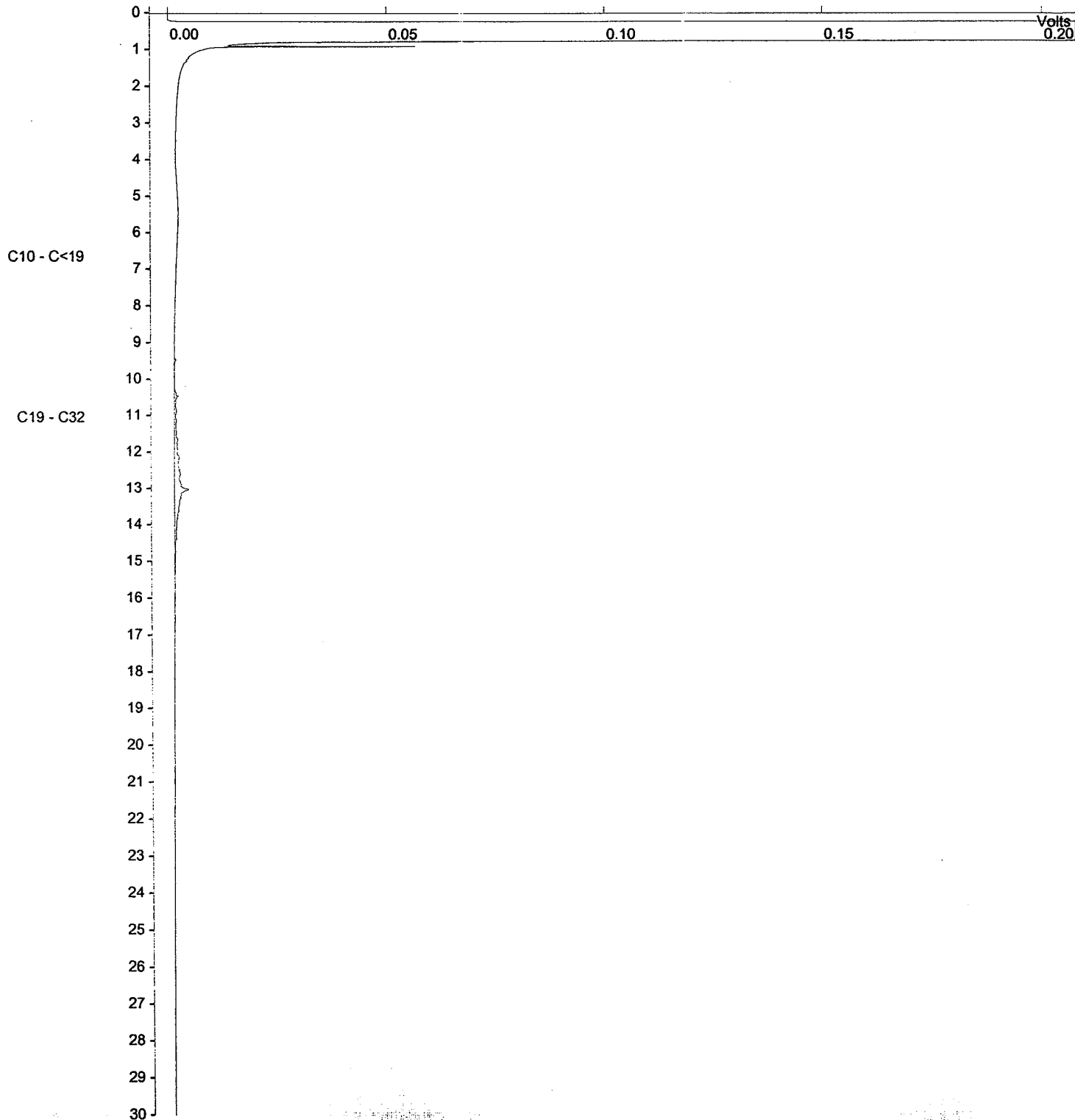
Run File : c:\star\data\kelvin\svh\5-20-02-7;23;51 am--3654.run
Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3654

Injection Date: 5/20/02 7:28 AM Calculation Date: 5/21/02 10:49 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 868 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 30/2002

Date Sampled: May 9/2002

Date of Report: June 6/2002

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43074

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Reference Method	Lab. No.	02-4056	02-4057
				Sample I.D.	TP02-07-06-5	BH02-07-02-
				Trifluorotoluene Recovery(%)	91	(7.5-10)
				MDL	ug/g (ppm) dry weight	
KL	2002/5/31	Benzene	EPA 5021/BCMWLAP	0.020	0.38	0.13
KL	2002/5/31	Toluene	EPA 5021/BCMWLAP	0.030	0.20	0.039
KL	2002/5/31	Ethylbenzene	EPA 5021/BCMWLAP	0.020	1.1	0.069
KL	2002/5/31	Xylenes	EPA 5021/BCMWLAP	0.030	4.5	1.1
KL	2002/5/31	VPH (C ₆ - C ₁₀)	VH-BTEX	1.5	7.3	6.9
KL	2002/5/31	Moisture	%		76.4	36.8

MDL: Method detection limit

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, Analytical Methods v2.1, 1999.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

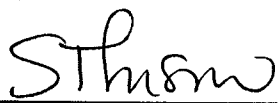
VPH - Volatile Petroleum Hydrocarbons (VH with BTEX subtracted)

VH- Volatile Hydrocarbons

NOTE: Sample holding time exceeded at time of arrival to laboratory.

Report reviewed by:


James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


for, Brenda Chomin
Manager
Laboratory Services

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 15/2002
Date Sampled: May 9, 10, 13, 14/2002
Date of Report: June 6/2002
Page 1 of 5

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/dd)	Parameters	Units	EPA Reference Method	MDL	Sample I.D. No.				
						02-3619	02-3620	02-3621	02-3622	02-3623
						TP02-07-01-3	TP02-07-02-2	TP02-07-03-3	TP02-07-04-3	TP02-07-05-2
ME	2002/5/17	Chloromethane	ug/g (ppm)	8260	0.070	<0.07	<0.07	<0.07	<0.07	<0.07
ME	2002/5/17	Vinyl Chloride	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/5/17	Bromomethane	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/5/17	Chloroethane	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	Trichlorofluoromethane	ug/g (ppm)	8260	0.080	<0.08	<0.08	<0.08	<0.08	<0.08
ME	2002/5/17	1,1 - Dichloroethene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Dichloromethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/17	Trans-1,2-dichloroethene	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	1,1-Dichloroethane	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	Cis-1,2-dichloroethene	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	Chloroform	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	1,1,1-Trichloroethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/17	Carbon tetrachloride	ug/g (ppm)	8260	0.015	<0.015	<0.015	<0.015	<0.015	<0.015
ME	2002/5/17	Benzene	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/5/17	1,2-Dichloroethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/17	Trichloroethene	ug/g (ppm)	8260	0.010	<0.01	<0.01	<0.01	<0.01	<0.01
ME	2002/5/17	1,2-Dichloropropane	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/5/17	Bromodichloromethane	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Cis-1,3-dichloropropene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Toluene	ug/g (ppm)	8260	0.010	<0.01	<0.01	<0.01	<0.01	<0.01
ME	2002/5/17	Trans-1,3-dichloropropene	ug/g (ppm)	8260	0.055	<0.055	<0.055	<0.055	<0.055	<0.055
ME	2002/5/17	1,1,2-Trichloroethane	ug/g (ppm)	8260	0.065	<0.065	<0.065	<0.065	<0.065	<0.065
ME	2002/5/17	Tetrachloroethene	ug/g (ppm)	8260	0.035	<0.035	<0.035	<0.035	<0.035	<0.035
ME	2002/5/17	Dibromochloromethane	ug/g (ppm)	8260	0.070	<0.07	<0.07	<0.07	<0.07	<0.07
ME	2002/5/17	Chlorobenzene	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	Ethylbenzene	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	M + P-xylene	ug/g (ppm)	8260	0.085	<0.085	<0.085	<0.085	<0.085	<0.085
ME	2002/5/17	O-xylene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Styrene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Bromoform	ug/g (ppm)	8260	0.150	<0.15	<0.15	<0.15	<0.15	<0.15
ME	2002/5/17	1,1,2,2-Tetrachloroethane	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	1,3-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/5/17	1,4-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/5/17	1,2-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
Surrogate Recovery										
ME	2002/5/17	Trifluorotoluene	%			113	98	101	76	98

MDL - Method Detection Limit

EPA - U.S. Environmental Protection Agency. 1986. Test Methods of Evaluation of Solid Waste 3rd Ed. Office of Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

AMEC Earth Environmental Limited has been certified by the Canadian Association for Environmental Analytical Laboratories (CAEAL) Inc. for specific tests registered with the Association.

**All samples will be disposed after 30 days following analysis. Please contact the lab if you require additional sample storage time. (Samples deemed hazardous will be returned to the client at their own expense or disposal will be arranged). **



ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 15/2002
Date Sampled: May 9, 10, 13, 14/2002
Date of Report: June 6/2002
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SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/dd)	Parameters	Units	EPA Reference Method	MDL	Sample ID No.				
						02-3624	02-3625	02-3625	02-3626	02-3627
						TP02-07-06-4	TP02-07-07-4	TP02-07-07-4 Lab duplicate	TP02-07-07-3	TP02-07-08-3
ME	2002/5/17	Chloromethane	ug/g (ppm)	8260	0.070	<0.07	<0.07	<0.07	<0.07	<0.07
ME	2002/5/17	Vinyl Chloride	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/5/17	Bromomethane	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/5/17	Chloroethane	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	Trichlorofluoromethane	ug/g (ppm)	8260	0.080	<0.08	<0.08	<0.08	<0.08	<0.08
ME	2002/5/17	1,1 - Dichloroethene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Dichloromethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/17	Trans-1,2-dichloroethene	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	1,1-Dichloroethane	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	Cis-1,2-dichloroethene	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	Chloroform	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	1,1,1-Trichloroethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/17	Carbon tetrachloride	ug/g (ppm)	8260	0.015	<0.015	<0.015	<0.015	<0.015	<0.015
ME	2002/5/17	Benzene	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/5/17	1,2-Dichloroethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/17	Trichloroethene	ug/g (ppm)	8260	0.010	<0.01	<0.01	<0.01	<0.01	<0.01
ME	2002/5/17	1,2-Dichloropropane	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/5/17	Bromodichloromethane	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Cis-1,3-dichloropropene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Toluene	ug/g (ppm)	8260	0.010	<0.01	<0.01	<0.01	<0.01	<0.01
ME	2002/5/17	Trans-1,3-dichloropropene	ug/g (ppm)	8260	0.055	<0.055	<0.055	<0.055	<0.055	<0.055
ME	2002/5/17	1,1,2-Trichloroethane	ug/g (ppm)	8260	0.065	<0.065	<0.065	<0.065	<0.065	<0.065
ME	2002/5/17	Tetrachloroethene	ug/g (ppm)	8260	0.035	<0.035	<0.035	<0.035	<0.035	<0.035
ME	2002/5/17	Dibromochloromethane	ug/g (ppm)	8260	0.070	<0.07	<0.07	<0.07	<0.07	<0.07
ME	2002/5/17	Chlorobenzene	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	Ethylbenzene	ug/g (ppm)	8260	0.040	0.85	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	M + P-xylene	ug/g (ppm)	8260	0.085	1.6	<0.085	<0.085	<0.085	<0.085
ME	2002/5/17	O-xylene	ug/g (ppm)	8260	0.045	0.82	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Styrene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Bromoform	ug/g (ppm)	8260	0.150	<0.15	<0.15	<0.15	<0.15	<0.15
ME	2002/5/17	1,1,2,2-Tetrachloroethane	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	1,3-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/5/17	1,4-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/5/17	1,2-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
Surrogate Recovery										
ME	2002/5/17	Trifluorotoluene	%			95	76	84	99	104

MDL - Method Detection Limit
EPA - U.S. Environmental Protection Agency, 1986. Test Methods of Evaluation of Solid Waste 3rd Ed. Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

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**All samples will be disposed after 30 days following analysis. Please contact the lab if you require additional sample storage time (Samples deemed hazardous will be returned to the client at their own expense or disposal will be arranged) **



ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 15/2002
Date Sampled: May 9, 10, 13, 14/2002
Date of Report: June 6/2002
Page 3 of 5

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/dd)	Parameters	Units	EPA Reference Method	MDL	Sample ID No.				
						02-3628	02-3629	02-3630	02-3631	02-3632
						TP02-07-09 3	TP02-08-01 1	TP02-08-02 2	TP02-08-03 2	TP02-08-04 3
ME	2002/5/17	Chloromethane	ug/g (ppm)	8260	0.070	<0.07	<0.07	<0.07	<0.07	<0.07
ME	2002/5/17	Vinyl Chloride	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/5/17	Bromomethane	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/5/17	Chloroethane	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	Trichlorofluoromethane	ug/g (ppm)	8260	0.080	<0.08	<0.08	<0.08	<0.08	<0.08
ME	2002/5/17	1,1 - Dichloroethene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Dichloromethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/17	Trans-1,2-dichloroethene	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	1,1-Dichloroethane	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	Cis-1,2-dichloroethene	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	Chloroform	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	1,1,1-Trichloroethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/17	Carbon tetrachloride	ug/g (ppm)	8260	0.015	<0.015	<0.015	<0.015	<0.015	<0.015
ME	2002/5/17	Benzene	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/5/17	1,2-Dichloroethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/17	Trichloroethene	ug/g (ppm)	8260	0.010	<0.01	<0.01	<0.01	<0.01	<0.01
ME	2002/5/17	1,2-Dichloropropane	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/5/17	Bromodichloromethane	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Cis-1,3-dichloropropene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Toluene	ug/g (ppm)	8260	0.010	<0.01	<0.01	<0.01	<0.01	<0.01
ME	2002/5/17	Trans-1,3-dichloropropene	ug/g (ppm)	8260	0.055	<0.055	<0.055	<0.055	<0.055	<0.055
ME	2002/5/17	1,1,2-Trichloroethane	ug/g (ppm)	8260	0.065	<0.065	<0.065	<0.065	<0.065	<0.065
ME	2002/5/17	Tetrachloroethene	ug/g (ppm)	8260	0.035	<0.035	<0.035	<0.035	<0.035	<0.035
ME	2002/5/17	Dibromochloromethane	ug/g (ppm)	8260	0.070	<0.07	<0.07	<0.07	<0.07	<0.07
ME	2002/5/17	Chlorobenzene	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	Ethylbenzene	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	M + P-xylene	ug/g (ppm)	8260	0.085	<0.085	<0.085	<0.085	<0.085	<0.085
ME	2002/5/17	O-xylene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Styrene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Bromoform	ug/g (ppm)	8260	0.150	<0.15	<0.15	<0.15	<0.15	<0.15
ME	2002/5/17	1,1,2,2-Tetrachloroethane	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	1,3-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/5/17	1,4-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/5/17	1,2-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
Surrogate Recovery										
ME	2002/5/17	Trifluorotoluene	%			82	92	94	103	72

MDL - Method Detection Limit
EPA - U.S. Environmental Protection Agency, 1986. Test Methods of Evaluation of Solid Waste 3rd Ed. Office
Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 15/2002
Date Sampled: May 9, 10, 13, 14/2002
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SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/dd)	Parameters	Units	EPA Reference Method	MDL	Sample ID No.				
						02-3633	02-3634	02-3634	02-3635	02-3635
						TP02-23-01 2	TP02-23-02 2	TP02-23-02 2 Field duplicate	TP02-23-03 2	TP02-23-03 2 Field duplicate
ME	2002/5/17	Chloromethane	ug/g (ppm)	8260	0.070	<0.07	<0.07	<0.07	<0.07	<0.07
ME	2002/5/17	Vinyl Chloride	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/5/17	Bromomethane	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/5/17	Chloroethane	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	Trichlorofluoromethane	ug/g (ppm)	8260	0.080	<0.08	<0.08	<0.08	<0.08	<0.08
ME	2002/5/17	1,1 - Dichloroethene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Dichloromethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/17	Trans-1,2-dichloroethene	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	1,1-Dichloroethane	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	Cis-1,2-dichloroethene	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	Chloroform	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	1,1,1-Trichloroethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/17	Carbon tetrachloride	ug/g (ppm)	8260	0.015	<0.015	<0.015	<0.015	<0.015	<0.015
ME	2002/5/17	Benzene	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/5/17	1,2-Dichloroethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/17	Trichloroethene	ug/g (ppm)	8260	0.010	<0.01	<0.01	<0.01	<0.01	<0.01
ME	2002/5/17	1,2-Dichloropropane	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/5/17	Bromodichloromethane	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Cis-1,3-dichloropropene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Toluene	ug/g (ppm)	8260	0.010	<0.01	<0.01	<0.01	<0.01	<0.01
ME	2002/5/17	Trans-1,3-dichloropropene	ug/g (ppm)	8260	0.055	<0.055	<0.055	<0.055	<0.055	<0.055
ME	2002/5/17	1,1,2-Trichloroethane	ug/g (ppm)	8260	0.065	<0.065	<0.065	<0.065	<0.065	<0.065
ME	2002/5/17	Tetrachloroethene	ug/g (ppm)	8260	0.035	<0.035	<0.035	<0.035	<0.035	<0.035
ME	2002/5/17	Dibromochloromethane	ug/g (ppm)	8260	0.070	<0.07	<0.07	<0.07	<0.07	<0.07
ME	2002/5/17	Chlorobenzene	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	Ethylbenzene	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	M + P-xylene	ug/g (ppm)	8260	0.085	<0.085	<0.085	<0.085	<0.085	<0.085
ME	2002/5/17	O-xylene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Styrene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Bromoform	ug/g (ppm)	8260	0.150	<0.15	<0.15	<0.15	<0.15	<0.15
ME	2002/5/17	1,1,2,2-Tetrachloroethane	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	1,3-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/5/17	1,4-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/5/17	1,2-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06	<0.06
Surrogate Recovery										
ME	2002/5/17	Trifluorotoluene	%			76	92	74	73	77

MDL - Method Detection Limit

EPA - U.S. Environmental Protection Agency, 1986. Test Methods of Evaluation of Solid Waste 3rd Ed. Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 15/2002
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SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Parameters	Units	EPA Reference Method	MDL	Sample I.D. No.			
						02-3636	02-3652	02-3653	02-3654
						TP02-23-04 3	BH02-07- 02-4	BH02-07- 02-9	BH02-07- 03-4
ME	2002/5/17	Chloromethane	ug/g (ppm)	8260	0.070	<0.07	<0.07	<0.07	<0.07
ME	2002/5/17	Vinyl Chloride	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06
ME	2002/5/17	Bromomethane	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/5/17	Chloroethane	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	Trichlorofluoromethane	ug/g (ppm)	8260	0.080	<0.08	<0.08	<0.08	<0.08
ME	2002/5/17	1,1 - Dichloroethene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Dichloromethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02
ME	2002/5/17	Trans-1,2-dichloroethene	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	1,1-Dichloroethane	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	Cis-1,2-dichloroethene	ug/g (ppm)	8260	0.030	<0.03	<0.03	<0.03	<0.03
ME	2002/5/17	Chloroform	ug/g (ppm)	8260	0.030	<0.03	0.32	0.15	<0.03
ME	2002/5/17	1,1,1-Trichloroethane	ug/g (ppm)	8260	0.020	<0.02	<0.020	<0.020	<0.02
ME	2002/5/17	Carbon tetrachloride	ug/g (ppm)	8260	0.015	<0.015	<0.015	<0.015	<0.015
ME	2002/5/17	Benzene	ug/g (ppm)	8260	0.025	<0.025	0.053	0.055	<0.025
ME	2002/5/17	1,2-Dichloroethane	ug/g (ppm)	8260	0.020	<0.02	<0.02	<0.02	<0.02
ME	2002/5/17	Trichloroethene	ug/g (ppm)	8260	0.010	<0.01	<0.01	<0.01	<0.01
ME	2002/5/17	1,2-Dichloropropane	ug/g (ppm)	8260	0.025	<0.025	<0.025	<0.025	<0.025
ME	2002/5/17	Bromodichloromethane	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Cis-1,3-dichloropropene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Toluene	ug/g (ppm)	8260	0.010	<0.01	0.013	0.014	<0.01
ME	2002/5/17	Trans-1,3-dichloropropene	ug/g (ppm)	8260	0.055	<0.055	<0.055	<0.055	<0.055
ME	2002/5/17	1,1,2-Trichloroethane	ug/g (ppm)	8260	0.065	<0.065	1.2	1.4	<0.065
ME	2002/5/17	Tetrachloroethene	ug/g (ppm)	8260	0.035	<0.035	<0.035	<0.035	<0.035
ME	2002/5/17	Dibromochloromethane	ug/g (ppm)	8260	0.070	<0.07	<0.07	<0.07	<0.07
ME	2002/5/17	Chlorobenzene	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	Ethylbenzene	ug/g (ppm)	8260	0.040	<0.04	0.30	0.14	<0.04
ME	2002/5/17	M+P-xylene	ug/g (ppm)	8260	0.085	<0.085	1.2	0.69	<0.085
ME	2002/5/17	O-xylene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Styrene	ug/g (ppm)	8260	0.045	<0.045	<0.045	<0.045	<0.045
ME	2002/5/17	Bromoform	ug/g (ppm)	8260	0.150	<0.15	<0.15	<0.15	<0.15
ME	2002/5/17	1,1,2,2-Tetrachloroethane	ug/g (ppm)	8260	0.040	<0.04	<0.04	<0.04	<0.04
ME	2002/5/17	1,3-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06
ME	2002/5/17	1,4-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06
ME	2002/5/17	1,2-Dichlorobenzene	ug/g (ppm)	8260	0.060	<0.06	<0.06	<0.06	<0.06
Surrogate Recovery									
ME	2002/5/17	Trifluorotoluene	%			85	83	98	78

MDL - Method Detection Limit

EPA - U.S. Environmental Protection Agency, 1986, Test Methods of Evaluation of Solid Waste 3rd Ed. Office
Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

Report reviewed by:

James LeBlanc
QA/QC Compliance
Laboratory Services

Brenda Chomin
Manager
Laboratory Services

AMEC Earth Environmental Limited has been certified by the Canadian Association for Environmental Analytical Laboratories (CAEAL) Inc. for specific tests registered with the Association.

**All samples will be disposed after 30 days following analysis. Please contact the lab if you require additional sample storage time. (Samples deemed hazardous will be returned to the client at their own expense or disposal will be arranged) **



ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 15/2002
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SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	EPA Reference Method	MDL	Sample 1.D				
						02-3610	02-3614	02-3615	02-3615	02-3616
						TP02-17-01-2	TP02-13-01-2	TP02-13-02-2	TP02-13-02-2 Lab duplicate	TP02-13-02-5
ME	2002/5/17	Acenaphthene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/17	Acenaphthylene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/17	Anthracene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/17	Benzo(a)anthracene	ug/g (ppm)	3550b/8270c	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ME	2002/5/17	Benzo(a)pyrene	ug/g (ppm)	3550b/8270c	0.05	<0.05	0.05	<0.05	<0.05	<0.05
ME	2002/5/17	Benzo(b+j+k)fluoranthene	ug/g (ppm)	3550b/8270c	0.1	<0.1	0.1	<0.1	<0.1	<0.1
ME	2002/5/17	Benzo(g,h,i)perylene	ug/g (ppm)	3550b/8270c	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ME	2002/5/17	Chrysene	ug/g (ppm)	3550b/8270c	0.05	<0.05	0.08	<0.05	<0.05	<0.05
ME	2002/5/17	Dibenzo(a,h)anthracene	ug/g (ppm)	3550b/8270c	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ME	2002/5/17	Fluoranthene	ug/g (ppm)	3550b/8270c	0.05	<0.05	0.11	<0.05	<0.05	<0.05
ME	2002/5/17	Fluorene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/17	Indeno(1,2,3-cd)pyrene	ug/g (ppm)	3550b/8270c	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ME	2002/5/17	Naphthalene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/17	Phenanthrene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/17	Pyrene	ug/g (ppm)	3550b/8270c	0.05	<0.05	0.12	<0.05	<0.05	<0.05
Surrogate Compound		Units								
ME	2002/5/17	2-fluorobiphenyl	%			80	78	87	87	77
ME	2002/5/17	Terphenyl d-14	%			106	96	113	113	107

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.
Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

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AMEC Earth & Environmental Limited
Burnaby, British Columbia

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SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	EPA Reference Method	MDL	Sample I.D.				
						02-3617	02-3618	02-3625	02-3625	02-3626
						TP02-13-03-2	TP02-13-04-2	TP02-07-07-4	TP02-07-07-4 Lab duplicate	TP02-07-07-3
ME	2002/5/17	Acenaphthene	ug/g (ppm)	EPA 8270	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/17	Acenaphthylene	ug/g (ppm)	EPA 8270	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/17	Anthracene	ug/g (ppm)	EPA 8270	0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/17	Benzo(a)anthracene	ug/g (ppm)	EPA 8270	0.1	<0.1	<0.1	<0.1	<0.1	0.26
ME	2002/5/17	Benzo(a)pyrene	ug/g (ppm)	EPA 8270	0.05	<0.05	<0.05	0.06	<0.05	0.29
ME	2002/5/17	Benzo(b+j+k)fluoranthene	ug/g (ppm)	EPA 8270	0.1	<0.1	<0.1	0.10	<0.1	<0.1
ME	2002/5/17	Benzo(g,h,i)perylene	ug/g (ppm)	EPA 8270	0.1	<0.1	<0.1	<0.1	<0.1	0.1
ME	2002/5/17	Chrysene	ug/g (ppm)	EPA 8270	0.05	<0.05	<0.05	0.07	0.07	0.44
ME	2002/5/17	Dibenzo(a,h)anthracene	ug/g (ppm)	EPA 8270	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ME	2002/5/17	Fluoranthene	ug/g (ppm)	EPA 8270	0.05	0.06	<0.05	0.12	0.11	0.97
ME	2002/5/17	Fluorene	ug/g (ppm)	EPA 8270	0.05	<0.05	<0.05	<0.05	<0.05	0.12
ME	2002/5/17	Indeno(1,2,3-cd)pyrene	ug/g (ppm)	EPA 8270	0.1	<0.1	<0.1	<0.1	<0.1	0.1
ME	2002/5/17	Naphthalene	ug/g (ppm)	EPA 8270	0.05	<0.05	<0.05	<0.05	<0.05	0.29
ME	2002/5/17	Phenanthrene	ug/g (ppm)	EPA 8270	0.05	<0.05	<0.05	0.08	0.09	1.6
ME	2002/5/17	Pyrene	ug/g (ppm)	EPA 8270	0.05	0.06	<0.05	0.12	0.12	1.0
Surrogate Compound		Units	EPA Limits							
ME	2002/5/17	2-fluorobiphenyl	%	30-115		76	76	76	79	83
ME	2002/5/17	Terphenyl d-14	%	18-137		113	89	106	118	109

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.
Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

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Attention: Chad Taylor

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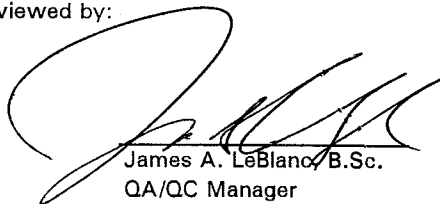
Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	EPA Reference Method	MDL	Sample I.D.					
						02-3630	02-3635	02-3635	02-3651	02-3652	02-3653
						TP02-08-02-2	TP02-23-03-2	TP02-23-03-2 Field duplicate	TP02-10-04-1	BH02-07-02-4	BH02-07-02-9
ME	2002/5/17	Acenaphthene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05	0.06	0.11
ME	2002/5/17	Acenaphthylene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/17	Anthracene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05	0.13	0.25
ME	2002/5/17	Benzo(a)anthracene	ug/g (ppm)	3550b/8270c	0.1	<0.1	<0.1	<0.1	<0.1	0.2	0.3
ME	2002/5/17	Benzo(a)pyrene	ug/g (ppm)	3550b/8270c	0.05	<0.05	0.05	<0.05	0.06	0.10	0.22
ME	2002/5/17	Benzo(b+j+k)fluoranthene	ug/g (ppm)	3550b/8270c	0.1	<0.1	0.1	<0.1	0.2	0.2	0.4
ME	2002/5/17	Benzo(g,h,i)perylene	ug/g (ppm)	3550b/8270c	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1
ME	2002/5/17	Chrysene	ug/g (ppm)	3550b/8270c	0.05	<0.05	0.08	<0.05	0.13	0.17	0.30
ME	2002/5/17	Dibenzo(a,h)anthracene	ug/g (ppm)	3550b/8270c	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
ME	2002/5/17	Fluoranthene	ug/g (ppm)	3550b/8270c	0.05	<0.05	0.10	<0.05	0.15	0.34	0.67
ME	2002/5/17	Fluorene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05	0.15	0.29
ME	2002/5/17	Indeno(1,2,3-cd)pyrene	ug/g (ppm)	3550b/8270c	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	0.1
ME	2002/5/17	Naphthalene	ug/g (ppm)	3550b/8270c	0.05	<0.05	<0.05	<0.05	<0.05	<0.05	0.58
ME	2002/5/17	Phenanthrene	ug/g (ppm)	3550b/8270c	0.05	<0.05	0.05	<0.05	0.13	0.61	1.2
ME	2002/5/17	Pyrene	ug/g (ppm)	3550b/8270c	0.05	<0.05	0.10	<0.05	0.16	0.34	0.65
Surrogate Compound		Units									
ME	2002/5/17	2-fluorobiphenyl	%			84	88	76	100	104	101
ME	2002/5/17	Terphenyl d-14	%			104	108	89	115	119	111

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

Report reviewed by:


James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


for Brenda Chomin
Manager
Laboratory Services

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ANALYTICAL REPORT

QUALITY CONTROL STANDARD

Attention: Chad Taylor

Project No.: VE51267

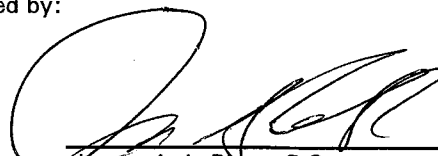
File No.: EC43000

Analyst	Date of Analysis (yyyy/m/d)	Analytical Parameters	Units	EPA Reference Method	MDL	Analyzed Value	Advisory Range	Target Value	Lot #
ME	2002/5/17	Acenaphthene	ug/g (ppm)	3550b/8270c	0.05	5.56	2.15-7.67	7.24	ERA 363
ME	2002/5/17	Acenaphthylene	ug/g (ppm)	3550b/8270c	0.05	1.23	0.69-3.50	3.33	ERA 363
ME	2002/5/17	Anthracene	ug/g (ppm)	3550b/8270c	0.05	0.47	0.37-1.21	1.15	ERA 363
ME	2002/5/17	Benzo(a)anthracene	ug/g (ppm)	3550b/8270c	0.1	5.30	2.92-7.52	6.89	ERA 363
ME	2002/5/17	Benzo(a)pyrene	ug/g (ppm)	3550b/8270c	0.05	0.18	0.05-0.29	0.21	ERA 364
ME	2002/5/17	Benzo(b+j+k)fluoranthene	ug/g (ppm)	3550b/8270c	0.1	0.73	0.43-1.44	1.16	ERA 363
ME	2002/5/17	Benzo(g,h,i)perylene	ug/g (ppm)	3550b/8270c	0.1	0.34	0.14-0.52	0.40	ERA 364
ME	2002/5/17	Chrysene	ug/g (ppm)	3550b/8270c	0.05	3.16	1.52-4.60	3.70	ERA 363
ME	2002/5/17	Fluoranthene	ug/g (ppm)	3550b/8270c	0.05	2.16	1.08-3.06	2.56	ERA 363
ME	2002/5/17	Fluorene	ug/g (ppm)	3550b/8270c	0.05	4.68	1.94-6.46	5.83	ERA 363
ME	2002/5/17	Naphthalene	ug/g (ppm)	3550b/8270c	0.05	4.83	1.64-6.92	6.59	ERA 363
ME	2002/5/17	Phenanthrene	ug/g (ppm)	3550b/8270c	0.05	1.24	0.67-1.69	1.43	ERA 363
ME	2002/5/17	Pyrene	ug/g (ppm)	3550b/8270c	0.05	1.83	0.876-2.74	2.18	ERA 363

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency, 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.
Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

Report reviewed by:


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Laboratory Services


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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 15/2002
Date Sampled: May 9, 10, 13, 14/2002
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SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Parameters	EPA Method	MDL	Units	Sample I.D. No.				
						02-3629	02-3630	02-3631	02-3632	02-3633
						TP02-08-01-1	TP02-08-02-2	TP02-08-03-2	TP02-08-04-3	TP02-23-01-2
ME	2002/5/21	PCB	3550/8082	0.2	µg/g (ppm)	<0.2	<0.2	<0.2	<0.2	<0.2
ME	2002/5/21	Moisture	--	--	%	6.1	25.7	25.2	12.6	26.9
Surrogate Recovery										
Decachlorobiphenyl			--	--	%	108	134	147	139	126
Tetrachloro-m-xylene			--	--	%	103	104	144	124	109

MDL - Method Detection Limit

EPA - U.S. Environmental Protection Agency. 1986. Test Methods of Evaluation of Solid Waste 3rd Ed. Office

Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

PCB: Polychlorinated biphenyl

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

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SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Parameters	EPA Method	MDL	Units	Sample I.D. No.				
						02-3634	02-3634	02-3635	02-3635	02-3636
						TP02-23-02-2	TP02-23-02-2 Field duplicate	TP02-23-03-2	TP02-23-03-2 Field duplicate	TP02-23-04-3
ME	2002/5/21	PCB	3550/8082	0.2	µg/g (ppm)	<0.2	<0.2	<0.2	<0.2	<0.2
ME	2002/5/21	Moisture	--	--	%	26.9	25.9	19.4	26.7	9.1
Surrogate Recovery										
Decachlorobiphenyl			--	--	%	115	132	138	143	135
Tetrachloro-m-xylene			--	--	%	117	125	126	141	134

MDL - Method Detection Limit

EPA - U.S. Environmental Protection Agency. 1986. Test Methods of Evaluation of Solid Waste 3rd Ed. Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

PCB: Polychlorinated biphenyl

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SOIL ANALYSIS

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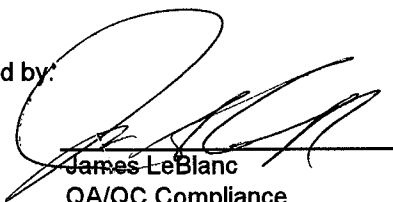
Analyst	Date of Analysis (yyyy/mm/d)	Parameters	EPA Method	MDL	Units	Sample I.D. No.				
						02-3648	02-3649	02-3650	02-3651	02-3651
						TP02-10-01 1	TP02-10-02 1	TP02-10-03-1	TP02-10-03 1 Lab duplicate	TP02-10-04-1
ME	2002/5/21	PCB	3550/8082	0.2	µg/g (ppm)	<0.2	<0.2	<0.2	<0.2	0.4
ME	2002/5/21	Moisture	--	--	%	7.2	5.0	7.7	6.8	6.6
Surrogate Recovery										
Decachlorobiphenyl			--	--	%	141	143	137	147	165
Tetrachloro-m-xylene			--	--	%	132	135	118	133	126


MDL - Method Detection Limit

EPA - U.S. Environmental Protection Agency. 1986. Test Methods of Evaluation of Solid Waste 3rd Ed. Office
Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

PCB: Polychlorinated biphenyl

Report reviewed by:


James LeBlanc
QA/QC Compliance
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Brenda Chomin
Manager
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ANALYTICAL REPORT

QUALITY CONTROL STANDARD

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File No.: EC43000

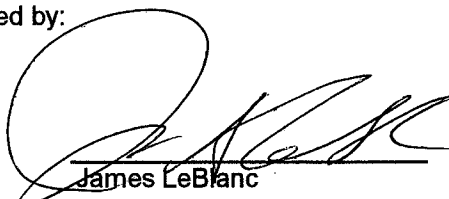
Analyst	Date of Analysis (yyyy/m/d)	Analytical Parameters	Units	EPA Reference Method	MDL	Analyzed Value	Advisory Range	Certified Value	Reference lot no.
ME	2002/5/21	PCB's in Soil	ug/g (ppm)	3550/8082	0.2	62.4	15 - 64	46.7	ERA9501

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.
Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

PCB: Polychlorinated biphenyl

Report reviewed by:


James LeBlanc
QA/QC Compliance
Laboratory Services


for, Brenda Chomin
Manager
Laboratory Services

ANALYTICAL REPORT

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Burnaby, British Columbia

Date Received: May 15/2002
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SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analytical Parameters		LD
Analyst		2002/5/23
Date of Analysis (yyyy/mm/d)		pH (1:1 H ₂ O)
Analytical Parameters		McKeague 4.12
Reference Method		
MDL		
Units		
Sample #	Sample Description	
02-3610	TP02-17-01-2	7.61
02-3611*	TP02-17-02-3 ** (1:2 H ₂ O)	5.25
02-3612	TP02-17-03-2	5.95
02-3613	TP02-17-04-2	6.68
02-3614	TP02-13-01-2	7.56
02-3615	TP02-13-02-2	7.03
02-3617	TP02-13-03-2	6.37
02-3617	TP02-13-03-2 Lab duplicate	6.36
02-3618	TP02-13-04-2	6.87
02-3619	TP02-07-01-3	7.48
02-3620	TP02-07-02-2	7.22
02-3621	TP02-07-03-3	7.81
02-3622	TP02-07-04-3	7.52
02-3623	TP02-07-05-2	7.56
02-3624*	TP02-07-06-4 ** (1:3 H ₂ O)	5.71
02-3625	TP02-07-07-4	7.47
02-3626	TP02-07-07-3	7.67
02-3627	TP02-07-08-3	6.14
02-3628*	TP02-07-09-3 ** (1:3 H ₂ O)	5.93
02-3629	TP02-08-01-1	7.11
02-3630*	TP02-08-02-2 ** (1:3 H ₂ O)	9.25
02-3631	TP02-08-03-2	6.18
02-3632	TP02-08-04-3	6.28
02-3633	TP02-23-01-2	6.08
02-3633	TP02-23-01-2 Lab duplicate	6.06

MDL: Method Detection Limit

McKeague: Manual on Soil Sampling and Methods of Analyses. Can. Soc. Soil Sci. Ottawa.

** Note: Due to the nature to the samples 02-3611, 02-3624, 02-3628, 02-3630, & 02-3644 a larger water to soil ratio was required

ANALYTICAL REPORT

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SOIL ANALYSIS

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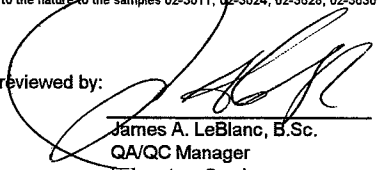
Analyst		LD
Date of Analysis (yyyy/mm/d)		2002/5/23
Analytical Parameters		pH (1:1 H ₂ O)
Reference Method		McKeague 4.12
MDL		
Units		
Sample #	Sample Description	
02-3634	TP02-23-02-2	5.54
02-3635	TP02-23-03-2	6.35
02-3636	TP02-23-04-3	6.49
02-3637	TP02-23-04-5	6.60
02-3638	TP02-11-01-2	5.22
02-3639	TP02-11-01-5	6.72
02-3640	TP02-11-02-1	6.74
02-3641	TP02-12-01-2	5.85
02-3642	TP02-12-02-1	7.36
02-3643	TP02-12-03-2	6.20
02-3644*	TP02-12-04-3 ** (1:3 H ₂ O)	4.47
02-3645	TP02-12-05-1	8.10
02-3646	TP02-12-05-4	8.32
02-3647	TP02-12-06-2	6.68
02-3647	TP02-12-06-2 Lab duplicate	6.75
02-3648	TP02-10-01-1	6.13
02-3649	TP02-10-02-1	6.17
02-3650	TP02-10-03-1	6.39
02-3651	TP02-10-04-1	6.77
02-3652	BH02-07-02-4	7.18
02-3653	BH02-07-02-9	7.65
02-3655	BH02-G-01-2	6.95
02-3656	BH02-G-02-1	6.27
02-3657	BH02-G-03-1	5.93

MDL: Method Detection Limit

McKeague: Manual on Soil Sampling and Methods of Analyses. Can. Soc. Soil Sci. Ottawa.

** Note: Due to the nature of the samples 02-3611, 02-3624, 02-3628, 02-3630, & 02-3644 a larger water to soil ratio was required

Report reviewed by:


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Laboratory Services


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QUALITY CONTROL STANDARD

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Project No.: VE51267

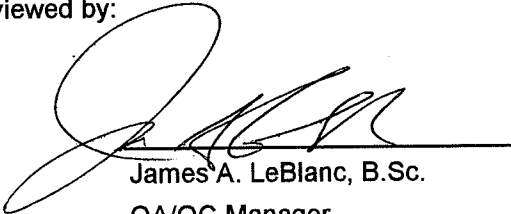
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Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	Analyzed Value	Advisory Range	Target Value	Reference No.
LD	2002/5/23	pH (1:1 H ₂ O)		McKeague 4.12		7.60	7.41-8.08	7.74	SS#8

MDL: Method Detection Limit

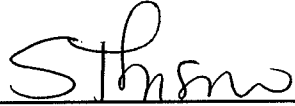
McKeague: Manual on Soil Sampling and Methods of Analyses. Can. Soc. Soil Sci. Ottawa.

Report reviewed by:


James A. LeBlanc, B.Sc.

QA/QC Manager

Laboratory Services


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Manager

Laboratory Services

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

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Page 1 of 10

SOIL ANALYSIS - ICP METALS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	Sample I.D.				
						02-3610	02-3611	02-3612	02-3613	02-3614
						TP02-17-01-2	TP02-17-02-3	TP02-17-03-2	TP02-17-04-2	TP02-13-01-2
AD	2002/5/23	Antimony	ug/g (ppm)	BCMWLAP/EPA6010	0.5	0.6	<0.5	0.9	0.8	0.8
AD	2002/5/23	Arsenic	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.5	1.4	1.5	2.3	2.1
AD	2002/5/23	Barium	ug/g (ppm)	BCMWLAP/EPA6010	1	31	37	45	46	47
AD	2002/5/23	Beryllium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	0.1	<0.1	<0.1	0.1
AD	2002/5/23	Cadmium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	0.1	<0.1	0.2	0.2	<0.1
AD	2002/5/23	Chromium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	9.3	3.3	11.1	12.0	14.4
AD	2002/5/23	Cobalt	ug/g (ppm)	BCMWLAP/EPA6010	0.5	4.4	2.5	5.9	5.8	7.4
AD	2002/5/23	Copper	ug/g (ppm)	BCMWLAP/EPA6010	0.1	16.0	9.4	22.4	21.0	16.5
AD	2002/5/23	Lead	ug/g (ppm)	BCMWLAP/EPA6010	0.5	12.9	2.4	9.4	13.7	9.7
AD	2002/5/23	Manganese	ug/g (ppm)	BCMWLAP/EPA6010	0.5	190	44.9	237	239	261
AD	2002/5/23	Mercury	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Molybdenum	ug/g (ppm)	BCMWLAP/EPA6010	0.5	0.7	0.5	1.0	1.0	0.9
AD	2002/5/23	Nickel	ug/g (ppm)	BCMWLAP/EPA6010	0.5	4.5	5.4	5.6	6.2	7.1
AD	2002/5/23	Selenium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Silver	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
AD	2002/5/23	Thallium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Tin	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	0.6	0.7
AD	2002/5/23	Vanadium	ug/g (ppm)	BCMWLAP/EPA6010	0.2	30.7	15.8	36.0	36.3	36.4
AD	2002/5/23	Zinc	ug/g (ppm)	BCMWLAP/EPA6010	0.5	35.1	79.0	65.3	68.8	54.8

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, SALM Analytical Method 8, v1.0, 2001

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SOIL ANALYSIS - ICP METALS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	Sample I.D.				
						02-3615	02-3617	02-3617	02-3618	02-3619
						TP02-13-02-2	TP02-13-03-2	TP02-13-03-2 Lab duplicate	TP02-13-04-2	TP02-07-01-3
AD	2002/5/23	Antimony	ug/g (ppm)	BCMWLAP/EPA6010	0.5	0.8	0.9	0.8	0.9	0.8
AD	2002/5/23	Arsenic	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.5	1.5	2.2	1.8	1.3
AD	2002/5/23	Barium	ug/g (ppm)	BCMWLAP/EPA6010	1	57	46	47	61	44
AD	2002/5/23	Beryllium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	0.1	0.1	0.1	<0.1
AD	2002/5/23	Cadmium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	<0.1	<0.1	0.1	<0.1
AD	2002/5/23	Chromium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	12.8	15.0	14.0	15.8	11.0
AD	2002/5/23	Cobalt	ug/g (ppm)	BCMWLAP/EPA6010	0.5	6.1	7.6	8.6	7.4	5.1
AD	2002/5/23	Copper	ug/g (ppm)	BCMWLAP/EPA6010	0.1	15.8	16.5	16.9	20.9	16.0
AD	2002/5/23	Lead	ug/g (ppm)	BCMWLAP/EPA6010	0.5	4.1	8.0	8.0	9.4	2.9
AD	2002/5/23	Manganese	ug/g (ppm)	BCMWLAP/EPA6010	0.5	290	345	362	319	175
AD	2002/5/23	Mercury	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Molybdenum	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	0.9	0.8	0.8	<0.5
AD	2002/5/23	Nickel	ug/g (ppm)	BCMWLAP/EPA6010	0.5	6.2	7.2	7.2	8.3	5.2
AD	2002/5/23	Selenium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Silver	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
AD	2002/5/23	Thallium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Tin	ug/g (ppm)	BCMWLAP/EPA6010	0.5	0.6	1.0	0.7	0.6	0.6
AD	2002/5/23	Vanadium	ug/g (ppm)	BCMWLAP/EPA6010	0.2	39.7	37.1	37.0	39.9	39.4
AD	2002/5/23	Zinc	ug/g (ppm)	BCMWLAP/EPA6010	0.5	40.0	48.0	49.1	51.6	26.6

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, SALM Analytical Method 8, v1.0, 2001

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Burnaby, British Columbia

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SOIL ANALYSIS - ICP METALS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/dd)	Analytical Parameter	Units	Reference Method	MDL	Sample I.D.				
						02-3620	02-3621	02-3622	02-3623	02-3624
						TP02-07-02-2	TP02-07-03-3	TP02-07-04-3	TP02-07-05-2	TP02-07-06-4
AD	2002/5/23	Antimony	ug/g (ppm)	BCMWLAP/EPA6010	0.5	0.8	0.7	0.9	1.1	0.6
AD	2002/5/23	Arsenic	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.3	1.5	2.3	2.1	2.1
AD	2002/5/23	Barium	ug/g (ppm)	BCMWLAP/EPA6010	1	51	56	50	87	69
AD	2002/5/23	Beryllium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	<0.1	<0.1	0.2	0.1
AD	2002/5/23	Cadmium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
AD	2002/5/23	Chromium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	13.8	12.7	12.5	16.7	6.5
AD	2002/5/23	Cobalt	ug/g (ppm)	BCMWLAP/EPA6010	0.5	5.7	5.7	5.4	7.9	2.6
AD	2002/5/23	Copper	ug/g (ppm)	BCMWLAP/EPA6010	0.1	17.5	21.9	17.5	20.1	10.3
AD	2002/5/23	Lead	ug/g (ppm)	BCMWLAP/EPA6010	0.5	4.2	7.8	7.5	40.2	3.5
AD	2002/5/23	Manganese	ug/g (ppm)	BCMWLAP/EPA6010	0.5	203	250	219	303	206
AD	2002/5/23	Mercury	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Molybdenum	ug/g (ppm)	BCMWLAP/EPA6010	0.5	0.6	0.6	0.7	1.0	1.1
AD	2002/5/23	Nickel	ug/g (ppm)	BCMWLAP/EPA6010	0.5	7.2	5.8	6.3	8.8	5.4
AD	2002/5/23	Selenium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Silver	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
AD	2002/5/23	Thallium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Tin	ug/g (ppm)	BCMWLAP/EPA6010	0.5	0.6	0.6	0.5	0.9	<0.5
AD	2002/5/23	Vanadium	ug/g (ppm)	BCMWLAP/EPA6010	0.2	38.0	40.7	38.3	41.3	10.5
AD	2002/5/23	Zinc	ug/g (ppm)	BCMWLAP/EPA6010	0.5	33.1	44.0	36.9	77.9	109

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency, 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

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Burnaby, British Columbia

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SOIL ANALYSIS - ICP METALS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	Sample I.D.				
						02-3625	02-3626	02-3627	02-3628	02-3629
						TP02-07-07-4	TP02-07-07-3	TP02-07-08-3	TP02-07-09-3	TP02-08-01-1
AD	2002/5/23	Antimony	ug/g (ppm)	BCMWLAP/EPA6010	0.5	7.9	1.2	0.7	0.9	1.3
AD	2002/5/23	Arsenic	ug/g (ppm)	BCMWLAP/EPA6010	0.5	2.5	2.5	<0.5	1.5	3.3
AD	2002/5/23	Barium	ug/g (ppm)	BCMWLAP/EPA6010	1	85	85	41	58	66
AD	2002/5/23	Beryllium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	0.2	0.2	<0.1	0.1	0.1
AD	2002/5/23	Cadmium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	0.1	<0.1	0.1	0.3
AD	2002/5/23	Chromium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	18.6	18.4	8.1	9.7	20.2
AD	2002/5/23	Cobalt	ug/g (ppm)	BCMWLAP/EPA6010	0.5	8.2	8.2	4.0	3.7	7.6
AD	2002/5/23	Copper	ug/g (ppm)	BCMWLAP/EPA6010	0.1	22.1	21.1	3.8	10.6	25.0
AD	2002/5/23	Lead	ug/g (ppm)	BCMWLAP/EPA6010	0.5	39.9	52.9	1.0	2.8	18.6
AD	2002/5/23	Manganese	ug/g (ppm)	BCMWLAP/EPA6010	0.5	283	283	143	110	345
AD	2002/5/23	Mercury	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Molybdenum	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.0	0.9	<0.5	1.3	0.9
AD	2002/5/23	Nickel	ug/g (ppm)	BCMWLAP/EPA6010	0.5	9.9	10.0	5.5	5.2	10.1
AD	2002/5/23	Selenium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Silver	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	<0.1	<0.1	<0.1	0.1
AD	2002/5/23	Thallium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Tin	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.1*	0.9	<0.5	0.8	1.4
AD	2002/5/23	Vanadium	ug/g (ppm)	BCMWLAP/EPA6010	0.2	42.5	41.8	16.5	22.4	42.8
AD	2002/5/23	Zinc	ug/g (ppm)	BCMWLAP/EPA6010	0.5	76.1	83.0	25.5	62.4	72.5

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, SALM Analytical Method 8, v1.0, 2001

* Analysis performed June 5, 2002

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SOIL ANALYSIS - ICP METALS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	Sample I.D.				
						02-3630	02-3631	02-3632	02-3633	02-3633
						TP02-08-02 2	TP02-08-03 2	TP02-08-04 3	TP02-23-01 2	TP02-23-01 2 Lab duplicate
AD	2002/5/23	Antimony	ug/g (ppm)	BCMWLAP/EPA6010	0.5	0.7	0.8	1.1	0.9	0.9
AD	2002/5/23	Arsenic	ug/g (ppm)	BCMWLAP/EPA6010	0.5	2.8	1.7	1.9	2.9	2.8
AD	2002/5/23	Barium	ug/g (ppm)	BCMWLAP/EPA6010	1	91	37	69	81	78
AD	2002/5/23	Beryllium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	0.1	0.1	0.2	0.2	0.2
AD	2002/5/23	Cadmium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	<0.1	0.1	0.1	0.1
AD	2002/5/23	Chromium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	10.3	16.0	15.1	22.8	21.3
AD	2002/5/23	Cobalt	ug/g (ppm)	BCMWLAP/EPA6010	0.5	5.6	3.2	7.2	7.8	7.6
AD	2002/5/23	Copper	ug/g (ppm)	BCMWLAP/EPA6010	0.1	38.3	12.2	19.9	17.1	16.3
AD	2002/5/23	Lead	ug/g (ppm)	BCMWLAP/EPA6010	0.5	5.6	11.3	22.4	22.0	22.9
AD	2002/5/23	Manganese	ug/g (ppm)	BCMWLAP/EPA6010	0.5	240	85.7	249	366	355
AD	2002/5/23	Mercury	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Molybdenum	ug/g (ppm)	BCMWLAP/EPA6010	0.5	0.9	1.4	0.9	1.3	1.2
AD	2002/5/23	Nickel	ug/g (ppm)	BCMWLAP/EPA6010	0.5	5.0	5.9	8.4	12.4	11.8
AD	2002/5/23	Selenium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Silver	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	<0.1	<0.1	<0.1	0.1
AD	2002/5/23	Thallium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Tin	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	1.0	<0.5	1.2	1.4
AD	2002/5/23	Vanadium	ug/g (ppm)	BCMWLAP/EPA6010	0.2	31.6	36.0	40.7	44.6	41.5
AD	2002/5/23	Zinc	ug/g (ppm)	BCMWLAP/EPA6010	0.5	57.8	23.2	53.8	89.0	76.7

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SOIL ANALYSIS - ICP METALS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	Sample I.D.				
						02-3634	02-3635	02-3636	02-3637	02-3638
						TP02-23-02-2	TP02-23-03-2	TP02-23-04-3	TP02-23-04-5	TP02-11-01-2
AD	2002/5/23	Antimony	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.0	1.4	0.5	0.7	1.2
AD	2002/5/23	Arsenic	ug/g (ppm)	BCMWLAP/EPA6010	0.5	2.8	3.2	1.5	1.7	1.9
AD	2002/5/23	Barium	ug/g (ppm)	BCMWLAP/EPA6010	1	61	62	31	32	59
AD	2002/5/23	Beryllium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	0.2	0.1	<0.1	<0.1	0.1
AD	2002/5/23	Cadmium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	0.1	0.2	<0.1	<0.1	<0.1
AD	2002/5/23	Chromium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	21.4	22.3	11.6	10.3	15.0
AD	2002/5/23	Cobalt	ug/g (ppm)	BCMWLAP/EPA6010	0.5	7.2	6.3	5.1	5.1	8.1
AD	2002/5/23	Copper	ug/g (ppm)	BCMWLAP/EPA6010	0.1	15.4	115	24.6	19.6	16.6
AD	2002/5/23	Lead	ug/g (ppm)	BCMWLAP/EPA6010	0.5	32.5	26.5	4.8	3.8	16.1
AD	2002/5/23	Manganese	ug/g (ppm)	BCMWLAP/EPA6010	0.5	276	334	166	172	264
AD	2002/5/23	Mercury	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Molybdenum	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.5	1.4	<0.5	0.5	0.8
AD	2002/5/23	Nickel	ug/g (ppm)	BCMWLAP/EPA6010	0.5	10.8	11.4	6.5	6.9	7.5
AD	2002/5/23	Selenium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Silver	ug/g (ppm)	BCMWLAP/EPA6010	0.1	0.1	0.1	<0.1	<0.1	<0.1
AD	2002/5/23	Thallium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Tin	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.0	1.8	<0.5	<0.5	0.9
AD	2002/5/23	Vanadium	ug/g (ppm)	BCMWLAP/EPA6010	0.2	43.4	42.7	32.9	29.2	39.9
AD	2002/5/23	Zinc	ug/g (ppm)	BCMWLAP/EPA6010	0.5	106	79.5	38.7	38.9	61.0

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SOIL ANALYSIS - ICP METALS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	Sample I.D.				
						02-3639	02-3640	02-3641	02-3642	02-3643
						TP02-11-01-5	TP02-11-02-1	TP02-12-01-2	TP02-12-02-1	TP02-12-03-2
AD	2002/5/23	Antimony	ug/g (ppm)	BCMWLAP/EPA6010	0.5	0.9	0.8	<0.5	0.7	1.0
AD	2002/5/23	Arsenic	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.2	1.4	2.0	2.3	2.0
AD	2002/5/23	Barium	ug/g (ppm)	BCMWLAP/EPA6010	1	50	41	63	68	62
AD	2002/5/23	Beryllium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	0.1	<0.1	0.1	0.1	0.1
AD	2002/5/23	Cadmium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	<0.1	<0.1	0.1	<0.1
AD	2002/5/23	Chromium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	14.1	11.2	15.3	14.0	16.7
AD	2002/5/23	Cobalt	ug/g (ppm)	BCMWLAP/EPA6010	0.5	7.9	5.8	8.3	8.0	8.5
AD	2002/5/23	Copper	ug/g (ppm)	BCMWLAP/EPA6010	0.1	16.3	18.6	19.4	31.9	22.5
AD	2002/5/23	Lead	ug/g (ppm)	BCMWLAP/EPA6010	0.5	11.1	9.9	21.8	46.4	24.8
AD	2002/5/23	Manganese	ug/g (ppm)	BCMWLAP/EPA6010	0.5	274	232	261	296	282
AD	2002/5/23	Mercury	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Molybdenum	ug/g (ppm)	BCMWLAP/EPA6010	0.5	0.8	0.8	1.0	0.8	0.9
AD	2002/5/23	Nickel	ug/g (ppm)	BCMWLAP/EPA6010	0.5	7.2	5.3	8.9	8.6	9.2
AD	2002/5/23	Selenium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Silver	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
AD	2002/5/23	Thallium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Tin	ug/g (ppm)	BCMWLAP/EPA6010	0.5	0.9	<0.5	0.8	1.0	0.9
AD	2002/5/23	Vanadium	ug/g (ppm)	BCMWLAP/EPA6010	0.2	36.8	37.4	37.9	36.9	39.5
AD	2002/5/23	Zinc	ug/g (ppm)	BCMWLAP/EPA6010	0.5	48.5	38.4	57.4	61.3	64.8

MDL: Method Detection Limit

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SOIL ANALYSIS - ICP METALS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	Sample I.D.				
						02-3644	02-3645	02-3646	02-3647	02-3647
						TP02-12-04-3	TP02-12-05-1	TP02-12-05-4	TP02-12-06-2	TP02-12-06-2 Lab duplicate
AD	2002/5/23	Antimony	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	0.8	0.9	0.7	0.8
AD	2002/5/23	Arsenic	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.1	4.2	4.4	2.2	2.0
AD	2002/5/23	Barium	ug/g (ppm)	BCMWLAP/EPA6010	1	27	61	55	58	58
AD	2002/5/23	Beryllium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	0.1	0.1	0.1	0.1	0.1
AD	2002/5/23	Cadmium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	0.1	0.1	<0.1	<0.1
AD	2002/5/23	Chromium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	2.4	16.8	16.4	14.1	14.9
AD	2002/5/23	Cobalt	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.4	7.0	6.9	7.6	8.1
AD	2002/5/23	Copper	ug/g (ppm)	BCMWLAP/EPA6010	0.1	6.3	22.7	19.3	19.6	19.8
AD	2002/5/23	Lead	ug/g (ppm)	BCMWLAP/EPA6010	0.5	0.6	20.5	18.0	14.7	15.4
AD	2002/5/23	Manganese	ug/g (ppm)	BCMWLAP/EPA6010	0.5	8.8	264	271	274	292
AD	2002/5/23	Mercury	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Molybdenum	ug/g (ppm)	BCMWLAP/EPA6010	0.5	0.6	0.7	0.7	0.8	0.8
AD	2002/5/23	Nickel	ug/g (ppm)	BCMWLAP/EPA6010	0.5	2.7	10.6	10.8	8.0	8.7
AD	2002/5/23	Selenium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.0	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Silver	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
AD	2002/5/23	Thallium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Tin	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	1.3	1.2	0.8	0.8
AD	2002/5/23	Vanadium	ug/g (ppm)	BCMWLAP/EPA6010	0.2	11.6	35.3	36.2	35.9	38.2
AD	2002/5/23	Zinc	ug/g (ppm)	BCMWLAP/EPA6010	0.5	48.0	58.5	55.0	55.4	59.0

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, SALM Analytical Method 8, v1.0, 2001

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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 15/2002
Date Sampled: May 9, 10, 13, 14/2002
Date of Report: June 6/2002
Page 9 of 10

SOIL ANALYSIS - ICP METALS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	Sample I.D.				
						02-3648	02-3649	02-3650	02-3651	02-3652
						TP02-10-01-1	TP02-10-02-1	TP02-10-03-1	TP02-10-04-1	BH02-07-02-4
AD	2002/5/23	Antimony	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.1	0.9	1.3	1.0	0.8
AD	2002/5/23	Arsenic	ug/g (ppm)	BCMWLAP/EPA6010	0.5	3.7	6.6	2.7	7.5	1.7
AD	2002/5/23	Barium	ug/g (ppm)	BCMWLAP/EPA6010	1	56	50	68	51	59
AD	2002/5/23	Beryllium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	<0.1	<0.1	<0.1	<0.1
AD	2002/5/23	Cadmium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	0.5	0.2	0.6	0.1	<0.1
AD	2002/5/23	Chromium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	15.7	13.1	22.6	15.4	13.7
AD	2002/5/23	Cobalt	ug/g (ppm)	BCMWLAP/EPA6010	0.5	6.8	6.5	8.6	7.1	5.8
AD	2002/5/23	Copper	ug/g (ppm)	BCMWLAP/EPA6010	0.1	90.9	34.2	48.0	93.6	16.2
AD	2002/5/23	Lead	ug/g (ppm)	BCMWLAP/EPA6010	0.5	61.2	35.1	57.3	61.1	5.9
AD	2002/5/23	Manganese	ug/g (ppm)	BCMWLAP/EPA6010	0.5	230	237	304	248	213
AD	2002/5/23	Mercury	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Molybdenum	ug/g (ppm)	BCMWLAP/EPA6010	0.5	0.9	0.7	1.1	0.9	0.8
AD	2002/5/23	Nickel	ug/g (ppm)	BCMWLAP/EPA6010	0.5	7.2	6.5	11.2	7.1	6.7
AD	2002/5/23	Selenium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Silver	ug/g (ppm)	BCMWLAP/EPA6010	0.1	0.3	<0.1	<0.1	<0.1	<0.1
AD	2002/5/23	Thallium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Tin	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.7	0.8	1.9	1.2	0.8
AD	2002/5/23	Vanadium	ug/g (ppm)	BCMWLAP/EPA6010	0.2	39.7	37.5	42.6	43.0	34.5
AD	2002/5/23	Zinc	ug/g (ppm)	BCMWLAP/EPA6010	0.5	246	116	169	207	36.7

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 15/2002
Date Sampled: May 9, 10, 13, 14/2002
Date of Report: June 6/2002
Page 10 of 10

SOIL ANALYSIS - ICP METALS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	Sample I.D.			
						02-3653 BH02-07-02 9	02-3655 BH02-G-01- 2	02-3656 BH02-G-02- 1	02-3657 BH02-G-03- 1
AD	2002/5/23	Antimony	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.0	1.0	1.0	0.9
AD	2002/5/23	Arsenic	ug/g (ppm)	BCMWLAP/EPA6010	0.5	2.8	1.9	1.9	2.4
AD	2002/5/23	Barium	ug/g (ppm)	BCMWLAP/EPA6010	1	55	70	68	96
AD	2002/5/23	Beryllium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	0.1	0.1	0.2
AD	2002/5/23	Cadmium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	<0.1	<0.1	<0.1
AD	2002/5/23	Chromium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	19.6	16.2	23.4	18.2
AD	2002/5/23	Cobalt	ug/g (ppm)	BCMWLAP/EPA6010	0.5	6.3	7.7	7.5	8.7
AD	2002/5/23	Copper	ug/g (ppm)	BCMWLAP/EPA6010	0.1	19.8	19.2	19.8	25.2
AD	2002/5/23	Lead	ug/g (ppm)	BCMWLAP/EPA6010	0.5	7.5	23.8	5.6	2.8
AD	2002/5/23	Manganese	ug/g (ppm)	BCMWLAP/EPA6010	0.5	228	264	285	441
AD	2002/5/23	Mercury	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Molybdenum	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.1	0.9	1.5	1.0
AD	2002/5/23	Nickel	ug/g (ppm)	BCMWLAP/EPA6010	0.5	9.3	8.4	9.3	10.6
AD	2002/5/23	Selenium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Silver	ug/g (ppm)	BCMWLAP/EPA6010	0.1	<0.1	<0.1	<0.1	<0.1
AD	2002/5/23	Thallium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	<0.5	<0.5	<0.5	<0.5
AD	2002/5/23	Tin	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.8	1.0	1.7	<0.5
AD	2002/5/23	Vanadium	ug/g (ppm)	BCMWLAP/EPA6010	0.2	39.9	39.8	42.8	44.9
AD	2002/5/23	Zinc	ug/g (ppm)	BCMWLAP/EPA6010	0.5	43.9	109	42.5	40.6

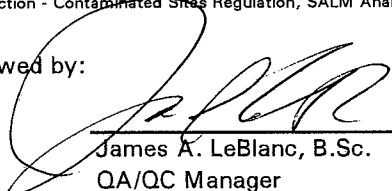
MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, SALM Analytical Method 8, v1.0, 2001

Report reviewed by:


James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

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ANALYTICAL REPORT

QUALITY CONTROL STANDARD

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43000

Analyst	Date of Analysis (yyyy/m/d)	Analytical Parameter	Units	Reference Method	MDL	Analyzed Value	Advisory Range	Target Value	Reference No.
AD	2002/5/23	Antimony	ug/g (ppm)	BCMWLAP/EPA6010	0.5	14.3	1.9-18.1	10.0	SS#8
AD	2002/5/23	Arsenic	ug/g (ppm)	BCMWLAP/EPA6010	0.5	13.8	13.5-15.7	14.6	SS#8
AD	2002/5/23	Barium	ug/g (ppm)	BCMWLAP/EPA6010	1	283	249-324	286	SS#8
AD	2002/5/23	Beryllium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	0.5	0.5-0.6	0.5	SS#8
AD	2002/5/23	Cadmium	ug/g (ppm)	BCMWLAP/EPA6010	0.1	1.0	1.0-1.2	1.1	SS#8
AD	2002/5/23	Chromium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	29.7	25.5-29.7	27.6	SS#8
AD	2002/5/23	Cobalt	ug/g (ppm)	BCMWLAP/EPA6010	0.5	15.5	8.4-17.0	12.0	Till 1
AD	2002/5/23	Copper	ug/g (ppm)	BCMWLAP/EPA6010	0.1	46.5	36.0-54.0	48.0	Till 1
AD	2002/5/23	Lead	ug/g (ppm)	BCMWLAP/EPA6010	0.5	13.9	7.8-20.5	12.0	Till 1
AD	2002/5/23	Manganese	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1217	870-1310	950	Till 1
AD	2002/5/23	Mercury	ug/g (ppm)	BCMWLAP/EPA6010	0.5	3.8	2.3-4.3	3.3	SS#8
AD	2002/5/23	Molybdenum	ug/g (ppm)	BCMWLAP/EPA6010	0.5	1.1	0.8-1.2	1.0	SS#8
AD	2002/5/23	Nickel	ug/g (ppm)	BCMWLAP/EPA6010	0.5	17.5	8.9-26.9	18.0	Till 1
AD	2002/5/23	Selenium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	182	111-188	150	Era 246
AD	2002/5/23	Silver	ug/g (ppm)	BCMWLAP/EPA6010	0.1	0.9	0.6-1.2	0.9	SS#8
AD	2002/5/23	Thallium	ug/g (ppm)	BCMWLAP/EPA6010	0.5	84.5	46.0-115	80.3	Era 246
AD	2002/5/23	Tin	ug/g (ppm)	BCMWLAP/EPA6010	0.5	3.9	2.8-4.3	3.6	SS#8
AD	2002/5/23	Vanadium	ug/g (ppm)	BCMWLAP/EPA6010	0.2	55.7	33.0-73.0	48.0	Till 1
AD	2002/5/23	Zinc	ug/g (ppm)	BCMWLAP/EPA6010	0.5	76.5	55.0-80.0	70.0	Till 1

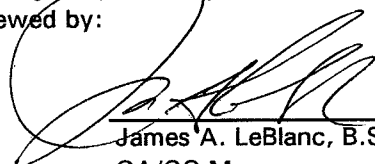
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EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, SALM Analytical Method 8, v1.0, 2001

Report reviewed by:


James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


for, Brenda Chomin
Manager
Laboratory Services

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Vancouver, British Columbia

Date Received: May 16/2002
Date Sampled: May 7/2002
Date of Report: May 23/2002

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43006

Analyst	Date of Analysis (yyyy/mm/d)	ANALYTICAL PARAMETERS	Units	EPA Reference Method	MDL	Sample I.D.
						02-3692
						BH02-12-01-5
ME	2002/5/17	Acenaphthene	µg/g (ppm)	3550b/8270c	0.05	<0.05
ME	2002/5/17	Acenaphthylene	µg/g (ppm)	3550b/8270c	0.05	<0.05
ME	2002/5/17	Anthracene	µg/g (ppm)	3550b/8270c	0.05	<0.05
ME	2002/5/17	Benzo(a)anthracene	µg/g (ppm)	3550b/8270c	0.1	<0.1
ME	2002/5/17	Benzo(a)pyrene	µg/g (ppm)	3550b/8270c	0.05	0.25
ME	2002/5/17	Benzo(b+j+k)fluoranthene	µg/g (ppm)	3550b/8270c	0.1	<0.1
ME	2002/5/17	Benzo(g,h,i)perylene	µg/g (ppm)	3550b/8270c	0.1	<0.1
ME	2002/5/17	Chrysene	µg/g (ppm)	3550b/8270c	0.05	<0.05
ME	2002/5/17	Dibenzo(a,h)anthracene	µg/g (ppm)	3550b/8270c	0.1	<0.1
ME	2002/5/17	Fluoranthene	µg/g (ppm)	3550b/8270c	0.05	0.12
ME	2002/5/17	Fluorene	µg/g (ppm)	3550b/8270c	0.05	<0.05
ME	2002/5/17	Indeno(1,2,3-cd)pyrene	µg/g (ppm)	3550b/8270c	0.1	<0.1
ME	2002/5/17	Naphthalene	µg/g (ppm)	3550b/8270c	0.05	1.5
ME	2002/5/17	Phenanthrene	µg/g (ppm)	3550b/8270c	0.05	0.17
ME	2002/5/17	Pyrene	µg/g (ppm)	3550b/8270c	0.05	0.10

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.
Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

Report reviewed by:

Stinson
for, James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services

Brenda Chomin
Brenda Chomin
Manager
Laboratory Services

ANALYTICAL REPORT

QUALITY CONTROL STANDARD

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43006

Analyst	Date of Analysis (yyyy/mm/d)	ANALYTICAL PARAMETERS	Units	EPA Reference Method	MDL	Analyzed Value	Advisory Range	Target Value	Reference No.
ME	2002/5/17	Acenaphthene	µg/g (ppm)	3550b/8270c	0.05	5.56	2.15-7.67	7.24	ERA 363
ME	2002/5/17	Acenaphthylene	µg/g (ppm)	3550b/8270c	0.05	1.23	0.69-3.50	3.33	ERA 363
ME	2002/5/17	Anthracene	µg/g (ppm)	3550b/8270c	0.05	0.47	0.37-1.21	1.15	ERA 363
ME	2002/5/17	Benzo(a)anthracene	µg/g (ppm)	3550b/8270c	0.1	5.30	2.92-7.52	6.89	ERA 363
ME	2002/5/17	Benzo(a)pyrene	µg/g (ppm)	3550b/8270c	0.05	0.18	0.05-0.29	0.21	ERA 364
ME	2002/5/17	Benzo(b+j+k)fluoranthene	µg/g (ppm)	3550b/8270c	0.1	0.73	0.43-1.44	1.16	ERA 363
ME	2002/5/17	Benzo(g,h,i)perylene	µg/g (ppm)	3550b/8270c	0.1	0.34	0.14-0.52	0.40	ERA 364
ME	2002/5/17	Chrysene	µg/g (ppm)	3550b/8270c	0.05	3.16	1.52-4.60	3.70	ERA 363
ME	2002/5/17	Fluoranthene	µg/g (ppm)	3550b/8270c	0.05	2.16	1.08-3.06	2.56	ERA 363
ME	2002/5/17	Fluorene	µg/g (ppm)	3550b/8270c	0.05	4.68	1.94-6.46	5.83	ERA 363
ME	2002/5/17	Naphthalene	µg/g (ppm)	3550b/8270c	0.05	4.83	1.64-6.92	6.59	ERA 363
ME	2002/5/17	Phenanthrene	µg/g (ppm)	3550b/8270c	0.05	1.24	0.67-1.69	1.43	ERA 363
ME	2002/5/17	Pyrene	µg/g (ppm)	3550b/8270c	0.05	1.83	0.876-2.74	2.18	ERA 363

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

Report reviewed by:

S. Thorne
for, James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services

Brenda Chomin
Brenda Chomin
Manager
Laboratory Services



ANALYTICAL SERVICES

24-May-02

Page 1 of 11

Certificate of Analysis

8577 Commerce Court
Burnaby, B.C.
Canada V5A 4N5
Tel 604 444 4808
Fax 604 444 4511

Reported To :

AMEC EARTH AND ENVIRONMENTAL LTD.

Client Code YY

2227 DOUGLAS ROAD
BURNABY BC
V5C 5A9

Attention : C. TAYLOR
Phone : (604) 294-3811
FAX : EMAIL

Project Information :

Project ID : VE51267
Submitted By: K. FAUBERT


Earth & Environmental

JUN 13 2002

Requisition Forms :

Form 08093717 logged on 15-May-02 completed on 24-May-02

RECEIVED

Remarks :

- + All organic data is blank corrected except for PCDD/F, Hi-res MS and CLP volatile analyses
- + 'MDL' = Method Detection Limit, '<' = Less than MDL, '---' = Not analyzed
- + Solids results are based on dry weight except Biota Analyses & Special Waste Oil & Grease
- + Organic analyses are not corrected for extraction recovery standards except for Isotope Dilution methods, (i.e. CARB 429 PAH, all PCDD/F and DBD/DBF analyses)
- + All CCME and/or BC CSR results met required criteria unless otherwise stated in the report.
- + All data on final reports are validated by technical personnel. Signature on file at laboratory.
- + Deviations from Reference Method for the Canadian-wide Standard for Petroleum Hydrocarbons in Soil - Tier 1 Method:
 - F1 data - None
 - F2/F3/F4 data reported using validated cold solvent extraction instead of Soxhlet extraction
- + All Groundwater samples except BTEX/VOC's or Purgeable Hydrocarbons are decanted and/or filtered prior to analysis unless otherwise mandated by regulatory agency
- + This report shall not be reproduced except in full, without the written approval of the laboratory

Methods used by Philip are based upon those found in 'Standard Methods for the Examination of Water and Wastewater', 20th Edition, published by the American Public Health Association, or on US EPA protocols found in the 'Test Methods For Evaluating Solid Waste, Physical/Chemical Method, SW846', 3rd Edition. Other procedures are based on methodologies accepted by the appropriate regulatory agency. Methodology briefs are available by written request.

All work recorded herein has been done in accordance with normal professional standards using accepted testing methodologies, quality assurance and quality control procedures except where otherwise agreed to by the client and testing company in writing. Liability for any and all use of these test results shall be limited to the actual cost of the pertinent analysis done. There is no other warranty expressed or implied. Your samples will be retained at Philip for a period of 30 days from receipt of data or as per contract.

PHILIP Project Manager: Eden Bard





ANALYTICAL SERVICES

24-May-02

Page 2 of 11

ANALYTICAL REPORT
Form 08093717

Client : AMEC EARTH AND ENVIRONMENTAL LTD.
Project : VE51267

Philip ID : 12028087
Client ID : BH02-0
7-02-4

Sparcode	Parameter	Unit	MDL	
PHYSICAL				
0004DI02	pH (DI 1:2)	pH units	0.1	7.7
00250760	Moisture	%(W/W)	0.1	15.7
PHOSPHORUS				
P--TMS20	Phosphorus Total (P)	ug/g	10	352
METALS TOTAL				
Al-TMS20	Aluminum	ug/g	100	13900
Sb-TMS20	Antimony	ug/g	0.1	0.1
As-TMS20	Arsenic	ug/g	0.2	2.7
Ba-TMS20	Barium	ug/g	0.1	55.6
Be-TMS20	Beryllium	ug/g	0.1	0.1
Bi-TMS20	Bismuth	ug/g	0.1	< 0.1
Cd-TMS20	Cadmium	ug/g	0.05	0.07
Ca-TMS20	Calcium	ug/g	100	5050
Cr-TMS20	Chromium	ug/g	0.2	10.4
Co-TMS20	Cobalt	ug/g	0.3	4.5
Cu-TMS20	Copper	ug/g	0.5	13.4
Fe-TMS20	Iron	ug/g	100	17800
Pb-TMS20	Lead	ug/g	0.1	7.1
Mg-TMS20	Magnesium	ug/g	100	5350
Mn-TMS20	Manganese	ug/g	0.2	192
Hg-TMS20	Mercury	ug/g	0.05	< 0.05
Mo-TMS20	Molybdenum	ug/g	0.1	0.5
Ni-TMS20	Nickel	ug/g	0.8	6.0
K--TMS20	Potassium	ug/g	100	397
Se-TMS20	Selenium	ug/g	0.5	< 0.5
Ag-TMS20	Silver	ug/g	0.05	< 0.05
Na-TMS20	Sodium	ug/g	100	321
Sr-TMS20	Strontium	ug/g	0.1	24.6
Te-TMS20	Tellurium	ug/g	0.1	< 0.1
Tl-TMS20	Thallium	ug/g	0.05	0.06
Sn-TMS20	Tin	ug/g	0.1	0.3
Ti-TMS20	Titanium	ug/g	1	365
V--TMS20	Vanadium	ug/g	2	29
Zn-TMS20	Zinc	ug/g	0.5	36.6

Matrix : Soil
Sampled on: 02/05/09 16:00

CONTINUED on page 3



ANALYTICAL SERVICES

24-May-02
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ANALYTICAL REPORT
Form 08093717

Client : AMEC EARTH AND ENVIRONMENTAL LTD.
Project : VE51267

Philip ID : 12028087
Client ID : BH02-0
7-02-4

Sparcode	Parameter	Unit	MDL	
Zr-TMS20	Zirconium	ug/g	0.5	< 0.5
HYDROCARBONS				
EX995143	TEH Prep - soils	date		02/05/16
H099-VPH	VH C6-C10	ug/g	10	160
EPH3P108	EPHs C10-19	ug/g	10	110
SLEPCALC	LEPHs	ug/g		110
EPH4P108	EPHs C19-32	ug/g	10	59
SHEPCALC	HEPHs	ug/g		57
H098CALC	VPHs	ug/g		160
SURROGATE RECOVERY				
T140P108	o-Terphenyl	%	0	103
POLYCYCLIC AROMATIC HYDROCARBONS				
EX9946Z2	Soil prep for PAH	date		02/05/16
PA01OS12	Acenaphthene	ug/g	0.01	0.15
PA02OS12	Acenaphthylene	ug/g	0.01	0.03
PA03OS12	Anthracene	ug/g	0.01	0.39
PA04OS12	Benzo(a)anthracene	ug/g	0.01	0.47
PA06OS12	Benzo(b)fluoranthene	ug/g	0.01	0.38
PA08OS12	Benzo(k)fluoranthene	ug/g	0.01	0.13
PA07OS12	Benzo(g,h,i)perylene	ug/g	0.02	0.17
PA05OS12	Benzo(a)pyrene	ug/g	0.01	0.33
PA09OS12	Chrysene	ug/g	0.01	0.42
PA10OS12	Dibenz(a,h)anthracene	ug/g	0.02	0.06
PA11OS12	Fluoranthene	ug/g	0.01	0.89
PA12OS12	Fluorene	ug/g	0.01	0.40
PA13OS12	Indeno(1,2,3-c,d)pyrene	ug/g	0.02	0.17
PA14OS12	Naphthalene	ug/g	0.01	0.77
PA15OS12	Phenanthrene	ug/g	0.01	1.6
PA16OS12	Pyrene	ug/g	0.01	0.84
PAHtCAL2	Total PAH's	ug/g		7.2
PAH_CAL2	Total Low MW PAH's	ug/g		3.3
PAHhCAL2	Total High MW PAH's	ug/g		3.9

Matrix : Soil
Sampled on: 02/05/09 16:00

CONTINUED on page 4



ANALYTICAL SERVICES

24-May-02
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ANALYTICAL REPORT
Form 08093717

Client : AMEC EARTH AND ENVIRONMENTAL LTD.
Project : VE51267

Philip ID : 12028087
Client ID : BH02-0
7-02-4

Sparcode	Parameter	Unit	MDL	
SURROGATE RECOVERY				
AcenOS12	d10-Acenaphthene	%	0	73
PhenOS12	d10-Phenanthrene	%	0	75
ChryOS12	d12-Chrysene	%	0	86
PeryOS12	d12-Perylene	%	0	80
VOLATILE ORGANICS-MAH				
B020MS12	Benzene	ug/g	0.04	0.09
V919MS12	Chlorobenzene	ug/g	0.05	< 0.05
V924MS12	1,2-Dichlorobenzene	ug/g	0.03	< 0.03
V925MS12	1,3-Dichlorobenzene	ug/g	0.03	< 0.03
V926MS12	1,4-Dichlorobenzene	ug/g	0.02	< 0.02
B021MS12	Ethylbenzene	ug/g	0.10	0.71
V921MS12	Styrene	ug/g	0.10	< 0.10
T001MS12	Toluene	ug/g	0.10	< 0.10
X_882_10	Xylenes	ug/g	0.1	2.2
X003MS12	m,p - Xylene	ug/g	0.10	2.2
X002MS12	o - Xylene	ug/g	0.10	< 0.10
VOLATILE ORGANICS-CHLORINATED ALIPHATIC				
EX995170	Volat. Soil Extract.	date		02/05/15
V903MS12	Bromomethane	ug/g	0.1	< 0.1
C034MS12	Carbon tetrachloride	ug/g	0.03	< 0.03
V904MS12	Chloroethane	ug/g	0.1	< 0.1
V901MS12	Chloromethane	ug/g	0.1	< 0.1
V909MS12	1,1-Dichloroethane	ug/g	0.05	< 0.05
V912MS12	1,2-Dichloroethane	ug/g	0.03	< 0.03
V906MS12	1,1-Dichloroethene	ug/g	0.03	< 0.03
V910MS12	cis-1,2-Dichloroethene	ug/g	0.03	< 0.03
V908MS12	trans-1,2-Dichloroethene	ug/g	0.03	< 0.03
V907MS12	Dichloromethane	ug/g	0.10	< 0.10
V913MS12	1,2-Dichloropropane	ug/g	0.05	< 0.05
V915MS12	cis-1,3-Dichloropropene	ug/g	0.05	< 0.05
V916MS12	trans-1,3-Dichloropropene	ug/g	0.1	< 0.1
V918MS12	1,2-Dibromoethane	ug/g	0.03	< 0.03
V923MS12	1,1,2,2-Tetrachloroethane	ug/g	0.03	< 0.03
T030MS12	Tetrachloroethene	ug/g	0.02	< 0.02

Matrix : Soil
Sampled on: 02/05/09 16:00

CONTINUED on page 5



ANALYTICAL SERVICES

24-May-02
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ANALYTICAL REPORT
Form 08093717

Client : AMEC EARTH AND ENVIRONMENTAL LTD.
Project : VE51267

Philip ID : 12028087
Client ID : BH02-0
7-02-4

Sparcode	Parameter	Unit	MDL	
V911MS12	1,1,1-Trichloroethane	ug/g	0.05	< 0.05
V917MS12	1,1,2-Trichloroethane	ug/g	0.05	< 0.05
T029MS12	Trichloroethene	ug/g	0.03	< 0.03
V905MS12	Trichlorofluoromethane	ug/g	0.03	< 0.03
V902MS12	Vinyl Chloride	ug/g	0.1	< 0.1
VOLATILE ORGANICS-TRIHALOMETHANES				
B012MS12	Bromodichloromethane	ug/g	0.03	< 0.03
B013MS12	Bromoform	ug/g	0.03	< 0.03
C032MS12	Chloroform	ug/g	0.03	< 0.03
C033MS12	Dibromochloromethane	ug/g	0.03	< 0.03
VOC SURROGATE RECOVERY				
VS01VSUR	Bromofluorobenzene	%	0	0
VS02VSUR	d4-1,2-dichloroethane	%	0	97
VS03VSUR	d8-Toluene	%	0	102
Ed10VSUR	Ethylbenzene-d10	%	60	98
			Matrix :	Soil
			Sampled on:	02/05/09 16:00



ANALYTICAL SERVICES

24-May-02
Page 6 of 11DUPLICATE SUMMARY
Form 08093717

Parameter	Client ID	Philip ID	Sample Conc.	Duplicate Conc.	MDL	Unit	Relative % Diff.
Silver	BH02-07-02-4	12028087	< 0.05	< 0.05	0.05	ug/g	0.00
Aluminum	BH02-07-02-4	12028087	13900	14700	100	ug/g	-5.59
Arsenic	BH02-07-02-4	12028087	2.7	2.6	0.2	ug/g	3.77
Barium	BH02-07-02-4	12028087	55.6	49.7	0.1	ug/g	11.21
Beryllium	BH02-07-02-4	12028087	0.1	0.1	0.1	ug/g	0.00
Bismuth	BH02-07-02-4	12028087	< 0.1	< 0.1	0.1	ug/g	0.00
Calcium	BH02-07-02-4	12028087	5050	5180	100	ug/g	-2.54
Cadmium	BH02-07-02-4	12028087	0.07	0.08	0.05	ug/g	-13.33
Cobalt	BH02-07-02-4	12028087	4.5	5.1	0.3	ug/g	-12.50
Chromium	BH02-07-02-4	12028087	10.4	9.8	0.2	ug/g	5.94
Copper	BH02-07-02-4	12028087	13.4	13.9	0.5	ug/g	-3.66
Iron	BH02-07-02-4	12028087	17800	19800	100	ug/g	-10.64
Potassium	BH02-07-02-4	12028087	397	388	100	ug/g	2.29
Magnesium	BH02-07-02-4	12028087	5350	6090	100	ug/g	-12.94
Manganese	BH02-07-02-4	12028087	192	209	0.2	ug/g	-8.48
Molybdenum	BH02-07-02-4	12028087	0.5	0.5	0.1	ug/g	0.00
Sodium	BH02-07-02-4	12028087	321	313	100	ug/g	2.52
Nickel	BH02-07-02-4	12028087	6.0	6.1	0.8	ug/g	-1.65
Phosphorus Total (P)	BH02-07-02-4	12028087	352	380	10	ug/g	-7.65
Lead	BH02-07-02-4	12028087	7.1	7.2	0.1	ug/g	-1.40
Antimony	BH02-07-02-4	12028087	0.1	0.1	0.1	ug/g	0.00
Selenium	BH02-07-02-4	12028087	< 0.5	< 0.5	0.5	ug/g	0.00
Tin	BH02-07-02-4	12028087	0.3	0.3	0.1	ug/g	0.00
Strontium	BH02-07-02-4	12028087	24.6	23.2	0.1	ug/g	5.86
Tellurium	BH02-07-02-4	12028087	< 0.1	< 0.1	0.1	ug/g	0.00
Titanium	BH02-07-02-4	12028087	365	386	1	ug/g	-5.59
Thallium	BH02-07-02-4	12028087	0.06	0.06	0.05	ug/g	0.00
Vanadium	BH02-07-02-4	12028087	29	33	2	ug/g	-12.90
Zinc	BH02-07-02-4	12028087	36.6	38.6	0.5	ug/g	-5.32
Zirconium	BH02-07-02-4	12028087	< 0.5	< 0.5	0.5	ug/g	0.00
pH (DI 1:2)	BH02-07-02-4	12028087	7.7	7.7	0.1	pH units	0.00
Mercury	BH02-07-02-4	12028087	< 0.05	< 0.05	0.05	ug/g	0.00
Moisture	BH02-07-02-4	12028087	15.7	14.8	0.1	%(W/W)	5.90



ANALYTICAL SERVICES

24-May-02
Page 7 of 11

SPIKE SUMMARY
Form 08093717

Parameter	Client ID	Philip ID	Sample Conc.	Sample & Spike Conc.	Spike Amount	Unit	Percent Recovery
Chloromethane	Blank Spike. Batch :	25202669	< 0.1	8.8	10.7	ug/g	81
Vinyl Chloride	Blank Spike. Batch :	25202669	< 0.1	8.9	10.7	ug/g	83
Bromomethane	Blank Spike. Batch :	25202669	0.3	8.9	10.7	ug/g	80
Chloroethane	Blank Spike. Batch :	25202669	< 0.1	9.5	10.7	ug/g	88
Trichlorofluoromethane	Blank Spike. Batch :	25202669	0.11	11	10.7	ug/g	102
1,1-Dichloroethene	Blank Spike. Batch :	25202669	< 0.03	1.9	2.15	ug/g	88
Dichloromethane	Blank Spike. Batch :	25202669	0.18	2.0	2.15	ug/g	83
trans-1,2-Dichloroethene	Blank Spike. Batch :	25202669	< 0.03	1.9	2.15	ug/g	89
1,1-Dichloroethane	Blank Spike. Batch :	25202669	< 0.05	2.0	2.15	ug/g	93
cis-1,2-Dichloroethene	Blank Spike. Batch :	25202669	< 0.03	1.9	2.15	ug/g	88
Chloroform	Blank Spike. Batch :	25202669	< 0.03	2.1	2.15	ug/g	96
1,1,1-Trichloroethane	Blank Spike. Batch :	25202669	< 0.05	2.0	2.15	ug/g	92
1,2-Dichloroethane	Blank Spike. Batch :	25202669	< 0.03	2.2	2.15	ug/g	103
Carbon tetrachloride	Blank Spike. Batch :	25202669	< 0.03	1.7	2.15	ug/g	77
Benzene	Blank Spike. Batch :	25202669	< 0.04	2.0	2.15	ug/g	92
1,2-Dichloropropane	Blank Spike. Batch :	25202669	< 0.05	2.0	2.15	ug/g	93
Trichloroethene	Blank Spike. Batch :	25202669	< 0.03	2.0	2.15	ug/g	93
Bromodichloromethane	Blank Spike. Batch :	25202669	< 0.03	1.7	2.15	ug/g	79
cis-1,3-Dichloropropene	Blank Spike. Batch :	25202669	< 0.05	1.8	2.15	ug/g	83
trans-1,3-Dichloropropene	Blank Spike. Batch :	25202669	< 0.1	1.9	2.15	ug/g	87
Toluene	Blank Spike. Batch :	25202669	< 0.10	2.0	2.15	ug/g	92
1,1,2-Trichloroethane	Blank Spike. Batch :	25202669	< 0.05	2.1	2.15	ug/g	98
Dibromochloromethane	Blank Spike. Batch :	25202669	< 0.03	1.9	2.15	ug/g	89
1,2-Dibromoethane	Blank Spike. Batch :	25202669	< 0.03	2.1	2.15	ug/g	96
Tetrachloroethene	Blank Spike. Batch :	25202669	0.03	2.0	2.15	ug/g	93
Chlorobenzene	Blank Spike. Batch :	25202669	< 0.05	2.0	2.15	ug/g	94
Ethylbenzene	Blank Spike. Batch :	25202669	< 0.10	2.0	2.15	ug/g	93
m,p - Xylene	Blank Spike. Batch :	25202669	< 0.10	4.0	4.3	ug/g	92
Bromoform	Blank Spike. Batch :	25202669	< 0.03	1.9	2.15	ug/g	87
Styrene	Blank Spike. Batch :	25202669	< 0.10	2.0	2.15	ug/g	93
o - Xylene	Blank Spike. Batch :	25202669	< 0.10	2.0	2.15	ug/g	94
1,1,2,2-Tetrachloroethane	Blank Spike. Batch :	25202669	< 0.03	2.4	2.15	ug/g	112
1,2-Dichlorobenzene	Blank Spike. Batch :	25202669	0.03	2.1	2.15	ug/g	97
1,3-Dichlorobenzene	Blank Spike. Batch :	25202669	0.05	2.2	2.15	ug/g	98
1,4-Dichlorobenzene	Blank Spike. Batch :	25202669	< 0.02	2.2	2.15	ug/g	100
Arsenic	Blank Spike. Batch :	24201621	< 0.2	2.3	2	ug/g	106
Cadmium	Blank Spike. Batch :	24201621	< 0.05	2.12	2	ug/g	106
Lead	Blank Spike. Batch :	24201621	< 0.1	2.3	2	ug/g	110



ANALYTICAL SERVICES

24-May-02
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SPIKE SUMMARY
Form 08093717

Parameter	Client ID	Philip ID	Sample Conc.	Sample & Spike Conc.	Spike Amount	Unit	Percent Recovery
Selenium	Blank Spike. Batch :	24201621	< 0.5	2.2	2	ug/g	109
Thallium	Blank Spike. Batch :	24201621	< 0.05	2.17	2	ug/g	108
Mercury	Blank Spike. Batch :	24201621	< 0.05	0.52	.5	ug/g	104
Naphthalene	Blank Spike. Batch :	24500922	< 0.01	1.6	1.99	ug/g	78
Acenaphthylene	Blank Spike. Batch :	24500922	< 0.01	1.6	1.99	ug/g	79
Acenaphthene	Blank Spike. Batch :	24500922	< 0.01	1.6	1.99	ug/g	80
Fluorene	Blank Spike. Batch :	24500922	< 0.01	1.6	1.99	ug/g	83
Phenanthrene	Blank Spike. Batch :	24500922	< 0.01	1.6	1.99	ug/g	79
Anthracene	Blank Spike. Batch :	24500922	< 0.01	1.4	1.99	ug/g	70
Fluoranthene	Blank Spike. Batch :	24500922	< 0.01	1.6	1.99	ug/g	81
Pyrene	Blank Spike. Batch :	24500922	< 0.01	1.6	1.99	ug/g	81
Benzo(a)anthracene	Blank Spike. Batch :	24500922	< 0.01	1.5	1.99	ug/g	78
Chrysene	Blank Spike. Batch :	24500922	< 0.01	1.5	1.99	ug/g	77
Benzo(b)fluoranthene	Blank Spike. Batch :	24500922	< 0.01	1.5	1.99	ug/g	73
Benzo(k)fluoranthene	Blank Spike. Batch :	24500922	< 0.01	1.6	1.99	ug/g	78
Benzo(a)pyrene	Blank Spike. Batch :	24500922	< 0.01	1.4	1.99	ug/g	72
Indeno(1,2,3-c,d)pyrene	Blank Spike. Batch :	24500922	< 0.02	1.4	1.99	ug/g	71
Dibenz(a,h)anthracene	Blank Spike. Batch :	24500922	< 0.02	1.5	1.99	ug/g	77
Benzo(g,h,i)perylene	Blank Spike. Batch :	24500922	< 0.02	1.4	1.99	ug/g	71



ANALYTICAL SERVICES

24-May-02
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ANALYSIS DATES
Form 08093717

	Philip ID:	12028087
	Client ID:	BH02-0
		7-02-4
0004DI02	pH (DI 1:2)	16-MAY-2002
00250760	Moisture	16-MAY-2002
Hg-TMS20	Mercury	16-MAY-2002
ICPMS200	Soil Metals by ICP-MS	16-MAY-2002
H099-VPH	VH C6-C10	17-MAY-2002
TEHSN	EPH 10-19,19-32 Soils	17-MAY-2002
PAH-S	PAH - SOIL	17-MAY-2002
VOC-S1	VOC'S P&T GC/MS	22-MAY-2002
VOC-SRR	VOC Surrogate	22-MAY-2002
	Matrix:	Soil
	Sampled on:	9-MAY-2002



ANALYTICAL SERVICES

24-May-02
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BATCH NUMBERS
Form 08093717

	Philip ID:	12028087
	Client ID:	BH02-0
		7-02-4
0004DI02	pH (DI 1:2)	24401980
00250760	Moisture	24401967
Hg-TMS20	Mercury	24201621
ICPMS200	Soil Metals by ICP-MS	24201621
H099-VPH	VH C6-C10	25202546
TEHSN	EPH 10-19,19-32 Soils	25202529
PAH-S	PAH - SOIL	24500922
VOC-S1	VOC'S P&T GC/MS	25202669
VOC-SRR	VOC Surrogate	25202670
	Matrix:	Soil
	Sampled on:	9-MAY-2002



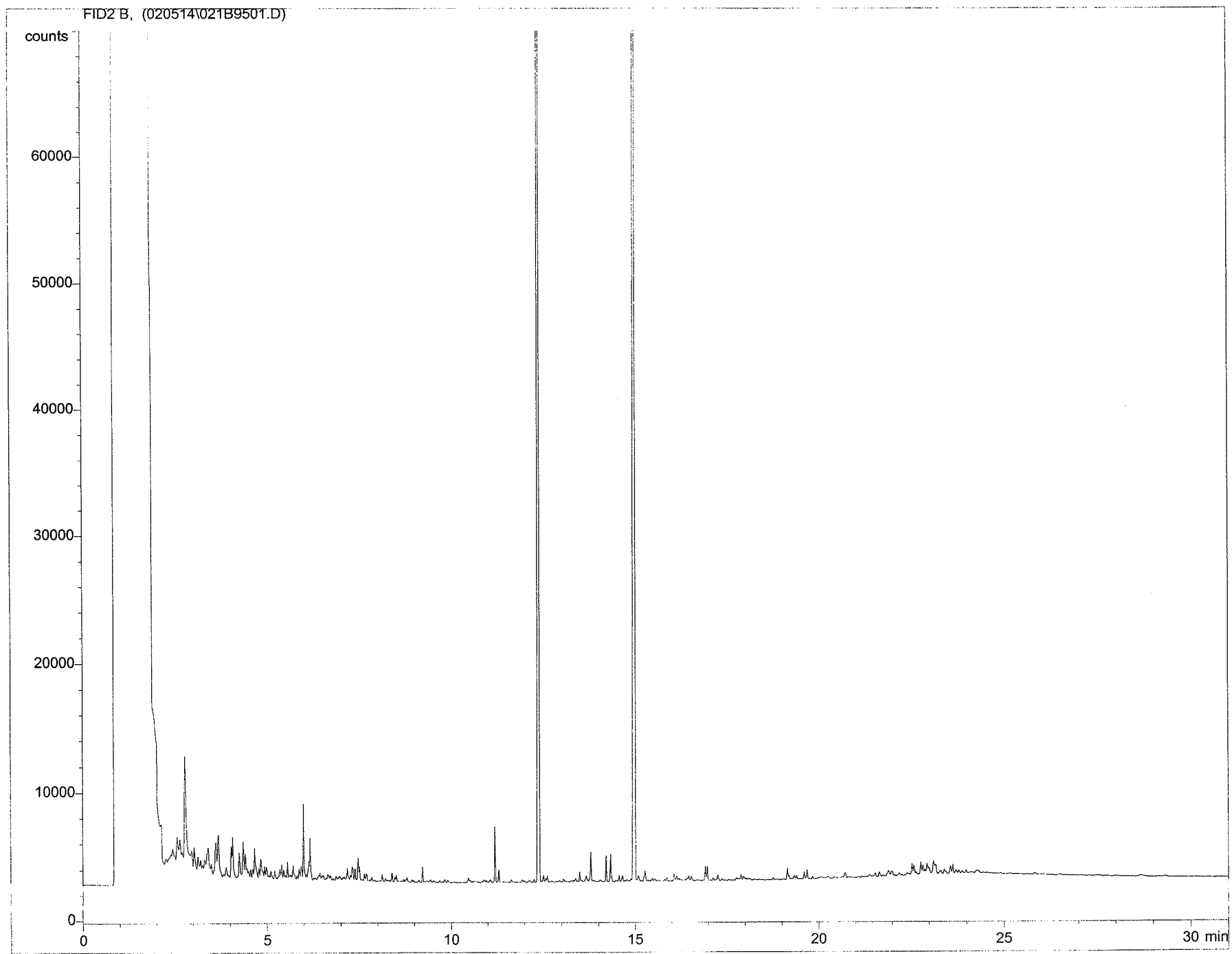
ANALYTICAL SERVICES

24-May-02
Page 11 of 11

BLANK SUMMARY
Form 08093717

All method blanks were less than MDL, except the following:

Parameter	Batch	Sparcode	Blank Conc.	MDL	Unit
Bromomethane	25202669	V903MS12	0.3	0.1	ug/g
Trichlorofluoromethane	25202669	V905MS12	0.11	0.03	ug/g
Dichloromethane	25202669	V907MS12	0.18	0.10	ug/g
Tetrachloroethene	25202669	T030MS12	0.03	0.02	ug/g
1,2-Dichlorobenzene	25202669	V924MS12	0.03	0.03	ug/g
1,3-Dichlorobenzene	25202669	V925MS12	0.05	0.03	ug/g
Chromium	24201621	Cr-TMS20	0.4	0.2	ug/g



*** End of Report ***

SAMPLE INTEGRITY RECORD - The following bottles were received for the below project:

Client: AMC

Date: MAY 15/02

Initial:

C of C # 9093717

		Sample#	
N	1	125ML CLEAR GLASS	
	2		
	3		
	4		
	5	250ML CLEAR GLASS	
	6		
	7		
	8		
	9		
	10	1L AMBER GLASS	
	11		
	12		
		1L CLEAR GLASS	
		1L PLASTIC	
		500ML AMBER GLASS	
		500ML PLASTIC	
		250ML PLASTIC	
		250ML PLASTIC FILTERED	
		250ML PLASTIC HNO ₃	
		250ML PLASTIC FILTER/HNO ₃	
		250ML PLASTIC H ₂ SO ₄	
		250 ML PLASTIC	
		FILTERED/H ₂ SO ₄	
		250 ML PLASTIC NaOH	
		250ML PLASTIC NaOH/ZnAc	
		Microbiology Bottle	
		100ml AMBER GLASS	
		K ₂ CrO ₇ /H ₂ SO ₄	
		40ML AMBER VIALS	
-		PLASTIC BAG <i>(pink)</i>	
		AIR SAMPLE	
		OTHER: _____	
		PRESERVATIVE CHECK	

• Poured off for anions

Sample Submission Compliance List

Item
No:

- | | |
|------|---|
| 1.. | Custody Seal Intact |
| 2.. | Temp >10 degrees C |
| 3.. | Broken Bottle in Transit |
| 4.. | No C of C |
| 5.. | C of C information incomplete |
| 6.. | C of C not signed/dated by consultant |
| 7.. | Non-current C of C |
| 8.. | Bottles listed on C of C; but not in shipment |
| 9.. | Bottles in shipment, but not listed on C of C |
| 10.. | Analysis Requirements absent/not clear |
| 11.. | Labelling Issue (missing and/or incorrect) |
| 12.. | Samples received >5 days after sampling |
| 13.. | Samples received after hold time |
| 14.. | Wrong bottle(s) used |
| 15.. | Incorrect Preservation or Headspace present |
| 16.. | Insufficient # of bottles (no flag by consultant if insufficient sample was available in field) |
| 17.. | Incorrect Task Order No. provided to the lab |
| 18.. | Anomalies _____ |
| 19.. | Insufficient Sample |

Item numbers checked off indicate non-compliance

COMMENTS:



8577 Commerce Court
Burnaby, B.C. V5A 4N5

Phone: (604) 444-4808

Fax: (604) 444-4511

Toll Free: 1-800-440-4808

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST PAGE ____ OF ____

ANALYSIS REQUEST

8093717

[illegible]

TAT (Turnaround Time)

**<5 DAY TAT MUST HAVE
PRIOR APPROVAL**

* some exceptions apply
please contact lab

STANDARD	10 BUSINESS DAYS	<input type="checkbox"/>
STANDARD	5 BUSINESS DAYS	<input type="checkbox"/>
RUSH	2 BUSINESS DAYS	<input type="checkbox"/>
URGENT	1 BUSINESS DAY	<input type="checkbox"/>

OTHER BUSINESS DAYS.

CUSTODY RECORD

P.O. NUMBER / QUOTE NUMBER:

SPECIAL DETECTION LIMITS / CONTAMINANT TYPE

☐ CCME
☒ CSR
☐ ALBERTA TIER 1
☐ OTHER

JARS USED

LAB USE ONLY

ARRIVAL TEMPERATURE °C

LAB INFORMATION

KD

ACCOUNTING CONTACT:

SPECIAL REPORTING OR BILLING INSTRUCTIONS

RELINQUISHED BY SAMPLER:

DATE

[illegible]

RECEIVED BY:

RELINQUISHED BY:

DATE _____

TIME	
------	--

RECEIVED BY:

RELINQUISHED BY:

DATE-

TIME

RECEIVED BY LABORATORY:

ORIGINAL - PSC

YELLOW - PSC

PINK - CLIENT

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: July 23/2002
Date Sampled: July 19/2002
Date of Report: August 12/2002
Page 1 of 2

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43438

Analyst	Date of Analysis (yyyy/mm/d)	Parameter	Reference Method	Lab. No.	02-6383	02-6384	02-6385	02-6386	02-6387	02-6388
				Sample I.D.	AEC 7-B-1	AEC 7-B-2	AEC 7-B-3	AEC 7-B-4	AEC 7-N-1	AEC 7-N-2
				Trifluorotoluene Recovery (%)	89	93	86	86	90	87
				MDL	$\mu\text{g/g}$ (ppm) dry weight					
KL	2002/7/24	Benzene	EPA 5021/BCMWLAP	0.020	0.12	0.053	0.26	1.3	0.16	0.15
KL	2002/7/24	Toluene	EPA 5021/BCMWLAP	0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
KL	2002/7/24	Ethylbenzene	EPA 5021/BCMWLAP	0.020	0.049	<0.020	0.12	<0.020	0.040	0.054
KL	2002/7/24	Xylenes	EPA 5021/BCMWLAP	0.030	0.48	0.053	0.96	<0.030	0.41	1.2
KL	2002/7/24	VPH (C ₆ - C ₁₀)	VH-BTEX	1.5	<1.5	<1.5	<1.5	<1.5	<1.5	2.3
KL	2002/7/24	Moisture	%		26.9	23.9	26.7	22.7	25.8	23.6

MDL: Method detection limit

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, Analytical Methods v2.1, 1999.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

VPH - Volatile Petroleum Hydrocarbons (VH with BTEX subtracted)

VH- Volatile Hydrocarbons

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: July 23/2002
Date Sampled: July 19/2002
Date of Report: August 12/2002
Page 2 of 2

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43438

Analyst	Date of Analysis (yyyy/mm/d)	Parameter	Reference Method	Lab. No.	02-6389	02-6390	02-6391	02-6392	02-6393	02-6394	02-6394
				Sample I.D.	AEC 7-S-1	AEC 7-E-1	AEC 7-E-2	AEC 7-W-1	AEC 7-W-2	AEC 7-W-3	AEC 7-W-3 Lab Duplicate
				Trifluorotoluene Recovery (%)	89	86	88	90	94	99	98
				MDL	$\mu\text{g/g}$ (ppm) dry weight						
KL	2002/7/24	Benzene	EPA 5021/BCMWLAP	0.020	<0.020	0.37	<0.020	0.27	2.3	<0.020	<0.020
KL	2002/7/24	Toluene	EPA 5021/BCMWLAP	0.030	<0.030	<0.030	<0.030	<0.030	0.055	<0.030	<0.030
KL	2002/7/24	Ethylbenzene	EPA 5021/BCMWLAP	0.020	<0.020	<0.020	<0.020	0.20	<0.020	<0.020	<0.020
KL	2002/7/24	Xylenes	EPA 5021/BCMWLAP	0.030	0.038	0.098	0.040	1.0	0.061	<0.030	<0.030
KL	2002/7/24	VPH (C ₆ - C ₁₀)	VH-BTEX	1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
KL	2002/7/24	Moisture	%		22.0	23.8	15.7	19.0	26.6	17.4	19.9

MDL: Method detection limit

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, Analytical Methods v2.1, 1999.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

VPH -Volatile Petroleum Hydrocarbons (VH with BTEX subtracted)

VH- Volatile Hydrocarbons

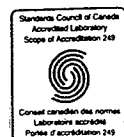
Report reviewed by:

for 
James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

AMEC Earth Environmental Limited has been certified by the Canadian Association for Environmental Analytical Laboratories (CAEAL) Inc. for specific tests registered with the Association.

**All samples will be disposed after 30 days following analysis. Please contact the lab if you require additional sample storage time. (Samples deemed hazardous will be returned to the client at their own expense or disposal will be arranged) **



ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: July 25/2002
Date Sampled: July 24/2002
Date of Report: August 17/2002
Page 1 of 3

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43466

Analyst	Date of Analysis (yyyy/mm/d)	Parameter	Reference Method	Lab. No.	02-6530	02-6531	02-6532	02-6533	02-6534	02-6535
				Sample I.D.	SP02-S1-01	SP02-S1-02	SP02-S1-03	SP02-S2-01	SP02-S2-02	SP02-S3-01
				Trifluorotoluene Recovery(%)	91	88	88	85	94	83
				MDL	µg/g (ppm) dry weight					
KL	2002/7/26	Benzene	EPA 5021/BCMWLAP	0.020	0.043	0.084	0.044	<0.020	<0.020	<0.020
KL	2002/7/26	Toluene	EPA 5021/BCMWLAP	0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
KL	2002/7/26	Ethylbenzene	EPA 5021/BCMWLAP	0.020	0.043	0.021	<0.020	<0.020	<0.020	<0.020
KL	2002/7/26	Xylenes	EPA 5021/BCMWLAP	0.030	0.086	0.20	0.049	<0.030	<0.030	<0.030
KL	2002/7/26	VPH (C ₆ - C ₁₀)	VH-BTEX	1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
KL	2002/7/26	Moisture	%		42.7	26.4	28.0	11.9	8.2	22.7

MDL: Method detection limit

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, Analytical Methods v2.1, 1999.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

VPH -Volatile Petroleum Hydrocarbons (VH with BTEX subtracted)

VH- Volatile Hydrocarbons

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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: July 25/2002
Date Sampled: July 24/2002
Date of Report: August 17/2002
Page 2 of 3

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43466

Analyst	Date of Analysis (yyyy/mm/d)	Parameter	Reference Method	Lab. No.	02-6536	02-6537	02-6538	02-6539	02-6540	02-6541
				Sample I.D.	SP02-S3-02	SP02-S4-01	SP02-S4-02	SP02-S5-01	SP02-S5-02	SP02-S5-03
				Trifluorotoluene Recovery(%)	80	87	78	84	86	83
				MDL	µg/g (ppm) dry weight					
KL	2002/7/26	Benzene	EPA 5021/BCMWLAP	0.020	<0.020	<0.020	0.074	0.079	0.11	0.12
KL	2002/7/26	Toluene	EPA 5021/BCMWLAP	0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
KL	2002/7/26	Ethylbenzene	EPA 5021/BCMWLAP	0.020	<0.020	0.041	0.049	0.055	0.099	0.064
KL	2002/7/26	Xylenes	EPA 5021/BCMWLAP	0.030	<0.030	0.092	0.090	0.28	0.78	0.30
KL	2002/7/26	VPH (C ₆ - C ₁₀)	VH-BTEX	1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
KL	2002/7/26	Moisture	%		25.6	38.8	48.2	30.9	25.7	40.3

MDL: Method detection limit

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, Analytical Methods v2.1, 1999.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

VPH -Volatile Petroleum Hydrocarbons (VH with BTEX subtracted)

VH- Volatile Hydrocarbons

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: July 25/2002
Date Sampled: July 24/2002
Date of Report: August 17/2002
Page 3 of 3

SOIL ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43466

Analyst	Date of Analysis (yyyy/mm/d)	Parameter	Reference Method	Lab. No.	02-6542	02-6543	02-6544	02-6545	02-6546	02-6546
				Sample I.D.	SP02-S6-01	SP02-S6-02	SP02-S6-03	SP02-S7-01	SP02-S7-02	SP02-S7-02 Lab duplicate
				Trifluorotoluene Recovery(%)	85	94	84	85	81	74
				MDL	$\mu\text{g/g (ppm) dry weight}$					
KL	2002/7/26	Benzene	EPA 5021/BCMWLAP	0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
KL	2002/7/26	Toluene	EPA 5021/BCMWLAP	0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
KL	2002/7/26	Ethylbenzene	EPA 5021/BCMWLAP	0.020	<0.020	<0.020	<0.020	<0.020	<0.020	<0.020
KL	2002/7/26	Xylenes	EPA 5021/BCMWLAP	0.030	<0.030	<0.030	<0.030	<0.030	<0.030	<0.030
KL	2002/7/26	VPH (C ₆ - C ₁₀)	VH-BTEX	1.5	<1.5	<1.5	<1.5	<1.5	<1.5	<1.5
KL	2002/7/26	Moisture	%		6.2	4.9	5.3	6.0	7.8	6.6

MDL: Method detection limit

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, Analytical Methods v2.1, 1999.

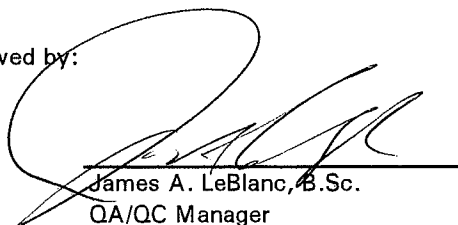
EPA: U.S. Environmental Protection Agency, 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

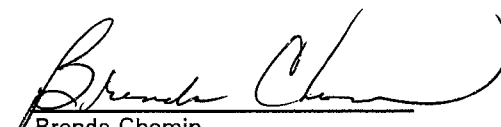
Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

VPH -Volatile Petroleum Hydrocarbons (VH with BTEX subtracted)

VH- Volatile Hydrocarbons

Report reviewed by:


James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

ANALYTICAL REPORT

AMEC Earth & Environmental Ltd
2227 Douglas Road
Burnaby, BC V5C 5A9

Date Received: 2003/05/21
Date Sampled: 2003/05/20
Date of Report: 2003/06/02

Soil Analysis - Polycyclic Aromatic Hydrocarbons

Attention: Taylor, Chad

Project No. VE51267

File No.: EC-44923

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	03-4151 SP03-12-01	03-4152 SP03-12-02	03-4153 SP03-12-03	03-4154 SP03-12-04
LN	2003/05/21	Benzo(a)anthracene	µg/g (ppm)	EPA 3550/8270C	0.1	2.1	< 0.1	< 0.1	0.8
LN	2003/05/21	Benzo(a)pyrene	µg/g (ppm)	EPA 3550/8270C	0.05	1.6	< 0.05	< 0.05	0.56
LN	2003/05/21	Benzo(b)fluoranthene	µg/g (ppm)	EPA 3550/8270C	0.1	2.0	< 0.1	< 0.1	0.7
LN	2003/05/21	Benzo(k)fluoranthene	µg/g (ppm)	EPA 3550/8270C	0.05	1.2	< 0.05	< 0.05	0.35
LN	2003/05/21	Dibenzo(a,h)anthracene	µg/g (ppm)	EPA 3550/8270C	0.1	0.2	< 0.1	< 0.1	< 0.1
LN	2003/05/21	Indeno(1,2,3-cd)pyrene	µg/g (ppm)	EPA 3550/8270C	0.1	0.8	< 0.1	< 0.1	0.3
LN	2003/05/21	Naphthalene	µg/g (ppm)	EPA 3550/8270C	0.05	0.06	0.05	0.41	0.06
LN	2003/05/21	Phenanthrene	µg/g (ppm)	EPA 3550/8270C	0.05	1.0	< 0.05	< 0.05	0.79
LN	2003/05/21	Pyrene	µg/g (ppm)	EPA 3550/8270C	0.05	4.2	< 0.05	< 0.05	1.4
LN	2003/05/21	Surrogate 1 Recovery	%	-	0.1	68.0	-	85.7	65.1
LN	2003/05/21	Surrogate 2 Recovery	%	-	0.1	94.6	75.2	94.5	84.0

All Analytical results pertain to samples analyzed as received.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III. Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

MDL - Method Detection Limit

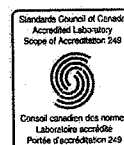
Report reviewed by:

James A. LeBlanc
James A. LeBlanc, B.Sc., P.Chem.
QA/QC Manager
Laboratory Services

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Brenda Chomin
Brenda Chomin, P.Chem.
Manager
Laboratory Services



ANALYTICAL REPORT

AMEC Earth & Environmental Ltd
2227 Douglas Road
Burnaby, BC V5C 5A9

Date of Report: 2003/06/02

Quality Control Standard

Attention: Taylor, Chad

Project No. VE51267

File No.: EC-44923

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	Reference Method	MDL	Analyzed Value	Advisory Range	Target Value	Reference No.
LN	2003/05/21	Benzo(b)fluoranthene	µg/g (ppm)	EPA 3550/8270C	0.1	1.9	1.46-4.98	3.89	ERA720-362
LN	2003/05/21	Naphthalene	µg/g (ppm)	EPA 3550/8270C	0.05	0.45	0.05-1.28	1.09	ERA720-362
LN	2003/05/21	Phenanthrene	µg/g (ppm)	EPA 3550/8270C	0.05	3.4	2.60-7.23	5.83	ERA720-362
LN	2003/05/21	Pyrene	µg/g (ppm)	EPA 3550/8270C	0.05	4.2	2.40-10.4	7.48	ERA720-362

All Analytical results pertain to samples analyzed as received.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III. Office Solid Waste Emergency Response, U.S. Environmental Agency, Washington, D.C.

MDL - Method Detection Limit

Report reviewed by:

Marie England
James A. LeBlanc, B.Sc., P.Chem.
QA/QC Manager
Laboratory Services

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Brenda Chomin
Brenda Chomin, P.Chem.
Manager
Laboratory Services



APPENDIX F

**GROUNDWATER CHAIN-OF-CUSTODY RECORD
AND
LABORATORY ANALYTICAL REPORTS**



Vancouver Environmental

EC43042
13781
36

Chain of Custody Record/Analysis Request

Project Name:	VE BCGas Boundary & Leached	Job No.:	VE51267
Project Manager:	C. Taylor	Phone #:	(604) 294-3811
Sampler:	K. Faubert		

[illegible]

RELINQUISHED BY: SAMPLER	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:	COMMENTS:
Signature: <i>K. Faubert</i>	Signature:	Signature:	Signature:	
Printed Name: <i>Kim Faubert</i>	Printed Name: RECEIVED:	Printed Name:	Printed Name:	
Firm: <i>AMEC-VAN 2227 Don Mills Rd.</i>	Firm: <i>05-24-2002</i>	Firm:	Firm:	
Date/Time: <i>23/05/02 09:00</i>	Date/Time: <i>23/05/02 09:00</i>	Date/Time:	Date/Time:	

- All samples are unpreserved.
 - Please filter metal samples
 - BH02-07-04 duplicate
 Time 15:00

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator; GOLDENROD - to lab in advance

Page _____ of _____



EC 43242
13463
26.

Chain of Custody Record/Analysis Request

Project Name:	Boundary & Longnead Highway	Job No.:	VE51267
Project Manager:	C. Taylor	Phone #:	(604) 794-3811
Sampler:	K. Fairbairn		

[illegible]

RELINQUISHED BY: SAMPLER	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:	COMMENTS:
Signature: <i>Kim Faubert</i>	Signature: RECEIVED:	Signature:	Signature:	
Printed Name: <i>Kim Faubert</i>	Printed Name: -06- 21 2002	Printed Name:	Printed Name:	
Firm: AMEC	Firm: AEE-EDMONTON	Firm:	Firm:	
Date/Time: <i>20 June 02 13:07</i>	Date/Time:	Date/Time:	Date/Time:	



ISSUING OFFICE:

ANEC - Burnaby, BC

LC43619

14744

37

Chain of Custody Record/Analysis Request

Project Name: BC Gas/Boundary & Longheed	Job No.: NES1267
Project Manager: C. Taylor	Phone #: (604) 294-3811
Sampler: R. Furbush	

[illegible]

RELINQUISHED BY SAMPLER	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:	COMMENTS:
Signature: <i>K. faubert</i>	Signature:	Signature:	Signature:	
Printed Name: <i>Kim faubert</i>	Printed Name:	Printed Name:	Printed Name:	
Firm: <i>AEE</i>	Firm:	Firm:	Firm:	
Date/Time: <i>27 Aug 02 14:00</i>	Date/Time:	Date/Time:	Date/Time:	



EARTH & ENVIRONMENTAL 14654

ISSUING OFFICE:

AMEC - Burnaby, BC

Project Name: BC Gas / Boundary & Longhead

Job No.: VE51767

Project Manager: C. Taylor

Phone #: (604) 294-3811

Sampler: K. Frankel

[illegible]

RELINQUISHED BY SAMPLER	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:	COMMENTS:
Signature: <i>[Signature]</i>	Signature: RECEIVED.	Signature:	Signature:	
Printed Name: <i>Kim Faubert</i>	Printed Name: -08- 28 2002	Printed Name:	Printed Name:	
Firm: <i>AMEC</i>	Firm: AEE-EDMONTON	Firm:	Firm:	
Date/Time: <i>27 Aug 03 14:00</i>	Date/Time:	Date/Time:	Date/Time:	

BH02-12-06 is a
field duplicate of
BH02-12-01

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator; GOLDENROD - to lab in advance

Page _____ of _____

Chain of Custody Record/Analysis Request



EARTH & ENVIRONMENTAL

EC 13643
14753

Chain of Custody Record/Analysis Request

ISSUING OFFICE:

Vancouver - Burraby AMEE 0

Project Name:

BC Gas Burundony & Lougheed

Job No.:

V51267

Project Manager:

C. Taylor

Phone #:

(604) 794-3811

Sampler:

K. Faubert

Client
Sample IDAMEC E & E
Lab Sample IDDate
CollectedMatrix (S=soil,
W=water, A=air)

1L Bottle

250 mL Jar

40 mL Vial

1L Polyethylene

- 500 mL Jar

X PAHS

Analysis Requested: (write preferred method in box)

QUOTED PRICE

☐ YES ☐ NOIf Yes, Please
attach a copy
of quote.

50% Rush (Please Notify Lab)

100% Rush (Please Notify Lab)

Receiver's Comments

AEC #7 HOLDING TANK 7504 4 Sept 02 W

RELINQUISHED BY SAMPLER

Signature:

K. Faubert

Printed Name:

K. Faubert

Firm:

AMEE

Date/Time:

4 Sept 02 1:50 pm

RECEIVED BY:

Signature:

RECEIVED:

Printed Name:

-09- -5 2002

Firm:

AMEE-EDMONTON

Date/Time:

RELINQUISHED BY:

Signature:

Printed Name:

Firm:

Date/Time:

RECEIVED BY:

Signature:

Printed Name:

Firm:

Date/Time:

COMMENTS:



EARTH & ENVIRONMENTAL

EC 44165
14774

Chain of Custody Record/Analysis Request

5.5.

ISSUING OFFICE:

Vancouver Environmental-113037

Project Name:

Job No.:

VES1267

Project Manager:

C. Taylor

Phone #:

(604) 294-3811

Sampler:

C. Pelt

Client Sample ID	AMEC E & E Lab Sample ID	Date Collected	Matrix (S=soil, W=water, A=air)	1L Bottle	250 mL Jar	40 mL Vial	1L Polyethylene	Analysis Requested: (write preferred method in box)	50% Rush (Please Notify Lab)	100% Rush (Please Notify Lab)
BH02-12-01	11874	27/11/02	1340	✓	✓	✓	✓	PAH		
BH02-12-02	75	✓	14	✓	✓	✓	✓	✓		
BH02-12-03	76	✓	1410	✓	✓	✓	✓	✓		
BH02-12-04	77	✓	1420	✓	✓	✓	✓	✓		
BH02-12-05	78	✓	1430	✓	✓	✓	✓	✓		
BH02-12-06	79	✓	1350	✓	✓	✓	✓	✓		
BH02-12-07	80	✓	1340	✓	✓	✓	✓	✓		
BH02-12-01 Filtered	81									

QUOTED PRICE

1.7

☐ YES ☐ NO

If Yes, Please attach a copy of quote.

Receiver's Comments

Sample 01,
04, 04, 05,
06,
(lids cracked).

RELINQUISHED BY SAMPLER	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:	COMMENTS:
Signature:	Signature:	Signature:	Signature:	Please filter one (1) bottle of sample BH02-12-01 and analyze as requested. Note that sample BH02-12-07 is a field duplicate of BH02-12-01 (unfiltered).
Printed Name: Chris Pelt	Printed Name: RECEIVED:	Printed Name:	Printed Name:	
Firm: AMEC	Firm: -11- 29 2002	Firm:	Firm:	
Date/Time: 27/11/02	Date/Time: AEE-EDMONTON	Date/Time:	Date/Time:	

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator; GOLDENROD - to lab in advance

Page 1 of 1



ISSUING OFFICE:

Burnaby-Environmental-AMC 1130 17.

EC 44397

Chain of Custody Record/Analysis Request

1.8

Project Name:	Job No.: V651267
Project Manager: C. Taylor	Phone #: (604) 794-3811
Sampler: R. Frankel	

[illegible]

RELINQUISHED BY: SAMPLER	RECEIVED BY:	RELINQUISHED BY:	RECEIVED BY:	COMMENTS:
Signature: <i>K. Faubert</i>	Signature:	Signature:	Signature:	
Printed Name: <i>K. Faubert</i>	Printed Name: RECEIVED:	Printed Name:	Printed Name:	
Firm: <i>ANCE</i>	Firm: 01-23-2003	Firm:	Firm:	
Date/Time: <i>22 Jun 03 12:00</i>	Date/Time: AEE-EDMONTON	Date/Time:	Date/Time:	

Please filter one (1) bottle for each sample and analyze both filtered and unfiltered samples for each location for PAHs

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator; GOLDENROD - to lab in advance

Page 1 of 1



AMEC Earth and Environmental (Burnaby) 28

Job No.: VE57267

Phone #: (604) 294-3811

Sampler: Lindsay Connick

☐ YES ☐ NO

If Yes, Please
attach a copy
of quote.

COMMENTS:

We only require a Regular Turn Around Time.

Note that BH03-12-02 is a field duplicate of BH03-12-01



Phone #: (604) 294-3811

Chain of Custody Record/Analysis Request 45

Analysis Requested: (write preferred method in box)

QUOTED PRICE

☐ YES ☐ NO

If Yes, Please
attach a copy
of quote.

Client
Sample ID

AMEC E & E
Lab Sample ID

Date Collected

Matrix (S=soil,
W=water, A=air)

1L Bottle

250 mL Jar

40 mL Vial

1L Polyethylene

BH03-12-01

~~6379~~

11 July 2003

W	2
---	---

PAHS	
------	--

50% Rush (Please Notify Lab)

100% Rush (Please Notify Lab)

Receiver's Comments

RELINQUISHED BY SAMPLER

Signature: Lindsay Connick

Printed Name: Lindsay Connick

Firm: AMEC (Burnaby)

Date/Time: 14 July 2003 / 8:00 am

RECEIVED BY:

Signature: _____

Printed Name: 2005-1-10

Firm: USM EJJD

Date/Time:

RELINQUISHED BY:

Signature: _____

Printed Name: _____

Firm:

Date/Time:

RECEIVED BY:

Signature: _____

Printed Name: _____

Firm: _____

Date/Time:

COMMENTS:

DISTRIBUTION: WHITE - return to originator; YELLOW - lab; PINK - retained by originator; GOLDENROD - to lab in advance

4810 - 93 Street
Edmonton, Alberta
Canada T6E 5M4
Tel: (780) 436-2152
Fax: (780) 435-8425



ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 24/2002
Date Sampled: May 22/2002
Date of Report: June 3/2002
Report Revised: June 5/2002
Page 1 of 2

WATER ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43042

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Reference Method	Lab. No.	02-3821	02-3822	02-3823	02-3827
				Sample I.D.	BH02-27-01	BH02-17-01	BH02-10-01	BH02-23-01
				MDL	mg/L (ppm)			
ME	2002/5/27	Benzene	EPA 5030B/BCMVLAP	0.001	<0.001	--	--	<0.001
ME	2002/5/27	Toluene	EPA 5030B/BCMVLAP	0.001	<0.001	--	--	<0.001
ME	2002/5/27	Ethylbenzene	EPA 5030B/BCMVLAP	0.001	<0.001	--	--	<0.001
ME	2002/5/27	Xylenes	EPA 5030B/BCMVLAP	0.001	<0.001	--	--	<0.001
ME	2002/5/27	VPH (C ₆ - C ₁₀)	VH-BTEX	0.010	<0.010	--	--	<0.010
RP/KL	2002/5/27	EPH (C ₁₀ -C ₁₉)	EPA 3510/BCMVLAP	0.030	<0.030	0.10	0.067	<0.030
RP/KL	2002/5/27	EPH (C ₁₉ -C ₃₂)	EPA 3510/BCMVLAP	0.030	<0.030	0.090	0.21	0.040
ME/KL	2002/5/27	LEPH (C ₁₀ -C ₁₉)	EPA 3510/BCMVLAP	0.030	<0.030	0.10	0.067	<0.030
ME/KL	2002/5/27	HEPH (C ₁₉ -C ₃₂)	EPA 3510/BCMVLAP	0.030	<0.030	0.090	0.210	0.040

MDL: Method Detection Limit

BCMVLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, Analytical Methods v2.1, 1999.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

VPH -Volatile Petroleum Hydrocarbons

EPH: Extractable Petroleum Hydrocarbon - not corrected for PAH content.

VH- Volatile Hydrocarbons

LEPH: Light Extractable Petroleum Hydrocarbons - corrected for PAH content.

HEPH: Heavy Extractable Petroleum Hydrocarbons - corrected for PAH content.

AMEC Earth Environmental Limited has been certified by the Canadian Association for Environmental Analytical Laboratories (CAEAL) Inc. for specific tests registered with the Association.
**All samples will be disposed after 30 days following analysis. Please contact the lab if you require additional sample storage time. (Samples deemed hazardous will be returned to the client at their own expense or disposal will be arranged). **



4810 - 93 Street
Edmonton, Alberta
Canada T6E 5M4
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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 24/2002
Date Sampled: May 22/2002
Date of Report: June 3/2002
Report Revised: June 5/2002
Page 2 of 2

WATER ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43042

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Reference Method	Lab. No.	02-3828	02-3829	02-3830	02-3831
				Sample I.D.	BH02-07-02	BH02-07-03	BH02-07-04	BH02-07-05
					*		*	
				MDL	mg/L (ppm)			
ME	2002/5/27	Benzene	EPA 5030B/BCMWLAP	0.001	0.13	<0.001	0.20	<0.001
ME	2002/5/27	Toluene	EPA 5030B/BCMWLAP	0.001	0.005	<0.001	0.006	<0.001
ME	2002/5/27	Ethylbenzene	EPA 5030B/BCMWLAP	0.001	0.020	<0.001	0.033	<0.001
ME	2002/5/27	Xylenes	EPA 5030B/BCMWLAP	0.001	0.067	<0.001	0.11	<0.001
ME	2002/5/27	VPH (C ₆ - C ₁₀)	VH-BTEX	0.010	0.710	<0.010	1.1	<0.010
RP/KL	2002/5/27	EPH (C ₁₀ -C ₁₉)	EPA 3510/BCMWLAP	0.030	0.18	0.035	0.57	<0.030
RP/KL	2002/5/27	EPH (C ₁₉ -C ₃₂)	EPA 3510/BCMWLAP	0.030	<0.030	0.051	0.12	<0.030
ME/KL	2002/5/27	LEPH (C ₁₀ -C ₁₉)	EPA 3510/BCMWLAP	0.030	0.179	0.035	0.569	<0.030
ME/KL	2002/5/27	HEPH (C ₁₉ -C ₃₂)	EPA 3510/BCMWLAP	0.030	<0.030	0.051	0.119	<0.030

MDL: Method Detection Limit

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, Analytical Methods v2.1, 1999.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

VPH - Volatile Petroleum Hydrocarbons

EPH: Extractable Petroleum Hydrocarbon - not corrected for PAH content.

VH- Volatile Hydrocarbons

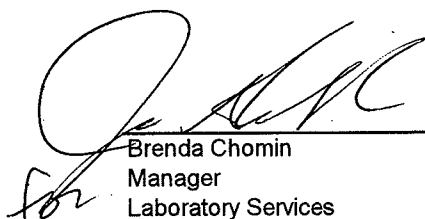
LEPH: Light Extractable Petroleum Hydrocarbons - corrected for PAH content.

HEPH: Heavy Extractable Petroleum Hydrocarbons - corrected for PAH content.

* Analysis performed by headspace analyzer due to interference from high hydrocarbon content sample.

Report reviewed by:


for James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

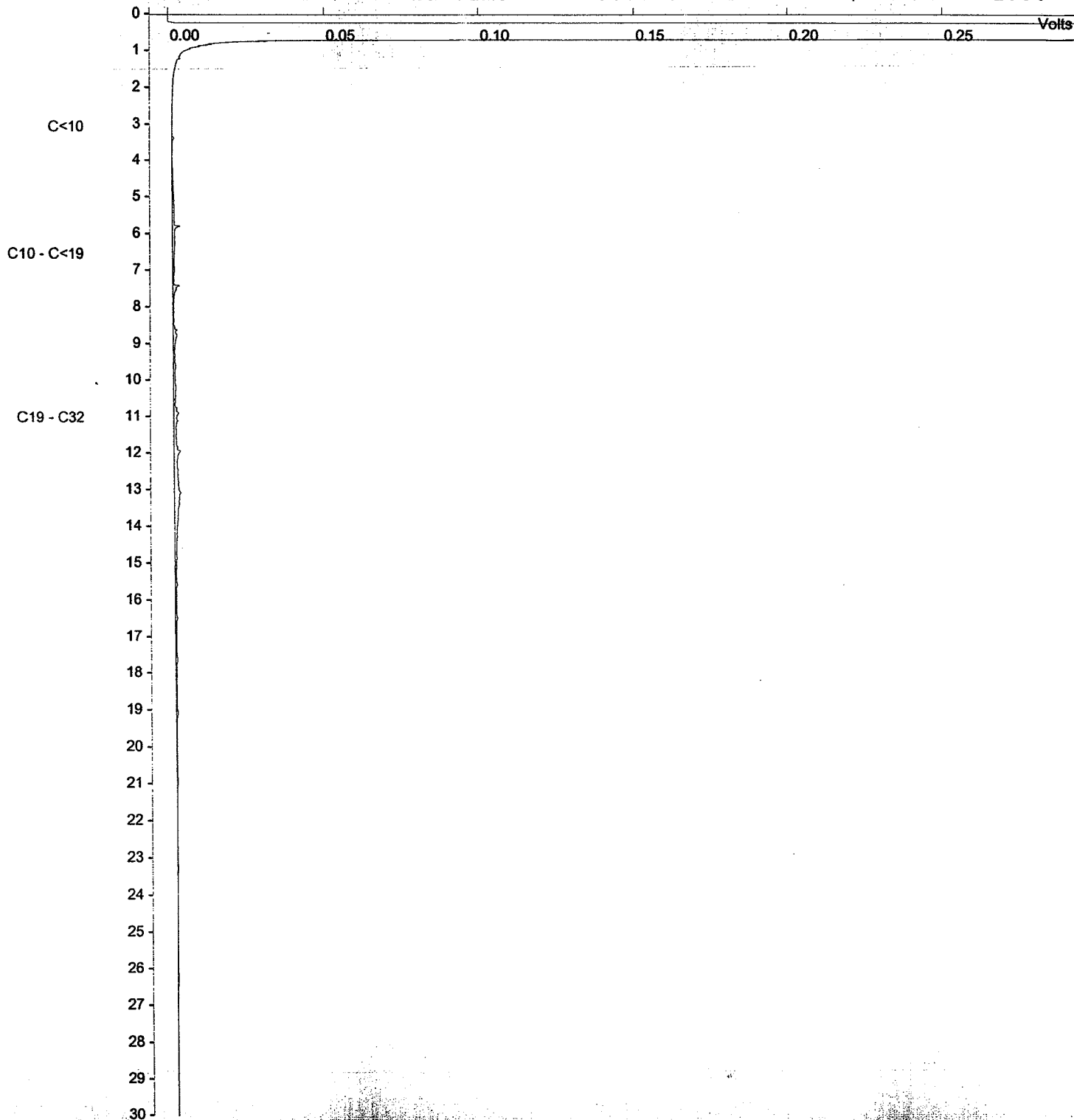
Title : Extractable Petroleum Hydrocarbons
Run File : c:\star\data\kelvin syh\5-28-02-1;08:21 pm--3821.run
Method File : c:\star\tpn-bc-epb-02-04-29.mth
Sample ID : 3821

Injection Date: 5/28/02 1:08 PM Calculation Date: 5/29/02 4:50 PM

Operator : Kelvin Tien Detector Type: ADGB (1 Volt)
Workstation: TSP Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 1228 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



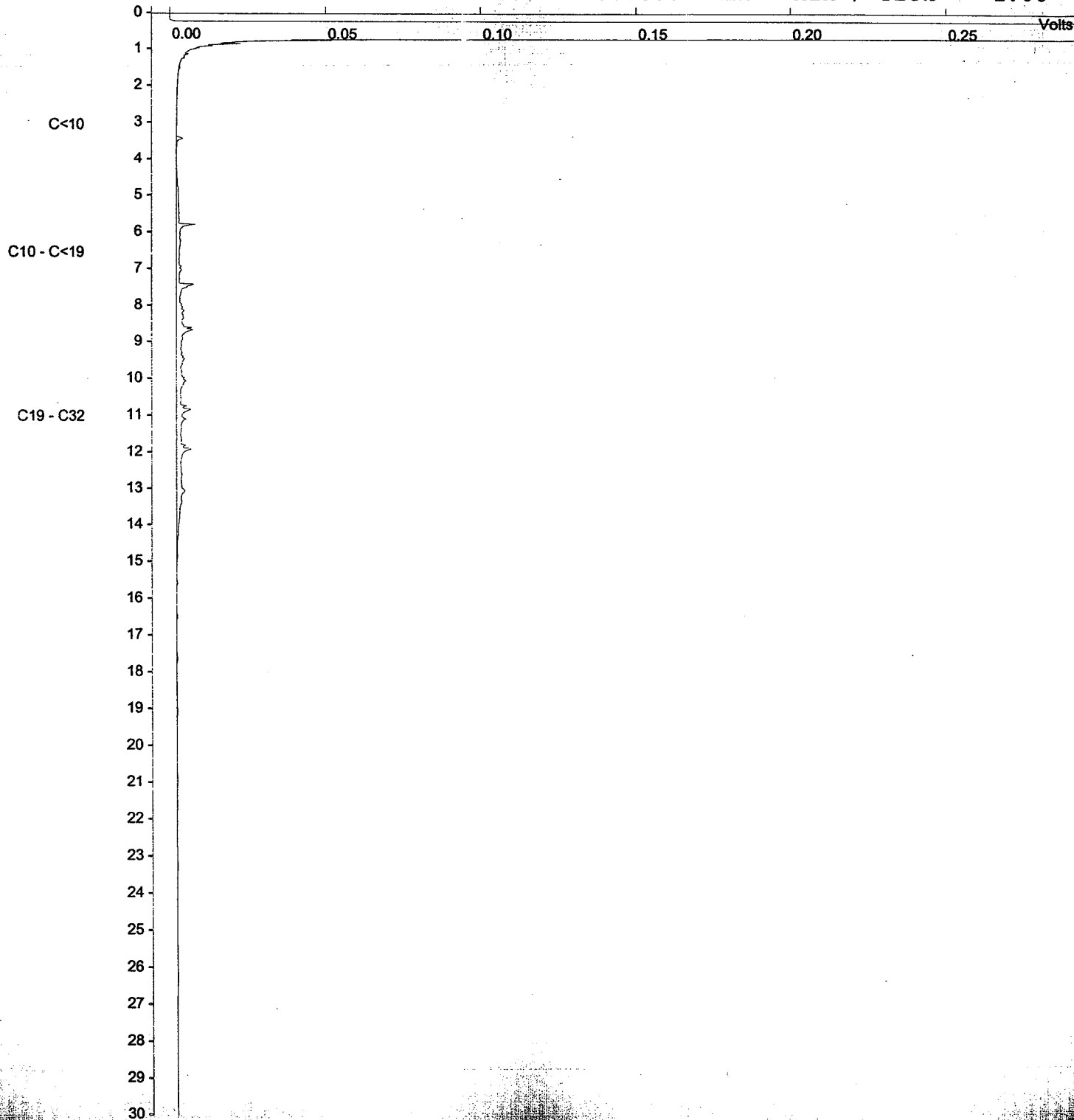
Title : Extractable Petroleum Hydrocarbons
Run File : c:\star\data\kelvin sv\5-28-02-2:01:58 pm--3822.run
Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3822

Injection Date: 5/28/02 2:01 PM Calculation Date: 5/29/02 4:50 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 1222 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



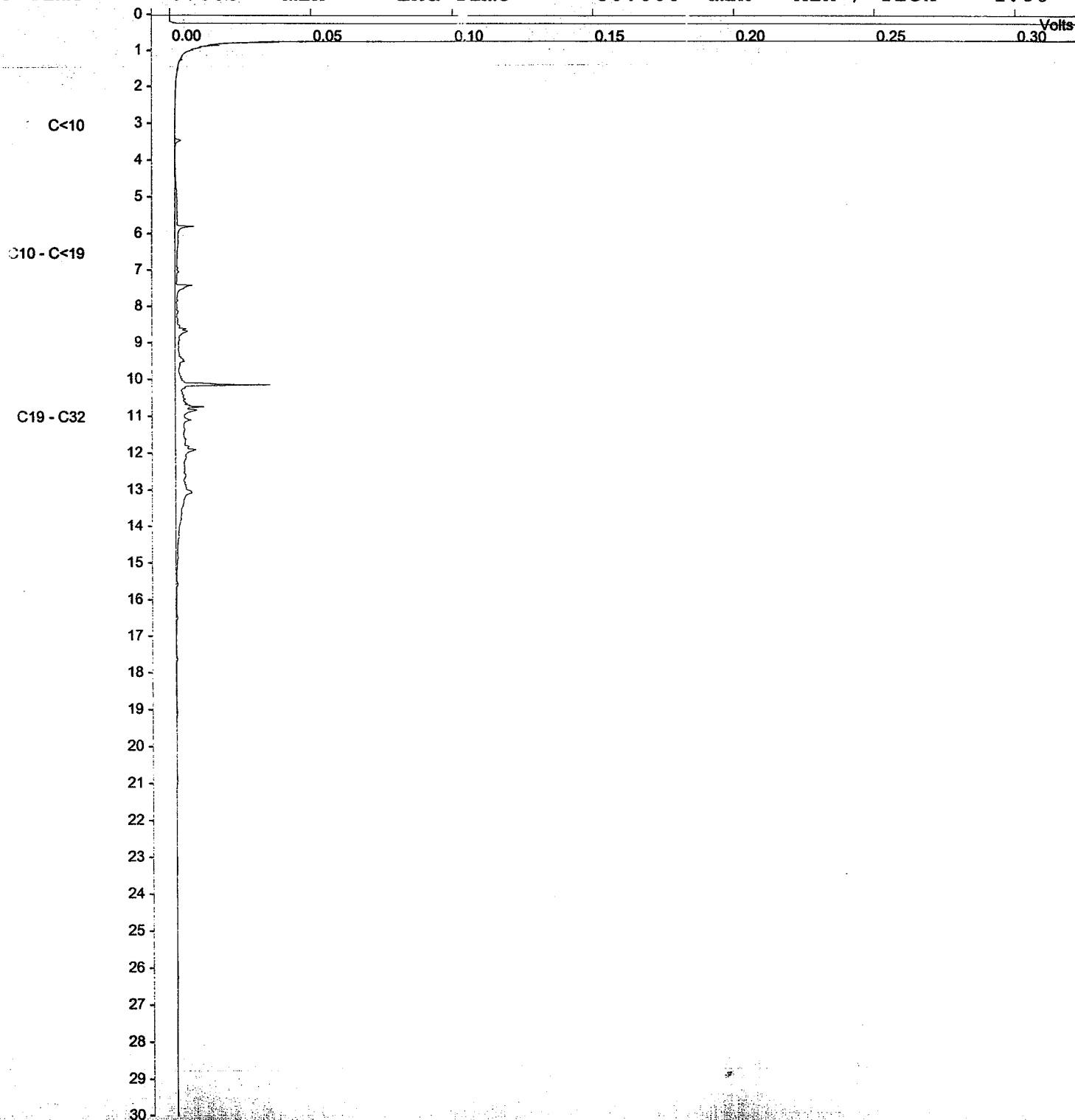
Title : Extractable Petroleum Hydrocarbons
Run File : c:\star\data\kelvin svh\5-28-02-2:53:14 pm-3823.run
Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3823

Injection Date: 5/28/02 2:53 PM Calculation Date: 5/29/02 4:50 PM

Operator : Kelvin Tien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 1347 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



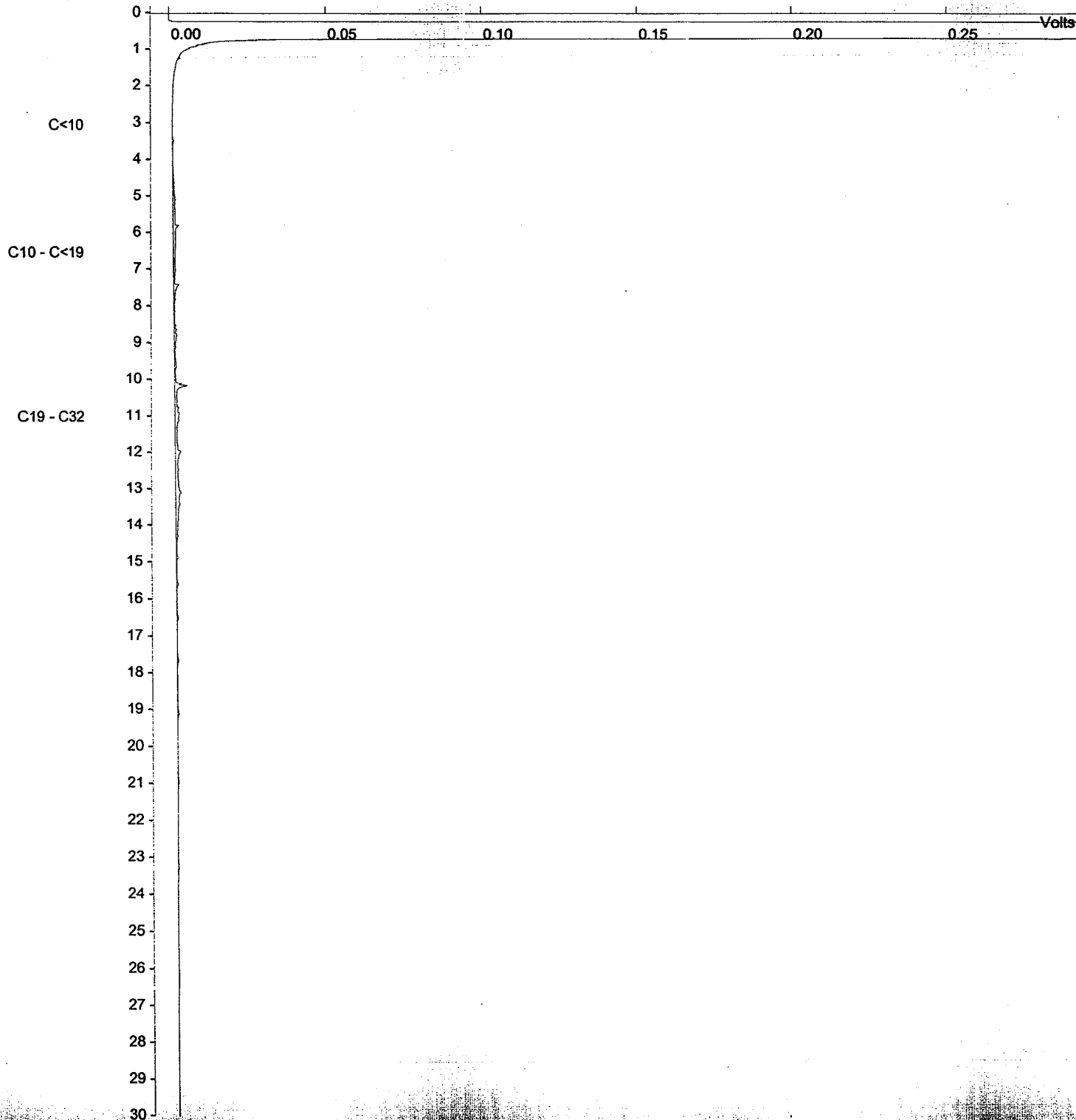
Title : Extractable Petroleum Hydrocarbons
Run File : c:\star\data\kelvin\5-28-02-3;43;02 pm--3826.run
Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3826

Injection Date: 5/28/02 3:43 PM Calculation Date: 5/29/02 4:50 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 1222 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



Title : Extractable Petroleum Hydrocarbons
Run File : c:\star\data\kelvin svh\5-28-02-4;31;51 pm-3827.run
Method File : c:\star\uph-bo-eph-02-04-29.mth
Sample ID : 3827

Injection Date: 5/28/02 4:31 PM Calculation Date: 5/29/02 4:50 PM

Operator : Kelvin Iien Detector Type: ADCB (1 Volt)

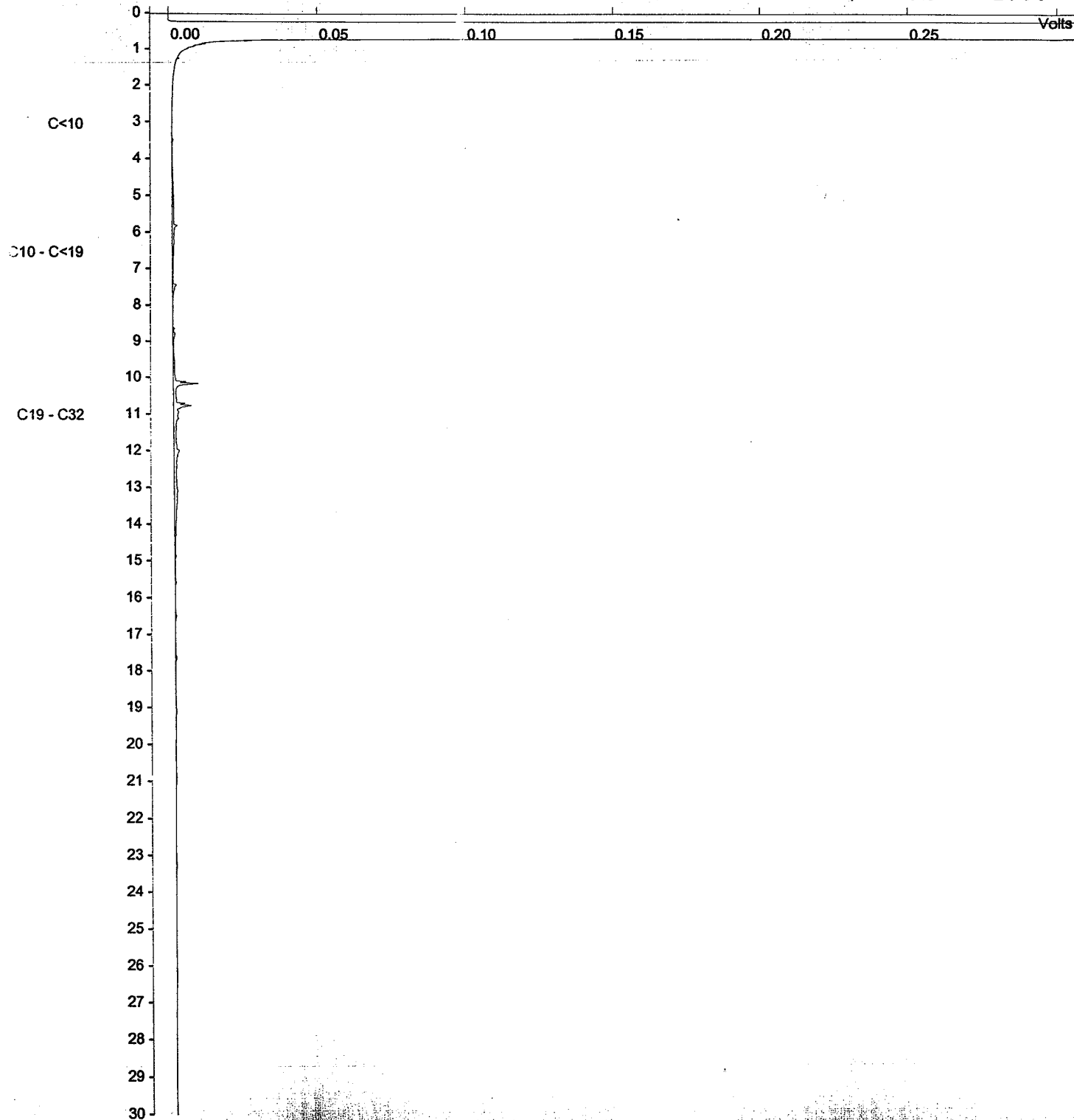
Workstation: LSH Bus Address : 16

Instrument : Varian Star #1 Sample Rate : 10.00 Hz

Channel : A = ETD Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 1283 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



Title : Extractable Petroleum Hydrocarbons
Run File : c:\star\data\kelvin sy\5-28-02-5:21:02 pm--3828.run
Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3828

Injection Date: 5/28/02 5:21 PM Calculation Date: 5/29/02 5:04 PM

Operator : Kelvin Lien Detector Type: ADCB (1 Volt)

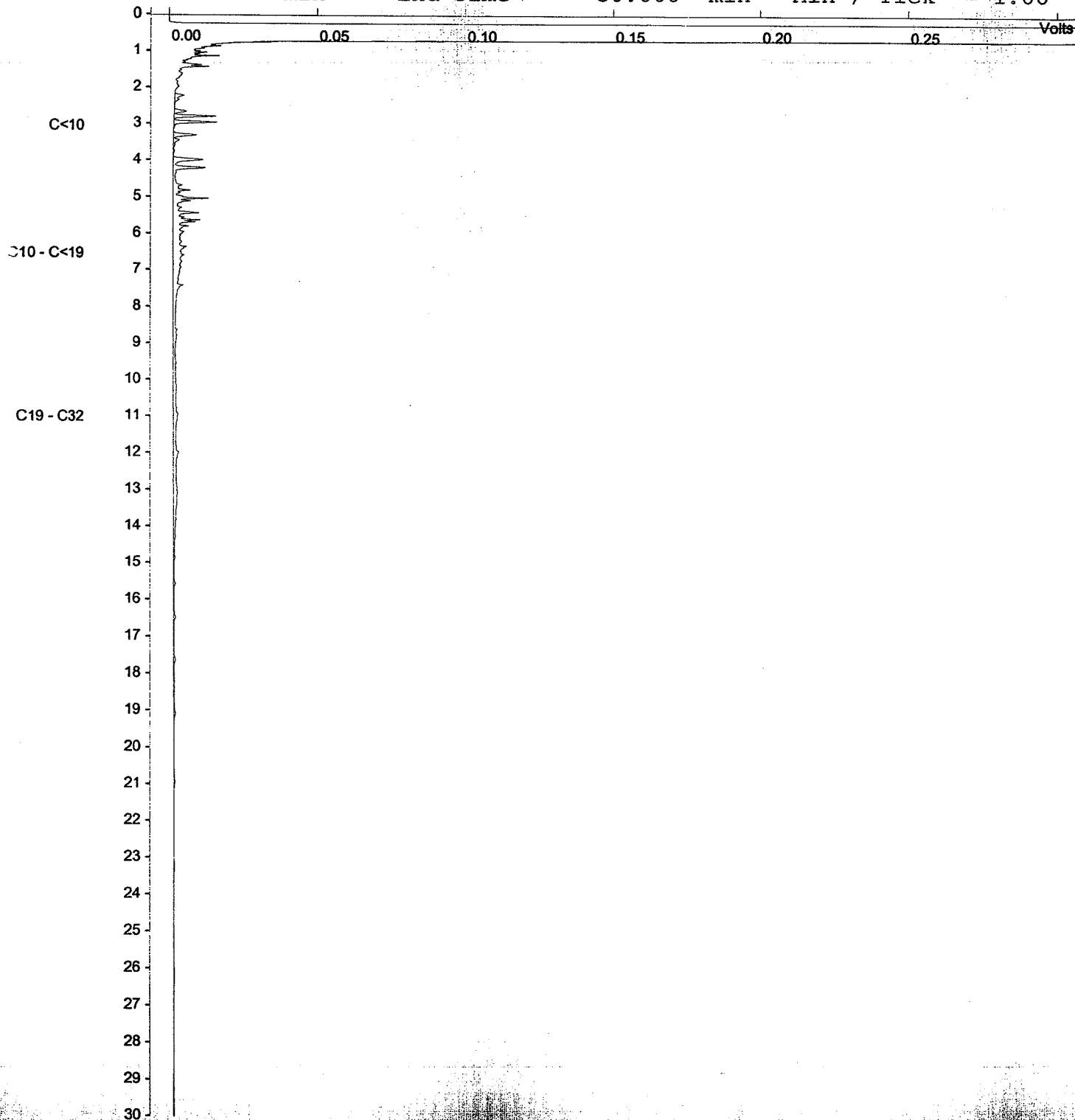
Workstation: TSH Bus Address : 16

Instrument : Varian Star #1 Sample Rate : 10.00 Hz

Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 1283 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



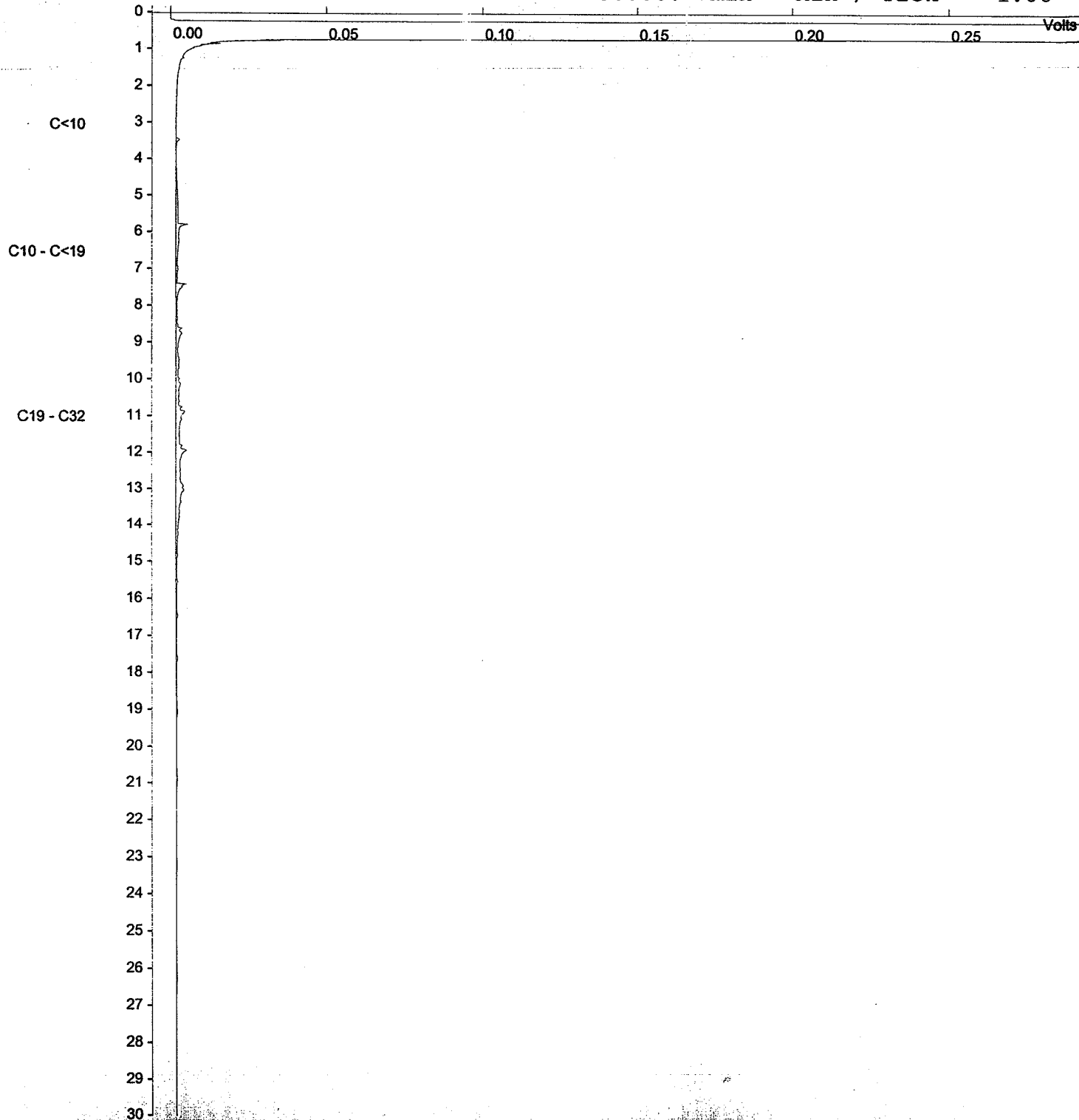
Title : Extractable Petroleum Hydrocarbons
Run File : C:\Star\data\kelvin svh\5-28-02-6:10:33 pm-3829 run
Method File : C:\Star\tpb-bc-eph-02-C4-29.mth
Sample ID : 3829

Injection Date : 5/28/02-6:10 PM Calculation Date : 5/29/02-4:58 PM

Operator : Kelvin Lien Detector Type : ADCB (1 Volt)
Workstation : TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A - FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 1222 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



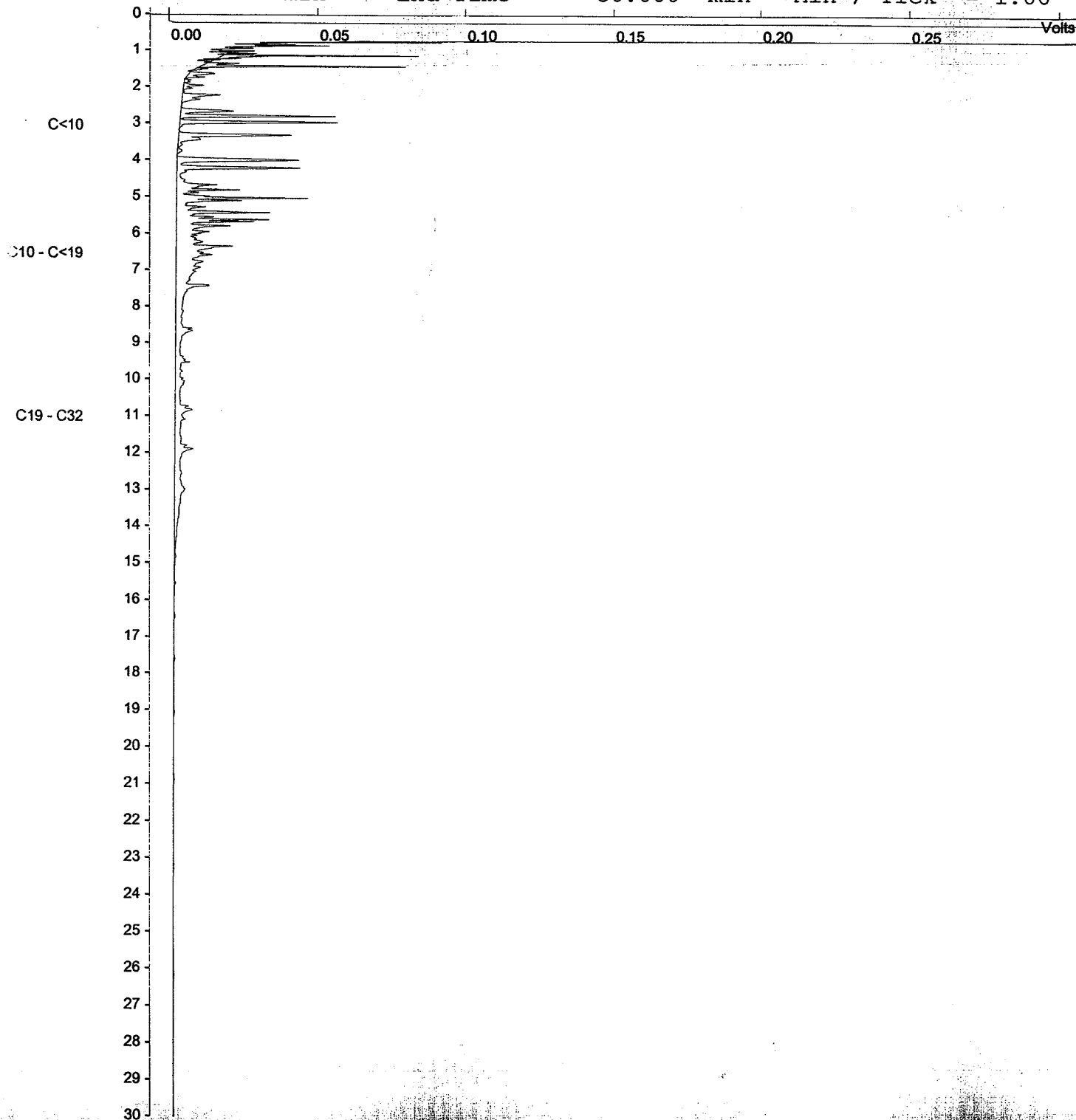
Title : Extractable Petroleum Hydrocarbons
Run File : c:\star\data\kelvin syv\5-28-02-7:00:21 pm--3830.run
Method File : c:\star\tpb-bc-eph-02-04-29.mth
Sample ID : 3830

Injection Date: 5/28/02 7:00 PM Calculation Date: 5/29/02 4:58 PM

Operator : Kelvin Lien Detector Type: ADGB (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 1283 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



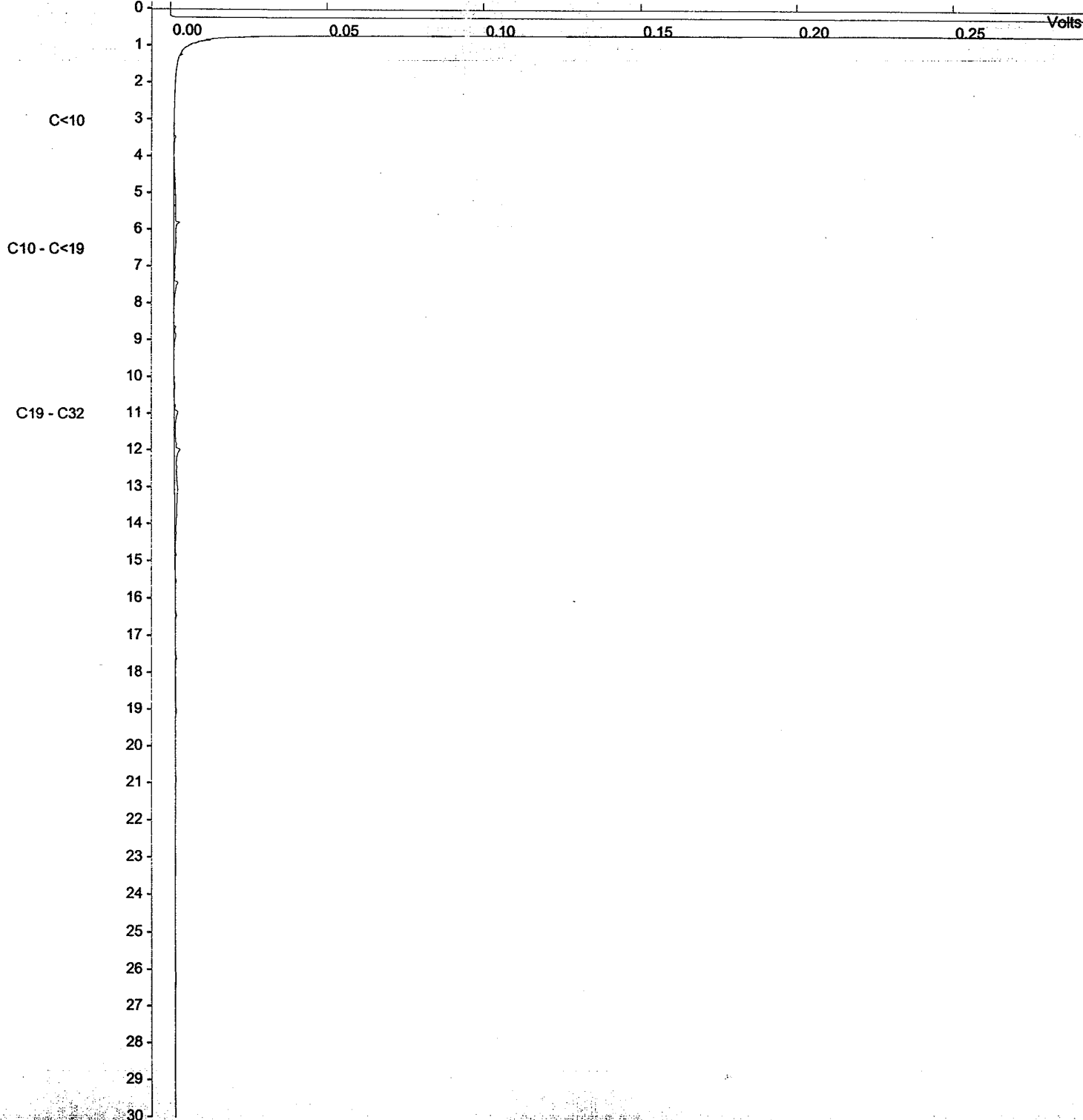
Title : Extractable Petroleum Hydrocarbons
Run File : c:\star\data\kelvin svr\5-28-02-7:50:24 pm--3831.run
Method File : c:\star\tph-bc-eph-02-04-29.mth
Sample ID : 3831

Injection Date: 5/28/02 7:50 PM Calculation Date: 5/29/02 5:01 PM

Operator : Kelvin Lien Detector Type: ADCE (1 Volt)
Workstation: TSH Bus Address : 16
Instrument : Varian Star #1 Sample Rate : 10.00 Hz
Channel : A = FID Run Time : 35.002 min

** Star Chromatography Workstation Version 5.3 ** 00243-0E08-D91-22B9 **

Chart Speed = 0.66 cm/min Attenuation = 1222 Zero Offset = 2%
Start Time = 0.000 min End Time = 30.000 min Min / Tick = 1.00



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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 24/2002
Date Sampled: May 22/2002
Date of Report: June 3/2002

WATER ANALYSIS

Attention: Chad Taylor

Project No.: VES1267

File No.: EC43042

Analyst	Date of Analysis (yyyy/mm/dd)	Analytical Parameters	Units	EPA Reference Method	MDL	Sample I.D. No.				
						02-3821	02-3821	02-3827	02-3828	02-3829
						BH02-27-01	BH02-27-01 field duplicate	BH02-23-01	BH02-07-02	BH02-07-03
ME	2002/5/25	Chloromethane	mg/L (ppm)	624	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
ME	2002/5/25	Vinyl Chloride	mg/L (ppm)	624	0.002	<0.002	<0.002	<0.002	<0.002	<0.002
ME	2002/5/25	Bromomethane	mg/L (ppm)	624	0.002	<0.002	<0.002	<0.002	<0.002	<0.002
ME	2002/5/25	Chloroethane	mg/L (ppm)	624	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
ME	2002/5/25	Trichlorofluoromethane	mg/L (ppm)	624	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
ME	2002/5/25	1,1 - Dichloroethene	mg/L (ppm)	624	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
ME	2002/5/25	Dichloromethane	mg/L (ppm)	624	0.002	<0.002	<0.002	<0.002	<0.002	<0.002
ME	2002/5/25	Trans-1,2-dichloroethene	mg/L (ppm)	624	0.002	<0.002	<0.002	<0.002	<0.002	<0.002
ME	2002/5/25	1,1-Dichloroethane	mg/L (ppm)	624	0.002	<0.002	<0.002	<0.002	<0.002	<0.002
ME	2002/5/25	Cis-1,2-dichloroethene	mg/L (ppm)	624	0.002	<0.002	<0.002	<0.002	<0.002	<0.002
ME	2002/5/25	Chloroform	mg/L (ppm)	624	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
ME	2002/5/25	1,1,1-Trichloroethane	mg/L (ppm)	624	0.001	<0.001	<0.001	<0.001	0.003	<0.001
ME	2002/5/25	Carbon tetrachloride	mg/L (ppm)	624	0.002	<0.002	<0.002	<0.002	<0.002	<0.002
ME	2002/5/25	Benzene	mg/L (ppm)	624	0.001	<0.001	<0.001	<0.001	0.195	<0.001
ME	2002/5/25	1,2-Dichloroethane	mg/L (ppm)	624	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
ME	2002/5/25	Trichloroethene	mg/L (ppm)	624	0.002	<0.002	<0.002	<0.002	<0.002	<0.002
ME	2002/5/25	1,2-Dichloropropane	mg/L (ppm)	624	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
ME	2002/5/25	Bromodichloromethane	mg/L (ppm)	624	0.002	<0.002	<0.002	<0.002	<0.002	<0.002
ME	2002/5/25	Cis-1,3-dichloropropene	mg/L (ppm)	624	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
ME	2002/5/25	Toluene	mg/L (ppm)	624	0.001	<0.001	<0.001	<0.001	0.002	<0.001
ME	2002/5/25	Trans-1,3-dichloropropene	mg/L (ppm)	624	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
ME	2002/5/25	1,1,2-Trichloroethane	mg/L (ppm)	624	0.005	<0.005	<0.005	<0.005	0.058	<0.005
ME	2002/5/25	Tetrachloroethene	mg/L (ppm)	624	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
ME	2002/5/25	Dibromochloromethane	mg/L (ppm)	624	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
ME	2002/5/25	Chlorobenzene	mg/L (ppm)	624	0.002	<0.002	<0.002	<0.002	<0.002	<0.002
ME	2002/5/25	Ethylbenzene	mg/L (ppm)	624	0.001	<0.001	<0.001	<0.001	0.031	<0.001
ME	2002/5/25	M+P-xylene	mg/L (ppm)	624	0.005	<0.005	<0.005	<0.005	0.116	<0.005
ME	2002/5/25	O-xylene	mg/L (ppm)	624	0.002	<0.002	<0.002	<0.002	0.005	<0.002
ME	2002/5/25	Styrene	mg/L (ppm)	624	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
ME	2002/5/25	Bromoform	mg/L (ppm)	624	0.01	<0.01	<0.01	<0.01	<0.01	<0.01
ME	2002/5/25	1,1,2,2-Tetrachloroethane	mg/L (ppm)	624	0.005	<0.005	<0.005	<0.005	0.010	<0.005
ME	2002/5/25	1,3-Dichlorobenzene	mg/L (ppm)	624	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
ME	2002/5/25	1,4-Dichlorobenzene	mg/L (ppm)	624	0.005	<0.005	<0.005	<0.005	<0.005	<0.005
ME	2002/5/25	1,2-Dichlorobenzene	mg/L (ppm)	624	0.005	<0.005	<0.005	<0.005	<0.005	<0.005

ME	2002/5/25	Trifluorotoluene	%			80	90	85	99	103
----	-----------	------------------	---	--	--	----	----	----	----	-----

MDL - Method Detection Limit
EPA - U.S. Environmental Protection Agency, 1986, Test Methods of Evaluation of Solid Waste 3rd Ed. Office
Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

Report reviewed by:

for,

James LeBlanc
QA/QC Compliance
Laboratory Services

Brenda Chornin
Manager
Laboratory Services

AMEC Earth Environmental Limited has been certified by the Canadian Association for Environmental Analytical Laboratories (CAEAL) Inc. for specific tests registered with the Association.
**All samples will be disposed after 30 days following analysis. Please contact the lab if you require additional sample storage time. (Samples deemed hazardous will be returned to the client at their own expense or disposal will be arranged) **



ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 24/2002
Date Sampled: May 22/2002
Date of Report: June 3/2002
Report Revised: June 5/2002
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WATER ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43042

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameters	Units	EPA Reference Method	MDL	Sample I.D.			
						02-3821	02-3822	02-3823	02-3826
						BH02-27-01	BH02-17-01	BH02-10-01	BH02-13-01
ME	2002/5/27	Acenaphthene	ug/L (ppb)	3510C/8260C	0.01	<0.01	<0.01	0.49	<0.01
ME	2002/5/27	Acenaphthylene	ug/L (ppb)	3510C/8260C	0.01	<0.01	<0.01	<0.01	<0.01
ME	2002/5/27	Acridine	ug/L (ppb)	3510C/8260C	0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/5/27	Anthracene	ug/L (ppb)	3510C/8260C	0.01	<0.01	<0.01	<0.01	<0.01
ME	2002/5/27	Benzo(a)anthracene	ug/L (ppb)	3510C/8260C	0.01	<0.01	<0.01	<0.01	<0.01
ME	2002/5/27	Benzo(a)pyrene	ug/L (ppb)	3510C/8260C	0.005	<0.005	<0.005	<0.005	<0.005
ME	2002/5/27	Benzo(b,j,k)fluoranthene	ug/L (ppb)	3510C/8260C	0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/5/27	Benzo(g,h,i)perylene	ug/L (ppb)	3510C/8260C	0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/27	Chrysene	ug/L (ppb)	3510C/8260C	0.01	<0.01	<0.01	<0.01	<0.01
ME	2002/5/27	Dibenzo(a,h)anthracene	ug/L (ppb)	3510C/8260C	0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/27	Fluoranthene	ug/L (ppb)	3510C/8260C	0.05	<0.05	<0.05	<0.05	<0.05
ME	2002/5/27	Fluorene	ug/L (ppb)	3510C/8260C	0.01	<0.01	<0.01	0.03	<0.01
ME	2002/5/27	Indeno(1,2,3-cd)pyrene	ug/L (ppb)	3510C/8260C	0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/27	Naphthalene	ug/L (ppb)	3510C/8260C	0.03	0.04	<0.03	0.16	<0.03
ME	2002/5/27	Phenanthrene	ug/L (ppb)	3510C/8260C	0.01	<0.01	<0.01	0.03	<0.01
ME	2002/5/27	Pyrene	ug/L (ppb)	3510C/8260C	0.02	<0.02	<0.02	0.03	<0.02
ME	2002/5/27	Quinoline	ug/L (ppb)	3510C/8260C	0.03	<0.03	<0.03	<0.03	<0.03
		Surrogate Compound	Units						
ME	2002/5/27	2-fluorobiphenyl	%			27	40	33	75
ME	2002/5/27	Terphenyl d-14	%			83	105	80	85

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency, 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III. Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 24/2002
Date Sampled: May 22/2002
Date of Report: June 3/2002
Report Revised: June 5/2002
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WATER ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43042

Analyst	Date of Analysis (yyyy/mm/dd)	Analytical Parameters	Units	EPA Reference Method	MDL	Sample I.D.				
						02-3827	02-3828	02-3829	02-3830	02-3831
						BH02-23-01	BH02-07-02	BH02-07-03	BH02-07-04	BH02-07-05
ME	2002/5/27	Acenaphthene	ug/L (ppb)	3510C/8260C	0.01	0.17	0.20	<0.01	0.23	<0.01
ME	2002/5/27	Acenaphthylene	ug/L (ppb)	3510C/8260C	0.01	<0.01	0.02	<0.01	0.03	<0.01
ME	2002/5/27	Acridine	ug/L (ppb)	3510C/8260C	0.06	<0.06	<0.06	<0.06	<0.06	<0.06
ME	2002/5/27	Anthracene	ug/L (ppb)	3510C/8260C	0.01	<0.01	0.10	<0.01	0.12	<0.01
ME	2002/5/27	Benzo(a)anthracene	ug/L (ppb)	3510C/8260C	0.01	<0.01	0.32	0.05	0.38	0.03
ME	2002/5/27	Benzo(a)pyrene	ug/L (ppb)	3510C/8260C	0.005	<0.005	0.21	<0.005	0.25	<0.005
ME	2002/5/27	Benzo(b,j,k)fluoranthene	ug/L (ppb)	3510C/8260C	0.06	<0.06	0.94	<0.06	1.14	<0.06
ME	2002/5/27	Benzo(g,h,i)perylene	ug/L (ppb)	3510C/8260C	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/27	Chrysene	ug/L (ppb)	3510C/8260C	0.01	<0.01	0.25	0.04	0.30	0.03
ME	2002/5/27	Dibenzo(a,h)anthracene	ug/L (ppb)	3510C/8260C	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/27	Fluoranthene	ug/L (ppb)	3510C/8260C	0.05	<0.05	0.44	<0.05	0.54	<0.05
ME	2002/5/27	Fluorene	ug/L (ppb)	3510C/8260C	0.01	<0.01	0.13	<0.01	0.18	<0.01
ME	2002/5/27	Indeno(1,2,3-cd)pyrene	ug/L (ppb)	3510C/8260C	0.02	<0.02	<0.02	<0.02	<0.02	<0.02
ME	2002/5/27	Naphthalene	ug/L (ppb)	3510C/8260C	0.03	<0.03	0.41	<0.03	0.42	<0.03
ME	2002/5/27	Phenanthrene	ug/L (ppb)	3510C/8260C	0.01	<0.01	0.35	0.02	0.41	<0.01
ME	2002/5/27	Pyrene	ug/L (ppb)	3510C/8260C	0.02	<0.02	0.47	<0.02	0.57	<0.02
ME	2002/5/27	Quinoline	ug/L (ppb)	3510C/8260C	0.03	<0.03	0.07	<0.03	0.07	<0.03
Surrogate Compound			Units							
ME	2002/5/27	2-fluorobiphenyl	%			29	72	69	50	72
ME	2002/5/27	Terphenyl d-14	%			67	113	104	101	117

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency, 1997, Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.
Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

Report reviewed by:

for

James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services

Brenda Chomin
Manager
Laboratory Services

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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 24/2002
Date Sampled: May 22/2002
Date of Report: June 3/2002

WATER ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43042

Analyst	Date of Analysis (yyyy/m/d)	Analytical Parameters	EPA Reference Method	MDL	Units	Sample I.D. No.	
						02-3823	02-3827
						BH02-10-01	BH02-23-01
ME	2002/5/28	PCB	3510/8082	0.002	mg/L (ppm)	<0.002	<0.002
Surrogate Recovery							
Decachlorobiphenyl			--	--	%	74	104
Tetrachloro-m-xylene			--	--	%	53	64

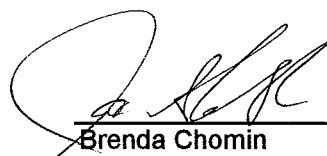
MDL - Method Detection Limit

EPA - U.S. Environmental Protection Agency, 1986, Test Methods of Evaluation of Solid Waste 3rd Ed. Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

PCB: Polychlorinated biphenyl

Report reviewed by:

for, 
James LeBlanc
QA/QC Compliance
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 24/2002
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WATER ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

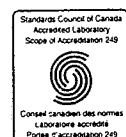
File No.: EC43042

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	APHA Reference Method	MDL	Sample I.D.			
						02-3821	02-3822	02-3823	02-3824
						BH02-27-01	BH02-17-01	BH02-10-01	BH02-11-01
AD	2002/5/28	Calcium	mg/L (ppm)	3120	0.5	70.5	23.5	54.1	58.6
AD	2002/5/28	Magnesium	mg/L (ppm)	3120	0.5	10.1	4.0	8.9	12.8
RM	2002/5/27	pH @ 25°C		4500H		6.30	6.25	6.21	6.24
AD	2002/5/28	Total Hardness (as CaCO ₃) (calc)	mg/L (ppm)	2340-b	6	218	75	172	199

MDL: Method Detection Limit

APHA: Standard Method for the Examination of Water and Wastewater, 1998. 20th Ed. American Public Health Association.

AMEC Earth Environmental Limited has been certified by the Canadian Association for Environmental Analytical Laboratories (CAEAL) Inc. for specific tests registered with the Association.
**All samples will be disposed after 30 days following analysis. Please contact the lab if you require additional sample storage time. (Samples deemed hazardous will be returned to the client at their own expense or disposal will be arranged) **



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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 24/2002
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Date of Report: June 3/2002
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WATER ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43042

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	APHA Reference Method	MDL	Sample I.D.			
						02-3825	02-3826	02-3827	02-3828
						BH02-12-01	BH02-13-01	BH02-23-01	BH02-07-02
AD	2002/5/28	Calcium	mg/L (ppm)	3120	0.5	63.8	56.5	20.1	78.4
AD	2002/5/28	Magnesium	mg/L (ppm)	3120	0.5	8.3	10.3	2.5	10.2
RM	2002/5/27	pH @ 25°C		4500H		6.60	6.21	6.41	6.98
AD	2002/5/28	Total Hardness (as CaCO ₃) (calc)	mg/L (ppm)	2340-b	6	193	184	60	238

MDL: Method Detection Limit

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WATER ANALYSIS

Attention: Chad Taylor

Project No.: VE51267


File No.: EC43042


Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	APHA Reference Method	MDL	Sample I.D.			
						02-3829	02-3830	02-3831	02-3832
						BH02-07-03	BH02-07-04	BH02-07-05	Field Blank
AD	2002/5/28	Calcium	mg/L (ppm)	3120	0.5	69.3	82.2	<0.5	<0.5
AD	2002/5/28	Magnesium	mg/L (ppm)	3120	0.5	6.1	10.7	<0.5	<0.5
RM	2002/5/27	pH @ 25°C		4500H		6.78	7.00	6.18	5.97
AD	2002/5/28	Total Hardness (as CaCO ₃) (calc)	mg/L (ppm)	2340-b	6	198	249	<6	<6

MDL: Method Detection Limit

APHA: Standard Method for the Examination of Water and Wastewater, 1998. 20th Ed. American Public Health Association.

Report reviewed by:


James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

ANALYTICAL REPORT

QUALITY CONTROL STANDARD

Attention: Chad Taylor

Project No.: VE51267

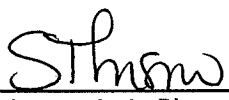
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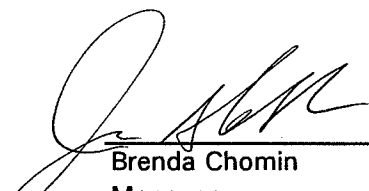
Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	APHA Reference Method	MDL	Analyzed Value	Advisory Range	Target Value	Reference No.
AD	2002/5/28	Calcium	mg/L (ppm)	3120	0.5	50.9	44.6-57.5	51.0	P-CAT01040
AD	2002/5/28	Magnesium	mg/L (ppm)	3120	0.5	45.3	38.4-50.5	44.3	P-CAT01040
RM	2002/5/27	pH @ 25°C		4500H		6.01	5.95-6.05	6.00	CC-PH-56

MDL: Method Detection Limit

APHA: Standard Method for the Examination of Water and Wastewater, 1998. 20th Ed. American Public Health Association.

Report reviewed by:


for, James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 24/2002

Date Sampled: May 22/2002

Date of Report: June 3/2002

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WATER ANALYSIS - DISSOLVED ICP METALS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43042

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	APHA Reference Method	MDL	Sample I.D.					
						BH02-27-01	BH02-17-01	BH02-10-01	BH02-11-01	BH02-12-01	BH02-13-01
AD	2002/5/27	Aluminum	mg/L (ppm)	3120	0.02	0.10	0.14	0.18	0.17	0.08	0.12
AD	2002/5/27	Antimony	mg/L (ppm)	3120	0.002	0.002	<0.002	<0.002	<0.002	0.002	<0.002
AD	2002/5/28	Arsenic	mg/L (ppm)	3120	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
AD	2002/5/27	Barium	mg/L (ppm)	3120	0.03	0.17	0.09	0.13	0.19	0.15	0.16
AD	2002/5/27	Beryllium	mg/L (ppm)	3120	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
AD	2002/5/27	Boron	mg/L (ppm)	3120	0.1	<0.1	0.1	<0.1	0.1	0.3	0.1
AD	2002/5/27	Cadmium	mg/L (ppm)	3120	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
AD	2002/5/27	Calcium	mg/L (ppm)	3120	0.2	70.5	23.5	54.1	58.6	63.8	56.5
AD	2002/5/27	Chromium	mg/L (ppm)	3120	0.001	0.002	0.001	0.001	0.002	0.001	0.001
AD	2002/5/27	Cobalt	mg/L (ppm)	3120	0.001	0.008	<0.001	<0.001	<0.001	0.002	<0.001
AD	2002/5/27	Copper	mg/L (ppm)	3120	0.002	0.003	0.015	0.004	0.002	0.005	0.004
AD	2002/5/27	Iron	mg/L (ppm)	3120	0.01	0.67	1.42	3.03	7.72	0.53	2.11
AD	2002/5/27	Lead	mg/L (ppm)	3120	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
AD	2002/5/27	Magnesium	mg/L (ppm)	3120	0.1	10.1	4.0	8.9	12.8	8.3	10.3
AD	2002/5/27	Manganese	mg/L (ppm)	3120	0.001	1.85	0.379	1.22	1.43	0.743	1.21
AD	2002/5/31	Mercury	mg/L (ppm)	3112	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
AD	2002/5/27	Molybdenum	mg/L (ppm)	3120	0.001	<0.001	0.003	<0.001	<0.001	0.013	<0.001
AD	2002/5/27	Nickel	mg/L (ppm)	3120	0.002	0.048	0.034	0.050	0.057	0.056	0.068
AD	2002/5/27	Phosphorus	mg/L (ppm)	3120	0.01	0.08	0.08	0.08	0.15	0.08	0.42
AD	2002/5/27	Potassium	mg/L (ppm)	3120	0.5	1.9	2.0	4.8	3.8	5.6	6.1
AD	2002/5/27	Selenium	mg/L (ppm)	3120	0.005	0.009	<0.005	0.007	0.009	0.010	0.007
AD	2002/5/27	Silicon	mg/L (ppm)	3120	0.01	22.4	15.5	24.0	23.8	24.9	28.1
AD	2002/5/27	Silver	mg/L (ppm)	3120	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
AD	2002/5/27	Sodium	mg/L (ppm)	3120	0.5	26.8	32.6	40.9	58.1	104	72.1
AD	2002/5/27	Thallium	mg/L (ppm)	3120	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
AD	2002/5/27	Titanium	mg/L (ppm)	3120	0.001	0.004	0.004	0.012	0.008	0.005	0.003
AD	2002/5/27	Vanadium	mg/L (ppm)	3120	0.001	0.002	0.003	0.003	0.004	0.003	0.002
AD	2002/5/27	Zinc	mg/L (ppm)	3120	0.002	0.010	0.049	0.075	0.020	0.020	0.019

MDL: Method Detection Limit

APHA: Standard Method for the Examination of Water and Wastewater, 1998. 20th Ed. American Public Health Association.

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: May 24/2002
Date Sampled: May 22/2002
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WATER ANALYSIS - DISSOLVED ICP METALS

Attention: Chad Taylor

Project No.: VE51267

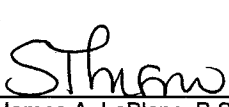
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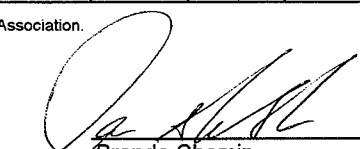
Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	APHA Reference Method	MDL	Sample I.D.					
						02-3827 BH02-23-01	02-3828 BH02-07-02	02-3829 BH02-07-03	02-3830 BH02-07-04	02-3831 BH02-07-05	02-3832 Field Blank
AD	2002/5/27	Aluminum	mg/L (ppm)	3120	0.02	0.03	<0.02	0.02	<0.02	0.05	<0.02
AD	2002/5/27	Antimony	mg/L (ppm)	3120	0.002	<0.002	0.002	0.003	<0.002	<0.002	<0.002
AD	2002/5/28	Arsenic	mg/L (ppm)	3120	0.005	<0.005	<0.005	<0.005	<0.005	<0.005	<0.005
AD	2002/5/27	Barium	mg/L (ppm)	3120	0.03	<0.03	0.19	0.15	0.19	<0.03	<0.03
AD	2002/5/27	Beryllium	mg/L (ppm)	3120	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
AD	2002/5/27	Boron	mg/L (ppm)	3120	0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1
AD	2002/5/27	Cadmium	mg/L (ppm)	3120	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
AD	2002/5/27	Calcium	mg/L (ppm)	3120	0.2	20.1	78.4	69.3	82.2	<0.2	<0.2
AD	2002/5/27	Chromium	mg/L (ppm)	3120	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
AD	2002/5/27	Cobalt	mg/L (ppm)	3120	0.001	<0.001	0.004	<0.001	0.004	<0.001	<0.001
AD	2002/5/27	Copper	mg/L (ppm)	3120	0.002	0.007	0.038	0.047	0.008	0.002	<0.002
AD	2002/5/27	Iron	mg/L (ppm)	3120	0.01	1.94	0.07	0.83	0.07	0.05	<0.01
AD	2002/5/27	Lead	mg/L (ppm)	3120	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
AD	2002/5/27	Magnesium	mg/L (ppm)	3120	0.1	2.5	10.2	6.1	10.7	<0.1	<0.1
AD	2002/5/27	Manganese	mg/L (ppm)	3120	0.001	0.394	0.897	0.367	0.919	<0.001	<0.001
AD	2002/5/31	Mercury	mg/L (ppm)	3112	0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002
AD	2002/5/27	Molybdenum	mg/L (ppm)	3120	0.001	<0.001	0.002	0.002	0.003	<0.001	<0.001
AD	2002/5/27	Nickel	mg/L (ppm)	3120	0.002	0.012	0.032	0.021	0.033	0.002	<0.002
AD	2002/5/27	Phosphorus	mg/L (ppm)	3120	0.01	0.06	0.07	0.07	0.07	0.06	0.06
AD	2002/5/27	Potassium	mg/L (ppm)	3120	0.5	1.2	6.6	4.4	7.2	<0.5	<0.5
AD	2002/5/27	Selenium	mg/L (ppm)	3120	0.005	<0.005	0.009	0.007	0.008	<0.005	<0.005
AD	2002/5/27	Silicon	mg/L (ppm)	3120	0.01	5.65	10.7	9.63	10.5	1.06	0.02
AD	2002/5/27	Silver	mg/L (ppm)	3120	0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005	<0.0005
AD	2002/5/27	Sodium	mg/L (ppm)	3120	0.5	8.5	92.9	43.0	97.7	4.3	3.3
AD	2002/5/27	Thallium	mg/L (ppm)	3120	0.002	<0.002	<0.002	<0.002	<0.002	<0.002	<0.002
AD	2002/5/27	Titanium	mg/L (ppm)	3120	0.001	<0.001	<0.001	0.002	<0.001	0.003	<0.001
AD	2002/5/27	Vanadium	mg/L (ppm)	3120	0.001	<0.001	<0.001	<0.001	<0.001	<0.001	<0.001
AD	2002/5/27	Zinc	mg/L (ppm)	3120	0.002	0.011	0.014	0.007	0.012	0.003	0.003

MDL: Method Detection Limit

APHA: Standard Method for the Examination of Water and Wastewater, 1998. 20th Ed. American Public Health Association.

Report reviewed by:


for James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

ANALYTICAL REPORT

QUALITY CONTROL STANDARD

Attention: Chad Taylor

Project No.: VE51267

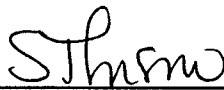
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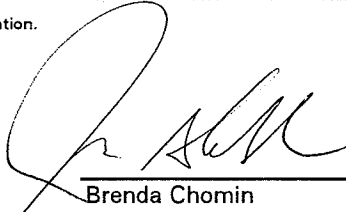
Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	APHA Reference Method	MDL	Analyzed Value	Advisory Range	Target Value	Reference No.
AD	2002/5/27	Aluminum	mg/L (ppm)	3120	0.02	0.44	0.35-0.49	0.42	P-TM01048
AD	2002/5/27	Antimony	mg/L (ppm)	3120	0.002	0.111	0.080-0.140	0.110	P-TM01048
AD	2002/5/28	Arsenic	mg/L (ppm)	3120	0.005	0.107	0.073-0.108	0.090	P-TM01048
AD	2002/5/27	Barium	mg/L (ppm)	3120	0.03	0.259	0.235-0.284	0.260	P-TM01048
AD	2002/5/27	Beryllium	mg/L (ppm)	3120	0.0005	0.0431	0.0382-0.0520	0.0450	P-TM01048
AD	2002/5/27	Boron	mg/L (ppm)	3120	0.1	0.26	0.25-0.38	0.32	P-TM01048
AD	2002/5/27	Cadmium	mg/L (ppm)	3120	0.001	0.052	0.046-0.064	0.055	P-TM01048
AD	2002/5/27	Calcium	mg/L (ppm)	3120	0.2	50.9	44.6-57.5	51.0	P-CAT01040
AD	2002/5/27	Chromium	mg/L (ppm)	3120	0.001	0.420	0.360-0.515	0.437	P-TM01048
AD	2002/5/27	Cobalt	mg/L (ppm)	3120	0.001	0.151	0.143-0.187	0.165	P-TM01048
AD	2002/5/27	Copper	mg/L (ppm)	3120	0.002	0.293	0.275-0.324	0.300	P-TM01048
AD	2002/5/27	Iron	mg/L (ppm)	3120	0.01	0.358	0.311-0.409	0.360	P-TM01048
AD	2002/5/27	Lead	mg/L (ppm)	3120	0.001	0.381	0.343-0.467	0.405	P-TM01048
AD	2002/5/27	Magnesium	mg/L (ppm)	3120	0.1	45.3	38.4-50.5	44.3	P-CAT01040
AD	2002/5/27	Manganese	mg/L (ppm)	3120	0.001	0.180	0.171-0.209	0.190	P-TM01048
AD	2002/5/31	Mercury	mg/L (ppm)	3112	0.0002	0.0503	0.0315-0.0525	0.0420	P-TM01047
AD	2002/5/27	Molybdenum	mg/L (ppm)	3120	0.001	0.280	0.237-0.334	0.286	P-TM01048
AD	2002/5/27	Nickel	mg/L (ppm)	3120	0.002	0.407	0.394-0.484	0.439	P-TM01048
AD	2002/5/27	Phosphorus	mg/L (ppm)	3120	0.01	0.52	0.45-0.55	0.50	QCP-QCS-1
AD	2002/5/27	Potassium	mg/L (ppm)	3120	0.5	33.2	29.2-38.8	34.0	P-CAT01040
AD	2002/5/27	Selenium	mg/L (ppm)	3120	0.005	0.033	0.022-0.038	0.030	P-TM01048
AD	2002/5/27	Silicon	mg/L (ppm)	3120	0.01	0.24	0.21-0.26	0.23	QCP-QCS-2
AD	2002/5/27	Silver	mg/L (ppm)	3120	0.0005	0.0358	0.0327-0.0424	0.0375	P-TM01048
AD	2002/5/27	Sodium	mg/L (ppm)	3120	0.5	47.9	41.0-50.0	45.5	P-CAT01040
AD	2002/5/27	Thallium	mg/L (ppm)	3120	0.002	0.013	0.011-0.019	0.015	P-TM01048
AD	2002/5/27	Titanium	mg/L (ppm)	3120	0.001	0.106	0.090-0.110	0.100	QCP-QCS-2
AD	2002/5/27	Vanadium	mg/L (ppm)	3120	0.001	0.447	0.399-0.511	0.455	P-TM01048
AD	2002/5/27	Zinc	mg/L (ppm)	3120	0.002	0.221	0.192-0.248	0.220	P-TM01048

MDL: Method Detection Limit

APHA: Standard Method for the Examination of Water and Wastewater, 1998. 20th Ed. American Public Health Association.

Report reviewed by:

for 
James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
for Laboratory Services

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ANALYTICAL REPORT
AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: June 21/2002
Date Sampled: June 20/2002
Date of Report: July 10/2002

WATER ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43242

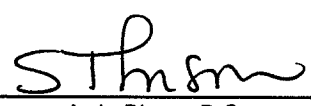
Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameters	Units	Reference Method	MDL	Sample ID
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						BH02-12
ME/RP	2002/6/21	Acenaphthene	ug/L (ppb)	EPA 3510C/8270C	0.01	2.36
ME/RP	2002/6/21	Acenaphthylene	ug/L (ppb)	EPA 3510C/8270C	0.01	0.02
ME/RP	2002/6/21	Acridine	ug/L (ppb)	EPA 3510C/8270C	0.06	<0.06
ME/RP	2002/6/21	Anthracene	ug/L (ppb)	EPA 3510C/8270C	0.01	0.21
ME/RP	2002/6/21	Benzo(a)anthracene	ug/L (ppb)	EPA 3510C/8270C	0.01	0.06
ME/RP	2002/6/21	Benzo(a)pyrene	ug/L (ppb)	EPA 3510C/8270C	0.01	0.03
ME/RP	2002/6/21	Benzo(b,j,k)fluoranthene	ug/L (ppb)	EPA 3510C/8270C	0.06	0.09
ME/RP	2002/6/21	Benzo(g,h,i)perylene	ug/L (ppb)	EPA 3510C/8270C	0.02	<0.02
ME/RP	2002/6/21	Chrysene	ug/L (ppb)	EPA 3510C/8270C	0.01	0.03
ME/RP	2002/6/21	Dibenzo(a,h)anthracene	ug/L (ppb)	EPA 3510C/8270C	0.02	<0.02
ME/RP	2002/6/21	Fluoranthene	ug/L (ppb)	EPA 3510C/8270C	0.05	0.35
ME/RP	2002/6/21	Fluorene	ug/L (ppb)	EPA 3510C/8270C	0.01	1.35
ME/RP	2002/6/21	Indeno(1,2,3-cd)pyrene	ug/L (ppb)	EPA 3510C/8270C	0.02	<0.02
ME/RP	2002/6/21	Naphthalene	ug/L (ppb)	EPA 3510C/8270C	0.03	24
ME/RP	2002/6/21	Phenanthrene	ug/L (ppb)	EPA 3510C/8270C	0.01	1.58
ME/RP	2002/6/21	Pyrene	ug/L (ppb)	EPA 3510C/8270C	0.02	0.29
ME/RP	2002/6/21	Quinoline	ug/L (ppb)	EPA 3510C/8270C	0.02	0.15
Surrogate Compound						
ME/RP	2002/6/21	2-fluorobiphenyl	%			20
ME/RP	2002/6/21	Terphenyl d-14	%			48

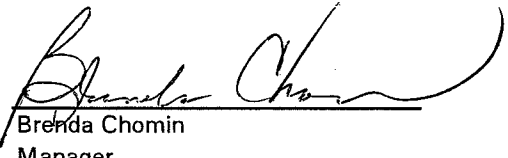
MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.
Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

Report reviewed by:

for


James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: August 28/2002
Date Sampled: August 27/2002
Date of Report: September 16/2002

WATER ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43619

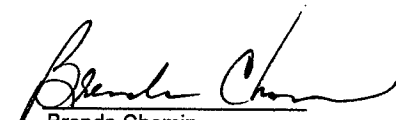
Analyst	Date of Analysis (yyyy/mm/dd)	Analytical Parameter	Units	EPA Method	MDL	Sample ID					
						02-7387 BH02-12-01	02-7388 BH02-12-02	02-7389 BH02-12-03	02-7390 BH02-12-04	02-7391 BH02-12-05	02-7392 BH02-12-06
ME/KL	2002/8/30	Acenaphthene	µg/L (ppb)	3510c/8270c	0.01	3.1	3.0	<0.01	4.8	0.01	2.3
ME/KL	2002/8/30	Acenaphthylene	µg/L (ppb)	3510c/8270c	0.01	0.09	0.04	<0.01	0.03	<0.01	0.08
ME/KL	2002/8/30	Acridine	µg/L (ppb)	3510c/8270c	0.07	0.33	<0.07	<0.07	<0.07	<0.07	0.08
ME/KL	2002/8/30	Anthracene	µg/L (ppb)	3510c/8270c	0.007	1.6	<0.007	<0.007	0.20	<0.007	0.86
ME/KL	2002/8/30	Benzo(a)anthracene	µg/L (ppb)	3510c/8270c	0.006	2.5	0.10	<0.006	0.006	<0.006	1.1
ME/KL	2002/8/30	Benzo(a)pyrene	µg/L (ppb)	3510c/8270c	0.005	1.8	0.092	<0.005	0.038	<0.005	0.81
ME/KL	2002/8/30	Benzo(b+j+k)fluoranthene	µg/L (ppb)	3510c/8270c	0.08	4.1	<0.08	<0.08	<0.08	<0.08	1.6
ME/KL	2002/8/30	Benzo(g,h,i)perylene	µg/L (ppb)	3510c/8270c	0.02	0.77	0.08	<0.02	0.03	<0.02	0.40
ME/KL	2002/8/30	Chrysene	µg/L (ppb)	3510c/8270c	0.01	2.4	0.10	<0.01	0.02	<0.01	1.1
ME/KL	2002/8/30	Dibenzo(a,h)anthracene	µg/L (ppb)	3510c/8270c	0.02	<0.02	0.08	<0.02	0.03	<0.02	<0.02
ME/KL	2002/8/30	Fluoranthene	µg/L (ppb)	3510c/8270c	0.04	6.0	0.09	<0.04	0.05	<0.04	2.7
ME/KL	2002/8/30	Fluorene	µg/L (ppb)	3510c/8270c	0.02	2.7	0.65	<0.02	2.48	<0.02	1.9
ME/KL	2002/8/30	Indeno(1,2,3-cd)pyrene	µg/L (ppb)	3510c/8270c	0.02	0.59	<0.02	<0.02	<0.02	<0.02	0.31
ME/KL	2002/8/30	Naphthalene	µg/L (ppb)	3510c/8270c	0.05	99	0.09	0.06	0.56	0.11	120
ME/KL	2002/8/30	Phenanthrene	µg/L (ppb)	3510c/8270c	0.01	8.2	0.14	0.02	0.26	0.02	4.4
ME/KL	2002/8/30	Pyrene	µg/L (ppb)	3510c/8270c	0.02	5.6	0.08	<0.02	0.02	<0.02	2.5
ME/KL	2002/8/30	Quinoline	µg/L (ppb)	3510c/8270c	0.06	0.08	<0.06	<0.06	<0.06	<0.06	0.07
Surrogate Compound						Units					
ME/KL	2002/8/30	2-fluorobiphenyl	%			104	72	90	115	73	99
ME/KL	2002/8/30	Terphenyl d-14	%			121	103	112	143	86	115

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.
Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

Report reviewed by:

for 
James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: August 28/2002
Date Sampled: August 27/2002
Date of Report: September 16/2002

WATER ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC43619

Analyst	Date of Analysis (yyyy/mm/d)	Parameter	Reference Method	Lab. No.	02-7383	02-7383	02-7384	02-7385	02-7386
				Sample I.D.	BH02-07-04	BH02-07-04 field duplicate	BH02-07-05	BH02-07-06	AE 7 Holding Tank
				Trifluorotoluene Recovery(%)	103	101	103	104	102
				MDL	mg/L (ppm)				
ME	2002/8/29	Benzene	EPA 5030B/BCMVLAP	0.001	0.031	0.033	0.029	0.031	<0.001
ME	2002/8/29	Toluene	EPA 5030B/BCMVLAP	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
ME	2002/8/29	Ethylbenzene	EPA 5030B/BCMVLAP	0.001	<0.001	<0.001	<0.001	<0.001	<0.001
ME	2002/8/29	Xylenes	EPA 5030B/BCMVLAP	0.002	0.007	0.006	0.006	0.006	<0.002
ME	2002/8/29	VPH (C ₆ - C ₁₀)	VH-BTEX	0.010	0.049	0.047	0.049	0.045	<0.010

MDL: Method Detection Limit

BCMVLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, Analytical Methods v2.1, 1999.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

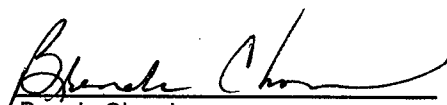
Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

VPH -Volatile Petroleum Hydrocarbons

VH- Volatile Hydrocarbons

Report reviewed by:


for James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

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ANALYTICAL REPORT
AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: September 5/2002
Date Sampled: September 4/2002
Date of Report: September 18/2002

WATER ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

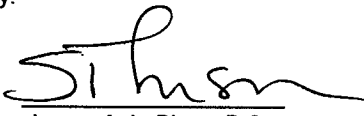
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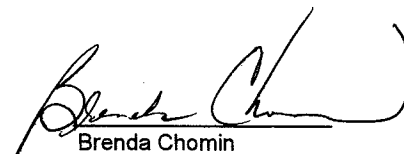
Analyst	Date of Analysis (yyyy/m/d)	Analytical Parameter	Units	EPA Method	MDL	Sample ID		
						02-7504 AEC #7 Holding Tank	02-7505 BH02-07-04	02-7506 BH02-07-05
ME/KL	2002/9/6	Acenaphthene	µg/L (ppb)	3510c/8270c	0.01	0.02	<0.01	0.03
ME/KL	2002/9/6	Acenaphthylene	µg/L (ppb)	3510c/8270c	0.01	<0.01	<0.01	0.02
ME/KL	2002/9/6	Acridine	µg/L (ppb)	3510c/8270c	0.07	<0.07	<0.07	<0.07
ME/KL	2002/9/6	Anthracene	µg/L (ppb)	3510c/8270c	0.007	<0.007	0.014	0.11
ME/KL	2002/9/6	Benzo(a)anthracene	µg/L (ppb)	3510c/8270c	0.006	<0.006	0.050	0.26
ME/KL	2002/9/6	Benzo(a)pyrene	µg/L (ppb)	3510c/8270c	0.005	<0.005	0.015	0.19
ME/KL	2002/9/6	Benzo(b+j+k)fluoranthene	µg/L (ppb)	3510c/8270c	0.08	<0.08	<0.08	0.36
ME/KL	2002/9/6	Benzo(g,h,i)perylene	µg/L (ppb)	3510c/8270c	0.02	<0.02	<0.02	0.13
ME/KL	2002/9/6	Chrysene	µg/L (ppb)	3510c/8270c	0.01	0.05	0.05	0.19
ME/KL	2002/9/6	Dibenzo(a,h)anthracene	µg/L (ppb)	3510c/8270c	0.02	<0.02	<0.02	0.10
ME/KL	2002/9/6	Fluoranthene	µg/L (ppb)	3510c/8270c	0.04	<0.04	<0.04	0.40
ME/KL	2002/9/6	Fluorene	µg/L (ppb)	3510c/8270c	0.02	0.02	<0.02	0.06
ME/KL	2002/9/6	Indeno(1,2,3-cd)pyrene	µg/L (ppb)	3510c/8270c	0.02	<0.02	<0.02	0.22
ME/KL	2002/9/6	Naphthalene	µg/L (ppb)	3510c/8270c	0.05	<0.05	<0.05	<0.05
ME/KL	2002/9/6	Phenanthrene	µg/L (ppb)	3510c/8270c	0.01	<0.01	0.05	0.48
ME/KL	2002/9/6	Pyrene	µg/L (ppb)	3510c/8270c	0.02	0.05	0.04	0.44
ME/KL	2002/9/6	Quinoline	µg/L (ppb)	3510c/8270c	0.06	<0.06	<0.06	<0.06
Surrogate Compound			Units					
ME/KL	2002/9/6	2-fluorobiphenyl	%			64	71	68
ME/KL	2002/9/6	Terphenyl d-14	%			109	92	86

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.
Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

Report reviewed by:

for

James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
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ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: November 29/2002
Date Sampled: November 27/2002
Date of Report: December 13/2002

WATER ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC44165

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Reference Method	Lab. No.	02-11877a	02-11878a	02-11879a
				Sample I.D.	BH02-07-04	BH02-07-05	BH02-07-06*
				Surrogate Recovery %	104	87	99
				MDL	mg/L (ppm)		
ME	2002/11/29	Benzene	EPA 5030B/BCMWLAP	0.001	<0.001	<0.001	<0.001
ME	2002/11/29	Toluene	EPA 5030B/BCMWLAP	0.001	<0.001	<0.001	<0.001
ME	2002/11/29	Ethylbenzene	EPA 5030B/BCMWLAP	0.001	<0.001	<0.001	<0.001
ME	2002/11/29	Xylenes	EPA 5030B/BCMWLAP	0.002	<0.002	<0.002	<0.002
ME	2002/11/29	VPH (C ₆ - C ₁₀)	VH-BTEX	0.010	<0.010	<0.010	<0.010
DS/RP	2002/11/29	EPH (EH _w C ₁₀ -C ₁₉)	EPA 3510/BCMWLAP	0.030	< 0.030	< 0.030	< 0.030
DS/RP	2002/11/29	EPH (C ₁₉ -C ₃₂)	EPA 3510/BCMWLAP	0.030	< 0.030	< 0.030	< 0.030
ME/RP	2002/11/29	LEPH (EH _w C ₁₀ -C ₁₉)	EPA 3510/BCMWLAP	0.030	< 0.030	< 0.030	< 0.030
ME/RP	2002/11/29	HEPH (C ₁₉ -C ₃₂)	EPA 3510/BCMWLAP	0.030	< 0.030	< 0.030	< 0.030

MDL: Method Detection Limit

BCMWLAP: British Columbia Ministry of Water, Land and Air Protection - Contaminated Sites Regulation, Analytical Methods v2.1, 1999.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

VPH - Volatile Petroleum Hydrocarbons

EPH: Extractable Petroleum Hydrocarbon - not corrected for PAH content.

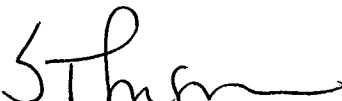
VH - Volatile Hydrocarbons

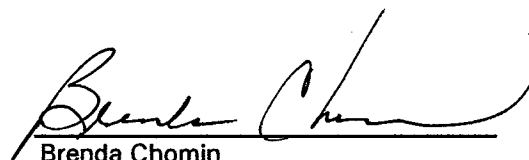
LEPH: Light Extractable Petroleum Hydrocarbons - corrected for PAH content.

HEPH: Heavy Extractable Petroleum Hydrocarbons - corrected for PAH content.

*NOTE: EPH/LEPH/HEPH analysis performed Dec 5/2002.

Report reviewed by:

for 
James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

ANALYTICAL REPORT

AMEC Earth & Environmental Ltd
2227 Douglas Road
Burnaby, BC V5C 5A9

Date Received: 2003/08/21
Date Sampled:
Date of Report: 2003/08/26

Water Analysis - Volatile Organic Compounds

Attention: Taylor, Chad

Project No. EC44165

File No.: EC-45603

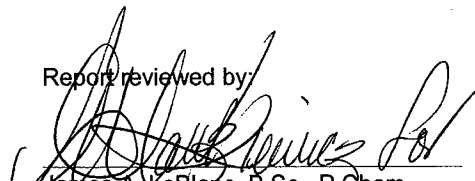
Date of Analysis	Analytical		Reference		03-7731 BH02-07-04 (02-11877a)	03-7732 BH02-07-05 (02-11878a)	03-7733 BH02-07-06 (02-11879a)	
Analyst (yyyy/m/d)	Parameter	Units	Method	MDL				
GH	Methyl tert-Butyl Ether (MTBE)	mg/L (ppm)	EPA5030B/8260B	0.005	< 0.005	< 0.005	< 0.005	

All Analytical results pertain to samples analyzed as received.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III. Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

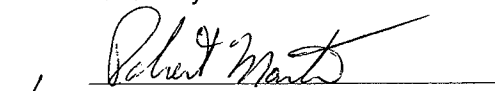
MDL - Method Detection Limit

Report reviewed by:


James A. LeBlanc, B.Sc., P.Chem.
QA/QC Manager
Laboratory Services

AMEC Earth & Environmental Limited has been certified by the Canadian Association for Environmental Analytical Laboratories (CAEAL) Inc. for specific tests registered with the Association.

** All samples will be disposed of after 30 days following analysis. Please contact the lab if you require additional sample storage time. (Samples deemed hazardous will be returned to the client at their own expense or disposal will be arranged.) **


for Brenda Chomin, P.Chem.
Manager
Laboratory Services



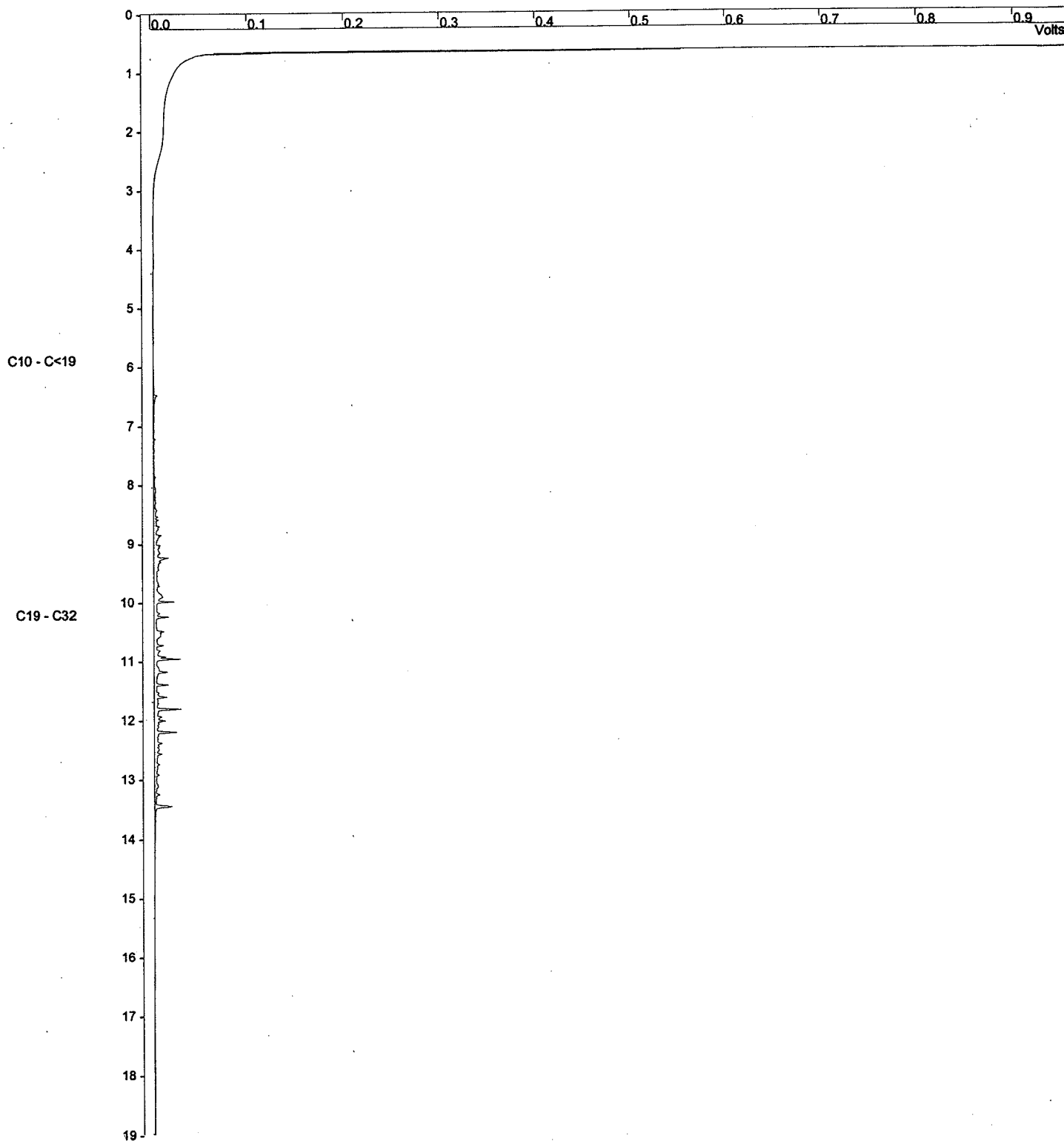
Title : Extractable Petroleum Hydrocarbons
Run File : c:\star\data\dec 02\12-2-2002-1;52;40 pm--11877.run
Method File : c:\star\bc-eph-2002-11-29.mth
Sample ID : 11877a

Injection Date: 12/2/2002 1:52 PM Calculation Date: 12/3/2002 11:47 AM

Operator : D. Skrastins Detector Type: 3800 (1 Volt)
Workstation: GC3800EPH Bus Address : 44
Instrument : INS# 186 Sample Rate : 10.00 Hz
Channel : Front = FID Run Time : 25.145 min

** Star Chromatography Workstation Version 5.52 ** 00243-0E08-D91-22B9 **

Chart Speed = 1.05 cm/min Attenuation = 3960 Zero Offset = 1%
Start Time = 0.000 min End Time = 19.000 min Min / Tick = 1.00



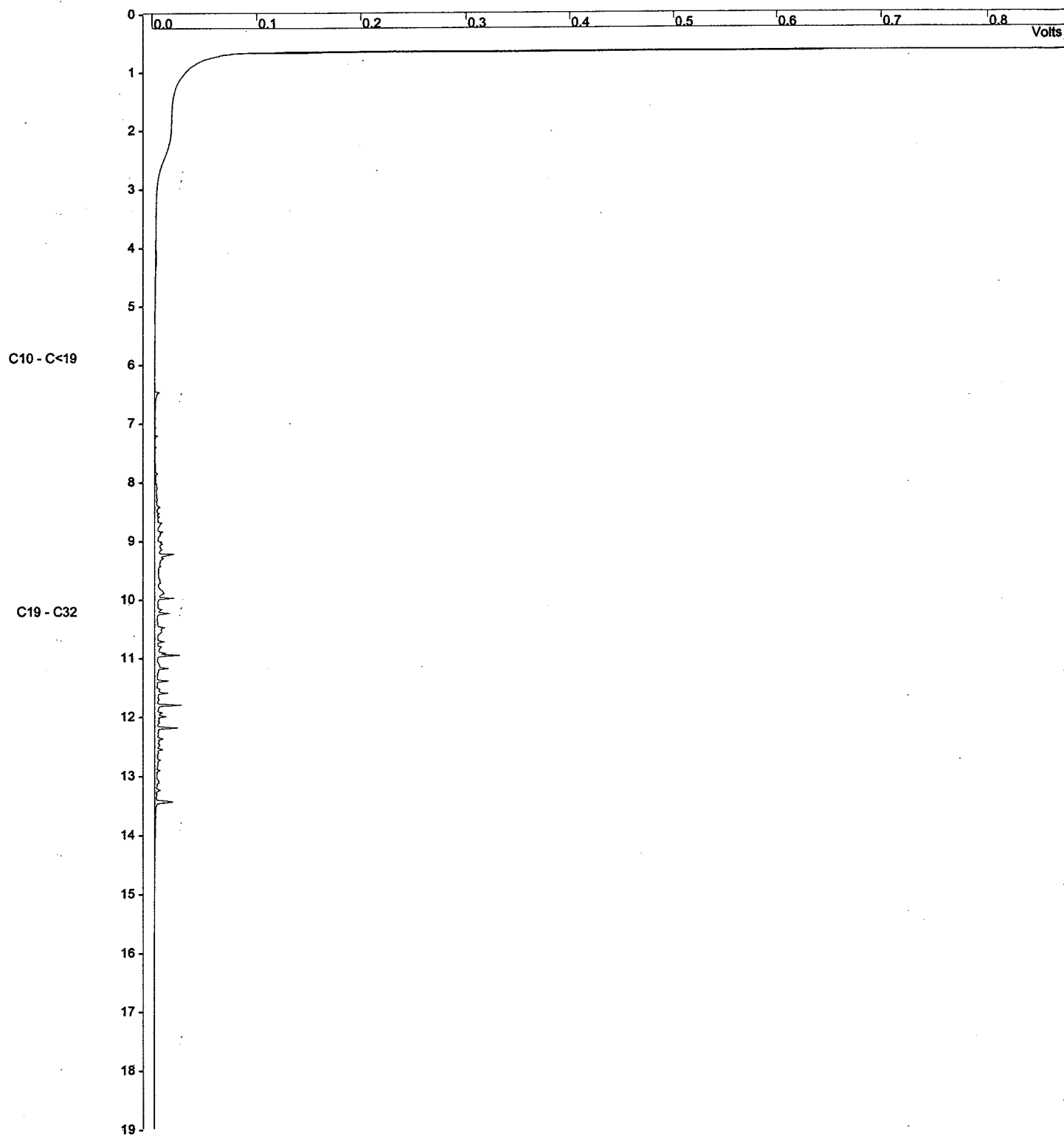
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Method File : c:\star\bc-eph-2002-11-29.mth
Sample ID : 11878a

Injection Date: 12/2/2002 2:27 PM Calculation Date: 12/3/2002 11:47 AM

Operator : D. Skrastins Detector Type: 3800 (1 Volt)
Workstation: GC3800EPH Bus Address : 44
Instrument : INS# 186 Sample Rate : 10.00 Hz
Channel : Front = FID Run Time : 25.145 min

** Star Chromatography Workstation Version 5.52 ** 00243-0E08-D91-22B9 **

Chart Speed = 1.05 cm/min Attenuation = 3616 Zero Offset = 1%
Start Time = 0.000 min End Time = 19.000 min Min / Tick = 1.00



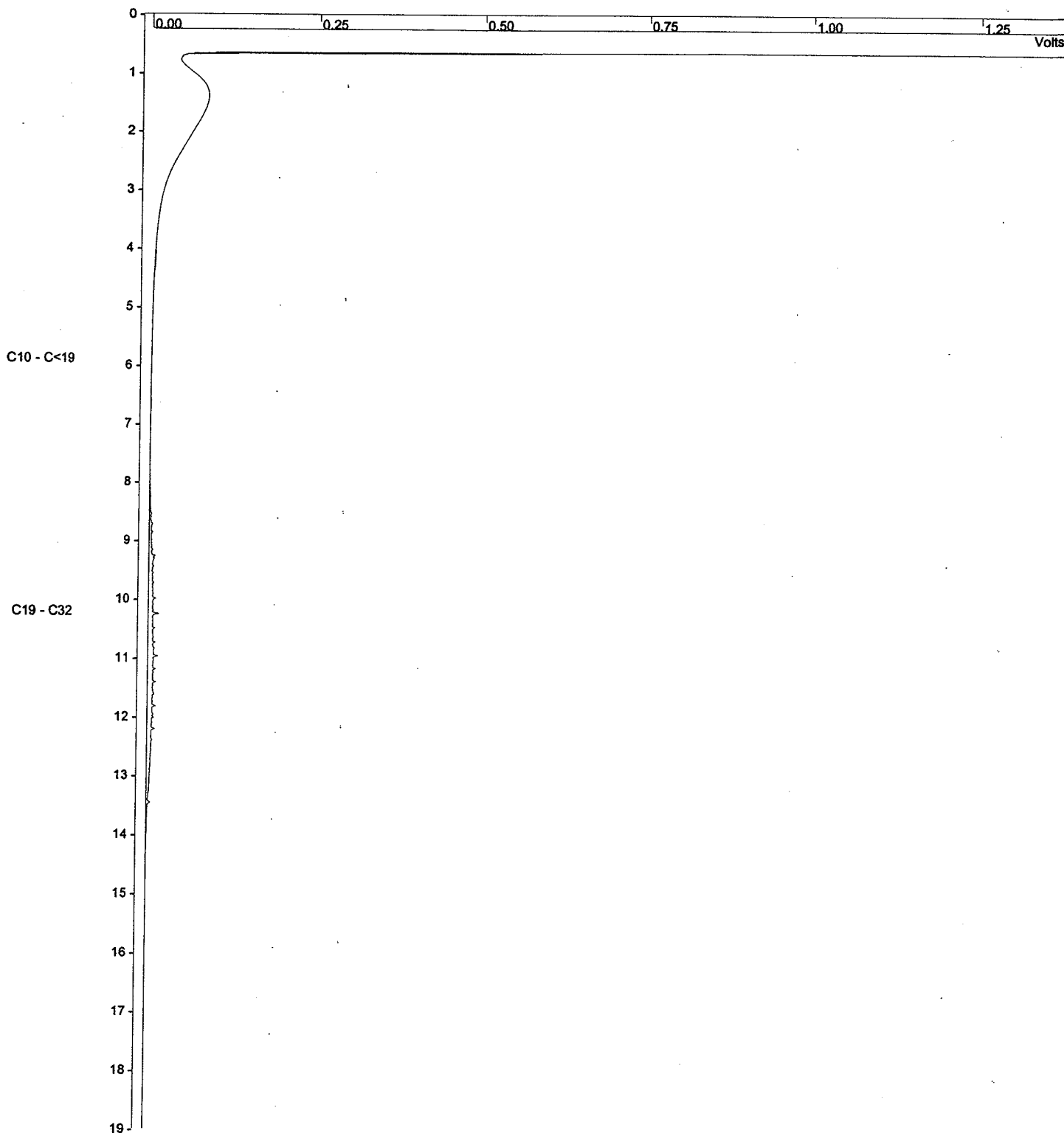
Title : Extractable Petroleum Hydrocarbons
Run File : C:\Star\data\Dec 02\12-5-2002-6;49;55 pm--11879a water.run
Method File : c:\star\bc-eph-2002-11-29.mth
Sample ID : 11879a water

Injection Date: 12/5/2002 6:49 PM Calculation Date: 12/6/2002 7:32 AM

Operator : D. Skrastins Detector Type: 3800 (1 Volt)
Workstation: GC3800EPH Bus Address : 44
Instrument : INS# 186 Sample Rate : 10.00 Hz
Channel : Front = FID Run Time : 25.145 min

** Star Chromatography Workstation Version 5.52 ** 00243-0E08-D91-22B9 **

Chart Speed = 1.05 cm/min Attenuation = 5696 Zero Offset = 1%
Start Time = 0.000 min End Time = 19.000 min Min / Tick = 1.00



ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: November 29/2002
Date Sampled: November 27/2002
Date of Report: December 13/2002
Page 1 of 2

WATER ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC44165

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	EPA Reference Method	MDL	Sample ID			
						02-11874	02-11875	02-11876	02-11877
						BH02-12-01	BH02-12-02	BH02-12-03	BH02-12-04
ME/RP	2002/11/29	Acenaphthene	µg/L (ppb)	3510c/8270c	0.01	4.0	4.6	<0.01	9.5
ME/RP	2002/11/29	Acenaphthylene	µg/L (ppb)	3510c/8270c	0.01	<0.01	0.04	<0.01	0.07
ME/RP	2002/11/29	Acridine	µg/L (ppb)	3510c/8270c	0.07	0.72	0.04	<0.07	<0.07
ME/RP	2002/11/29	Anthracene	µg/L (ppb)	3510c/8270c	0.007	3.2	0.030	<0.007	0.40
ME/RP	2002/11/29	Benzo(a)anthracene	µg/L (ppb)	3510c/8270c	0.006	2.7	0.049	0.014	0.073
ME/RP	2002/11/29	Benzo(a)pyrene	µg/L (ppb)	3510c/8270c	0.005	1.9	0.029	0.007	0.025
ME/RP	2002/11/29	Benzo(b + j + k)fluoranthene	µg/L (ppb)	3510c/8270c	0.08	4.2	<0.08	<0.08	<0.08
ME/RP	2002/11/29	Benzo(g,h,i)perylene	µg/L (ppb)	3510c/8270c	0.02	1.2	<0.02	<0.02	<0.02
ME/RP	2002/11/29	Chrysene	µg/L (ppb)	3510c/8270c	0.01	4.5	0.04	0.02	0.04
ME/RP	2002/11/29	Dibenzo(a,h)anthracene	µg/L (ppb)	3510c/8270c	0.02	0.32	<0.02	<0.02	<0.02
ME/RP	2002/11/29	Fluoranthene	µg/L (ppb)	3510c/8270c	0.04	5.6	0.09	<0.04	0.22
ME/RP	2002/11/29	Fluorene	µg/L (ppb)	3510c/8270c	0.02	2.8	1.3	<0.02	2.4
ME/RP	2002/11/29	Indeno(1,2,3-cd)pyrene	µg/L (ppb)	3510c/8270c	0.02	1.2	<0.02	<0.02	<0.02
ME/RP	2002/11/29	Naphthalene	µg/L (ppb)	3510c/8270c	0.05	39	102	<0.05	6.4
ME/RP	2002/11/29	Phenanthrene	µg/L (ppb)	3510c/8270c	0.01	11	0.22	0.03	1.2
ME/RP	2002/11/29	Pyrene	µg/L (ppb)	3510c/8270c	0.02	5.5	0.12	0.05	0.18
ME/RP	2002/11/29	Quinoline	µg/L (ppb)	3510c/8270c	0.06	<0.06	<0.06	<0.06	<0.06
		Surrogate Compound	Units						
ME/RP	2002/11/29	2-fluorobiphenyl	%			105	83	83	84
ME/RP	2002/11/29	Terphenyl d-14	%			111	104	97	111

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.
Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: November 29/2002
Date Sampled: November 27/2002
Date of Report: December 13/2002
Page 2 of 2

WATER ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC44165

Analyst	Date of Analysis (yyyy/mm/d)	Analytical Parameter	Units	EPA Reference Method	MDL	Sample ID			
						02-11878	02-11879	02-11880	02-11881
						BH02-12-05	BH02-12-06	BH02-12-07	BH02-12-01 (Filtered)
ME/RP	2002/11/29	Acenaphthene	µg/L (ppb)	3510c/8270c	0.01	0.05	0.39	7.1	1.3
ME/RP	2002/11/29	Acenaphthylene	µg/L (ppb)	3510c/8270c	0.01	<0.01	0.06	0.29	0.02
ME/RP	2002/11/29	Acridine	µg/L (ppb)	3510c/8270c	0.07	<0.07	0.05	0.36	<0.07
ME/RP	2002/11/29	Anthracene	µg/L (ppb)	3510c/8270c	0.007	<0.007	1.2	4.8	0.27
ME/RP	2002/11/29	Benzo(a)anthracene	µg/L (ppb)	3510c/8270c	0.006	<0.006	2.3	8.2	0.057
ME/RP	2002/11/29	Benzo(a)pyrene	µg/L (ppb)	3510c/8270c	0.005	0.035	1.5	5.7	<0.005
ME/RP	2002/11/29	Benzo(b + j + k)fluoranthene	µg/L (ppb)	3510c/8270c	0.08	0.10	2.9	9.9	<0.08
ME/RP	2002/11/29	Benzo(g,h,i)perylene	µg/L (ppb)	3510c/8270c	0.02	0.03	0.77	3.1	<0.02
ME/RP	2002/11/29	Chrysene	µg/L (ppb)	3510c/8270c	0.01	0.06	2.4	8.3	0.14
ME/RP	2002/11/29	Dibenzo(a,h)anthracene	µg/L (ppb)	3510c/8270c	0.02	<0.02	0.56	2.2	<0.02
ME/RP	2002/11/29	Fluoranthene	µg/L (ppb)	3510c/8270c	0.04	0.06	0.06	12	<0.04
ME/RP	2002/11/29	Fluorene	µg/L (ppb)	3510c/8270c	0.02	<0.02	0.90	8.2	0.25
ME/RP	2002/11/29	Indeno(1,2,3-cd)pyrene	µg/L (ppb)	3510c/8270c	0.02	<0.02	0.58	2.2	<0.02
ME/RP	2002/11/29	Naphthalene	µg/L (ppb)	3510c/8270c	0.05	2.2	0.23	50	26
ME/RP	2002/11/29	Phenanthrene	µg/L (ppb)	3510c/8270c	0.01	<0.01	4.6	18	0.08
ME/RP	2002/11/29	Pyrene	µg/L (ppb)	3510c/8270c	0.02	0.09	4.5	12	0.04
ME/RP	2002/11/29	Quinoline	µg/L (ppb)	3510c/8270c	0.06	<0.06	<0.06	0.13	<0.06
Surrogate Compound									
ME/RP	2002/11/29	2-fluorobiphenyl	%			68	108	100	4*
ME/RP	2002/11/29	Terphenyl d-14	%			107	134	115	1*

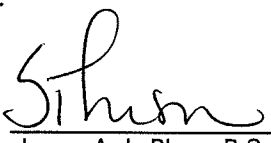
MDL: Method Detection Limit

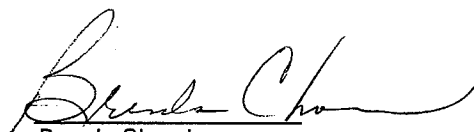
EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.

Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

*NOTE: Sample filtered through 0.45µ filter paper prior to extraction, the affect of the filtering process on the analyte of interest has not been determined.

Report reviewed by:

for

James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

ANALYTICAL REPORT

AMEC Earth & Environmental Limited
Burnaby, British Columbia

Date Received: November 29/2002
Date Sampled: November 27/2002
Date of Report: December 13/2002

WATER ANALYSIS

Attention: Chad Taylor

Project No.: VE51267

File No.: EC44165

Analyst	Date of Analysis (yyyy/mm/dd)	Analytical Parameter	Units	EPA Reference Method	MDL	Sample ID		
						02-11877a	02-11878a	02-11879a
						BH02-7-04	BH02-7-05	BH02-7-06
ME/RP	2002/11/29	Acenaphthene	µg/L (ppb)	3510c/8270c	0.01	<0.01	<0.01	<0.01
ME/RP	2002/11/29	Acenaphthylene	µg/L (ppb)	3510c/8270c	0.01	<0.01	<0.01	<0.01
ME/RP	2002/11/29	Acridine	µg/L (ppb)	3510c/8270c	0.07	<0.07	<0.07	<0.07
ME/RP	2002/11/29	Anthracene	µg/L (ppb)	3510c/8270c	0.007	<0.007	<0.007	<0.007
ME/RP	2002/11/29	Benzo(a)anthracene	µg/L (ppb)	3510c/8270c	0.006	0.026	0.021	0.019
ME/RP	2002/11/29	Benzo(a)pyrene	µg/L (ppb)	3510c/8270c	0.005	0.014	0.011	<0.005
ME/RP	2002/11/29	Benzo(b + j + k)fluoranthene	µg/L (ppb)	3510c/8270c	0.08	<0.08	<0.08	<0.08
ME/RP	2002/11/29	Benzo(g,h,i)perylene	µg/L (ppb)	3510c/8270c	0.02	<0.02	<0.02	<0.02
ME/RP	2002/11/29	Chrysene	µg/L (ppb)	3510c/8270c	0.01	0.02	0.02	0.01
ME/RP	2002/11/29	Dibenzo(a,h)anthracene	µg/L (ppb)	3510c/8270c	0.02	<0.02	<0.02	<0.02
ME/RP	2002/11/29	Fluoranthene	µg/L (ppb)	3510c/8270c	0.04	0.05	<0.04	0.06
ME/RP	2002/11/29	Fluorene	µg/L (ppb)	3510c/8270c	0.02	<0.02	<0.02	<0.02
ME/RP	2002/11/29	Indeno(1,2,3-cd)pyrene	µg/L (ppb)	3510c/8270c	0.02	<0.02	<0.02	<0.02
ME/RP	2002/11/29	Naphthalene	µg/L (ppb)	3510c/8270c	0.05	0.20	<0.05	<0.05
ME/RP	2002/11/29	Phenanthrene	µg/L (ppb)	3510c/8270c	0.01	0.05	0.03	0.02
ME/RP	2002/11/29	Pyrene	µg/L (ppb)	3510c/8270c	0.02	0.06	0.05	0.05
ME/RP	2002/11/29	Quinoline	µg/L (ppb)	3510c/8270c	0.06	<0.06	<0.06	<0.06
		Surrogate Compound	Units					
ME/RP	2002/11/29	2-fluorobiphenyl	%			95	75	92
ME/RP	2002/11/29	Terphenyl d-14	%			134	126	143

MDL: Method Detection Limit

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III.
Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

Report reviewed by:

James A. LeBlanc
James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services

Brenda Chomin
Brenda Chomin
Manager
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ANALYTICAL REPORT

AMEC Earth & Environmental Ltd
2227 Douglas Road
Burnaby, BC V5C 5A9

Date Received: 1/23/03
Date Sampled: 1/22/03
Date of Report: 2/3/03

Water Analysis - Polycyclic Aromatic Hydrocarbons

Attention: Taylor, Chad

Project No. VE51267

File No.: EC-44397

	Date of Analysis	Analytical		Reference		03-1402 BH02-12-01	03-1403 BH02-12-01 (Filtered)	03-1404 BH02-12-02	03-1405 BH02-12-02 (Filtered)	03-1406 BH02-12-06
Analyst	(yyyy/m/d)	Parameter	Units	Method	MDL					
ME	2003/01/24	Acenaphthene	ug/L (ppb)	EPA 3510/8270C	0.01	3.6	0.47	4.6	1.6	0.16
ME	2003/01/24	Acridine	ug/L (ppb)	EPA 3510/8270C	0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07
ME	2003/01/24	Anthracene	ug/L (ppb)	EPA 3510/8270C	0.007	1.0	< 0.007	< 0.007	< 0.007	0.30
ME	2003/01/24	Benzo(a)anthracene	ug/L (ppb)	EPA 3510/8270C	0.006	1.9	0.050	0.073	0.057	1.0
ME	2003/01/24	Benzo(a)pyrene	ug/L (ppb)	EPA 3510/8270C	0.005	1.6	< 0.005	0.011	< 0.005	0.45
ME	2003/01/24	Chrysene	ug/L (ppb)	EPA 3510/8270C	0.01	3.0	< 0.01	< 0.01	0.08	0.09
ME	2003/01/24	Fluoranthene	ug/L (ppb)	EPA 3510/8270C	0.04	3.9	< 0.04	< 0.04	< 0.04	1.3
ME	2003/01/24	Fluorene	ug/L (ppb)	EPA 3510/8270C	0.02	0.15	0.47	0.96	0.05	0.31
ME	2003/01/24	Naphthalene	ug/L (ppb)	EPA 3510/8270C	0.05	28	10	51	44	0.20
ME	2003/01/24	Phenanthrene	ug/L (ppb)	EPA 3510/8270C	0.01	6.3	0.02	0.19	0.02	1.9
ME	2003/01/24	Pyrene	ug/L (ppb)	EPA 3510/8270C	0.02	3.5	< 0.02	< 0.02	< 0.02	1.4
ME	2003/01/24	Quinoline	ug/L (ppb)	EPA 3510/8270C	0.06	< 0.06	< 0.06	< 0.06	< 0.06	< 0.06

*Note: Sample numbers 03-1403, 1405, 1407 were filtered through 0.45u filter paper prior to extraction. Filtered Jan 23/2003.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III. Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

MDL - Method Detection Limit

Note: All Analytical results pertain to samples analyzed as received.

Report reviewed by:

for

James A. LeBlanc

James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services

AMEC Earth & Environmental Limited has been certified by the Canadian Association for Environmental Analytical Laboratories (CAEAL) Inc. for specific tests registered with the Association.

** All samples will be disposed of after 30 days following analysis. Please contact the lab if you require additional sample storage time. (Samples deemed hazardous will be returned to the client at their own expense or disposal will be arranged.) **

Brenda Chomin
Brenda Chomin
Manager
Laboratory Services



amec

Date Received: 1/23/03
Date Sampled: 1/22/03
Date of Report: 2/3/03

File No.: EC-44397

Note: All Analytical results pertain to samples analyzed as received.

Standard Council of Canada
Approved Logos
Scope of Accreditation: 601



Standard Council of Canada
Approved Logos
Scope of Accreditation: 242

ANALYTICAL REPORT

AMEC Earth & Environmental Ltd
2227 Douglas Road
Burnaby, BC V5C 5A9

Date Received: 2003/02/19
Date Sampled: 2003/02/18
Date of Report: 2003/03/04

Water Analysis - Polycyclic Aromatic Hydrocarbons

Attention: Taylor, Chad

Project No. VE51267

File No.: EC-44514

	Date of Analysis	Analytical		Reference		03-2116 BH02-12-01	03-2117 BH02-12-01 (filtered)	03-2118 BH02-12-02	03-2119 BH02-12-02 (filtered)	03-2120 BH02-12-06
Analyst	(yyyy/m/d)	Parameter	Units	Method	MDL					
ME	2003/02/27	Acenaphthene	µg/L (ppb)	EPA 3510/8270C	0.01	1.1	0.37	0.54	0.51	< 0.01
ME	2003/02/27	Acridine	µg/L (ppb)	EPA 3510/8270C	0.07	< 0.07	< 0.07	< 0.07	< 0.07	< 0.07
ME	2003/02/27	Anthracene	µg/L (ppb)	EPA 3510/8270C	0.007	0.66	< 0.007	< 0.007	< 0.007	0.058
ME	2003/02/27	Benzo(a)anthracene	µg/L (ppb)	EPA 3510/8270C	0.006	0.79	0.008	< 0.006	0.012	0.18
ME	2003/02/27	Benzo(a)pyrene	µg/L (ppb)	EPA 3510/8270C	0.005	0.16	< 0.005	< 0.005	< 0.005	0.011
ME	2003/02/27	Chrysene	µg/L (ppb)	EPA 3510/8270C	0.01	0.66	< 0.01	< 0.01	< 0.01	< 0.01
ME	2003/02/27	Fluoranthene	µg/L (ppb)	EPA 3510/8270C	0.04	1.5	< 0.04	< 0.04	< 0.04	0.12
ME	2003/02/27	Fluorene	µg/L (ppb)	EPA 3510/8270C	0.02	0.84	0.05	0.54	0.05	0.03
ME	2003/02/27	Naphthalene	µg/L (ppb)	EPA 3510/8270C	0.05	7.7	18	4.3	4.7	0.14
ME	2003/02/27	Phenanthrene	µg/L (ppb)	EPA 3510/8270C	0.01	2.5	0.04	0.03	0.04	0.20
ME	2003/02/27	Pyrene	µg/L (ppb)	EPA 3510/8270C	0.02	1.3	< 0.02	< 0.02	< 0.02	< 0.02
ME	2003/02/27	Quinoline	µg/L (ppb)	EPA 3510/8270C	0.06	0.07	0.06	< 0.06	< 0.06	< 0.06
ME	2003/02/27	Surrogate 1 Recovery	%	—	0.1	102	4.8	99.6	1.4	80.1
ME	2003/02/27	Surrogate 2 Recovery	%	—	0.1	95.8	< 0.1	114	< 0.1	102

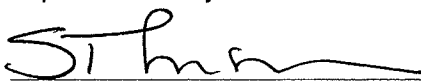
All Analytical results pertain to samples analyzed as received.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III. Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

MDL - Method Detection Limit

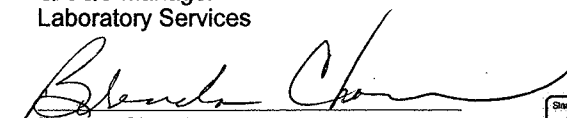
NOTE: Samples 03-2117, 03-2119 & 03-2121 were filtered through 0.45µm filter paper prior to extraction and analysis.

Report reviewed by:

for 
James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services

AMEC Earth & Environmental Limited has been certified by the Canadian Association for Environmental Analytical Laboratories (CAEAL) Inc. for specific tests registered with the Association.

** All samples will be disposed of after 30 days following analysis. Please contact the lab if you require additional sample storage time. (Samples deemed hazardous will be returned to the client at their own expense or disposal will be arranged.) **


Brenda Chomin
Manager
Laboratory Services



ANALYTICAL REPORT

AMEC Earth & Environmental Ltd
2227 Douglas Road
Burnaby, BC V5C 5A9

Date Received: 2003/02/19
Date Sampled: 2003/02/18
Date of Report: 2003/03/04

Water Analysis - Polycyclic Aromatic Hydrocarbons

Attention: Taylor, Chad

Project No. VE51267

File No.: EC-44514

	Date of Analysis	Analytical		Reference		03-2121 BH02-12-06 (filtered)
Analyst	(yyyy/m/d)	Parameter	Units	Method	MDL	
ME	2003/02/27	Acenaphthene	µg/L (ppb)	EPA 3510/8270C	0.01	0.07
ME	2003/02/27	Acridine	µg/L (ppb)	EPA 3510/8270C	0.07	< 0.07
ME	2003/02/27	Anthracene	µg/L (ppb)	EPA 3510/8270C	0.007	< 0.007
ME	2003/02/27	Benzo(a)anthracene	µg/L (ppb)	EPA 3510/8270C	0.006	< 0.006
ME	2003/02/27	Benzo(a)pyrene	µg/L (ppb)	EPA 3510/8270C	0.005	< 0.005
ME	2003/02/27	Chrysene	µg/L (ppb)	EPA 3510/8270C	0.01	< 0.01
ME	2003/02/27	Fluoranthene	µg/L (ppb)	EPA 3510/8270C	0.04	< 0.04
ME	2003/02/27	Fluorene	µg/L (ppb)	EPA 3510/8270C	0.02	< 0.02
ME	2003/02/27	Naphthalene	µg/L (ppb)	EPA 3510/8270C	0.05	0.36
ME	2003/02/27	Phenanthrene	µg/L (ppb)	EPA 3510/8270C	0.01	0.03
ME	2003/02/27	Pyrene	µg/L (ppb)	EPA 3510/8270C	0.02	< 0.02
ME	2003/02/27	Quinoline	µg/L (ppb)	EPA 3510/8270C	0.06	< 0.06
ME	2003/02/27	Surrogate 1 Recovery	%	-	0.1	2.6
ME	2003/02/27	Surrogate 2 Recovery	%	-	0.1	1.9

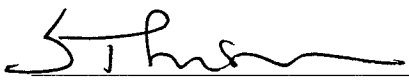
All Analytical results pertain to samples analyzed as received.

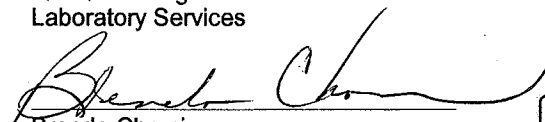
EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III. Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

MDL - Method Detection Limit

NOTE: Samples 03-2117, 03-2119 & 03-2121 were filtered through 0.45µm filter paper prior to extraction and analysis.

Report reviewed by:


for James A. LeBlanc, B.Sc.
QA/QC Manager
Laboratory Services


Brenda Chomin
Manager
Laboratory Services

AMEC Earth & Environmental Limited has been certified by the Canadian Association for Environmental Analytical Laboratories (CAEAL) Inc. for specific tests registered with the Association.

** All samples will be disposed of after 30 days following analysis.
Please contact the lab if you require additional sample storage time.
(Samples deemed hazardous will be returned to the client at their own expense or disposal will be arranged.) **



ANALYTICAL REPORT

AMEC Earth & Environmental Ltd
2227 Douglas Road
Burnaby, BC V5C 5A9

Date Received: 2003/05/21
Date Sampled: 2003/05/20
Date of Report: 2003/06/03

Water Analysis - Polycyclic Aromatic Hydrocarbons

Attention: Taylor, Chad

Project No. VE51267

File No.: EC-44924

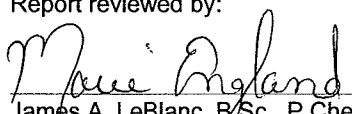
Analyst	Date of Analysis (yyyy/m/d)	Analytical Parameter	Units	Reference Method	MDL	03-4155 BH03-12-01	03-4156 BH03-12-02
LN	2003/05/21	Acenaphthene	µg/L (ppb)	EPA 3510/8270C	0.01	< 0.01	< 0.01
LN	2003/05/21	Acridine	µg/L (ppb)	EPA 3510/8270C	0.07	< 0.07	< 0.07
LN	2003/05/21	Anthracene	µg/L (ppb)	EPA 3510/8270C	0.007	< 0.007	< 0.007
LN	2003/05/21	Benzo(a)anthracene	µg/L (ppb)	EPA 3510/8270C	0.006	< 0.006	< 0.006
LN	2003/05/21	Benzo(a)pyrene	µg/L (ppb)	EPA 3510/8270C	0.005	< 0.005	< 0.005
LN	2003/05/21	Chrysene	µg/L (ppb)	EPA 3510/8270C	0.01	< 0.01	< 0.01
LN	2003/05/21	Fluoranthene	µg/L (ppb)	EPA 3510/8270C	0.04	< 0.04	< 0.04
LN	2003/05/21	Fluorene	µg/L (ppb)	EPA 3510/8270C	0.02	< 0.02	< 0.02
LN	2003/05/21	Naphthalene	µg/L (ppb)	EPA 3510/8270C	0.07	< 0.07	< 0.07
LN	2003/05/21	Phenanthrene	µg/L (ppb)	EPA 3510/8270C	0.01	< 0.01	< 0.01
LN	2003/05/21	Pyrene	µg/L (ppb)	EPA 3510/8270C	0.02	< 0.02	< 0.02
LN	2003/05/21	Quinoline	µg/L (ppb)	EPA 3510/8270C	0.06	< 0.06	< 0.06
LN	2003/05/21	Surrogate 1 Recovery	%	—	0.1	65.1	—
LN	2003/05/21	Surrogate 2 Recovery	%	—	0.1	91.4	56.0

All Analytical results pertain to samples analyzed as received.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III. Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

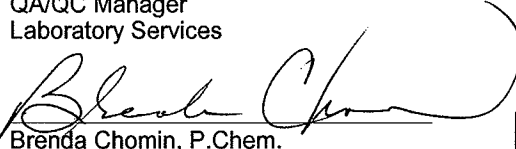
MDL - Method Detection Limit

Report reviewed by:

for 
James A. LeBlanc, B.Sc., P.Chem.
QA/QC Manager
Laboratory Services

AMEC Earth & Environmental Limited has been certified by the Canadian Association for Environmental Analytical Laboratories (CAEAL) Inc. for specific tests registered with the Association.

** All samples will be disposed of after 30 days following analysis. Please contact the lab if you require additional sample storage time. (Samples deemed hazardous will be returned to the client at their own expense or disposal will be arranged.) **


Brenda Chomin, P.Chem.
Manager
Laboratory Services



ANALYTICAL REPORT

AMEC Earth & Environmental Ltd
2227 Douglas Road
Burnaby, BC V5C 5A9

Date of Report: 2003/06/03

Quality Control Standard

Attention: Taylor, Chad

Project No. VE51267

File No.: EC-44924

Analyst	Date of Analysis (yyyy/m/d)	Analytical Parameter	Units	Reference Method	MDL	Analyzed Value	Advisory Range	Target Value	Reference No.
LN	2003/05/21	Acridine	%	EPA 3510c/8270c	0.60	77	65-120	100.00	Spike Recovery
LN	2003/05/21	Anthracene	%	EPA 3510c/8270c	0.100	76	65-120	100.00	Spike Recovery
LN	2003/05/21	Benzo(a)anthracene	%	EPA 3510c/8270c	0.100	87	65-120	100.00	Spike Recovery
LN	2003/05/21	Benzo(a)pyrene	%	EPA 3510c/8270c	0.050	72	65-120	100.00	Spike Recovery
LN	2003/05/21	Chrysene	%	EPA 3510c/8270c	0.10	75	65-120	100.00	Spike Recovery
LN	2003/05/21	Fluoranthene	%	EPA 3510c/8270c	0.50	83	65-120	100.00	Spike Recovery
LN	2003/05/21	Naphthalene	%	EPA 3510c/8270c	0.30	77	65-120	100.00	Spike Recovery
LN	2003/05/21	Phenanthrene	%	EPA 3510c/8270c	0.10	81	65-120	100.00	Spike Recovery
LN	2003/05/21	Pyrene	%	EPA 3510c/8270c	0.20	79	65-120	100.00	Spike Recovery

All Analytical results pertain to samples analyzed as received.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III. Office Solid Waste Emergency Response, U.S. Environmental Agency, Washington, D.C.

MDL - Method Detection Limit

Report reviewed by:

James A. LeBlanc
Sgt James A. LeBlanc, B.Sc., P.Chem.
QA/QC Manager
Laboratory Services

Brenda Chomin
Brenda Chomin, P.Chem.
Manager
Laboratory Services

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ANALYTICAL REPORT

AMEC Earth & Environmental Ltd
2227 Douglas Road
Burnaby, BC V5C 5A9

Date Received: 2003/07/15
Date Sampled: 2003/07/11
Date of Report: 2003/07/24

Water Analysis - Polycyclic Aromatic Hydrocarbons

Attention: Taylor, Chad

Project No. VE51267

File No.: EC-45348

	Date of Analysis	Analytical		Reference		03-6389 BH03-12-01	03-6390 BH03-12-01 Field Dup
Analyst	(yyyy/m/d)	Parameter	Units	Method	MDL		
LN	2003/07/18	Acenaphthene	µg/L (ppb)	EPA 3510/8270C	0.01	< 0.01	< 0.01
LN	2003/07/18	Acridine	µg/L (ppb)	EPA 3510/8270C	0.07	< 0.07	< 0.07
LN	2003/07/18	Anthracene	µg/L (ppb)	EPA 3510/8270C	0.007	< 0.007	< 0.007
LN	2003/07/18	Benzo(a)anthracene	µg/L (ppb)	EPA 3510/8270C	0.006	< 0.006	< 0.006
LN	2003/07/18	Benzo(a)pyrene	µg/L (ppb)	EPA 3510/8270C	0.005	< 0.005	< 0.005
LN	2003/07/18	Chrysene	µg/L (ppb)	EPA 3510/8270C	0.01	< 0.01	< 0.01
LN	2003/07/18	Fluoranthene	µg/L (ppb)	EPA 3510/8270C	0.04	< 0.04	< 0.04
LN	2003/07/18	Fluorene	µg/L (ppb)	EPA 3510/8270C	0.02	< 0.02	< 0.02
LN	2003/07/18	Naphthalene	µg/L (ppb)	EPA 3510/8270C	0.07	< 0.07	0.12
LN	2003/07/18	Phenanthrene	µg/L (ppb)	EPA 3510/8270C	0.01	< 0.01	< 0.01
LN	2003/07/18	Pyrene	µg/L (ppb)	EPA 3510/8270C	0.02	< 0.02	< 0.02
LN	2003/07/18	Quinoline	µg/L (ppb)	EPA 3510/8270C	0.06	< 0.06	< 0.06
LN	2003/07/18	Surrogate 1 Recovery	%	-	0.1	66.2	57.6
LN	2003/07/18	Surrogate 2 Recovery	%	-	0.1	85.6	66.7

All Analytical results pertain to samples analyzed as received.

EPA: U.S. Environmental Protection Agency. 1997. Test Methods of Evaluation of Solid Waste 3rd Ed through Update III. Office Solid Waste Emergency Response, U.S. Environmental Protection Agency, Washington, D.C.

MDL - Method Detection Limit

Report reviewed by: -

James A. LeBlanc, B.Sc., P.Chem.
QA/QC Manager
Laboratory Services

Brenda Chomin, P.Chem.
Manager
Laboratory Services

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APPENDIX G

SOIL DISPOSAL DOCUMENTATION

MATERIAL DESIGNATION SLIP

JOB #

CP-710-255

35651

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

#148

☐ Other

Source Site Address: 3252 Lowland Hwy, Canby

Destination: 2652 River Rd, Clatsop (Hwy 101)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

- ☒ RL Contaminants ☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED
- ☐ CL/IL Contaminants
- ☐ W Contaminants Manifest #

Contaminants of Concern / Comments:

CTEX 14124

Project Load #

Time Shipped

Date

Truck Licence

Trailer Licence

Signature Authorized Site Representative

Name For

Trucker's signature

ET Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB #

DP-910-255

35652

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other

Source Site Address: 3722 Longford Hwy, Surrey

Destination: 5552 River Rd, Delta (UK)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ RL Contaminants

☐ CL/IL Contaminants

☐ W Contaminants

☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

Manifest #

Contaminants of Concern / Comments:

ITEX / UPH

Project Load #

Time Shipped

Date

Truck Licence

Trailer Licence

Signature Authorized Site Representative

Name For

Trucker's signature

LT Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB #

DP-910-255

35653

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other

Source Site Address: 3722 Longford Hwy, Surrey

Destination: 5552 River Rd, Delta (UK)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ RL Contaminants

☐ CL/IL Contaminants

☐ W Contaminants

☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

Manifest #

Contaminants of Concern / Comments:

ITEX / UPH

Project Load #

Time Shipped

Date

Truck Licence

Trailer Licence

Signature Authorized Site Representative

Name For

Trucker's signature

LT Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB #

DP-997-255

35654

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

113

☐ Other

Source Site Address: 5222 Leachwood Hwy, Burnaby

Destination: 5552 River Rd, Coquitlam (Hwy 1)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ RL Contaminants ☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

☐ CL/IL Contaminants

☐ W Contaminants

Manifest #

Contaminants of Concern / Comments:

BTX / UPH

Project Load #

Time Shipped

Date

Truck Licence

Trailer Licence

Signature Authorized Site Representative

For

Trucker's signature

LT Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB #

DP-997-255

35655

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

113

☐ Other

Source Site Address: 5222 Leachwood Hwy, Burnaby

Destination: 5552 River Rd, Coquitlam (Hwy 1)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ RL Contaminants ☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

☐ CL/IL Contaminants

☐ W Contaminants

Manifest #

Contaminants of Concern / Comments:

BTX / UPH

Project Load #

Time Shipped

Date

Truck Licence

Trailer Licence

Signature Authorized Site Representative

For

Trucker's signature

LT Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB #

CP-990-255

35656

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other

Source Site Address: 3777 Longwood Hwy, Bly
Destination: 8662 River Road Delta (W12.1g)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ RL Contaminants

☐ CL/IL Contaminants

☐ W Contaminants

☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

Manifest #

Contaminants of Concern / Comments:

Project Load #

Time Shipped

Date

Truck Licence

Trailer Licence

Signature Authorized Site Representative

Name
For

Trucker's signature

LT Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB #

DP-990-255

35657

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other

Source Site Address: 3777 Longwood Hwy, Bly
Destination: 8662 River Road Delta (W12.1g)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ RL Contaminants

☐ CL/IL Contaminants

☐ W Contaminants

☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

Manifest #

Contaminants of Concern / Comments:

Project Load #

Time Shipped

Date

Truck Licence

Trailer Licence

Signature Authorized Site Representative

Name
For

Trucker's signature

LT Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # DP-990-255 35658
#148

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other _____

Source Site Address: 3777 Longbeed Hwy, Bly
Destination: 8662 River Road Delta (Ut25)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED
☐ **CL/IL** Contaminants
☐ **W** Contaminants Manifest # _____

Contaminants of Concern / Comments: _____

BTEx / UPH

Project Load # 008 Time Shipped 09:45 Date 08/14/02

Truck Licence 9055 AS Trailer Licence 239 96W

Signature Authorized Site Representative [Signature] For Name B.C. Gas

Trucker's signature _____ LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature _____ Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # DP-990-255 35659
#148

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other _____

Source Site Address: 3777 Longbeed Hwy, Bly
Destination: 8662 River Road Delta (Ut29)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED
☐ **CL/IL** Contaminants
☐ **W** Contaminants Manifest # _____

Contaminants of Concern / Comments: _____

BTEx / UPH

Project Load # 009 Time Shipped 09:55 Date 08/14/02

Truck Licence 7793 DK Trailer Licence 2655-16W

Signature Authorized Site Representative [Signature] For Name B.C. Gas

Trucker's signature _____ LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature _____ Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # DP 990-255

35660

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

#148

☐ Other

Source Site Address: 3777 longhead Hwy Bby

Destination: 8662 River Road Delta (Utzig)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ RL Contaminants ☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

☐ CL/IL Contaminants

☐ W Contaminants

Manifest #

Contaminants of Concern / Comments:

BTEX / UPH

010 10:05 08/14/02

Project Load #

Time Shipped

Date

Truck License

Trailer Licence

Signature Authorized Site Representative

For

Trucker's signature

LT Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # DP 990-255

35661

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

#148

☐ Other

Source Site Address: 3777 longhead Hwy Bby

Destination: 8662 River Road Delta (Utzig)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ RL Contaminants ☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

☐ CL/IL Contaminants

☐ W Contaminants

Manifest #

Contaminants of Concern / Comments:

BTEX / UPH

011 10:15 08/14/02

Project Load #

Time Shipped

Date

Truck License

Trailer Licence

Signature Authorized Site Representative

For

Trucker's signature

LT Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # DP 990-255

35662

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

#148

☐ Other

Source Site Address: 3777 Lougheed Hwy Bby

Destination: 8662 River Road Delta

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ RL Contaminants

☐ CL/IL Contaminants

☐ W Contaminants

☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

Manifest # _____

Contaminants of Concern / Comments:

BTEX / UPH

012
Project Load #

10:45
Time Shipped

08/14/02
Date

2473 OH
Truck Licence

5422-SW
Trailer Licence

[Signature]
Signature Authorized Site Representative

B.C. Gas
Name For

[Signature]
Trucker's Signature

LT Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # DP-990-255

35663

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

#148

☐ Other

Source Site Address: 3777 Lougheed Hwy Bby

Destination: 8662 River Road Delta (Vizig)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ RL Contaminants

☐ CL/IL Contaminants

☐ W Contaminants

☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

Manifest # _____

Contaminants of Concern / Comments:

BTEX / UPH

013
Project Load #

11:25
Time Shipped

08/14/02
Date

3394-EK
Truck Licence

4334-7W
Trailer Licence

[Signature]
Signature Authorized Site Representative

B.C. Gas
Name For

[Signature]
Trucker's Signature

LT Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # DP 990-255

35665

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

#148

☐ Other _____

Source Site Address: 3777 Lougheed Hwy, Bby

Destination: 8662 River Road, Delta (Vtzig)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

☐ **CL/IL** Contaminants

☐ **W** Contaminants Manifest # _____

Contaminants of Concern / Comments: _____

BTEX / UPH

Project Load # 015 Time Shipped 11:42 Date 08/14/02

Truck License 9793 VK Trailer Licence 2655-1W

Signature Authorized Site Representative [Signature] For B.C. Gas

Trucker's signature [Signature] LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature _____

Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # DP 990-255

35664

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

#148

☐ Other _____

Source Site Address: 3777 Lougheed Hwy, Bby

Destination: 8662 River Road, Delta (Vtzig)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

☐ **CL/IL** Contaminants

☐ **W** Contaminants Manifest # _____

Contaminants of Concern / Comments: _____

BTEX / UPH

Project Load # 014 Time Shipped 11:5 Date 08/14/02

Truck License 9055 B5 Trailer Licence 5238-9W

Signature Authorized Site Representative [Signature] For B.C. Gas

Trucker's signature [Signature] LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature _____

Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # DP-990-255

35656

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

#148

☐ Other

Source Site Address: 3777 Lougheed Hwy. Bby

Destination: 8662 River Road, Delta (ulzig)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ RL Contaminants ☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED
☐ CL/IL Contaminants
☐ W Contaminants Manifest #

Contaminants of Concern / Comments:

BTX / UPH

616 Project Load # 08/14/02 Date

9255 OD Truck License 5003-7W Trailer License

Signature of Authorized Site Representative For Name B.C. Gas

Trucker's signature LT Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # DP-990-255

35657

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

#148

☐ Other

Source Site Address: 3777 Lougheed Hwy. Bby

Destination: 8662 River Road, Delta (ulzig)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ RL Contaminants ☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED
☐ CL/IL Contaminants
☐ W Contaminants Manifest #

Contaminants of Concern / Comments:

BTX / UPH

017 Project Load # 12:00 Time Shipped 08/14/02 Date

3518-EW Truck License 8599-6W Trailer License

Signature of Authorized Site Representative For Name B.C. Gas

Trucker's signature LT Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # DP 990-255

35669

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

H148

☐ Other _____

Source Site Address: 3777 Louheed Hwy Bby
Destination: 8662 River Road Delta (Colzig)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED
☐ **CL/IL** Contaminants
☐ **W** Contaminants Manifest # _____

Contaminants of Concern / Comments: _____

BTEX / UPH

Project Load # 019 Time Shipped 3:15 Date 08/14/02

Truck Licence 3894-EK Trailer Licence 4334-7C

Signature [Signature] Authorized Site Representative For Name B.L. Gas

Trucker's signature [Signature] LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature _____

Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # DP 990-255

35668

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

H148

☐ Other _____

Source Site Address: 3777 Louheed Hwy Bby
Destination: 8662 River Road Delta (Colzig)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED
☐ **CL/IL** Contaminants
☐ **W** Contaminants Manifest # _____

Contaminants of Concern / Comments: _____

BTEX / UPH

Project Load # 618 Time Shipped 12:20 Date 08/14/02

Truck Licence 2472-C Trailer Licence 5922-SW

Signature [Signature] Authorized Site Representative For Name B.L. Gas

Trucker's signature [Signature] LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature _____

Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # DP-990-255 **35671**
#148

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other

Source Site Address: 3777 Langford Hwy, Bly
Destination: 8662 River Rd, Delta (Colzig)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED
☐ **CL/IL** Contaminants
☐ **W** Contaminants Manifest # _____

Contaminants of Concern / Comments:

BTEX / UPH

Project Load # 021 Time Shipped 1:40 Date 05/14/02

Truck License 9793 DK Trailer Licence 26551U

Signature Authorized Site Representative [Signature] For E.C. [Signature]

Trucker's signature _____ LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature _____

Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # DP-990-255 **35670**
#148

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other

Source Site Address: 3777 Langford Hwy, Bly
Destination: 8662 River Road Delta (Colzig)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED
☐ **CL/IL** Contaminants
☐ **W** Contaminants Manifest # _____

Contaminants of Concern / Comments:

BTEX / UPH

Project Load # 020 Time Shipped 1:36 Date 08/14/02

Truck License 9055 D Trailer Licence 52389W

Signature Authorized Site Representative [Signature] For B.C. [Signature]

Trucker's signature _____ LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature _____

Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # DP-990-255 **35673**
#113

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other _____

Source Site Address: 3922 Leighton Hwy, Burnaby
Destination: 3552 River Rd, Delta (Utah)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED
☐ **CL/IL** Contaminants
☐ **W** Contaminants Manifest # _____

Contaminants of Concern / Comments: _____

BTEX / VPH
Project Load # 033 Time Shipped 12:55 Date 03/14/02
Truck License 21A-FA Trailer Licence 9170 2W
Signature Authorized Site Representative [Signature] For B.C. H.S.

Trucker's signature _____ LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature _____ Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # DP-990-255 **35672**
#113

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other _____

Source Site Address: 3922 Leighton Hwy, Burnaby
Destination: _____

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED
☐ **CL/IL** Contaminants
☐ **W** Contaminants Manifest # _____

Contaminants of Concern / Comments: _____

BTEX / VPH
Project Load # 033 Time Shipped 1:46 Date 03/14/02
Truck License 4255 DD Trailer Licence 5003 7U
Signature Authorized Site Representative [Signature] For B.C. H.S.

Trucker's signature _____ LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature _____ Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # PP-990-255 **35678**
#148

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other

Source Site Address: 3777 Lougheed Hwy Bky
Destination: 8662 River Rd Delta (1415)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED
☐ **CL/IL** Contaminants
☐ **W** Contaminants Manifest # _____

Contaminants of Concern / Comments: _____

RTX1 VPH
Project Load # 025 Time Shipped 2:05 Date 08/14/02

Truck License 0094 3518EW Trailer Licence 85996W

Signature Authorized Site Representative [Signature] For Name B.C. Gas

Trucker's signature [Signature] LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature _____ Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB # EP-990-255 **35674**
#143

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other

Source Site Address: 3722 Lougheed Hwy Bky
Destination: 5612 River Rd, Delta (1415)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED
☐ **CL/IL** Contaminants
☐ **W** Contaminants Manifest # _____

Contaminants of Concern / Comments: _____

RTX1 VPH
Project Load # 024 Time Shipped 14:05 Date 08/14/02

Truck License 0694 EH Trailer Licence 3572 SW

Signature Authorized Site Representative [Signature] For Name B.C. Gas

Trucker's signature [Signature] LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature _____ Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other _____

Source Site Address: 3777 Longwood Hwy, Bklyn

Destination: 8662 River Rd, Dallas (Calgary)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

☐ **CL/IL** Contaminants

☐ **W** Contaminants

Manifest # _____

Contaminants of Concern / Comments: _____

BETA / UPH

Project Load # 026 Time Shipped 2:05 Date 08/14/02

Truck Licence 4833 BW Trailer Licence 9231 DP

Signature Authorized Site Representative [Signature] Name B.C. Gas

Trucker's signature _____ LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

JOB # DP 990-255 35676
#148

Receiver's Signature _____ Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other _____

Source Site Address: 3777 Longwood Hwy, Bklyn

Destination: 8662 River Rd, Dallas (Calgary)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

☐ **CL/IL** Contaminants

☐ **W** Contaminants

Manifest # _____

Contaminants of Concern / Comments: _____

BETA / UPH

Project Load # 027 Time Shipped 2:30 Date 08/14/02

Truck Licence 2473 CC Trailer Licence 5922SW

Signature Authorized Site Representative [Signature] Name B.C. Gas

Trucker's signature _____ LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

JOB # DP 990-255 35677
#148

Receiver's Signature _____ Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other

Source Site Address: 3777 Longbeed Hwy BBy

Destination: 8662 River Rd Delta (Vt 25)

JOB # OP-990-255 #148 **35678**

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

☐ **CL/IL** Contaminants

☐ **W** Contaminants Manifest # _____

Contaminants of Concern / Comments: BETA / JPH

Project Load # 028 Time Shipped _____ Date 08/14/02

Truck Licence 374 EK Trailer Licence 43311-7W

Signature Authorized Site Representative [Signature] Name BC Gas

Trucker's signature _____ LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature _____ Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other

Source Site Address: 3777 Longbeed Hwy BBy

Destination: 8662 River Rd Delta (Vt 25)

JOB # OP-990-255 #148 **35679**

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☐ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

☐ **CL/IL** Contaminants

☐ **W** Contaminants Manifest # _____

Contaminants of Concern / Comments: _____

Project Load # 029 Time Shipped 3:23 Date 08/14/02

Truck Licence 9055 BJ Trailer Licence 52389W

Signature Authorized Site Representative [Signature] Name BC Gas

Trucker's signature _____ LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature _____ Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other

Source Site Address: 3777 Langford Hwy Hwy

Destination: 8662 River Rd. Delta (Colts)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ RL Contaminants ☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

☐ CL/IL Contaminants

☐ W Contaminants

Manifest #

Contaminants of Concern / Comments:

030 / 15:30

Project Load #

Time Shipped

Date

Truck Licence

Trailer Licence

Signature Authorized Site Representative

Name

Trucker's signature

LT Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

JOB # DP-990-255 35680 #148

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other

Source Site Address: 3777 Langford Hwy Hwy

Destination: 8662 River Rd. Delta (Colts)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ RL Contaminants ☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

☐ CL/IL Contaminants

☐ W Contaminants

Manifest #

Contaminants of Concern / Comments:

Project Load #

Time Shipped

Date

Truck Licence

Trailer Licence

Signature Authorized Site Representative

Name

Trucker's signature

LT Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

JOB # DP-990-255 35681 #148

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB #

OP 990-255
#148

35683

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other

Source Site Address: 3777 Louheed Hwy, Bly

Destination: 8662 River Rd. Della (Gtzig)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ RL Contaminants ☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

☐ CL/IL Contaminants

☐ W Contaminants

Manifest #

Contaminants of Concern / Comments:

BETA / UPH

033
Project Load #

4:05
Time Shipped

08/14/02
Date

Truck Licence

Trailer Licence

Signature of Authorized Site Representative

Name B.C. bus
For

Truck Licence Signature

LT Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB #

OP 990-255
#148

35682

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other

Source Site Address: 3777 Louheed Hwy, Bly

Destination: 8662 River Rd. Della (Gtzig)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ RL Contaminants ☐ SW level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED

☐ CL/IL Contaminants

☐ W Contaminants

Manifest #

Contaminants of Concern / Comments:

Beta UPH

032
Project Load #

3:45
Time Shipped

08/14/02
Date

Truck Licence

Trailer Licence

Signature of Authorized Site Representative

Name B.C. bus
For

Truck Licence Signature

LT Licence / Other Truck Info

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature

Date

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB #

49351

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other

Source Site Address: BC Gas Langford Refinery

Destination: 1500 Williams Rd. Richmond

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9, Packing Group III as Environmentally Hazardous Substances, Solid, N.O.S.
☐ **CL/IL** Contaminants
☐ **W** Contaminants Manifest # _____

Contaminants of Concern / Comments: PAH's

Project Load # 834618 Time Shipped July 7/03 Date 1645-01

Truck License R Trailer License 1645-01

Signature Authority Site Representative [Signature] Name Ray, Rudy For [Signature]

Trucker's signature _____ LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

T 30609

Receiver's Signature SC

Date July 02/03

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

MATERIAL DESIGNATION SLIP

JOB #

35684

☒ Soil ☐ Concrete ☐ Demo Debris ☐ Asphalt

☐ Other

Source Site Address: 3777 Langford Hwy, Bby.

Destination: 8662 River Rd. Delta (V1Z 5J1)

SOIL CLASSIFICATION AND CARRIER IDENTIFICATION

Soil in this truck meets the British Columbia Contaminated Sites Regulations Soil Standards for:

☒ **RL** Contaminants ☐ **SW** level contaminants and are transported under UN3077, Class 9.2, Packaging Group III as Environmental Hazardous Substances, Solid N.O.S. - NO PLACARD REQUIRED
☐ **CL/IL** Contaminants
☐ **W** Contaminants Manifest # _____

Contaminants of Concern / Comments: BETX / OPH

Project Load # 034 Time Shipped 6:00 AM Date 08/15/02

Truck License 9248 DD Trailer License 6408 OW

Signature Authority Site Representative [Signature] Name B.C. Gas For [Signature]

Trucker's signature _____ LT Licence / Other Truck Info _____

By signing this soil designation slip, the carrier acknowledges possession of information regarding hazardous materials as described above.

Receiver's Signature _____

Date _____

WHITE - Consignor (Generator) CANARY - Carrier (Transporter) PINK - Consignee (Receiver) GOLDENROD - Invoicing Copy / Consignee (Receiver)

Ecowaste Industries Ltd.
200 - 10991 Shellbridge Way
Richmond, BC
V6X 3C6

GST R#: 87228 2165
Phone (604) 276-9511

Richmond Landfill

Site ID: RL

Load: 44

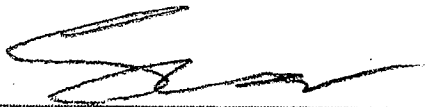
Ticket: 523512

Account:	4124	Quantum Remediation Inc. (4124)
Vehicle:	8346T	Kandola_Bros Trucking / Tranny 8346FK
Material:	T30609	Terasen 3777 Lougheed Hwy Bby

Date Jul 02,03 09:27 EC1
Cubic Yards 32.00

Gross	58,020 kg
Tare	20,698 kg
NET	37,322 kg

x



Signature

APPENDIX H

CITY OF BURNABY WATER DISCHARGE APPROVAL

Christine Christenson

From: Wong, Vincent [Vincent.Wong@city.burnaby.bc.ca]
Sent: Wednesday, April 16, 2003 3:52 PM
To: christine.christenson@amec.com
Subject: Discharge of Ground Water from Remediation Site Located at 3777 Lougheed,
To Christine,

As requested, Burnaby Environmental Services reviewed the laboratory results for the ground water collected from the subject remediation site. We have no objections to discharging it back onto the grounds of the site. Care must be taken during the process to prevent any sediment from entering the Burnaby Storm Sewer System (you may need to armour affected catch basins with gravel, hay bail etc...). Please contact the undersigned to advise when you intend to discharge the collected water.

Vincent Wong
Environmental Services Officer
Burnaby Engineering Department
City of Burnaby
4949 Canada Way
Burnaby, BC V5G 1M2

Tel: 604-294-7982
Fax: 604-294-7425

email: vincent.wong@city.burnaby.bc.ca

The contents of this posting or electronic mail messages are solely the writings, thoughts and/or ideas of the account holder and may not necessarily reflect those of the City of Burnaby. If you have any concerns about inappropriate use of this account, please e-mail: postmaster@city.burnaby.bc.ca

04/16/2003

APPENDIX I
PROTOCOL 5 REPORTING

Appendix C - Report Summary

CSR - PROTOCOL 5
November 2003

Site Information Summary

Common name of site (if applicable)		BCE SITE ID#:		102	
Civic address of site		street:			
		3777 Lougheed Highway			
		city/postal code:			
Owner of site		name:			
		Terasen Gas Inc.			
Owner's address		street:			
		16705 Fraser Highway			
City, prov/state, postal code, country:		Surrey, BC V3S 2X7			
Site occupant(s) (if different than owner)					
Latitude (NAD 83 \pm 0.5 seconds)		Degrees:	49	Minutes:	16
				Seconds:	4
Longitude (NAD 83 \pm 0.5 seconds)		Degrees:	123	Minutes:	1
				Seconds:	11
PIDs/PINs of site		012-035-173			
(attach separate page if necessary)					
Legal description or meets and bounds:		Parcel "One", except part in Plan LMP10017, District Lots 117			
(attach separate page if necessary)		and 118, Group 1, New Westminster Dist. Reference Plan 79213			
Company official & address re sending AIP/Certificates by Registered Mail:		Art Swenson, Terasen Gas Inc. 16705 Fraser Highway, Surrey, BC V3S 2X7			

Report(s) Submitted		Report Date(s)	
x	("x" as appropriate)	Past Submissions	Present
		(yy-mm-dd)	(yy-mm-dd)
	Preliminary Site Investigation - First Stage		
x	Preliminary Site Investigation - Second Stage		03-11-06
	Detailed Site Investigation		
	Remediation Plan with Risk Assessment		
	Remediation Plan without Risk Assessment		
x	Confirmatory Sampling		03-11-06
	Monitoring		

Report Name	Summary of Site Investigation and Remediation Confirmation
Consultant's Name	AMEC Earth & Environmental Limited
Consultant's file number	VE51267

Summary of Actions Taken (Current Status)

The presence, or absence, of potential contaminants of concern (PCOCs) was determined at 10 of 27 on-site and off-site areas of potential environmental concern (APECs) associated with the site as identified in the Stage 1 PSI completed for the Lochburn facility by Morrow Environmental Consultants Inc. in 1998. The site is to be subdivided from the Lochburn facility.

The Stage 2 PSI consisted of drilling thirteen (13) boreholes and advancing thirty-seven (37) test pits at various locations across the Site. Nine (9) boreholes were completed as groundwater monitoring wells. Soil and groundwater samples were collected in the field during the investigation and submitted for laboratory analysis of the applicable PCOC.

Of 10 on-site and off-site APECs investigated, two (2) areas of environmental concern (AECs) were identified where various COCs exceeded the CSR Aquatic Life (AW) water standards (APECs #7 and #12). No evidence of widespread groundwater contamination was identified. Remediation of contaminated groundwater at these AECs was conducted via removal of the suspected source of contamination (e.g., contaminated soil, creosote treated timber pile, etc.).

Actions Proposed (if applicable)

The above information is a summary only and persons who may be relying on the report are encouraged to review the entire document so as to avoid the use of information out of context.

Soil and Groundwater Sampling and Analysis Summary

SITE ID# 102

Site Data	
Total area of site (m ²)	31 000
Total area of building(s) (m ²)	0
Total paved surface area (m ²)	24 800
Current land use	Vacant
Proposed land use	Commercial
Suspect land uses	
Contaminant source(s)	Cont. soil/treated timber pile
Presence of free product	LNAPL (N) DNAPL (N)
Number of soil contaminant zones	0
No. of groundwater contaminant plumes	0
Contaminant Migration potential	Low

Area Information	
Nearest groundwater water supply (m)	> 1 500
Nearest surface water (m)	< 50
Nearest sensitive area (m)	N/A
Uses of adjacent water resources	N/A
Annual rainfall (mm) + snowfall (cm)	1848.5 + 59.6
100/200 year flood potential of site	N/A
100/200 yr flood potential of area	N/A
Adjacent land uses	Commercial

Soil Sample Information	
Number of testpits	37
Number of boreholes	13
Number of surface samples collected	0
Number of soil samples collected	218
Number of soil samples analyzed (n)	70
Soil Contaminant(s) PCOCs	Soil Quality (AL, PL, RL, CL, IL, W, SW)
Shallow (depth, m)	
BTEX/VPH	< CL
VOCs	< CL
LEPH/HEPH	< CL
Metals	< CL
PCBs	< CL
Intermediate (depth, m)	
BTEX/VPH	< CL
VOCs	< CL
LEPH/HEPH	< CL
Metals	< CL
PCBs	< CL
Deep (depth, m)	

Groundwater Sample Information	
Approx. depth to groundwater (m)	1.0 to 3.0
No. of affected aquifers & depths (m)	0
No. of monitoring wells developed	9
No. of groundwater samples collected	42
No. groundwater samples analyzed (n)	42
Groundwater Contaminant(s) PCOCs	Water Quality (AW, IW, LW, DW)
Shallow (depth, m)	
BTEX/VPH	< AW
MTBE	< AW
VOCs	< AW
LEPH/HEPH	< AW
PAHs	< AW
Metals	< AW
PCBs	< AW
Intermediate (depth, m)	
Deep (depth, m)	

Notes: Migration potential refers to contaminant plume(s) and "?" = "unknown"
 "surface samples" = soil samples obtained using hand trowels, shovels
 and hand augers at depths less than 0.5 metres
 PCOC = Potential contaminants of concern

AL = Agricultural
 PL = Urban Park
 RL = Residential
 CL = Commercial
 IL = Industrial
 W = Waste
 SW = Special Waste
 AW = Aquatic Life
 LW = Livestock
 IW = Irrigation
 DW = Drinking Water

The above information is a summary only and persons who may be relying on the report are encouraged to review the entire document so as to avoid the use of information out of context.

Report Date: _November 2003_

APPENDIX J
STATEMENT OF LIMITATIONS

STATEMENT OF LIMITATIONS

1. The work performed in this report was carried out in accordance with the Standard Terms and Conditions made part of our contract. The conclusions presented herein are based solely upon the scope of services and time and budgetary limitations described in our contract.
2. The report has been prepared in accordance with generally accepted environmental study and/or engineering practices. No other warranties, either expressed or implied, are made as to the professional services provided under the terms of our contract and included in this report.
3. The services performed and outlined in this report were based, in part, upon visual observations of the site and attendant structures. Our opinion cannot be extended to portions of the site which were unavailable for direct observations, reasonably beyond the control of AMEC Earth & Environmental Limited.
4. The objective of this report was to assess the environmental conditions at the site, given the context of our contract, with respect to existing environmental regulations within the applicable jurisdiction. Compliance of past owners with applicable local, provincial and federal government laws and regulations was not included in our contract for services.
5. The Site history performed herein relies on information supplied by others, such as local, provincial and federal agencies as well as Site personnel. No attempt has been made to independently verify the accuracy of such information, unless specifically noted in our report.
6. Our observations relating to potential contaminant materials in the environment at the Site are described in this report. Where testing was performed, it was executed in accordance with our contract for these services. It should be noted that other compounds or materials not tested for may be present in the Site environment.
7. The conclusions of this report are based, in part, on the information provided by others. The possibility remains that unexpected environmental conditions may be encountered at the Site in locations not specifically investigated. Should such an event occur, AMEC Earth & Environmental Limited must be notified in order that we may determine if modifications to our conclusions are necessary.
8. The utilization of AMEC Earth & Environmental Limited's services during the implementation of any remedial measures will allow AMEC Earth & Environmental Limited to observe compliance with the conclusions and recommendations contained herein. It will also provide for changes as necessary to suit field conditions as they are encountered.



9. Any use which a third party makes of this report, or any reliance on or decisions to be made based on it, are the responsibility of such third parties. AMEC Earth & Environmental Limited accepts no responsibility for damages, if any, suffered by any third party as a result of decisions made or actions based on this report.

1990 02 21

Project No. R9-190

B.C. Gas Inc.
3777 Lougheed Highway
BURNABY, BC
V5C 3Y3

ATTENTION: Mr. R.F. Booth, P.Eng., Design Engineer

REFERENCE: Lochburn Gas Distribution Center - Subsurface Investigation Results

Please find enclosed the results of the additional site work conducted by Morrow Recovery Systems Inc. (MRSI) on 1989 12 15. The work was performed to delineate the extent of hydrocarbon contamination in the area southeast of the storage tank vault. It consisted of drilling four boreholes (Boreholes 9, 10, 11 and 12) at locations shown on Drawing R9-190-201, Appendix IV.

Representative soil samples were taken at various depths from each borehole using the protocols described in our report to the BC Ministry of Environment (MOE) dated 1989 12 14 (copy submitted to BC Gas). The samples were submitted to Analytical Service Laboratories Ltd. (ASL) to be analyzed for benzene, ethylbenzene, toluene, xylenes (BETX) and oil and grease concentrations.

As the boreholes were advanced, soil conditions were logged in detail. Detailed descriptions of soil conditions encountered during the drilling of each borehole is presented in the "Record of Boreholes", Appendix II. The stratigraphy in this area generally consists of 0.05 m of asphalt underlain by compact light brown sand with some gravel to 1.4 m, soft brown peat to 2.6 m, moderately loose grey sand to 4.3 m and compact grey silty sand with some gravel to 4.9 m.

Upon completion of drilling, each borehole was fitted with a 50 mm diameter slotted pvc standpipe piezometer, void of glues and solvents, to allow for monitoring of subsurface conditions. The annulus was backfilled to within 0.3 m of the ground surface with pea gravel. A bentonite seal was placed at the surface to prevent runoff from contaminating the piezometer installation.

The piezometers at the site have been monitored for depth to ground water, liquid hydrocarbon accumulation and hydrocarbon vapor concentration as a percentage of the lower explosive limit (% LEL). The monitoring results are presented in Appendix I. They confirm that the ground water table to be at between 1.8 to 2.3 m below the ground surface and that the ground water flows to the southeast away from the tank vault. Low vapor concentrations, varying from 2 to 7% LEL, have been measured in Piezometers 5, 9, and 10. No liquid hydrocarbon has been detected in any of the piezometers.

B.C. Gas Inc. - 2
1990 02 21
R9-190

The results of the laboratory analyses and the BC Standards are summarized on Table 1, attached. The laboratory report is presented in Appendix III. The results show that all of the samples analyzed contain hydrocarbon contamination at concentrations less than BC level C except Sample 11 (Borehole 12, 2.3 - 2.7 m depth) which contained 5 810 ppm of oil and grease; slightly greater than BC level C. This high value is likely due to the fact that the sample was obtained from the peat layer which contains a very high organic content. The oil and grease analysis employed does not differentiate between petroleum derived hydrocarbons and organically derived hydrocarbons. We note however that the analytic method used is that recommended by Waste Management Branch.

Based on the results of the investigation we conclude that the estimated extent of hydrocarbon contamination in excess of BC level C in the area to the southeast of the tank vault is as outlined by the plume shown on Drawing R9-190-202. We further conclude that in this area soils contaminated at "Special Waste" concentrations were not detected.

A copy of this letter should be forwarded to the B.C. Ministry of Environment in accordance with our report to them on 1989 12 14.

We trust this information is sufficient for your present purposes. If you should have any questions please do not hesitate to contact us.



L.G. Hanson, Hydrogeologist

MORROW RECOVERY SYSTEMS INC.

JMB/kb

enc.

cc: Ms. L. Ouellet, P.Eng., B.C. Ministry of Environment

TABLE 1: Summary of Laboratory Analyses

Borehole	Sample No.	Depth Interval (m)	Oil & Grease	Benzene	Ethyl-benzene	Toluene	Xylenes	Lead
9	2	2.3-2.7	1 460	0.52	0.90	0.56	6.12	-
	3	4.6-4.9	-	<0.01	0.38	0.08	1.75	-
10	5	2.3-2.7	599	<0.01	<0.01	<0.01	0.11	-
12	11	2.3-2.7	5 810	<0.01	<0.01	<0.01	0.61	-
Detection Limit								
			0.05	0.01	0.01	0.01	0.01	
BC Contamination Standards ¹								
Level A			100	0.1	0.1	0.1	0.1	50
Level B			1 000	0.5	5	3	5	500
Level C			5 000	5	50	30	50	1 000
Special Waste ²			30 000	100	100	100	100	

Results expressed as milligrams per kilogram of dry sediment.

< = less than.

- (1) British Columbia Standards for Managing Contamination at the Pacific Place Site (April 5, 1989).
(2) BC Waste Management Act - Special Waste Legislation.

Water & Product Level Inspection Report

Date/Time:

1990 01 11

B.C. Gas

Observer:

R.B.

Lougheed & Boundary

Burnaby, BC

Weather:

Overcast, 7° C.

Piezo- meter No.	Reference Elevation (m)	Depth to Product (m)	Apparent Product Thickness (mm)	Depth to Water (m)	Elevation of Water Surface (m)	% LEL	Comments
5		-	0	0.856		2	
6		-	0	1.109		0	
7		-	0	0.955		0	
8		-	0	1.507		0	
9		-	0	1.872		7	
10		-	0	2.068		2	
11		-	0	2.330		0	
12		-	0	1.803		0	

APPENDIX II

Borehole Logs

PROJECT: B.C GAS		LOCATION:(See Figure):		BOREHOLE No.: 9	
LOCATION: LOUGHEED HWY BURNABY, B.C.		BOREHOLE TYPE: AUGER		DIAMETER: 152mm	
SAMPLE TYPE: <input checked="" type="checkbox"/> CORE <input type="checkbox"/> SPLIT SPOON <input type="checkbox"/> SHELBY <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY					

ELEV. - DEPTH (m)	STRATIGRAPHY	STRATIGRAPHY PLOT	SAMPLE TYPE	SAMPLE NUMBER	VAPOR LEVEL				N VALUE	WATER LEVEL	PIEZOMETER INSTALLATION ADDITIONAL LAB. TESTING
					● %LEL	▲ ppm.	▲ 100	● 200				● 300	● 400
					20	40	60	80			
0.0	Asphalt.										51mm ø Solid PVC pipe 51mm ø Slotted PVC pipe
	Brown SAND and GRAVEL, some cobbles.										
1.0											
2.0	Soft, brown PEAT.		/	S2							
3.0	Moderately loose, grey SAND, saturated. Trace product odor.										
4.0											
	Compact, grey, silty SAND, some gravel, saturated. No product odor.		/	S3							
5.0	End of borehole.										
6.0											
7.0											
8.0											
9.0											

MORROW RECOVERY SYSTEMS INC. North Vancouver, B.C.	DATE: 89.12.15	JOB NO.: R9-190
	LOGGED BY: J.M.B.	SHEET 1 OF 4

PROJECT: B.C GAS				LOCATION: (See Figure):				BOREHOLE No.: 10			
LOCATION: LOUGHEED HWY BURNABY, B.C.				BOREHOLE TYPE: AUGER				DIAMETER: 152mm			
SAMPLE TYPE: <input checked="" type="checkbox"/> CORE <input checked="" type="checkbox"/> SPLIT SPOON <input checked="" type="checkbox"/> SHELBY <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY											
ELEV. - DEPTH (m)	STRATIGRAPHY	STRATIGRAPHY PLOT	SAMPLE TYPE	SAMPLE NUMBER	VAPOR LEVEL				N VALUE	WATER LEVEL	PIEZOMETER INSTALLATION ADDITIONAL LAB. TESTING
					● %LEL	▲ ppm.	▲ 100	● 20				200	40	300	60	400	80
0.0	Asphalt.										51mm ø Solid PVC pipe
	Greyish-brown SAND and GRAVEL, some cobbles.										
1.0				S4							
	Soft, brown PEAT, saturated. No product odor.										
2.0				S5							
3.0											51mm ø Slotted PVC pipe
	Moderately loose, grey, coarse SAND, saturated. No product odor.										
4.0											
	Dense, grey, silty SAND, some gravel, saturated. No product odor.			S6							
5.0	End of borehole.										
6.0											
7.0											
8.0											
9.0											
MORROW RECOVERY SYSTEMS INC. North Vancouver, B.C.				DATE: 89.12.15				JOB NO.: R9-190			
				LOGGED BY: J.M.B.				SHEET 2 OF 4			

PROJECT: B.C GAS		LOCATION:(See Figure):		BOREHOLE No.: 11							
LOCATION: LOUGHEED HWY BURNABY, B.C.		BOREHOLE TYPE: AUGER		DIAMETER: 152mm							
SAMPLE TYPE: <input checked="" type="checkbox"/> CORE <input type="checkbox"/> SPLIT SPOON <input type="checkbox"/> SHELBY <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY											
ELEV. - DEPTH (m)	STRATIGRAPHY	STRATIGRAPHY PLOT	SAMPLE TYPE	SAMPLE NUMBER	VAPOR LEVEL				N VALUE	WATER LEVEL	PIEZOMETER INSTALLATION ADDITIONAL LAB. TESTING
					● %LEL	▲ ppm.	▲ 100	● 20				200	300	400	80
0.0	Asphalt.										51mm ø Solid PVC pipe
1.0	Brown SAND and GRAVEL, some cobbles, occasional boulder, dry. No product odor.			S7							
2.0											
	Soft, brown PEAT. No product odor.			S8							
3.0											
4.0	Dense, grey, silty fine SAND, some gravel, saturated. No product odor.			S9							51mm ø Slotted PVC pipe
5.0	End of borehole.										
6.0											
7.0											
8.0											
9.0											
MORROW RECOVERY SYSTEMS INC. North Vancouver, B.C.		DATE: 89.12.15				JOB NO.: R9-190					
		LOGGED BY: J.M.B.				SHEET 3 OF 4					

PROJECT: B.C GAS				LOCATION: (See Figure):				BOREHOLE No.: 12			
LOCATION: LOUGHEED HWY BURNABY, B.C.				BOREHOLE TYPE: AUGER				DIAMETER: 152mm			
SAMPLE TYPE: <input checked="" type="checkbox"/> CORE <input checked="" type="checkbox"/> SPLIT SPOON <input checked="" type="checkbox"/> SHELBY <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY											
ELEV. - DEPTH (m)	STRATIGRAPHY	STRATIGRAPHY PLOT	SAMPLE TYPE	SAMPLE NUMBER	VAPOR LEVEL				N VALUE	WATER LEVEL	PIEZOMETER INSTALLATION ADDITIONAL LAB. TESTING
					● %LEL	▲ ppm.	▲ 100	● 200				▲ 300	● 400
					20	40	60	80			
0.0	Asphalt.										51mm ø Solid PVC pipe
	Loose, brown SAND and GRAVEL, some cobbles.										
1.0	Grey SAND, some gravel, trace silt. No product odor.			S10							
2.0	Soft, brown PEAT, saturated, some thin sand layers. No product odor.			S11							
3.0											
4.0	Dense, grey, fine SAND, saturated. No product odor.			S12							51mm ø Slotted PVC pipe
5.0	End of borehole.										
6.0											
7.0											
8.0											
9.0											

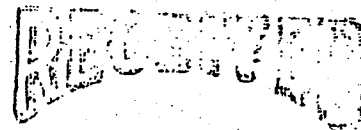
MORROW RECOVERY SYSTEMS INC. North Vancouver, B.C.	DATE: 89.12.15	JOB NO.: R9-190
	LOGGED BY: J.M.B.	SHEET 4 OF 4

APPENDIX III
Analysis Results

ASL

CHEMICAL ANALYSIS REPORT

Date: January 5, 1990
File No. 9884A
Report On: Sediment Samples, Project: R9-190
Report To: Morrow Recovery Systems Ltd.
#300 - 1217 Lonsdale Avenue
North Vancouver, B.C.
V7M 2H5
Attention: J. M. Benitez



JAN 10 1990

THE MORROW GROUP

JMB

DATE OF SUBMISSION: Dec. 21/89

SAMPLE IDENTIFICATION

The samples were labelled as noted in RESULTS section.

METHODOLOGY

SEDIMENT

Samples were analysed using procedures that are consistent with the requirements of the appropriate regulatory agencies. Comprehensive quality control/quality assurance protocols were followed throughout.

After homogenizing the sediments, representative portions were removed for the analyses noted below.

Moisture

Determined gravimetrically after drying the sample for 12 hrs. @ 103°C.



analytical service laboratories ltd.

CONSULTING CHEMISTS & ANALYSTS
1650 Pandora Street
Vancouver, B.C. • V5L 1L6
Fax (604) 253-6700 • Tel. (604) 253-4188

METHODOLOGYFile No. 9884A
Page 2 of 3**Oil & Grease**

The sample was extracted with hexane/acetone. The extract thus produced was evaporated to dryness and the residue weighed to determine gravimetric oil & grease.

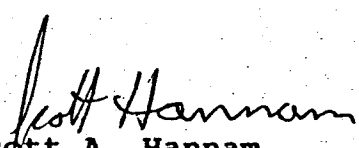
Benzene, Toluene, Ethylbenzene, and Xylenes

Twenty grams of the homogenized sample was added to a headspace vial with 20 mls of distilled water. The mixture was heated to a constant temperature and analysed by a modified headspace technique using a gas chromatograph with flame ionization detector.

RESULTS OF ANALYSIS

Results are presented in the table(s) attached.

ASL ANALYTICAL SERVICE LABORATORIES LTD.



Scott A. Hannam
Supervisor
Trace Organic Laboratory

SH/dmc

.../report/jan/morrow9884

RESULTS OF ANALYSIS

File No. 9884A
Page 3 of 3

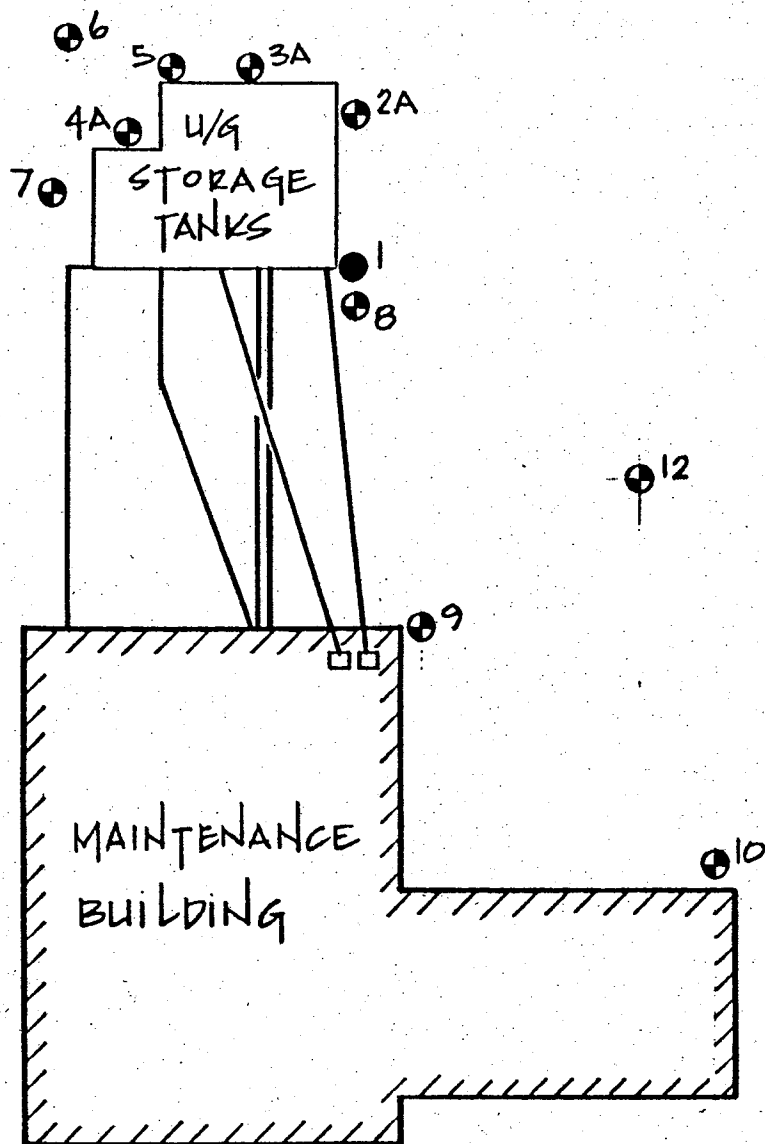
	2	3	5	5 Duplicate	11
Oil & Grease	1,460.	-	599.	-	5,810.
Benzene	0.52	<0.01	<0.01	<0.01	<0.01
Toluene	0.56	0.08	<0.01	<0.01	<0.01
Ethylbenzene	0.90	0.38	<0.01	<0.01	<0.01
m,p-xylene	4.26	1.13	0.02	0.03	0.50
o-xylene	1.86	0.62	0.06	0.08	0.11

< = Less than detection limit indicated
Results expressed as milligrams per kilogram of dry sediment.

APPENDIX IV

Drawings

— SERVICE ROAD —



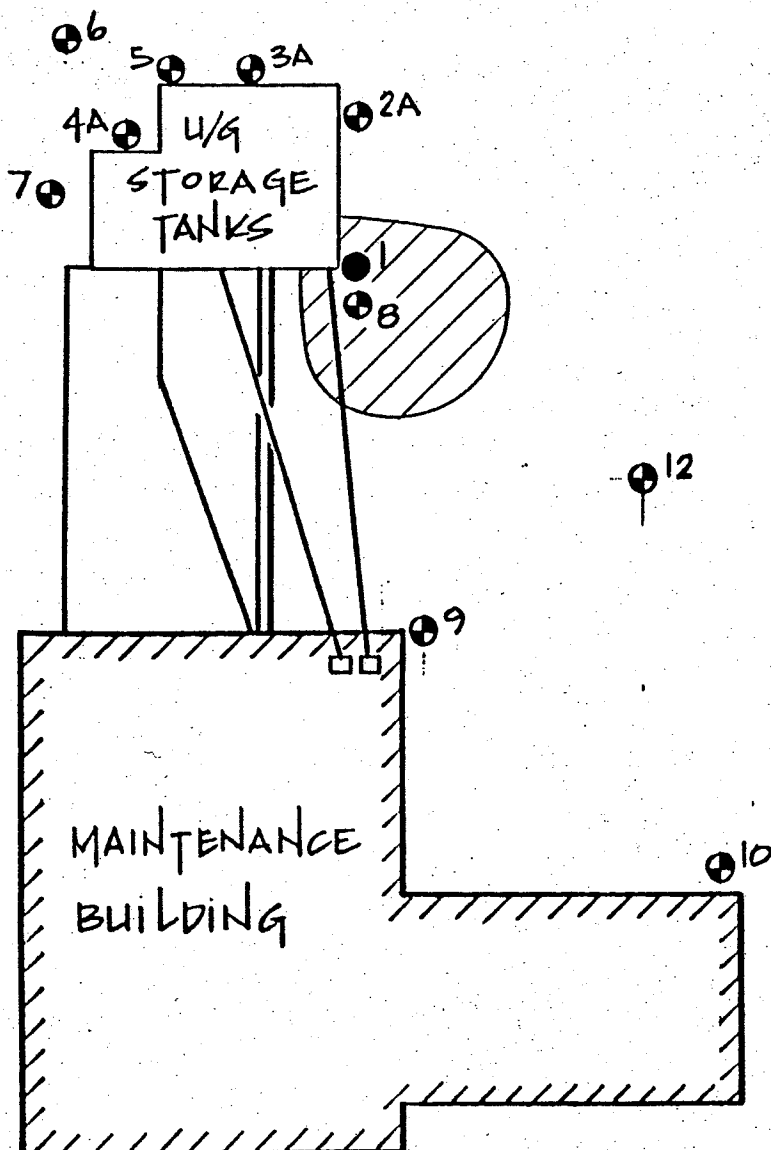
LEGEND

- PIEZOMETER LOCATION
- DESTROYED PIEZOMETER

OFFICE BUILDING

MORROW RECOVERY SYSTEMS INC.			
NORTH VANCOUVER, B.C.			
SCALE 1:200	APPROVED BY		DRAWN BY CR
DATE 90.01.24	ENGINEER J.M.B.	CLIENT	CHECKED
PIEZOMETER LOCATIONS			
B.C. GAS - BURNABY, B.C.			DRAWING NUMBER 29-190-201
			REV

— SERVICE ROAD —



LEGEND

- ⊕ PIEZOMETER LOCATION
- DESTROYED PIEZOMETER

⊕ ESTIMATED EXTENT OF HYDROCARBON CONTAMINATION (GREATER THAN B.C. "C" LEVEL)

OFFICE BUILDING

MORROW RECOVERY SYSTEMS INC.			
NORTH VANCOUVER, B.C.			
SCALE: 1:200	APPROVED BY		DRAWN BY CR
DATE: 90.01.24	ENGINEER J.M.B.	CLIENT:	CHECKED
EXTENT OF CONTAMINATION - AREA SOUTH EAST OF TANK VAULT			
B.C. GAS - BURNABY, B.C.			REV
DRAWING NUMBER 129-190-202			

1990 12 04

R9-190

Contaminated Sites Unit,
Environmental Safety Program
810 Blanshard Street
VICTORIA, BC
V8W 2H2

ATTENTION: Mr. L.T. Hubbard, Acting Assistant Director of Waste Management

REFERENCE: Lochburn Gas Distribution Center
Inspection of Soil Treatment Operations - Historical Special Waste Site

As required by Letter of Approval issued by the Waste Management Branch for the operation of a soil storage and treatment facility on a historically contaminated site, we have prepared this letter to describe the remediation work which has occurred at 3777 Lougheed Highway in Burnaby, BC. This letter covers the period from 1990 06 13, when the contaminated soil was excavated and placed in the on-site treatment basin, through 1990 09 13, a period of three months.

The observations and results for this period are as follows.

- o Removal of the product storage tanks and backfill from the tank vault and excavation of native materials surrounding the tank vault commenced on 1990 06 13 and proceeded through until 1990 06 19. Excavation was performed by B.C. Gas personnel with Morrow Recovery Systems Inc. (MRSI) providing soil segregation and sampling services.
- o Tank backfill which appeared to be relatively uncontaminated was stored on a liner, and confirmatory samples B-1 and TB-1 through TB-3 were collected. The remaining soil was transferred to the soil storage and treatment facility. Samples B-1 and TB-1 through TB-3 were submitted to Analytical Service Laboratories Ltd. (ASL) for analysis of BETX components and oil and grease to determine if the soil was suitable for off-site disposal. The ASL report is presented in Appendix I, and the data is summarized in Table 1. Inspection of this data indicated that the stockpiled soil had BETX and oil and grease concentrations below PPS Level C.
- o Native materials, identified during the earlier investigations as having BETX components at special waste levels, were removed from around the outside of the tank vault. The excavation of the contaminated soil proceeded away from the tank vault until there was no evidence of soil contamination by explosimeter vapor analysis, olfactory or visual evidence. The soils were excavated to a depth of approximately 3.5 m below grade, which corresponds to the base of the surrounding native peat layer.

- o As the excavation work was performed during a dry period, seepage to the open excavation did not pose a significant problem, although some water was encountered at a depth of approximately 3.2 m below grade. The collected water was sampled to evaluate the dissolved BETX content. To facilitate soil inspection and sampling at the base of the open excavation, this water was pumped to the tank vault for storage. Based on the results of the water analysis (see Table 1B), this water was not suitable for discharge to the environment. B.C. Gas personnel were instructed that this water be hauled to an approved disposal facility. Water surrounding the excavation, water stored in the tank vault, and residue from steam cleaning the tank vaults was hauled to this facility.
- o When the limits of the above excavation were established, confirmatory samples WW-1, NW-1, EW-1 and SW-1 were collected from the excavation walls to determine if any special waste soils remained. Drawing R9-190-105 displays the limits of the excavation. The samples were analyzed for BETX and oil and grease by ASL. The data is summarized in Table 2. Review of the data confirmed that special waste materials remained along the south wall (SW-1) of the excavation. Further excavation across the south side of the vault was necessary.
- o Contaminated soils were excavated from the area south of the vault and segregated. The limit of the excavation was again established by measuring the concentration of hydrocarbon vapor with an explosimeter, olfactory and visual evidence. Highly contaminated soil was transferred to the remediation basin, other soils were stockpiled on-site. Samples S-7, S-8 and S-9 were collected to evaluate the concentration of BETX and lead components on stockpiled soil prior to off-site disposal; this data is summarized in Table 1A. Inspection of the data confirmed that the concentration of BETX and lead was below PPS Level C.
- o Confirmatory samples S-1, S-3, S-5 and S-6 were collected from the walls of the excavation, while S-2 and S-4 were collected from the floor. Based on field evidence, the MRSI site inspector permitted the B.C. Gas crew to backfill the open excavation. Samples S-1, S-3 and S-4 were subsequently analyzed for BETX and lead concentrations. This data is presented in Table 2A. The analyses proved that sample S-3, collected from a portion of the south wall of the excavation in a peat stratum, had xylenes concentrations in excess of the special waste criteria. All other samples collected had BETX and lead below PPS Level C.
- o Throughout the excavation work, approximately 43 cubic meters of soil was identified as being significantly contaminated and placed in the remediation basin. Mechanical aeration of the soil was performed by B.C. Gas personnel on a weekly basis during the summer months.

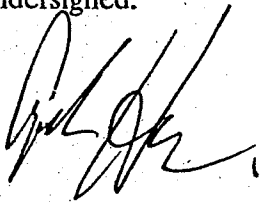
Contaminated Sites Unit - 3
1990 12 04
R9-190

We note that some xylene residual in excess of the special waste criteria, and benzene in excess of the PPS Level C remediation standard, remain at a depth of approximately 2.6 m in a water saturated peat layer. Further to a meeting held between representatives of B.C. Gas and MRSI on 1990 11 22, an attempt will be made to remove the remaining volume of special waste by excavation. Weather permitting, the excavation work will be done during December 1990. The special waste soil will subsequently be placed in an impermeable liner until remediated.

Upon completion of this further excavation work, confirmatory samples will be taken in the peat layer at the extremities of the excavation and backfilling will be performed using clean material.

Approximately three weeks after backfilling of the excavation, MRSI will conduct a ground water investigation to comply with Part 11 of the MOE letter of approval for the project.

We trust this provides you with the information required for compliance with the Letter of Approval. Should you have any questions or concerns, please do not hesitate to contact the undersigned.



L.G. Hanson, Hydrogeologist

MORROW RECOVERY SYSTEMS INC.

LGH/sf

enc.

cc: Mr. D.L. Record, A.Sc.T., B.C. Gas, Burnaby, BC
Ms. L. Ouelett, P.Eng., Ministry of Environment, Surrey, BC

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DEC 07 90
CASH ENGINEERING
BOUNDARYVIEW

TABLE 1: Summary of Laboratory Analyses - Material Transferred Without Remediation From the North, West and East Sides of the Tank Vault

Sample Number	Benzene	Ethyl-benzene	Toluene	Xylenes	Oil & Grease
B-1 (90/06/13)	<0.010	0.020	<0.010	0.080	-
TB-1 (90/06/13)	<0.010	1.80	<0.010	7.24	-
TB-2 (90/06/13)	3.93	2.24	5.57	45.4	-
TB-3 (90/06/14)	2.44	6.77	12.9	27.7	636
BC Standards ¹					
Level A	0.1	0.1	0.1	0.1	100
Level B	0.5	5	3	5	1000
Level C	5	50	30	50	5000
Special Waste ²	100	100	100	100	30000

Results expressed in milligrams/kilogram of dry sediment.

- < Less than detection limit indicated.
 - Not analyzed for this constituent.

¹ BC Standards for Managing Contamination at the Pacific Place Site (89 04 05).

² British Columbia Waste Management Act - Special Waste Legislation.

TABLE 1-A: Summary of Laboratory Analyses - Material Transferred Without Remediation From the South Side of the Tank Vault

Sample Number	Benzene	Ethyl-benzene	Toluene	Xylenes	Lead	Oil & Grease
S-7 (90/6/19)	0.190	0.018	0.053	0.175	15.0	-
S-8 (90/6/19)	0.052	0.041	0.077	1.480	12.0	-
S-9 (90/6/19)	0.061	0.020	0.031	0.137	8.9	-
BC Standards ¹						
Level A	0.1	0.1	0.1	0.1	50	100
Level B	0.5	5	3	5	500	1000
Level C	5	50	30	50	1000	5000
Special Waste ²	100	100	100	100	-	30000

Results expressed in milligrams/kilogram of dry sediment.

- Not analyzed for this constituent.

¹ BC Standards for Managing Contamination at the Pacific Place Site (89 04 05).

² British Columbia Waste Management Act - Special Waste Legislation.

TABLE 1-B: Summary of Laboratory Results - Water Samples From Tank Vault Area

Sample Number	Benzene	Ethyl-Benzene	Toluene	Xylenes
W-1 (90/6/13)	450	<10	1500	5740
W-2 (90/6/13)	910	120	4180	7850
Aquatic Life ¹	300	700	300	-

Results expressed as $\mu\text{g/L}$ (ppb).

¹ Aquatic Life Guidelines from Canadian Water Quality Guidelines.

TABLE 2: Summary of Laboratory Analyses - Initial Confirmatory Sampling Prior to Excavating Along South Side of Tank Vault

Sample Number	Benzene	Ethyl-benzene	Toluene	Xylenes	Oil & Grease
NW-1	0.069	0.070	0.045	0.249	464
WW-1	0.096	0.056	0.035	0.262	186
EW-1	<0.010	<0.010	<0.010	<0.030	-
SW-1	95.5	210	693	1217	-
BC Standards ¹					
Level A	0.1	0.1	0.1	0.1	100
Level B	0.5	5	3	5	1000
Level C	5	50	30	50	5000
Special Waste ²	100	100	100	100	30000

Results expressed in milligrams/kilogram of dry sediment.

- Not analyzed for this constituent.

¹ BC Standards for Managing Contamination at the Pacific Place Site (89 04 05).

² British Columbia Waste Management Act - Special Waste Legislation.

TABLE 2-A: Summary of Laboratory Analyses - Confirmatory Sampling After Excavating Along South Side of Tank Vault

Sample Number	Benzene	Ethyl-benzene	Toluene	Xylenes	Lead
S-1	<0.010	<0.010	<0.010	<0.030	6.9
S-3	22.7	18.4	28.7	143.5	14.0
S-4	0.590	0.019	0.017	0.074	5.1
BC Standards ¹					
Level A	0.1	0.1	0.1	0.1	50
Level B	0.5	5	3	5	500
Level C	5	50	30	50	1000
Special Waste ²	100	100	100	100	

Results expressed in milligrams/kilogram of dry sediment.

- Not analyzed for this constituent.

¹ BC Standards for Managing Contamination at the Pacific Place Site (89 04 05).

² British Columbia Waste Management Act - Special Waste Legislation.

APPENDIX I

Laboratory Reports for Soil and Water Analyses

RECEIVED

JUN 26 1990

THE MORROW GROUP

ASL

CHEMICAL ANALYSIS REPORT

Date: Jun. 21, 1990

ASL File No. 1994B

Report On: Sediment and Water (R9-190)

Report To: Morrow Recovery Systems Inc.
#300 1217 Lonsdale Avenue
North Vancouver, BC
V7M 2H5

Attention: Mr. John Elliot

Date Received: Jun. 14, 1990

METHODOLOGY

Benzene, Toluene, Ethylbenzene and Xylenes

Analysed by a modified headspace technique using gas chromatography with flame ionization detector.

Benzene, Toluene, Ethylbenzene, and Xylenes

Twenty grams of the homogenized sample was added to a headspace vial with 20 mls of distilled water. The mixture was heated to a constant temperature and analysed by a modified headspace technique using a gas chromatograph with flame ionization detector.

ASL ANALYTICAL SERVICE LABORATORIES LTD.

Scott Hannam
Scott Hannam
Supervisor, Trace Organics Lab

Joanne Patrick
Joanne Patrick B.Sc.
Technologist

Recd			
To	Act	Note	Done/Date
JE			
File			R-9-190



analytical service laboratories ll

CONSULTING CHEMISTS & ANALYSTS
1650 Pandora Street
Vancouver, B.C. • V5L 1L6
Fax (604) 253-6700 • Tel. (604) 253-4188

RESULTS OF ANALYSIS - Sediment & Water

File No. 1994B
Page 2

Parameter	B-1 Sed Jun13/90	TB-1 Sed Jun13/90	TB-2 Sed Jun13/90
<u>Volatile Organics</u>			
Benzene	<0.010	<0.010	3.93
Ethylbenzene	0.020	1.80	2.24
Toluene	<0.010	<0.010	5.57
ortho-Xylene	0.020	3.02	10.9
meta- & para-Xylene	0.060	4.22	34.5

< = Less than detection limit indicated
Sediment results expressed as milligrams per dry kilogram.

Parameter	W-1 Jun13/90	W-2 Jun13/90
<u>Volatile Organics</u>		
Benzene	0.450	0.910
Ethylbenzene	<0.010	0.120
Toluene	1.50	4.18
ortho-Xylene	2.33	2.93
meta- & para-Xylene	3.41	4.92

< = less than detection limit indicated
Water results expressed as milligrams per litre.

ASL

RECEIVED

Date: Jun. 21, 1990

ASL File No. 2011B

Report On: Sediment Analysis (R9-190)

Report To: Morrow Recovery Systems Inc.
#300 1217 Lonsdale Avenue
North Vancouver, BC
V7M 2H5

THE MORROW GROUP

Attention: Mr. John Elliot

Date Received: Jun. 15, 1990

METHODOLOGY

Benzene, Toluene, Ethylbenzene, and Xylenes

Twenty grams of the homogenized sample was added to a headspace vial with 20 mls of distilled water. The mixture was heated to a constant temperature and analysed by a modified headspace technique using a gas chromatograph with flame ionization detector.

Oil & Grease

The sample was extracted with hexane/acetone. The extract thus produced was evaporated to dryness and the residue weighed to determine gravimetric oil & grease.

ASL ANALYTICAL SERVICE LABORATORIES LTD.

Scott Hannam
Supervisor, Trace Organics Lab

Joanne Patrick
Joanne Patrick B.Sc.
Technologist



analytical service laboratories ltc

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1650 Pandora Street

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RESULTS OF ANALYSIS - Sediment

File No. 2011B
Page 2

Parameter	R9-190 NW-1	R9-190 TB-3	R9-190 WW-1	WW1 Dupl.
	Jun14/90	Jun14/90	Jun14/90	Jun05/90
<u>Volatile Organics</u>				
Benzene	0.069	2.44	0.096	0.110
Ethylbenzene	0.070	6.77	0.056	0.069
Toluene	0.045	12.9	0.035	0.056
ortho-Xylene	0.029	10.4	0.082	0.100
meta- & para-Xylene	0.220	17.3	0.180	0.230
<u>Extractables</u>				
Oil and Grease	464	636	186	178

NOTES

Sediment results expressed as milligrams per dry kilogram.

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JUL 5 1990

THE MORROW GROUP

ASL

CHEMICAL ANALYSIS REPORT

Date: Jul. 02, 1990

ASL File No. 2075B

Report On: Sediment Analysis (R9-190)

Report To: Morrow Recovery Systems Inc.
#300 1217 Lonsdale Avenue
North Vancouver, BC
V7M 2H5

Attention: Mr. John Elliot

Date Received: Jun. 20, 1990

Recd	To	Act	Note	Done/Date
	JE			
File				R-9-190

METHODOLOGY

SEDIMENT

Samples were analysed using procedures that are consistent with the requirements of the appropriate regulatory agencies. Comprehensive quality control/quality assurance protocols were followed throughout.

After homogenizing the sediments, representative portions were removed for the analyses noted below.

Moisture

Determined gravimetrically after drying the sample for 12 hrs. @ 103°C.

Metals

Subsamples were digested using a combination of nitric and hydrochloric acids then bulked to volume with deionized-distilled water.



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1650 Pandora Street
Vancouver, B.C. • V5L 1L6
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Methodology (con't)

File No. 2075B
Page 2

Pb - determined in the extract by direct flame atomic absorption spectrophotometry (AAS).

Benzene, Toluene, Ethylbenzene, and Xylenes

Twenty grams of the homogenized sample was added to a headspace vial with 20 mls of distilled water. The mixture was heated to a constant temperature and analysed by a modified headspace technique using a gas chromatograph with flame ionization detector.

ASL ANALYTICAL SERVICE LABORATORIES LTD.

Joanne Patrick
Joanne Patrick B.Sc.
Technologist

Scott Hannam
Scott Hannam
Supervisor, Trace Organics Lab

RESULTS OF ANALYSIS - Sediment

File No. 2075B
Page 3

Parameter	R9-190 S1	R9-190 S3	R9-190 S4	R9-190 S7	R9-190 S8
	Jun19/90	Jun19/90	Jun19/90	Jun19/90	Jun19/90
<u>Total Metals</u>					
Lead T-Pb	6.9	14.0	5.1	15.0	12.0
<u>Volatile Organics</u>					
Benzene	<0.010	22.7	0.590	0.190	0.052
Ethylbenzene	<0.010	18.4	0.019	0.018	0.041
Toluene	<0.010	28.7	0.017	0.053	0.077
ortho-Xylene	<0.010	46.3	<0.010	0.045	1.10
meta- & para-Xylene	<0.020	97.2	0.064	0.130	0.380

< = less than

Sediment results expressed as milligrams per dry kilogram.

RESULTS OF ANALYSIS - Sediment

File No. 2075B
Page 4

Parameter	R9-190 S9 Jun19/90	R6-190 S9 Dupl. Jun19/90
-----------	--------------------------	-----------------------------------

Total Metals

Lead	T-Pb	8.9	8.9
------	------	-----	-----

Volatile Organics

Benzene	0.061	-
Ethylbenzene	0.020	-
Toluene	0.031	-
ortho-Xylene	0.037	-
meta- & para-Xylene	0.100	-

Dupl. = Duplicate

< = less than

Sediment results expressed as milligrams per dry kilogram.

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JUL 12 1990

THE MORROW GROUP

ASL

CHEMICAL ANALYSIS REPORT

Date: Jul. 05, 1990

ASL File No. 2054B

Report On: Sediment Analysis (R9-190)

Report To: Morrow Recovery Systems Inc.
#300 1217 Lonsdale Avenue
North Vancouver, B.C.
V7M 2H5

Attention: Mr. John Elliot

Date Received: Jun. 19, 1990

METHODOLOGY

Benzene, Toluene, Ethylbenzene, and Xylenes

Twenty grams of the homogenized sample was added to a headspace vial with 20 mls of distilled water. The mixture was heated to a constant temperature and analysed by a modified headspace technique using a gas chromatograph with flame ionization detector.

ASL ANALYTICAL SERVICE LABORATORIES LTD.

Scott Hannam
Scott Hannam
Supervisor, Trace Organics Lab

Joanne Patrick
Joanne Patrick B.Sc.
Technologist



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Vancouver, B.C. • V5L 1L8
Fax (604) 253-6700 • Tel. (604) 253-4188

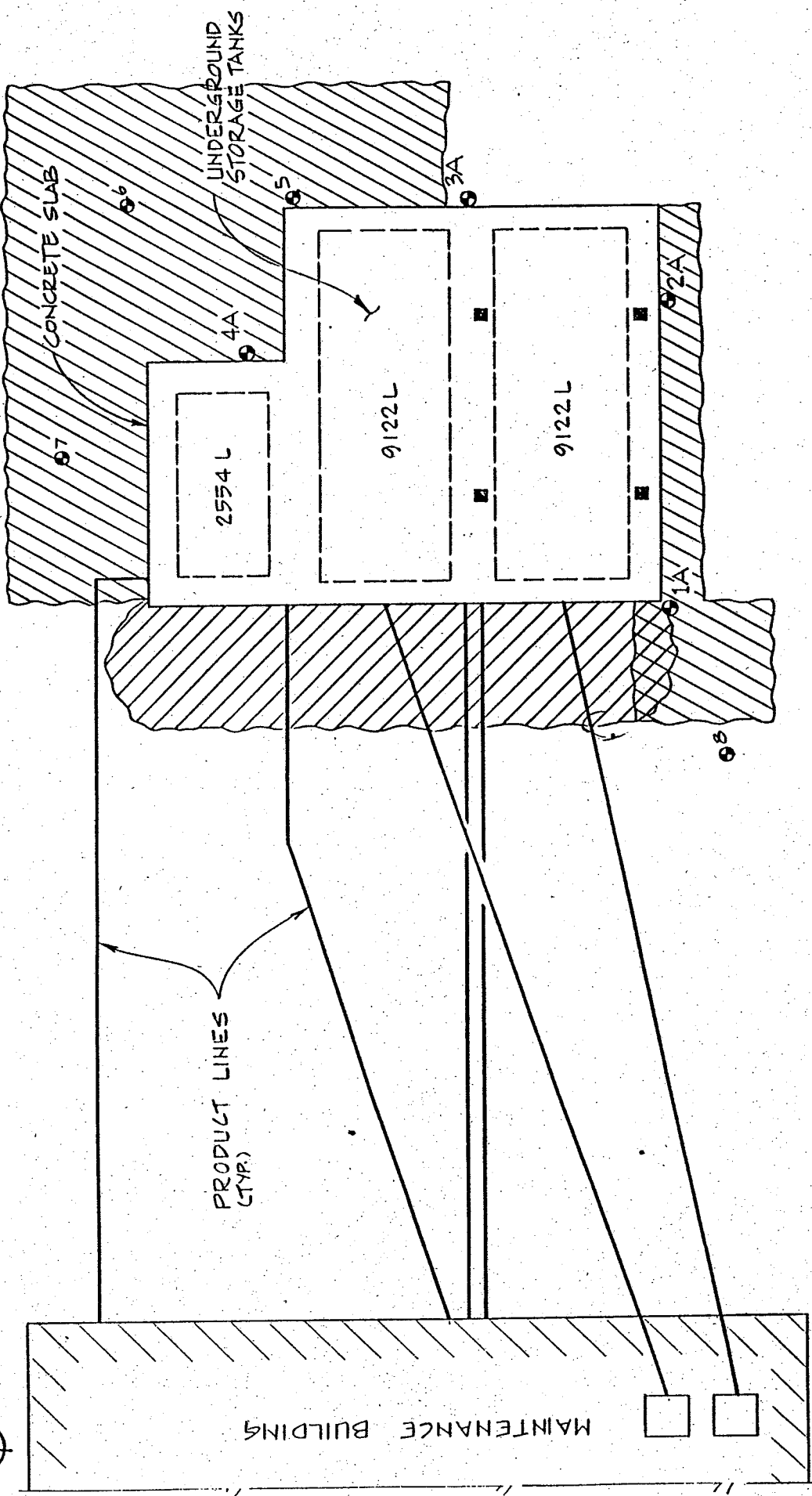
RESULTS OF ANALYSIS - Sediment

File No. 2054B
Page 2

	EW-1	B-2	SW-1	S-1
Parameter	Jun15/90	Jun15/90	Jun15/90	Jun15/90
<hr/>				
<u>Volatile Organics</u>				
Benzene	<0.010	<0.010	95.5	0.019
Ethylbenzene	<0.010	0.660	210	0.220
Toluene	<0.010	1.06	693	0.035
ortho-Xylene	<0.010	10.7	334	1.24
meta- & para-Xylene	<0.020	11.2	883	0.960

< = less than detection limit indicated.

Sediment results expressed as milligrams per dry kilogram.



LEGEND

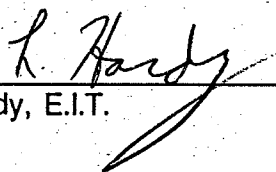
- INITIAL EXCAVATION
- FOLLOW UP EXCAVATION BASED ON INITIAL CONFIRMATORY SAMPLING
- PIEZOMETER LOCATION
- PIEZOMETER LOCATION (IN TANK VAULT)

MORROW RECOVERY SYSTEMS INC.			
SANTA VERABURNE, CA			
SCALE 1:50	DATE 09.07.27	PROJECT 0202	DATE BY 2.5.
DATE 09.07.27	DATE 0202	DATE 0202	DATE 0202
EXCAVATION LOCATION 90-06-18 & 19			DATE 0202
B.C. GAS BURNABY, B.C.			DATE 0202

BC Gas
Lochburn Gas Distribution Centre
3777 Lougheed Highway
Burnaby, BC

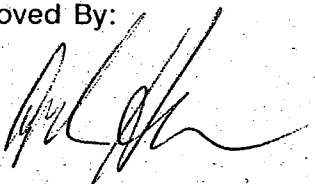
Progress Report and
Confirmatory Contamination Assessment
1990 09 13 - 1991 03 13

Prepared By:



L.I. Hardy, E.I.T.

Approved By:



L.G. Hanson, Hydrogeologist

MORROW ENVIRONMENTAL CONSULTANTS INC.

R9-190

1991 04 16

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3.2 Ground Water Sampling	4
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APPENDICES:

- I. Provincial Standards
- II. Laboratory Reports
- III. Sampling Protocols
- IV. Monitoring Data
- V. Borehole Logs
- VI. Drawings

1.0 INTRODUCTION

On behalf of BC Gas Inc., Morrow Environmental Consultants Inc. (MECI) have recently completed inspection services related to the excavation and treatment of hydrocarbon contaminated soils at the former fuelling facility at the Lochburn Gas Distribution Centre in Burnaby, BC. The last report, entitled "Lochburn Gas Distribution Center, Inspection of Soil Treatment Operations - Historical Special Waste Site" (1990 12 04), was presented to the British Columbia Ministry of Environment. That report covered the quarter ending 1990 09 13, and dealt with the excavation of approximately 43 m³ of contaminated soil from the tank basin area and placing the soil in the remediation basin. This progress report covers the two quarters extending from 1990 09 13 to 1991 03 13.

Following removal of the hydrocarbon contaminated soil, a confirmatory sample collected from the wall of the open excavation on 1990 09 16 indicated that special waste soils extended to the south of the tank basin area. A site plan showing the location of the buildings relative to the tank basin is presented in Drawing R9-190-301, Appendix VI. Additional excavation and sampling completed during this reporting period indicated that special waste soils extend beneath a reinforced concrete slab adjacent to the north side of the fuelling kiosk. A confirmatory drilling investigation was performed to fully delineate the extent of soil requiring remediation in and around the fuelling kiosk and maintenance building prior to any further remediation work. Finally, ground water samples were collected from selected piezometers to evaluate the distribution of dissolved phase hydrocarbons in the subsurface.

The Provincial guidelines for evaluating soil and ground water contamination are defined in Appendix I.

At the BETX concentrations detected in Piezometers 11 and 23, the ground water would be considered slightly to moderately contaminated with benzene being the contaminant of concern. We have no explanation for the variation in dissolved phase hydrocarbon concentration detected in Piezometer 23. Further sampling of the ground water at this piezometer would be required to confirm the measured concentrations.

Piezometers 18 and 22 had measureable hydrocarbon vapor concentrations; however, BETX components were not detectable in the soil or ground water samples collected from these locations. Therefore, the hydrocarbon vapor detected in these piezometers is likely naturally derived.

6.0 CONCLUSIONS

The results of the recent work are as follows.

- o Approximately 43 m³ of contaminated soil was remediated to less than PPS Level C, the commercial/industrial remediation standard, and was removed to a permitted industrial landfill site.
- o Approximately 10 m³ of contaminated soil was excavated from the area immediately north of the concrete slab and placed in a lined dumpster for remediation as the weather improves.
- o Approximately 100 m³ of soil containing hydrocarbon components in excess of the commercial/industrial remediation standard remains beneath the concrete slab and the fuelling kiosk primarily in an organic peat layer. Approximately 60 m³ of this soil contains hydrocarbon components in excess of special waste levels.
- o Peat has a strong affinity for organic contaminants; therefore, benzene, ethylbenzene, toluene and xylenes (BETX) are being adsorbed (retained) by the peat layer.
- o The adsorption of BETX on the peat has the effect of limiting the extent of the soil contamination.
- o Dissolved phase BETX compounds were not detectable in ground water samples collected from Piezometers 18, 21, and 22, which are in close proximity to the south side of the maintenance building.
- o Dissolved phase BETX compounds were detected in ground water samples collected from Piezometers 11 and 23. At the concentrations detected, the ground water would

be considered slightly to moderately contaminated, with benzene being the contaminant of concern.

- o The hydrocarbon vapor detected in Piezometers 18 and 22 is likely naturally derived, as BETX components were not detectable in the soil or water samples collected from these locations.

TABLE 1: Analytical Results - Soil
Remediated Material From the Old Tank Basin Area

Sample Identifier	Benzene	Ethyl-benzene	Toluene	Xylenes	Lead	Oil & Grease
S201 (composite)	0.010	<0.010	<0.010	<0.030	-	941
S202 (composite)	0.160	0.600	1.39	6.48	14.9	-
PPS Standards ¹						
Level A	0.1	0.1	0.1	0.1	50	100
Level B	0.5	5	3	5	500	1 000
Level C	5	50	30	50	1 000	5 000
Special Waste ²	100	100	100	100		30 000

All data expressed as milligrams per kilogram (ppm) dry mass basis.

< Less than detection limit.

- Not analyzed.

¹ British Columbia Standards for Managing Contamination at the Pacific Place Site (89 04 05).

² British Columbia Waste Management Act - Special Waste Legislation.

TABLE 2: Summary of Laboratory Analyses
Confirmatory Samples from the New Excavation South of the Old Tank Basin

Sample Identifier	Benzene	Ethyl-benzene	Toluene	Xylenes	Lead	Oil & Grease
F-1	3.5	<4	<2	<4	-	-
S1/S2 (composite)	68	575	826	3 990	-	3 000
W-1	7.0	17	<2	157	-	-
E-1	20	6.9	6.8	65.4	-	-
PPS Standards ¹						
Level A	0.1	0.1	0.1	0.1	50	100
Level B	0.5	5	3	5	500	1 000
Level C	5	50	30	50	1 000	5 000
Special Waste ²	100	100	100	100		30 000

Results expressed in milligrams/kilograms of dry sediment.

- Not analyzed.

¹ British Columbia Standards for Managing Contamination at the Pacific Place Site (89 04 05).

² British Columbia Waste Management Act - Special Waste Legislation.

TABLE 3: Summary of Laboratory Analyses
Soil Held in Dumpster for Bioremediation During Summer, 1991

Sample Identifier	Benzene	Ethyl-benzene	Toluene	Xylenes	Lead	Oil & Grease
DSTER 1	37	15.9	18.8	104	-	1 390
BC Standards ¹						
Level A	0.1	0.1	0.1	0.1	50	100
Level B	0.5	5	3	5	500	1 000
Level C	5	50	30	50	1 000	5 000
Special Waste ²	100	100	100	100		30 000

Results expressed in milligrams/kilograms of dry sediment.

- Not analyzed.

¹ British Columbia Standards for Managing Contamination at the Pacific Place Site (89 04 05).

² British Columbia Waste Management Act - Special Waste Legislation.

TABLE 4: Analytical Results - Soil Drilling Investigation

Borehole	Sample No.	Sample Interval (m)	Benzene	Ethyl-benzene	Toluene	Xylenes
1991 01 24						
13	1-2	2.6-3.6	<	<	<	<
15	4-1	0.3-1.3	110	947	223	1640
15	4-2	1.9-3.2	361	4070	1220	8960
1991 02 01						
16	2	1.2-1.8	<	<	<	<
16	3	1.8-2.4	<	<	9.9	59.8
17	7	1.5-1.8	<	<	<	<
18	10	3.0-3.6	<	<	<	<
19	11	1.8-2.1	<	<	<	<
20	14	2.3-2.8	<	<	<	<
20	15	3.7-4.3	<	<	<	<
21	16	1.5-2.0	<	<	<	<
22	18	1.5-2.1	<	<	<	<
23	22	3.8-4.3	<	<	<	<
24	25	2.3-2.8	16.6	138	66.2	43
25	27	1.5-1.8	<	<	<	<
25	29	2.1-2.7	<	<	<	<
Detection Limit			0.5	2	4	4
PPS Standards ¹						
Level A			0.1	0.1	0.1	0.1
Level B			0.5	5	3	5
Level C			5	50	30	50
Special Waste ²			100	100	100	100

All data expressed as milligrams per kilogram (ppm) dry mass basis.

< Less than detection limit.

¹ British Columbia Standards for Managing Contamination at the Pacific Place Site (1989 04 05).

² British Columbia Waste Management Act - Special Waste Legislation.

TABLE 5: Analytical Results - Water

Piezometer	Benzene	Ethylbenzene	Toluene	Xylenes
1991 02 25				
11	<	<	<	9.5
18	<	<	<	<
23	5.7	<	<	<
1991 03 13				
21	<	<	<	<
22	<	<	<	<
23	71.3	5.8	7.8	8.9
Detection Limit	0.5	0.8	0.7	0.8
PPS Standards ¹				
Level A	0.5	0.5	0.5	0.5
Level B(ds)	0.5	-	-	-
Level B(dw)	-	-	-	-
Aquatic Life ²	300	700	300	-

All data expressed as micrograms per litre or parts per billion (ppb).

< Less than detection limit.

- No standard listed.

¹ Criteria for Managing Contaminated Sites in British Columbia, Draft 6, 1989 11 21.

² Canadian Water Quality Guidelines (1987).

APPENDIX I

Provincial Standards

APPENDIX I: Provincial Standards

The British Columbia Standards for Managing Contamination at the Pacific Place Site - PPS (1989 04 05) are the guidelines currently used in BC for evaluating levels of soil contamination. This is a three tiered system with the following classifications.

- o PPS Level A: Residential investigation standard. Background levels of inorganics and approximate achievable detection limit for organics.
- o PPS Level B: Residential remediation standard. Commercial/industrial investigation standard.
- o PPS Level C: Commercial/industrial remediation standard.

All land uses are restricted above-Level C.

The special waste criteria is given in the British Columbia Special Waste legislation. As this is currently a commercial site and will likely remain as such, PPS Level C is the applicable remediation standard.

The Criteria for Managing Contaminated Sites in British Columbia, Draft 6 (1989 11 21) are currently being developed by the Ministry of Environment, and generally add ground water guidelines to the existing Pacific Place Site guidelines. The ground water guidelines are a three tiered system with the following classifications.

BC Level A: The approximate achievable analytical detection limits or natural background levels of inorganic and organic compounds.

BC Level B(dw): Remediation criteria for water intended for human consumption.

BC Level B(ds):

De minimus criterion for water-based discharges to protect aquatic life. Contaminant concentrations exceeding Level B(ds) require further work to assess the relative impact of these substances and to determine appropriate action.

APPENDIX II

Laboratory Reports

ASL

OCT 16 1990

FIVE MINUTE GROUP

CHEMICAL ANALYSIS REPORT

Date: Oct. 12, 1990

ASL File No. 3279B

Report On: Sediment Analysis (R9-190)

Report To: Morrow Recovery Systems Inc.
#300 1217 Lonsdale Avenue
North Vancouver, BC
V7M 2H5

Attention: Mr. John Elliot

Date Received: Sep. 25, 1990

Recd	To	Act	Note	Done/Date
	JME			
File				R-9-190

METHODOLOGY

SEDIMENT

Samples were analysed using procedures that are consistent with the requirements of the appropriate regulatory agencies. Comprehensive quality control/quality assurance protocols were followed throughout.

After homogenizing the sediments, representative portions were removed for the analyses noted below.

Moisture

Determined gravimetrically after drying the sample for 12 hrs. @ 103°C.

Metals

Subsamples were digested using a combination of nitric and hydrochloric acids then bulked to volume with deionized-distilled water.

analytical service laboratories Ltd.

1988 Triumph Street, Vancouver, B.C. V5L 1K5 • Fax (604) 253-6700 • Telephone (604) 253-4188

RESULTS OF ANALYSIS - Sediment

File No. 3279B
Page 3

Parameter	R9-190 S201 Sep25/90	R9-190 S202 Sep25/90
-----------	----------------------------	----------------------------

Total Metals

Lead	T-Pb	-	14.9
------	------	---	------

Volatile Organics

Benzene	0.010	0.160
Ethylbenzene	<0.010	0.600
Toluene	<0.010	1.39
ortho-Xylene	<0.010	2.07
meta- & para-Xylene	<0.020	4.41

Extractables

Oil and Grease	941	-
----------------	-----	---

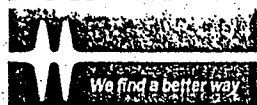
< = less than detection limit indicated.

Sediment results expressed as milligrams per dry kilogram.

RECEIVED

APR 2 1991

POWERTECH



THE MORROW GROUP

Morrow Recovery Inc.
#300 - 1217 Lonsdale Ave.
North Vancouver, B.C.
V7M 2H5

Attn: John Elliot/L. Hanson

Dear Sir:

Re: BTEX Content of Soil Samples

Introduction:

Twenty four soil samples received between 7 December, 1990 and 23 February, 1991 were analysed for BTEX. Gravimetric Oil & Grease contents were also determined for samples S1/S2 composite and sample DSTER1. Twenty-one additional samples received on 3 February, 1991 are being held pending instruction.

Results are attached.

Tested by: E. Hall

Approved by:

N. Dominelli
Sr. Research Chemist
Applied Chemistry

Recd	To	Act	Note	Done/Date
1611				
1711				
File				

POWERTECH LABS INC.

12388 - 88th Avenue
Surrey, British Columbia
Canada V3W 7R7

Phone (604) 590-7500
Fax (604) 590-5347

18 March 1991

Project: 2221-44

File: 0110 C6

PO# R9-190

Morrow Recovery Soil Samples - Project: R9-190

RESULTS - ppm (wt/wt) on a dry weight basis

1. BTEX - December 7, 91				
Sample ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes
F1	3.5	<2	<4	<4
S1/S2 comp	68	826	575	3990
W1	7.0	<2	17	157
E1	20	6.8	6.9	65.4
DSTER1	37	18.8	15.9	104
2. Oil & Grease (Gravimetric) - determined as freon extractables				
S1/S2 comp	3000 ppm			
DSTER1	1390 ppm			
Sample ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes
1-2 (Jan.24,91)	<0.5	<2	<4	<4
4-1 " "	110	947	223	1640
4-2 " "	361	4070	1220	8960
1-1 " "	<0.5	<2	<4	<4
4-3 " "	<0.5	<2	<2	5.9
Sample ID	Benzene	Toluene	Ethyl Benzene	Total Xylenes
2 (Feb. 3,91)	<0.5	<2	<4	<4
3 " "	<0.5	<2	9.9	59.8
7 " "	<0.5	<2	<4	<4
10 " "	<0.5	<2	<4	<4
11 " "	<0.5	<2	<4	<4
14 " "	<0.5	<2	<4	<4
15 " "	<0.5	<2	<4	<4
16 " "	<0.5	<2	<4	<4
18 " "	<0.5	<2	<4	<4
22 " "	<0.5	<2	<4	<4
25 " "	16.6	138	66.2	433
27 " "	<0.5	<2	<4	<4
29 " "	<0.5	<2	<4	<4

REPORT ON: Results of Testing

REPORTED TO: Morrow Recovery
Suite 300-1217 Lonsdale
North Vancouver, B.C.
V7M 2H5

MAR 11 1991

.....MAR.08.1991.....

THE MCFLOW GROUP

Att'n: Mr. John Elliott

FILE NO: 7012-1

DATE: March 8, 1991

MORROW PROJECT: R9-190

DATE			Fax: 6
Reed			Tel: 8
To	Att	Note	Date/Date
JE			
LIH.			
Report as follows:			
File			

We have tested the water samples submitted by you February 25, 1991 and report as follows:

METHODS OF TESTING:

Benzene, Ethylbenzene, Toluene and Xylenes. In water were analyzed using methodology based upon "Code of Federal Regulations" published by Office of Federal Register, USA, Volume 40, Parts 100-149, revised July 1, 1989. Briefly, the procedure was based on method 624.

SAMPLE IDENTIFICATION RESULTS OF TESTING:

(on the following pages)

CAN TEST LTD.

~~Don M. Enns, B.Sc., M.B.A.~~
~~Manager~~

DME/tt
C:MORR7012

VOLATILE COMPOUNDS EPA 624 ANALYSIS

SAMPLE MATRIX: Water
ANALYST: Z.G.

CLIENT: Morrow Recovery Systems Inc.
DATE RECEIVED: 02/25/91
DATE REPORTED: 03/06/91

CANTEST I.D. #:	7012-1	7012-2	7012-3	DETECTION
CLIENT I.D. #:	R9-190-11	R9-190-18	R9-190-23	LIMIT (ug/L)

COMPOUND

Benzene	<	<	5.7	0.5
Ethylbenzene	<	<	<	0.8
Toluene	<	<	<	0.7
Xylenes	9.5	<	<	0.8

SURROGATE STANDARD USED

PERCENT RECOVERY (%)

A.S.
UG

Toluene-d8	103	103	86	0.200
1-Bromo-4-Fluorobenzene	92	82	100	0.200

ug/L = micrograms per Litre
< = less than

MAR 26 1991

CanTest Ltd

Professional
Analytical
Services

Suite 200
1523 West 3rd Ave
Vancouver, BC
V6J 1J8

Fax: 604 731 2386

Tel: 604 734 7276

REPORT ON: Results of Testing

REPORTED TO: Morrow Environmental Consultants Inc.
Suite 300-1217 Lonsdale
North Vancouver, B.C.
V7M 2H5

Att'n: Mr. John Elliot

FILE NO: 7269-I

DATE: March 19, 1991

MORROW PROJECT: R9-190

Recd	To	For	Note	Done/Date
	JE			
	JE/WH			

We have tested the water samples submitted by you on March 13, 1991 and report as follows:

METHODS OF TESTING:

Benzene, Ethylbenzene, Toluene and Xylenes in water were analyzed using methodology based upon "Code of Federal Regulations" published by Office of Federal Register, USA, Volume 40, Parts 100-149, revised July 1, 1989. Briefly, the procedure was based on method 624.

SAMPLE IDENTIFICATION RESULTS OF TESTING:

(on the following pages)

CAN TEST LTD.

Don M. Enns, B.Sc., M.B.A.
Manager

DME/tt
C:MORR7269

VOLATILE COMPOUNDS EPA 624 ANALYSIS

SAMPLE MATRIX: Water
ANALYST: Z.G.

CLIENT: Morrow Env. Cons. Inc.
DATE RECEIVED: 03/13/91
DATE REPORTED: 03/18/91

CANTEST I.D. #:	7269-1	7269-2	7269-3	DETECTION
CLIENT I.D. #:	R9-190-21	R9-190-22	R9-190-23	LIMIT (ug/L)

COMPOUND

Benzene	<	<	71.3	0.5
Ethylbenzene	<	<	5.8	0.8
Toluene	<	<	7.8	0.7
Xylenes	<	<	8.9	0.8

SURROGATE STANDARD USED

PERCENT RECOVERY (%)

A.S.
UG

Toluene-d8	105	89	102	0.200
1-Bromo-4-Fluorobenzene	93	99	82	0.200

ug/L = micrograms per liter
< = less than

APPENDIX III

Sampling Protocols

APPENDIX III: Sampling Protocols

Drilling Investigation

On 1991 01 24, a lightweight, pick-up truck mounted, auger type rotary drill was mobilized to site to drill Boreholes 13 to 15 at the locations shown on Drawing R9-190-303, Appendix VI. Boreholes 13 and 14 are located in a breezeway between the main part of the maintenance building and the fuelling kiosk, and this small rig was required to drill in the breezeway due to the constrained workspace available. Disturbed soil samples were collected, as this rig was not equipped with a split spoon sampler. Borehole 14 could not be completed at this time as concrete or rubble was encountered which could not be penetrated with the lightweight equipment.

On 1991 02 01, Boreholes 16 to 25 were drilled with a conventional auger equipped rotary drill rig at the locations shown on Drawing R9-190-303. The drilling was completed with solid and hollow stem augers. Representative soil samples were collected at regular intervals with split spoon samplers. To minimize the potential for cross contamination, the augers and split spoons were steam cleaned between boreholes and samples, respectively. The soil conditions were logged in detail for parameters such as grain size distribution, moisture content, and apparent hydrocarbon contamination. Soil samples were collected at selected intervals in glass jars for laboratory analysis, and in resealable polyethylene bags for hydrocarbon vapor analyses with a photo-ionization detector (PID). Under controlled temperature conditions, the headspace vapour in each bag was sampled with the PID. This technique allows the operator to determine which samples have elevated hydrocarbon vapor concentrations and should be submitted for laboratory analysis.

Following the completion of drilling, fifty millimetre diameter PVC piezometers were installed in selected boreholes; twenty five millimetre diameter PVC piezometers were installed in Boreholes 13 and 15. The native soils were allowed to collapse around the piezometer, and the remaining annulus was backfilled with silica sand to within 0.4 m of surface. A bentonite seal was then installed to prevent contamination of the piezometer installation with surface runoff. The piezometers were completed with a locking road box mounted flush with the ground surface.

Groundwater Sampling

All water sampling was completed according to the following protocols.

- o A minimum of three well volumes were removed from each piezometer with a suction pump with a dedicated purging line.
- o A stainless steel bailer was decontaminated by successively rinsing with isopropyl alcohol, distilled water, soapy water, and twice more with distilled water.
- o Water samples were collected with the bailer (using a dedicated sampling line) and placed in purge and trap vials for benzene, ethylbenzene, toluene, and xylenes (BETX) analysis.

The water samples were stored on ice until being delivered to CanTest Ltd. in Vancouver for chemical analysis.

APPENDIX IV

Monitoring Data

Water & Product Level Inspection Report

Date/Time: 1991 02 08

B.C. Gas
Lougheed & Boundary
Burnaby, BC

Observer: L.I.H.Weather: Clear, 10°C.

Piezo- meter No.	Reference Elevation (m)	Depth to Product (m)	Apparent Product Thickness (mm)	Depth to Water (m)	Elevation of Water Surface (m)	% LEL	Comments
9	9.985	-	0	1.640	8.345	0	n/a
10	9.963	-	0	1.901	8.062	20	
11	9.965	-	-	-	-	-	
12	9.852	-	0	1.721	8.131	0	
13	10.070	-	0	1.761	8.309	0	
15	10.176	-	0	1.491	8.685	5	
18	9.861	-	0	1.809	8.052	60	
21	9.823	-	0	1.587	8.236	0	
22	10.000	-	0	1.865	8.135	7	
23	9.867	-	0	1.958	7.909	0	

Water & Product Level Inspection Report

Date/Time: 1991 02 22B.C. Gas
Lougheed & Boundary
Burnaby, BCObserver: R.B.Weather: Clear, 9°C.

Piezo- meter No.	Reference Elevation (m)	Depth to Product (m)	Apparent Product Thickness (mm)	Depth to Water (m)	Elevation of Water Surface (m)	% LEL	Comments
9	9.985	-	0	1.730	8.255	0	
10	9.963	-	0	1.991	7.977	0	
11	9.965	-	0	2.223	7.742	0	
12	9.852	-	0	1.808	8.044	0	
13	10.070	-	0	1.850	8.220		
15	10.176	-	0	1.620	8.556	7	
18	9.861	-	0	1.895	7.966	6	
21	9.823	-	0	1.675	8.148	0	
22	10.000	-	0	1.919	8.081	0	
23	9.867	-	0	2.082	7.785	0	

APPENDIX V

Borehole Logs

PROJECT: B.C. GAS		LOCATION: (See Figure): R9-190-301		BOREHOLE No.: 15	
LOCATION: BURNABY PLANT		BOREHOLE TYPE: SOLID STEM AUGER		DIAMETER: 50mm	
SAMPLE TYPE: <input checked="" type="checkbox"/> CORE <input type="checkbox"/> SPLIT SPOON <input type="checkbox"/> SHELBY <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY					

LEV. - DEPTH (m)	STRATIGRAPHY	STRATIGRAPHY PLOT	SAMPLE TYPE	SAMPLE NUMBER	VAPOR LEVEL				N VALUE	WATER LEVEL	PIEZOMETER INSTALLATION ADDITIONAL LAB. TESTING
					● %LEL	▲ ppm.	100	200				300	400
					● 20	● 40	● 60	● 80			
0.0	Concrete										<div style="border: 1px solid black; padding: 5px; margin-bottom: 5px;">25mm ø Solid PVC pipe</div> <div style="border: 1px solid black; padding: 5px;">25mm ø Slotted PVC pipe</div>
1.0	Gravelly SAND, grey discoloration. Product odour.		X	4-1	●						
2.0	Dark brown PEAT, saturated, product odour.		X	4-2	●						
3.0	Grey silty SAND, saturated, no product odour.		X	4-3							
4.0	End of borehole ● 4.3m.										
5.0											
6.0											
7.0											
8.0											

MORROW ENVIRONMENTAL CONSULTANTS INC. North Vancouver, B.C.	DATE: 91.01.24	JOB NO.: R9-190
	LOGGED BY: JME	SHEET 2 OF 2

PROJECT: B.C. GAS				LOCATION:(See Figure):				BOREHOLE No.: 16				
LOCATION: BURNABY PLANT				BOREHOLE TYPE: SOLID STEM AUGER				DIAMETER: 150mm				
SAMPLE TYPE: <input checked="" type="checkbox"/> CORE <input checked="" type="checkbox"/> SPLIT SPOON <input checked="" type="checkbox"/> SHELBY <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY												
ELEV. - DEPTH (m)	STRATIGRAPHY	STRATIGRAPHY PLOT	SAMPLE TYPE	SAMPLE NUMBER	VAPOR LEVEL				N VALUE	WATER LEVEL	PIEZOMETER INSTALLATION ADDITIONAL LAB. TESTING	
					● %LEL	▲ ppm.	100 20	200 40				300 60	400 80
0.0	Asphalt										No piezometer installed	
1.0	Gravelly fine to medium SAND. Damp, trace odour. Gravel to 30mm ϕ . Grey discoloration below 1.2m.			S1	▲							
				S2	▲							
2.0				S3	▲							
				S4	▲							
3.0	Brown, medium sandy PEAT. Damp, no odour. Grey SILT, trace clay. Saturated, no odour. End of borehole ● 3.6m.			S5								
4.0												
5.0												
6.0												
7.0												
8.0												
9.0												

MORROW ENVIRONMENTAL CONSULTANTS INC. North Vancouver, B.C.	DATE: 1991.02.01	JOB NO.: R9-190
	LOGGED BY: LH	SHEET 1 OF 10

PROJECT: B.C. GAS				LOCATION: (See Figure):				BOREHOLE No.: 17			
LOCATION: BURNABY PLANT				BOREHOLE TYPE: SOLID STEM AUGER				DIAMETER: 150mm			
SAMPLE TYPE: <input checked="" type="checkbox"/> CORE <input checked="" type="checkbox"/> SPLIT SPOON <input checked="" type="checkbox"/> SHELBY <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY											
ELEV. - DEPTH (m)	STRATIGRAPHY	STRATIGRAPHY PLOT	SAMPLE TYPE	SAMPLE NUMBER	VAPOR LEVEL				N VALUE	WATER LEVEL	PIEZOMETER INSTALLATION ADDITIONAL LAB. TESTING
					● %LEL	▲ ppm.	100	200				300	400
0.0	Asphalt										No piezometer Installed
	Gravelly fine to medium SAND, occasional cobble to 100mm ϕ . Damp, no odour.			S6							
1.0				S7		▲					
	Brown PEAT, some wood chips. Damp, trace odour.			S8	▲						
2.0											
	Fine to medium SAND. Saturated, trace odour. Silty brown PEAT. Damp, no odour.										
3.0	End of borehole @ 3.0m.										
4.0											
5.0											
6.0											
7.0											
8.0											
9.0											
MORROW ENVIRONMENTAL CONSULTANTS INC. North Vancouver, B.C.				DATE: 1991.02.01				JOB NO.: R9-190			
				LOGGED BY: LIH				SHEET 2 OF 10			

PROJECT: B.C. GAS				LOCATION:(See Figure):				BOREHOLE No.: 18							
LOCATION: BURNABY PLANT				BOREHOLE TYPE: SOLID STEM AUGER				DIAMETER: 150mm							
SAMPLE TYPE: <input checked="" type="checkbox"/> CORE <input checked="" type="checkbox"/> SPLIT SPOON <input checked="" type="checkbox"/> SHELBY <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY															
ELEV. - DEPTH (m)		STRATIGRAPHY		SAMPLE TYPE		SAMPLE NUMBER		VAPOR LEVEL ● %LEL ▲ ppm. ▲ 100 200 300 400 ● 20 40 60 80		N VALUE		WATER LEVEL		PIEZOMETER INSTALLATION ADDITIONAL LAB. TESTING	
0.0		Asphalt													
1.0		Gravelly fine to medium SAND. Gravel to 30mmØ. Damp, no odour. No discoloration.													
2.0		Brown fine to medium sandy PEAT, some wood chips. Damp, no odour.		S9		▲									
3.0		Grey SILT, fine sandy to trace fine sand. Saturated, no odour.													
4.0		Grey fine to medium SAND, trace to some silt. Saturated, trace odour.		S10											
5.0		Grey SILT. Saturated, no odour.													
6.0		End of borehole ● 3.7m.													
7.0															
8.0															
9.0															

MORROW ENVIRONMENTAL CONSULTANTS INC.
North Vancouver, B.C.

DATE: 1991.02.01

LOGGED BY: LIH

JOB NO.: R9-190

SHEET 3 OF 10

PROJECT: B.C. GAS				LOCATION:(See Figure):				BOREHOLE No.: 19			
LOCATION: BURNABY PLANT				BOREHOLE TYPE: SOLID STEM AUGER				DIAMETER: 150mm			
SAMPLE TYPE: <input checked="" type="checkbox"/> CORE <input checked="" type="checkbox"/> SPLIT SPOON <input checked="" type="checkbox"/> SHELBY <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY											
ELEV. - DEPTH (m)	STRATIGRAPHY	STRATIGRAPHY PLOT	SAMPLE TYPE	SAMPLE NUMBER	VAPOR LEVEL				N VALUE	WATER LEVEL	PIEZOMETER INSTALLATION ADDITIONAL LAB. TESTING
					● %LEL	▲ ppm.	▲ 100 ● 20	200 40				300 60	400 80
0.0	Asphalt										No piezometer Installed
	Gravelly fine to medium SAND. Gravel to 30mmØ. Damp, no odour.										
1.0											
	Brown PEAT, some wood chips. Damp, no odour.		▲	S11							
2.0											
	Grey SILT, trace to some fine sand. Saturated, no odour.		▲	S12							
3.0	End of borehole ● 3.0m.										
4.0											
5.0											
6.0											
7.0											
8.0											
9.0											
MORROW ENVIRONMENTAL CONSULTANTS INC. North Vancouver, B.C.				DATE: 1991.02.01				JOB NO.: R9-190			
				LOGGED BY: LIH				SHEET 4 OF 10			

PROJECT: B.C. GAS				LOCATION:(See Figure):				BOREHOLE No.: 20			
LOCATION: BURNABY PLANT				BOREHOLE TYPE: SOLID STEM AUGER				DIAMETER: 150mm			
SAMPLE TYPE: <input checked="" type="checkbox"/> CORE <input checked="" type="checkbox"/> SPLIT SPOON <input checked="" type="checkbox"/> SHELBY <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY											
ELEV. - DEPTH (m)	STRATIGRAPHY	STRATIGRAPHY PLOT	SAMPLE TYPE	SAMPLE NUMBER	VAPOR LEVEL				N VALUE	WATER LEVEL	PIEZOMETER INSTALLATION ADDITIONAL LAB. TESTING
					● %LEL	▲ ppm.	▲ 100	● 200				▲ 300	● 400
0.0	Asphalt										No piezometer Installed
1.0	Gravelly fine to medium SAND, some silt. Damp, no odour.			S13							
2.0	Brown PEAT. Damp, no odour.										
	Grey fine to medium SAND. Saturated, no odour.			S14	▲						
3.0	Brown PEAT. Damp, no odour.										
	Brown sandy PEAT. Saturated, no odour.										
4.0	End of borehole @ 4.3m.			S15							
5.0											
6.0											
7.0											
8.0											
9.0											
MORROW ENVIRONMENTAL CONSULTANTS INC. North Vancouver, B.C.				DATE: 1991.02.01				JOB NO.: R9-190			
				LOGGED BY: LIH				SHEET 5 OF 10			

PROJECT: B.C. GAS				LOCATION: (See Figure):				BOREHOLE No.: 21			
LOCATION: BURNABY PLANT				BOREHOLE TYPE: SOLID STEM AUGER				DIAMETER: 150mm			
SAMPLE TYPE: <input checked="" type="checkbox"/> CORE <input type="checkbox"/> SPLIT SPOON <input type="checkbox"/> SHELBY <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY											

ELEV. - DEPTH (m)	STRATIGRAPHY	STRATIGRAPHY PLOT	SAMPLE TYPE	SAMPLE NUMBER	VAPOR LEVEL				N VALUE	WATER LEVEL	PIEZOMETER INSTALLATION ADDITIONAL LAB. TESTING	
					● %LEL	▲ ppm.	▲ 100	● 20				
					20	40	60	80				
0.0	Asphalt											<div style="display: flex; align-items: center;"> <div style="width: 10px; height: 100px; border: 1px solid black; position: relative;"> <div style="position: absolute; top: 0; bottom: 0; left: 2px; right: 2px; border: 1px solid black;"></div> </div> <div style="margin-left: 5px;"> 50mm ø Solid PVC pipe </div> </div> <div style="display: flex; align-items: center; margin-top: 10px;"> <div style="width: 10px; height: 100px; border: 1px solid black; position: relative;"> <div style="position: absolute; top: 0; bottom: 0; left: 2px; right: 2px; border: 1px solid black;"></div> </div> <div style="margin-left: 5px;"> 50mm ø Slotted PVC pipe </div> </div>
1.0	Gravelly fine to medium SAND, some silt, occasional cobbles to 100mmø. Damp, no odour.											
2.0	Brown PEAT, some wood chips. Damp, no odour.		/	S16								
3.0			○									
4.0	Grey SILT. Saturated, no odour.		○									
5.0	End of borehole ● 5.3m.											
6.0												
7.0												
8.0												
9.0												

MORROW ENVIRONMENTAL CONSULTANTS INC. North Vancouver, B.C.	DATE: 1991.02.01	JOB NO.: R9-190
	LOGGED BY: LIH	SHEET 6 OF 10

PROJECT: B.C. GAS				LOCATION: (See Figure):				BOREHOLE No.: 22			
LOCATION: BURNABY PLANT				BOREHOLE TYPE: SOLID STEM AUGER				DIAMETER: 150mm			
SAMPLE TYPE: <input checked="" type="checkbox"/> CORE <input checked="" type="checkbox"/> SPLIT SPOON <input checked="" type="checkbox"/> SHELBY <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY											
ELEV. - DEPTH (m)	STRATIGRAPHY	SAMPLE TYPE	SAMPLE NUMBER	VAPOR LEVEL				N VALUE	WATER LEVEL	PIEZOMETER INSTALLATION ADDITIONAL LAB. TESTING	
				● %LEL	▲ ppm.	▲ 100	● 20					200	300	400	80
0.0	Asphalt										<div style="border: 1px solid black; padding: 2px;"> 50mm ø Solid PVC pipe </div> <div style="border: 1px solid black; padding: 2px; margin-top: 10px;"> 50mm ø Slotted PVC pipe </div>
	Light brown medium SAND, some gravel to 20mmø. Damp, no odour.										
	Brown PEAT. Damp, no odour.										
1.0	Grey silty fine SAND. Damp, no odour.		S17 ▲								
2.0			S18 ▲								
	Brown PEAT, some wood chips. Damp, no odour.		S								
3.0			S								
4.0	Firm grey SILT, trace fine sand. Saturated, no odour.		S19								
	End of borehole @ 4.3m.										
5.0											
6.0											
7.0											
8.0											
9.0											

MORROW ENVIRONMENTAL CONSULTANTS INC. North Vancouver, B.C.	DATE: 1991.02.01	JOB NO.: R9-190
	LOGGED BY: LIH	SHEET 7 OF 10

PROJECT: B.C. GAS				LOCATION:(See Figure):				BOREHOLE No.: 23			
LOCATION: BURNABY PLANT				BOREHOLE TYPE: SOLID STEM AUGER				DIAMETER: 150mm			
SAMPLE TYPE: <input type="checkbox"/> CORE <input checked="" type="checkbox"/> SPLIT SPOON <input type="checkbox"/> SHELBY <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY											

ELEV. - DEPTH (m)	STRATIGRAPHY	STRATIGRAPHY PLOT	SAMPLE TYPE	SAMPLE NUMBER	VAPOR LEVEL				N VALUE	WATER LEVEL	PIEZOMETER INSTALLATION ADDITIONAL LAB. TESTING	
					● %LEL	▲ ppm.	▲ 100	● 20					200	300	400	60	80
0.0	Asphalt											<div style="border: 1px solid black; padding: 5px;"> 50mm ø Solid PVC pipe </div> <div style="border: 1px solid black; padding: 5px; margin-top: 10px;"> 50mm ø Slotted PVC pipe </div>
1.0	Loose light brown fine to medium SAND. Damp, no odour.			S20								
2.0	Brown PEAT. Damp, no odour.			S21								
	Fine to medium SAND, trace silt. Damp, no odour.			S22								
3.0	Brown PEAT. Damp, no odour.											
	Grey SILT, trace fine sand. Saturated, no odour.											
4.0	End of borehole @ 4.3m.			S23								
5.0												
6.0												
7.0												
8.0												
9.0												

MORROW ENVIRONMENTAL CONSULTANTS INC. North Vancouver, B.C.	DATE: 1991.02.01	JOB NO.: R9-190
	LOGGED BY: LIH	SHEET 8 OF 10

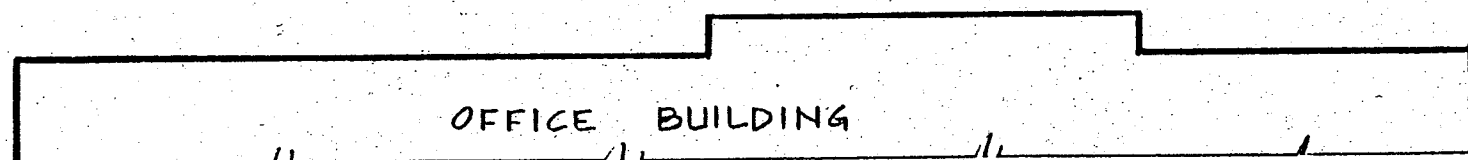
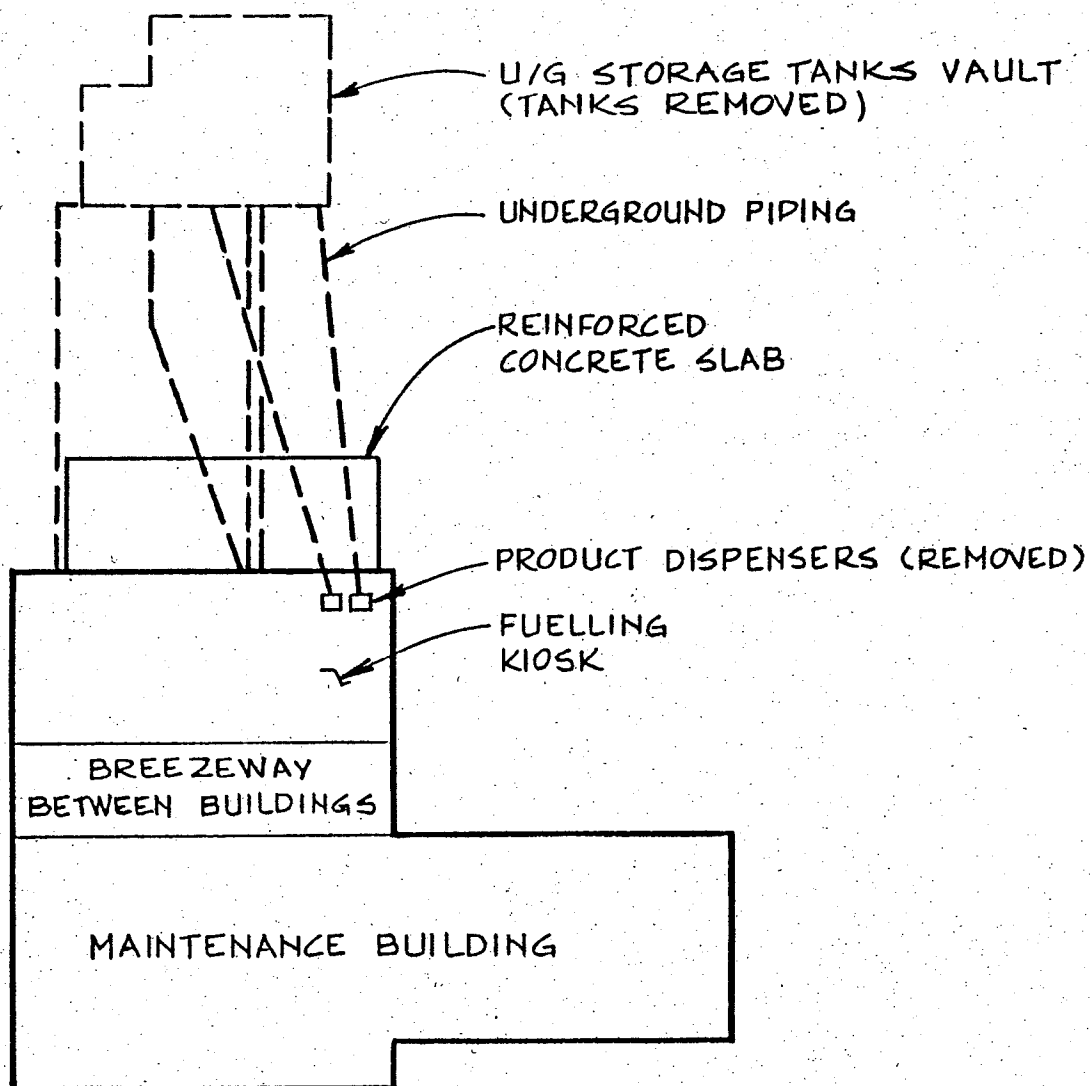
PROJECT: B.C. GAS				LOCATION:(See Figure):				BOREHOLE No.: 24			
LOCATION: BURNABY PLANT				BOREHOLE TYPE: SOLID STEM AUGER				DIAMETER: 150mm			
SAMPLE TYPE: <input checked="" type="checkbox"/> CORE <input type="checkbox"/> SPLIT SPOON <input type="checkbox"/> SHELBY <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY											
ELEV. - DEPTH (m)	STRATIGRAPHY	STRATIGRAPHY PLOT	SAMPLE TYPE	SAMPLE NUMBER	VAPOR LEVEL				N VALUE	WATER LEVEL	PIEZOMETER INSTALLATION ADDITIONAL LAB. TESTING
					● %LEL	▲ ppm.	▲ 100	● 200				▲ 300	● 400
0.0	Concrete										No piezometer Installed
1.0	Gravelly fine to medium SAND, trace SILT. Damp, trace odour. Grey discoloration.										
2.0	Brown PEAT. Damp, trace odour.		/	S24	▲						
3.0			/	S25				▲			
4.0			○								
	Transition Approximate										
	Grey SILT, trace fine sand. Saturated, no odour.		/	S26							
	End of borehole @ 4.3m.										
5.0											
6.0											
7.0											
8.0											
9.0											
MORROW ENVIRONMENTAL CONSULTANTS INC. North Vancouver, B.C.				DATE: 1991.02.01				JOB NO.: R9-190			
				LOGGED BY: JME				SHEET 9 OF 10			

PROJECT: B.C. GAS				LOCATION: (See Figure):				BOREHOLE No.: 25			
LOCATION: BURNABY PLANT				BOREHOLE TYPE: SOLID STEM AUGER				DIAMETER: 150mm			
SAMPLE TYPE: <input checked="" type="checkbox"/> CORE <input type="checkbox"/> SPLIT SPOON <input type="checkbox"/> SHELBY <input checked="" type="checkbox"/> DISTURBED <input type="checkbox"/> NO RECOVERY											
ELEV. - DEPTH (m)	STRATIGRAPHY	STRATIGRAPHY PLOT	SAMPLE TYPE	SAMPLE NUMBER	VAPOR LEVEL				N VALUE	WATER LEVEL	PIEZOMETER INSTALLATION ADDITIONAL LAB. TESTING
					● %LEL	▲ ppm.	▲ 100	● 20				● 40	● 60	● 80
0.0	Asphalt										No piezometer installed
	Brown fine to medium SAND, trace SILT. Damp, no odour. Trace odour @ 1.5m.										
1.0											
			X	S27							
			X	S28							
2.0											
	Dark brown PEAT. Damp, no odour.		/	S29							
3.0											
			/								
4.0	Brown PEAT, some sand, some clay. Damp, no odour.		/	S30							
	Grey SILT, trace fine sand. Damp, no odour.										
5.0			/								
			/	S31							
6.0	End of borehole @ 5.8m.										
7.0											
8.0											
9.0											
MORROW ENVIRONMENTAL CONSULTANTS INC. North Vancouver, B.C.				DATE: 1991.02.01				JOB NO.: R9-190			
				LOGGED BY: JME				SHEET 10 OF 10			

APPENDIX VI

Drawings

SERVICE ROAD

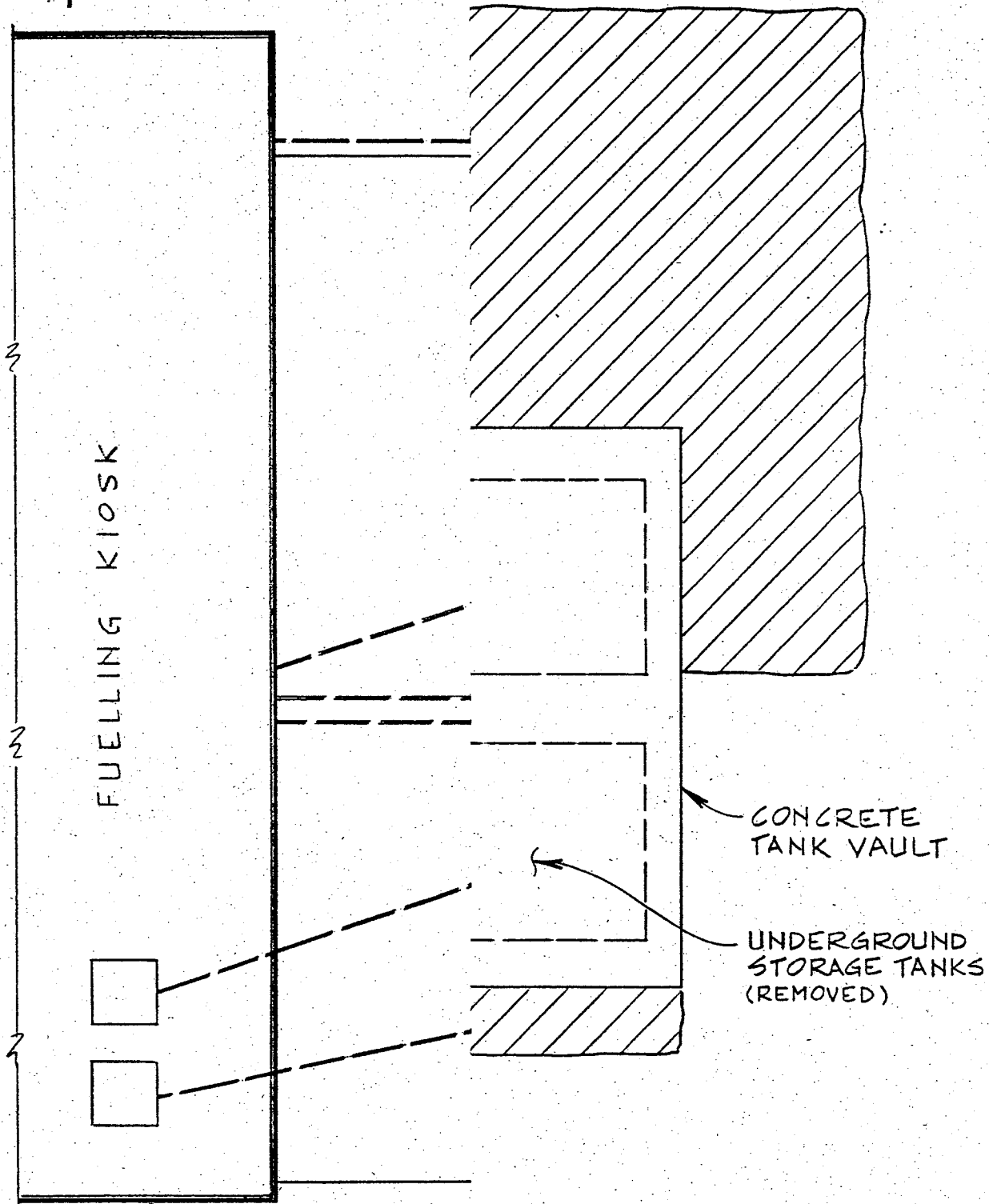


MORROW ENVIRONMENTAL CONSULTANTS INC.
NORTH VANCOUVER, B.C.

SCALE 1:200	ENGINEER	APPROVED BY	DRAWN BY J.S.
DATE 91.04.04	J.M.E.	CLIENT:	CHECKED

GENERAL SITE LAYOUT

B.C. GAS BURNABY, B.C.	DRAWING NUMBER R9-190-301	REV
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MORROW ENVIRONMENTAL CONSULTANTS INC.
NORTH VANCOUVER, B.C.

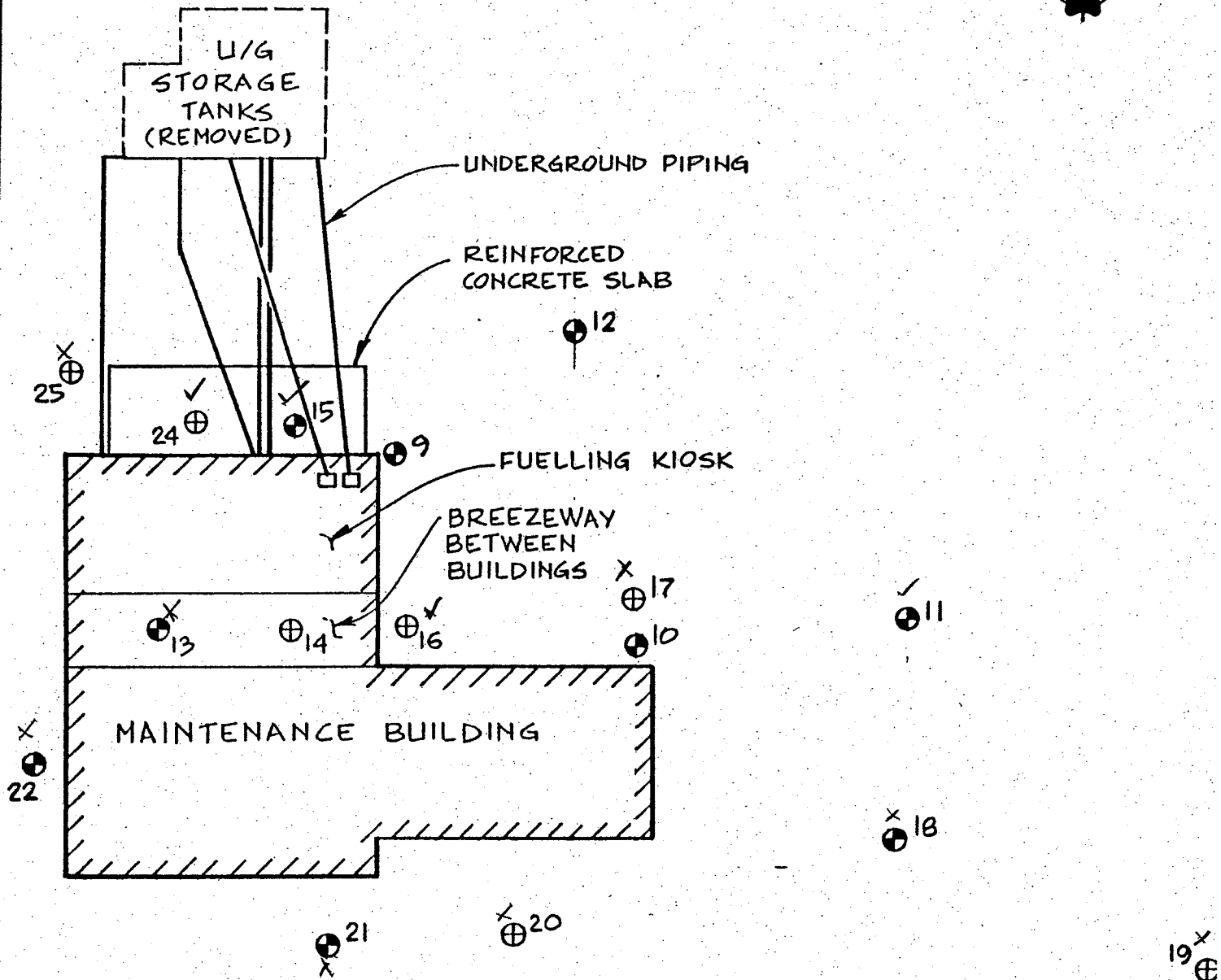
SCALE 1:50	APPROVED BY		DRAWN BY J.S.
DATE 91.04.03	ENGINEER J.M.E.	CLIENT	CHECKED

EXCAVATION LOCATIONS

B.C. GAS
BURNABY, B.C.

DRAWING NUMBER	REV
R9-190-302	

23 ⊕ ✓ SERVICE ROAD —



LEGEND

- ⊗ PIEZOMETER
- ⊕ BOREHOLE

OFFICE BUILDING

MORROW ENVIRONMENTAL CONSULTANTS INC.			
NORTH VANCOUVER, B.C.			
SCALE 1:200	APPROVED BY		DRAWN BY J.S.
DATE 91.02.01	ENGINEER L.H.	CLIENT:	CHECKED
PIEZOMETER & BOREHOLE LOCATIONS			
B.C. GAS - BURNABY, B.C.			REV
DRAWING NUMBER 129-190-303			

8

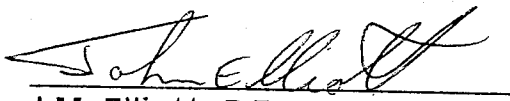
ENVIRONMENTAL REMEDIATION REPORT

**HYDROCARBON CONTAMINATED SOILS
FROM VEHICLE FUELLING FACILITY**

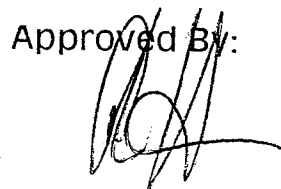
**3777 Lougheed Highway
Burnaby, BC**

**Prepared For:
BC GAS INC.**

Prepared By:


J.M. Elliott, P.Eng.

Approved By:



L.G. Hanson, P.Geo.



R9-190
1993 12 14

EXECUTIVE SUMMARY

This report is intended to address all outstanding requirements of the Letter of Approval AS 11593, issued by the BC Ministry of Environment, Lands and Parks for the subject site. It discusses the excavation, treatment, and disposal of hydrocarbon contaminated soils which resulted from spillage associated with a former vehicle fuelling facility.

In addition to addressing the direct requirements of the approval, the report provides additional background information to describe earlier clean up work performed to enable the fuelling facility area to be removed from a proposed provincial contaminated sites registry.

A brief discussion of the limitations of the report is contained in Section 6.

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2.0 BACKGROUND	2
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2.2 Contamination History & Earlier Related Work	2
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3.5 Treatment of the Contaminated Soil	6
3.6 Disposal of the Treated Soil	6
3.7 Closure of the Treatment Facility	6
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5.0 CONCLUSIONS	9
6.0 CLOSURE	10

APPENDICES:

- I. Photographs
- II. Analytical Reports
- III. Correspondence with Environment, Lands & Parks
- IV. Drawings

INTRODUCTION

At the request of Mr. D.L. Record, A.Sc.T., of BC Gas Inc., Morrow Environmental Consultants Inc. (MECI) has completed environmental inspection services related to the identification, excavation, treatment and disposal of hydrocarbon contaminated soils at the Lochburn Gas Distribution Centre, 3777 Lougheed Highway, Burnaby, BC. In order to perform the work, it was necessary to demolish a former fuelling station and a maintenance building which were located above the contaminated soils.

The work outlined in this report was performed under Letter of Approval AS 11593, issued by the BC Ministry of Environment, Lands and Parks (BC ELP). This report is the second and final document to be issued under the approval, and is intended to fulfil all the outstanding approval obligations. It follows our earlier letter to BC ELP of 1993 08 30.

The project was performed by BC Gas Inc. in order to remove the "Historical Special Waste Contaminated Site" designation which had been applied to the Lochburn fuelling facility area by BC ELP, due to the identification of fuel spillage from underground storage tanks, which occurred prior to 1989. With the completion of this work, the area may be deleted from a proposed contaminated sites registry which BC ELP advised that they would be compiling. The area could be considered of suitable environmental quality for redevelopment under its present industrial zoning. We note that the subject fuelling facility area forms only a portion of the Lochburn site.

The Lochburn Gas Distribution Centre is located at 3777 Lougheed Highway, on the northeast corner of the highway intersection with Boundary Road in Burnaby, BC. The legal description is District Lot 118, Plan 3067, Remainder Block L, New Westminster District. The site has been used for industrial and office purposes by BC Gas/BC Hydro since the early part of the century. Drawings R9-190-101 and R9-190-402 (Appendix IV) contain a key plan and site plan showing the location of the Lochburn site and the location of the project area within the site, respectively.

2.0 BACKGROUND

2.1 General History

The portion of the Lochburn site related to this project had been used as a corporate vehicle fuelling and maintenance facility since approximately 1957. The fuelling facility was decommissioned in 1989, following the discovery of fuel leakage from a concrete, underground, fuel tank storage vault. At the time of decommissioning the vault contained one 9100 L gasoline, one 9100 L diesel, and one 2500 L furnace oil tank in separate compartments.

2.2 Contamination History and Earlier Related Work

MECI (formerly Morrow Recovery Systems Inc.), has been involved with the site since 1989 06, when leakage from the tanks was first noted. MECI performed drilling investigations to identify the extent of the contaminated area, which was found to be predominantly toward the south and east of the former underground storage tank vault. Concentrations of benzene, ethylbenzene, toluene and xylene (BETX) up to special waste concentrations as defined by the BC Waste Management Act, Special Waste Regulation (92 04 16), were identified in soil during the assessment.

The contaminated material appeared to be restricted primarily to a peat horizon which exists in the area between approximately 1.0 and 3.5 m below existing surface grade. The hydrocarbon contaminants appeared to be vertically confined by a grey silty clay, at approximately 3.0 to 3.5 m depth. Contaminated soils, within and surrounding the tank vault were excavated, treated and disposed of under an earlier approval (LS 00288). The work was discontinued at the foundations of the fuelling facility/maintenance building. Since the buildings were of slab on grade and pile construction, contaminant migration into underlying soil strata occurred.

Subsurface water has been measured at approximately 1.3 to 1.8 m below grade across the site, in piezometers screened across the peat horizon, however, water has generally not been

observed during excavation work, which has been generally performed during or following dry periods.

Further to a 1991 request from BC ELP, subsurface water sampling and analysis for BETX/light hydrocarbon concentrations was conducted across the site as a management tool, during the interval between the first and subject approvals (1991 12 04). The analytical data was forwarded to BC ELP following the work, and again is included in Appendix II (ASL File 9616B). The sample locations are depicted on Drawing R9-190-303 (Appendix IV). Of the locations sampled, only two piezometers (12 and 23) contained detectable concentrations of BETX. These were substantially below the levels described in both the provincial (CMCS-B_{DS}) and federal (Canadian Water Quality Guidelines) criteria to protect aquatic life. The analytical data is summarized in Table 3 beside these guidelines. To our knowledge, subsurface water in the area serves neither potable or industrial uses. While the Still Creek originally flowed to the east of the fuelling facility on the site in a northwest to southeast direction, it was culverted approximately 30 years ago during redevelopment.

Following decommissioning of the fuelling facility, an initial approval to store and treat special waste (LS 00288 - 90 03 15) was granted by BC ELP and the area was designated a "Historical Special Waste Contaminated Site". A series of reports and letters were prepared by MECI for BC ELP, detailing the removal, storage, and treatment of special waste contaminated soil and other soils containing contaminant concentrations exceeding Level C (the commercial industrial remediation criteria) as defined by the BC Criteria For Managing Contaminated Sites (CMCS), 1989 11 21.

TABLE 1: Soil Sample Log, Excavation Samples

R9-190

Sample	Date	Description
S-1	92 09 28	Floor, grey silt/clay, wet, 3 m, 40 ppm
S-2		west wall, peat, dry, 2.5 m, 60 ppm
S-3		west wall, peat, dry, 2.5 m, 60 ppm
S-4		south wall, peat, dry, 2.5 m, 45 ppm
S-5		east wall, peat, dry, 2.5 m, 400 ppm
S-6		south wall, peat, dry, 2.5 m, 180 ppm
S-7		SE corner, wall, peat, dry, 2.0 m, 200 ppm
S-8		floor, grey silt/clay, wet, 3.5 m, 150 ppm
S-8A		(duplicate of S-8)
S-9	92 10 01	south wall, peat, dry, 3.0 m, 60 ppm
S-10		floor, grey silt/clay, dry, 3.5 m, 60 ppm
S-11		east wall, peat, dry, 2.5 m, 400 - 600 ppm
S-12		south wall, peat, dry, 2.5 m, 60 ppm
S-13		north wall, east end, peat, dry, 4000 ppm
S-14	92 10 08	floor, grey silt/clay, 3.0 m, wet, 0 ppm
S-15		floor, grey silt/clay, 3.5 m, wet, 0 ppm (S-14 and 15 were lab composited)
S-16		north wall, peat, 2.5 m, dry 1000 ppm
S-17		northeast wall, two point composite, sand and peat, (peat is pinched out by power duct backfill), 1.5 - 2.5 m, 1000 ppm
S-18		east wall, peat, 2.5 m, dry, 2000 ppm
S-19	92 10 09	northwest corner, wall, peat, below sewer pipe backfill, wet, 1.5 - 2.4 m, 1000 ppm
S-20		north wall, grey sand below sewer pipe, 2.6 m, wet, 1000 ppm
S-21		east wall, grey sand (peat virtually pinched out), 2.5 m
S-22		southeast corner, peat, 3 m, wet, 200 ppm
S-23		east wall, composite, peat and grey to coarse sand, 2.5 m (peat virtually pinched out <0.3 m thick), 1000 ppm
S-24		west wall, peat, 2.5 m, 200 ppm
S-25	92 10 27	west wall, 4 point composite, peat, 2.5-3.5 m, 42 ppm
S-26		west wall, 4 point composite, peat, 2.5 m, 52 ppm
S-27		west wall, 4 point composite, peat, 2.7 m, 60 ppm
S-28		north wall, mostly grey sand sewer backfill, some peat, 3.0 m
S-29	92 10 28	east wall, composite, 1.5-3.0 m, mostly grey sand backfill
S-30		test pit, east of hydro duct, black organic soil, 0.8 m (not analyzed)

Notes: Samples are considered single point unless noted.

Concentration readings (ppm) refer to a head space field screening procedure where a portion of the sample is placed in a sealed plastic bag and the soil vapours allowed to equilibrate with the air in the bag. The measurement is obtained with a catalytic oxidizing test apparatus calibrated to hexane.

TABLE 2: Summary of Laboratory Analysis - Confirmatory Soil Samples Collected from Excavation
Organic Analysis

Sample	Sample Date	Location	Benzene	Ethyl- benzene	Toluene	Xylenes	Light Hydrocarbons	Total Extractable Hydrocarbons	Mineral Oil & Grease
S-1	92 09 28	Floor	2.6	<4	<2	<4	<50	162	-
S-4		SW wall	<0.5	<4	<2	<4	<50	-	-
S-8		Floor	2.0	<4	<2	<4	<50	-	250
S-9	92 10 01	S wall	<0.5	<4	<2	<4	<50	-	-
S-10		Floor	1.9	<4	<2	<4	<50	-	-
S-11		SE Wall	2.4	<4	<2	15.9	<50	141	-
S-12		S wall	<0.5	<4	<2	<4	<50	-	-
S14/15*	92 10 08	Floor	1.1	<4	<2	<4	<50	-	-
S-17	92 10 08	Wall	1.2	<4	<2	17.6	58	-	-
S-20	92 10 09	NE wall	0.5	<4	<2	14.4	488	-	-
S-21	92 10 09	E wall	<0.5	<4	<2	9.1	161	-	-
S-23		E wall	0.52	7.1	3.6	33.5	505	-	-
S-25	92 10 27	W wall	-	-	-	-	-	1 590	-
S-26		W wall	-	-	-	-	-	1 210	-
S-27		NW wall	4.14	1.23	0.283	7.86	37.4	-	-
S-28		N wall	<0.050	<0.050	<0.050	<0.10	5.21	-	-
S-29	92 10 28	E wall	<0.070	<0.050	<0.050	<0.10	<0.10	-	-
BC Standards ¹									
Level A			0.1	0.1	0.1	0.1	100	-	100
Level B			0.5	5	3	5	150	400 ³	1 000
Level C			5	50	30	50	800	2 000 ³	5 000
Special Waste ²			100	100	100	100	-	-	30 000

Concentrations expressed in milligrams per kilogram of dry sediment.

< Less than detection limit; - = analysis not performed.

¹ Criteria for Managing Contaminated Sites in British Columbia, Draft 6, 1989 11 21.

² British Columbia Waste Management Act, Special Waste Regulation.

³ Contaminated Sites Unit Memorandum, October 1991, Robert McLenehan.

TABLE 2A: Summary of Laboratory Analysis, Soil Samples
Collected from Excavation, Inorganic Analysis

R9-190

Parameter	Sample S-8	BC Standards ¹		
	Floor	A	B	C
Arsenic	<20	5	30	50
Barium	<350	200	500	2 000
Cadmium	<3	1	5	20
Chromium	<150	20	250	800
Cobalt	<40	15	50	300
Copper	<80	30	100	500
Lead	<300	50	500	1 000
Mercury	<2	0.1	2	10
Molybdenum	<8	4	10	40
Nickel	<80	20	100	500
Selenium	<3	2	3	10
Silver	<10	2	20	40
Tin	<40	5	50	300
Zinc	<350	80	500	1 500

Concentrations expressed in milligrams per kilogram of dry sediment.

< Less than detection limit.

¹ Criteria for Managing Contaminated Sites in British Columbia, Draft 6, 1989 11 21.

TABLE 3: Summary of Analytical Results - Water Samples, Organic Analyses

R9-190

Piezometer	Sample Date	Benzene	Ethyl-benzene	Toluene	Xylenes	LAH
12	91 12 04	0.0292	0.0219	0.0576	0.2215	2.20
18	"	<0.0005	<0.0005	0.0009	<0.001	<0.10
21	"	<0.0005	<0.0005	<0.0005	<0.001	<0.10
22	"	<0.0005	<0.0005	<0.0005	<0.001	<0.10
23	"	0.0005	<0.0005	<0.0014	0.0081	0.10
BC Criteria - Surface and Ground Water						
A		0.0005	0.0005	0.0005	0.0005	10 ⁶
B _{DS} ¹		0.5	-	-	-	-
Freshwater Aquatic Life Guideline						
	s ²	0.3	0.7	0.3	-	-

All results expressed in mg/L.

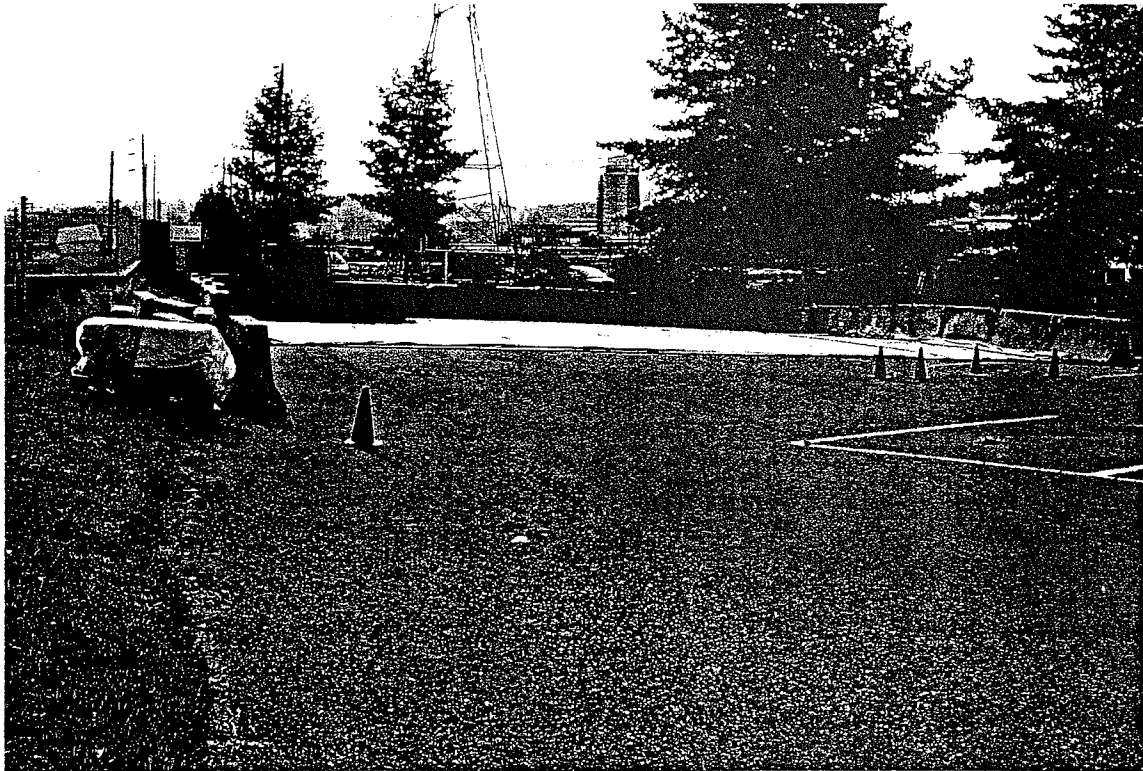
¹ Criteria for Managing Contaminated Sites in BC, 1989 11 21.

² Freshwater Aquatic Life Guidelines from Canadian Water Quality Guidelines (ammended to April 1992).

B^{DS} De minimus criterion to protect aquatic life.

APPENDIX I

Photographs



Photos 1 & 2: Construction and loading of remediation basin.

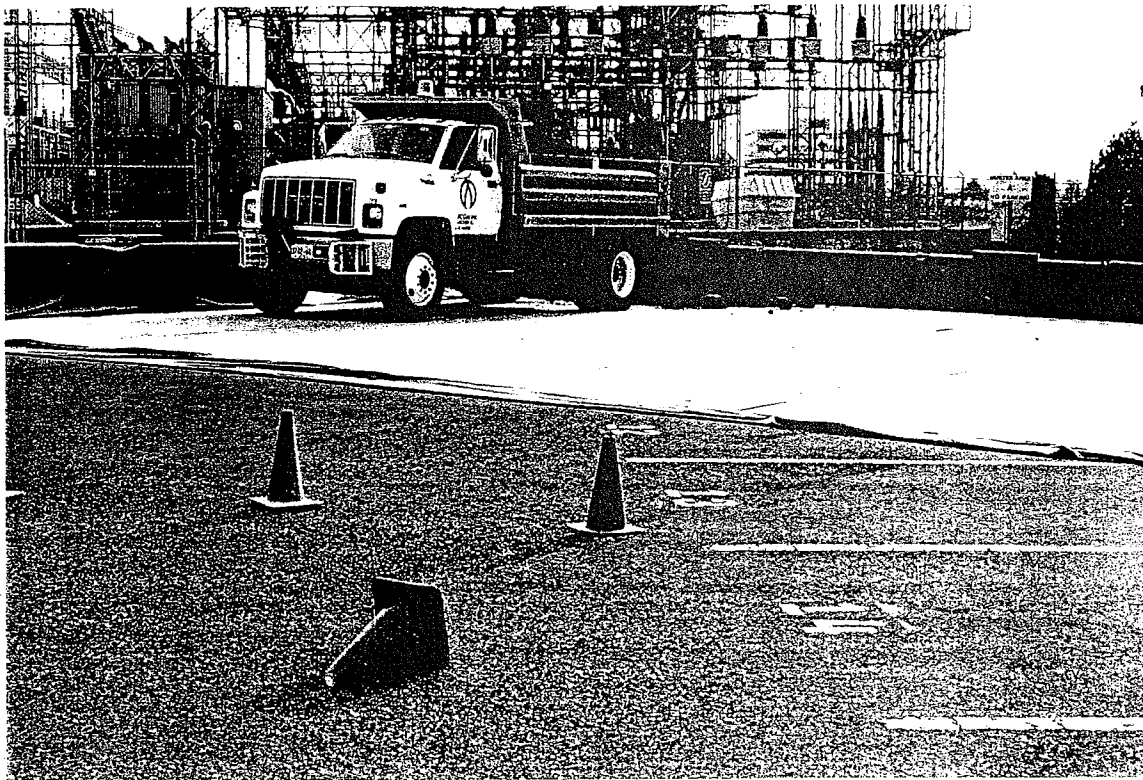




Photo 3: Remediation basin with cover.



Photo 4: Removal of cover material above peat seam.



Photo 5: Typical stratigraphy at foundation piling under former fuelling facility building.



Photo 6: Grey silt confining layer at bottom of peat seam.



Photo 7: Peat seam pinches out at east side of excavation.



Photo 8: Excavated area following backfilling to grade.

APPENDIX II
Analytical Reports



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MORROW ENVIRONMENTAL
CONSULTANTS INC.

CHEMICAL ANALYSIS REPORT

Date: November 2, 1992

ASL File No. 6855C

Report On: Soil Analysis (R9-190)

Report To: **Morrow Environmental Consultants**
8658 Commerce Court
Burnaby, BC
V5A 4N6

Attention: **Mr. John Elliot**

Received: October 28, 1992

ASL ANALYTICAL SERVICE LABORATORIES LTD.
per:

Joanne Patrick
Joanne Patrick, B.Sc.
Project Chemist

Scott Hannam
Scott Hannam
Supervisor, Trace Organics Lab



REMARKS

File No. 6855C

The Total Extractable Hydrocarbon (TEH) results for samples S25 and S26 can be attributed to the presence of naturally occurring organic material. The hydrocarbon distribution reports are characteristic of samples which have a high peat content such as samples S25 and S26.



RESULTS OF ANALYSIS

File No. 6855C

	S-25	S-26	S-27	S-28	S-29
	92 10 27	92 10 27	92 10 27	92 10 27 ₊	92 10 28
<hr/>					
<u>Physical Tests</u>					
Moisture %	72.5	73.2	76.8	29.7	31.7
<u>Non-halogenated Volatiles</u>					
Benzene	-	-	4.14	<0.050	<0.070
Ethylbenzene	-	-	1.23	<0.050	<0.050
Toluene	-	-	0.283	<0.050	<0.050
meta- & para-Xylene	-	-	5.56	<0.050	<0.050
ortho-Xylene	-	-	2.30	<0.050	<0.050
Light Hydrocarbons	-	-	37.4	5.21	<0.10
<u>Extractables</u>					
Total Extractable Hydrocarbons	1590	1210	-	-	-

Remarks regarding the analyses appear at the beginning of this report.
< = Less than the detection limit indicated.
Results are expressed as milligrams per dry kilogram except where noted.



METHODOLOGY

File No. 6855C

Samples were analyzed by methods acceptable to the appropriate regulatory agency. Outlines of the methodologies utilized are as follows:

Moisture

This analysis is carried out gravimetrically by drying the sample to constant weight at 103 C.

Non-halogenated Volatiles in Sediment/Soil - Headspace Method

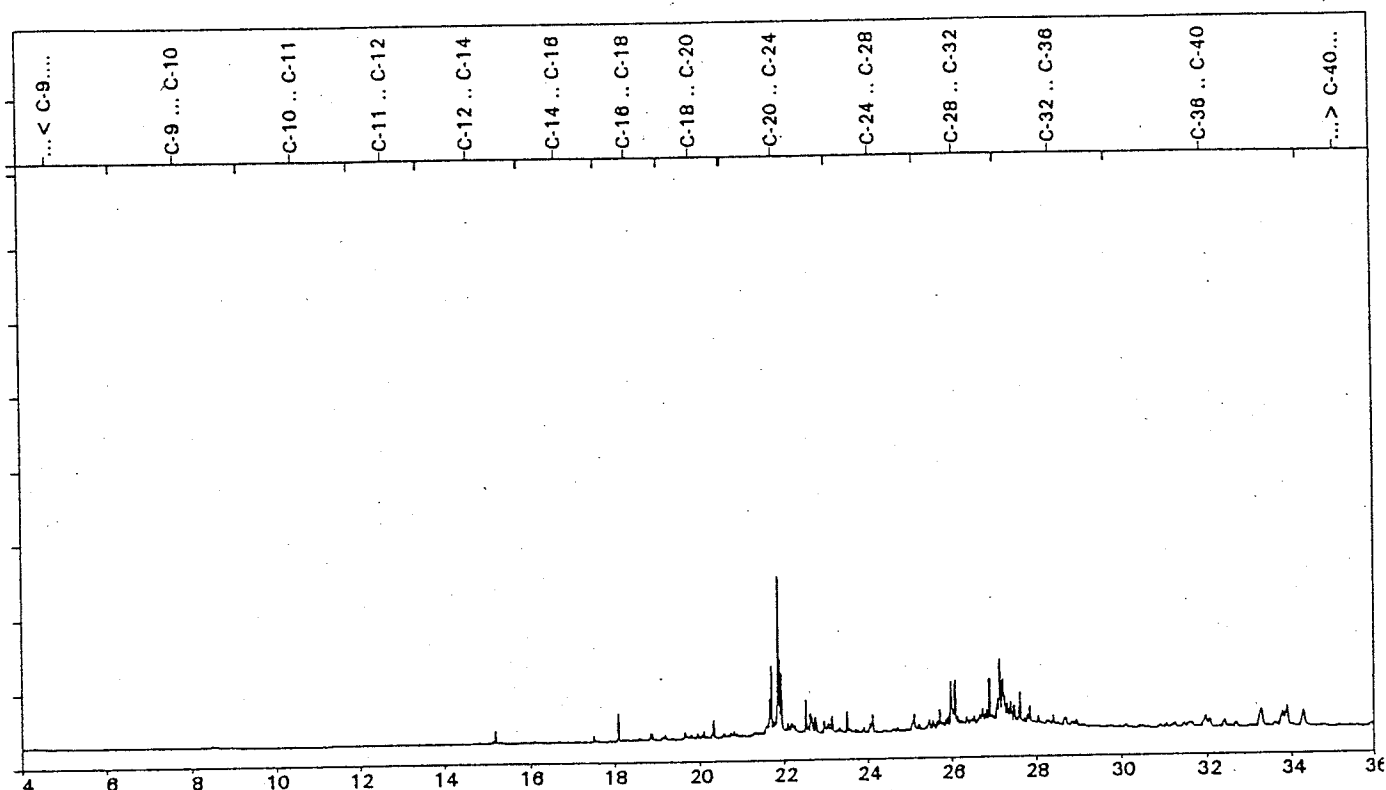
This analysis is carried out in accordance with U.S. EPA Methods 3810/8020 and 3810/8015 (Publ. # SW-846, 3rd ed., Washington, DC 20460). The procedure involves weighing a quantity of the sample into a vial and adding sufficient water to fill the vial to a constant volume. The vial is then sealed and heated, causing the volatile compounds to partition into the gaseous headspace above the sample. A portion of this headspace is then analysed by capillary column gas chromatography with photo-ionization detection in conjunction with flame ionization detection. Sample matrices with a high affinity for organic compounds, and samples that contain elevated levels of volatile compounds, are extracted with methanol. An aliquot of this methanol extract is then analysed using the method described above.

Total Extractable Hydrocarbons in Sediment/Soil

This analysis is carried out in accordance with U.S. EPA Method 3500/8015. This procedure involves hexane extraction followed by analysis of the extract by capillary column gas chromatography with flame ionization detection.

End of Report

File=C:\CHROM\DATA\TEHOCT29.35R Sample name=6855-1 Date printed= 10-29-1992 Time= 08:31:48
 4.00 to 36.00 min. Low Y = -1.00000 mv High Y = 50.00000 mv Span = 51.00000 mv



HYDROCARBON DISTRIBUTION REPORT

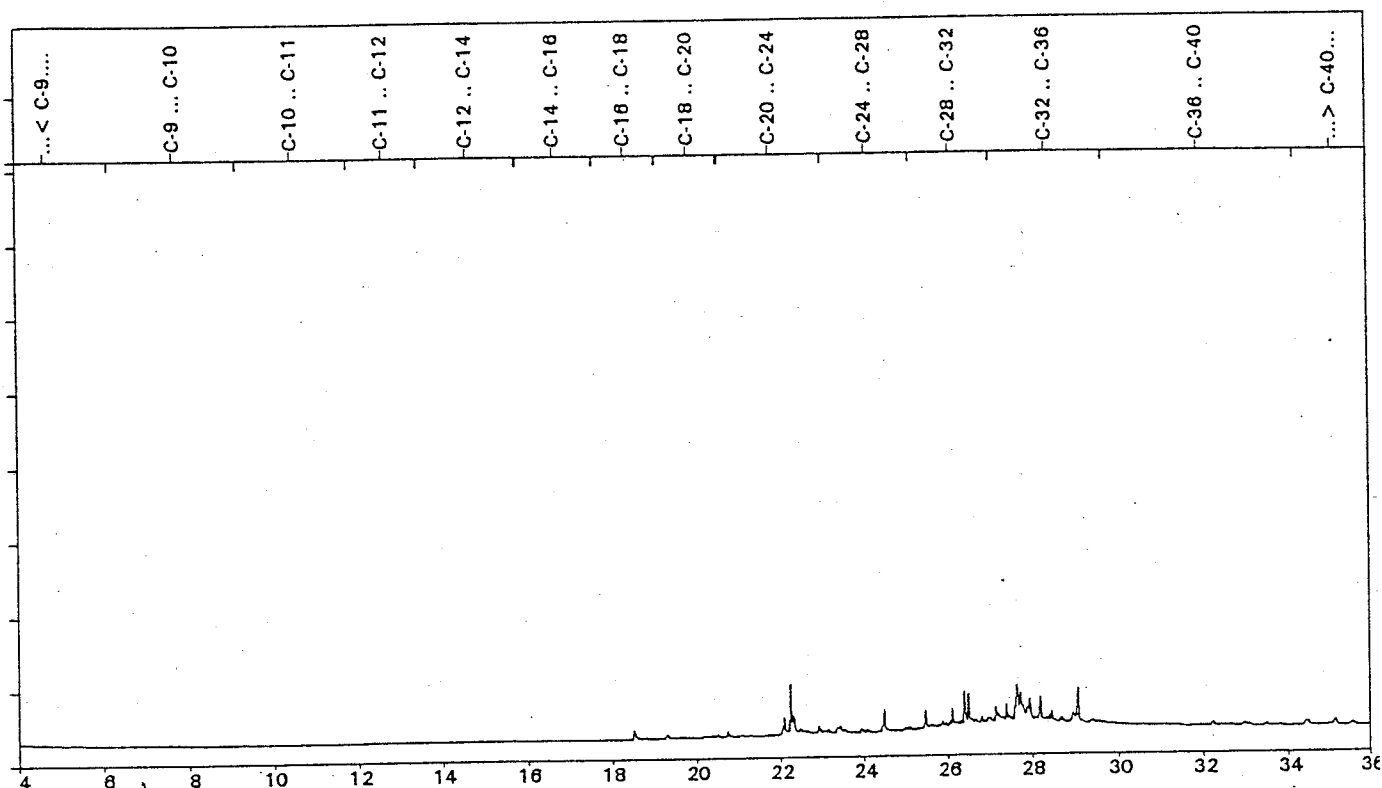
SAMPLE: 6855-1 (S-25)

Petroleum Constituents Table

Name	Carbon Number
Gasolines	C-5 to C-14
Aviation Fuels	C-6 to C-18
Diesel Fuels	C-8 to C-20
Kerosenes	C-9 to C-18
Bunker Oil	C-9 and higher
Lubricating Oils	C-17 and higher
Waxes	C-20 and higher

The above table can be used to obtain a qualitative determination of the type of petroleum product present in any given sample. However the use of carbon number ranges is limited since many of the products listed in the table have overlapping carbon number ranges. A secondary confirmation of the type of material present in the sample can be obtained from comparison of the sample chromatogram to those obtained from pure commercial petroleum formulations.

File=C:\CHROM\DATA\TEHOCT29.36R Sample name=6855-2 Date printed= 10-29-1992 Time= 08:41:44
 4.00 to 36.00 min. Low Y = -1.00000 mv High Y = 50.00000 mv Span = 51.00000 mv



HYDROCARBON DISTRIBUTION REPORT

SAMPLE: 6855-2 (S-26)

Petroleum Constituents Table

Name	Carbon Number
Gasolines	C-5 to C-14
Aviation Fuels	C-6 to C-18
Diesel Fuels	C-8 to C-20
Kerosenes	C-9 to C-18
Bunker Oil	C-9 and higher
Lubricating Oils	C-17 and higher
Waxes	C-20 and higher

The above table can be used to obtain a qualitative determination of the type of petroleum product present in any given sample. However the use of carbon number ranges is limited since many of the products listed in the table have overlapping carbon number ranges. A secondary confirmation of the type of material present in the sample can be obtained from comparison of the sample chromatogram to those obtained from pure commercial petroleum formulations.

PROJECT NO: Q-9490 LOCATION: BC GAS - LOONBURN LAB: _____

CLIENT: BC GAS LOC. CODE: _____

SAMPLING DATE: 9/10/27 & 28 SUBMISSION DATE: 9/21/28 RESULTS TO MECI BY: FAX - Oct 29/30

SAMPLES TAKEN BY: J. ELLIOTT SUBMITTED BY: J. ELLIOTT

PROJECT MANAGER: L. HANSON / J. ELLIOTT NO. OF SAMPLE SETS: _____

6855

	Sample Identification	Sample Type	Preservation	Container	Analysis Required							
					TEH	O/G	BETX/PAH	PHEN	LAH	MIN	O/G	PAH
1	S-25	Sediment	Cool	JAR	X							
2	S-26	"	"	"	X							
3	S-27	"	"	"			X					
4	S-28	"	"	"			X					
5	S-29	"	"	"			X					
6	S-30	"	"	"					X			

COMMENTS: _____

Relinquished By (Signature)	Affiliation	Date	Time	Received By* (Signature)	Affiliation	Date	Time
<u>J. Elliott</u>	<u>MECI</u>	<u>9/14/28</u>	<u>1015</u>	<u>J. P.</u>		<u>Same</u>	<u>Same</u>

* If any samples are not intact at time of transfer, please describe on back of this form.

KEY: BETX: Benzene, Ethylbenzene, Toluene, Xylenes; LAH: Light Aliphatic Hydrocarbons; Metals: CMCS Level B Metals; Min O/G: Mineral Oil and Grease; O/G: Total Oil and Grease; PAH: Polycyclic Aromatic Hydrocarbons; Phenols: Total Phenols; TEH: Total Extractable Hydrocarbons.

COPIES: white - to follow results; yellow - lab copy; pink - submitter's copy.

RECEIVED
NOV 19 1992

Powertech Labs Inc.

8-88th Avenue
Surrey, British Columbia
Canada V3W 7R7

Tel: (604) 590-7500
Fax: (604) 590-5347

MORROW ENVIRONMENTAL
CONSULTANTS INC.
16 October, 1992

Project : 2221-44
File No : E140-276
PO # : R9-190
Ref Nos. : 92278, 92286

POWERTECH



Morrow Environmental Consultants
8658 Commerce Court.
Burnaby, B.C.
V5A 1N6

Attn: John Elliott

Recd	To	Act	Note	Date/Date
PK	JME			
File				R9-190

Re: Analysis of Soil Samples for BETX, Light Hydrocarbons, and Total Extractable Hydrocarbons - R9-190

Soil Samples were recieved by Powertech Labs on October 9th & 13th, 1992 for BETX/Light Hydrocarbons and Total Extractable Hydrocarbons (TEH) analysis.

Samples were analyzed on a rush basis.

Results of analyses and chromatograms are attached.

Prepared by: Joanne Starchuk

Approved by:

N. Dominelli
Sr. Research Chemist
Applied Chemistry Div.

Results - Morrow Environmental Project R9-190

Page 2 of 2

BETX/Light Hydrocarbons in Soil - Samples were analyzed by solvent extraction/Capillary Gas Chromatography. Light Hydrocarbons includes organic compounds within the boiling range of 69 °C (C6 hydrocarbon) to 253 °C (C14 hydrocarbon).

Results are reported in ppm on a dry weight basis.

ID	Date Received	% Dry Weight	Benzene	Toluene	Ethyl Benzene	Xylene	Light Hydrocarbons
S14/ S15	92/10/09	70.8	1.1	<2	<4	<4	<50
S17	92/10/09	60.1	1.2	<2	<4	17.6	58
S18	92/10/09	44.0	6.0	<2	13.1	69.1	530
S19	92/10/13	31.5	9.6	<2	<4	18.4	213
S20	92/10/13	88.4	<0.5	<2	<4	14.4	488
S21	92/10/13	80.2	<0.5	<2	<4	9.1	161
S22	92/10/13	53.7	<0.5	<2	4.7	23.1	234
S23	92/10/13	63.1	0.52	3.6	7.1	33.5	505

% Dry Weight = % weight remaining after extraction and drying at 115 °C.

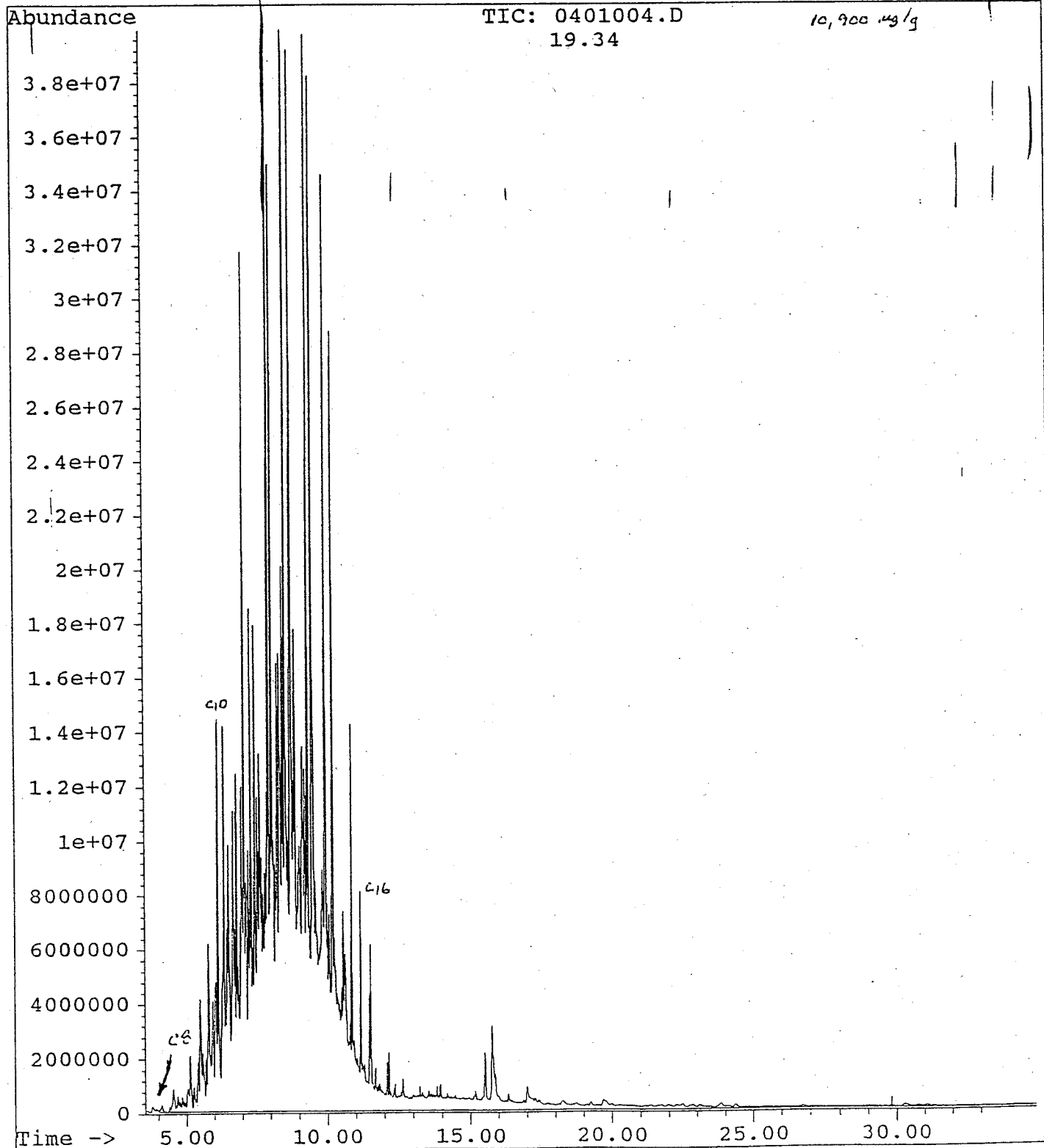
Total Extractable Hydrocarbons in Soil - Samples were analyzed by solvent extraction/Capillary Gas Chromatography

Sample ID	Date Received	TEH ppm dry wt.	Hydrocarbon Range	Description
S18	92/10/09	497	C8-C32	Gasoline & Oil
S24	92/10/13	10,900	C10-C16	Kerosine

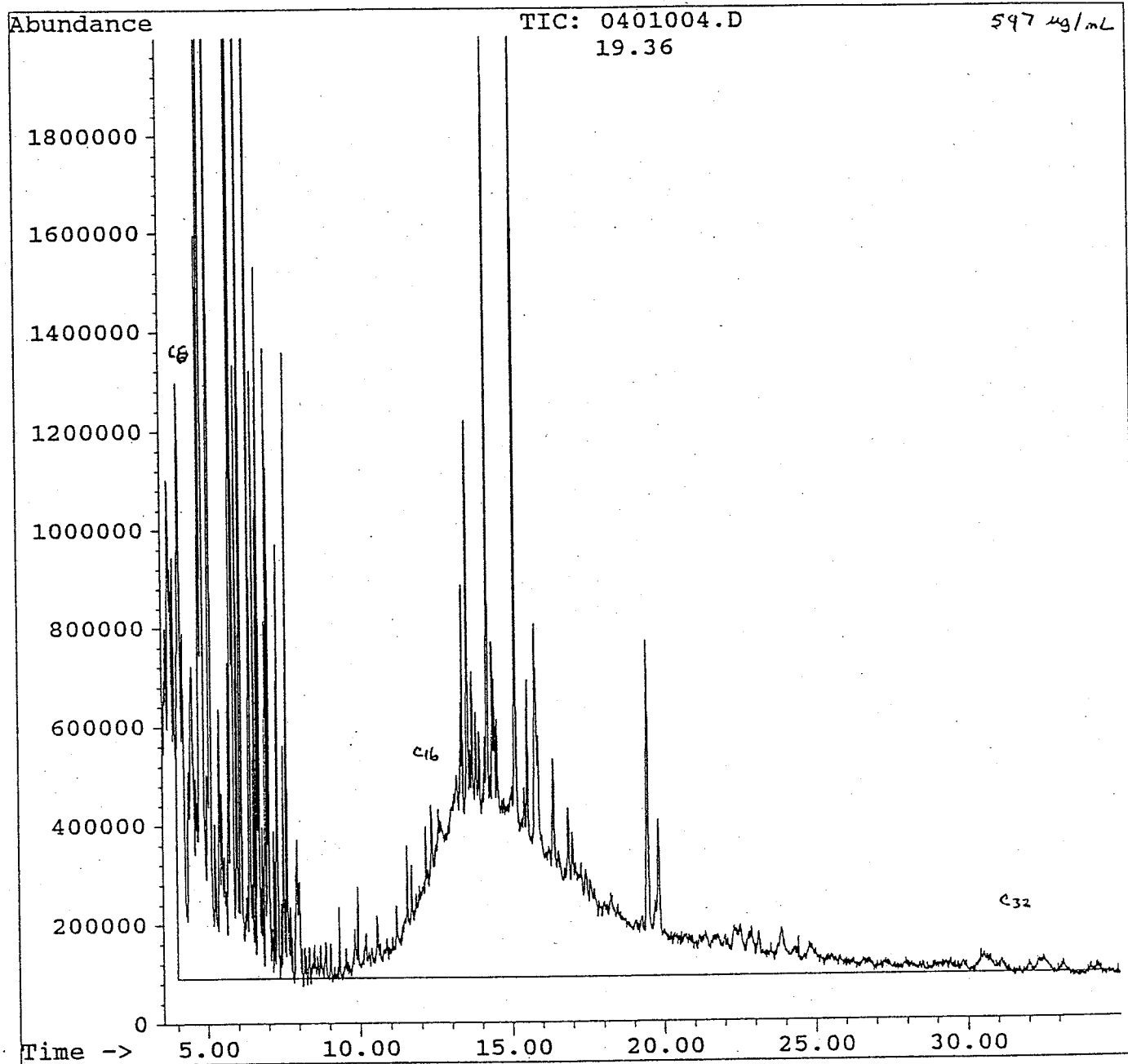
Note - repeat analysis of S24 for TEH gave a result of 10,300 mg/kg.

File: C:\CHEMPC\DATA\0401004.D
Operator:
Date Acquired: 14 Oct 92 2:24 pm
Method File: TEHSTD.M
Sample Name: R9-190-S24
Misc Info:
ALS vial: 4

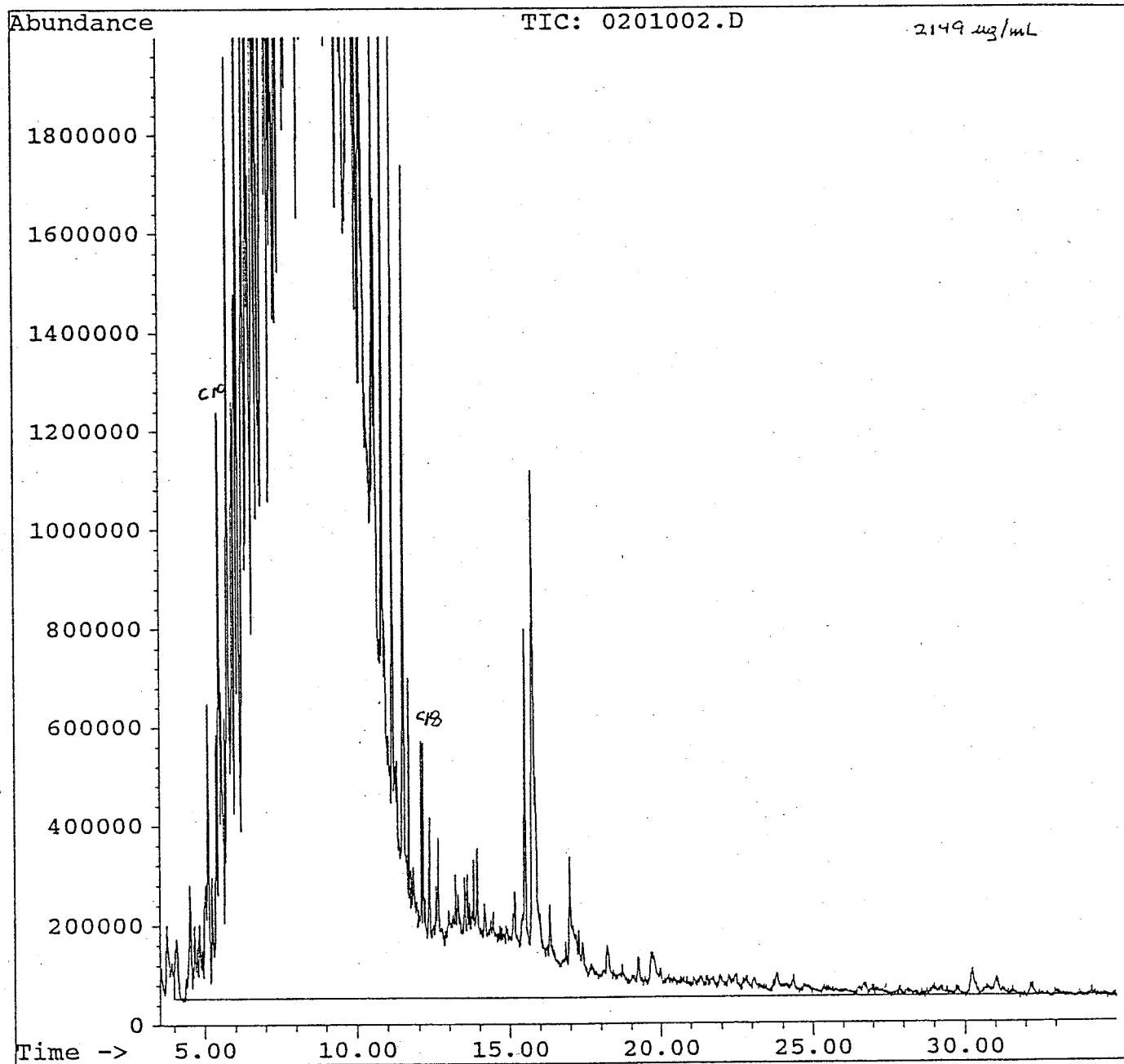
7540 µg/mL



R9-190-S18



R9-190-S24



PROJECT NO: R-9-190 LOCATION: BCGAS LOXBURN LAB: POWERTECH
 CLIENT: BCGAS LOC. CODE: _____
 SAMPLING DATE: 92/10/09 SUBMISSION DATE: 92/10/13 RESULTS TO MECI BY: FAK RUSH
 SAMPLES TAKEN BY: _____ SUBMITTED BY: _____
 PROJECT MANAGER: L. HANSON / J. ELLIOTT NO. OF SAMPLE SETS: _____

Sample Identification	Sample Type	Preservation	Container	Analysis Required						
				BETX/ LAH	TEH	MINERAL OIL & GREASE	HOLD.			
S-19 92/10/09	SEDIMENT	CHILL	JMR	X						
S-20 "	"	"	"	X						
S-21 "	"	"	"	X						
S-22 "	"	"	"	X						
S-23 "	"	"	"	X						
S-24 "	"	"	"		X					

COMMENTS: ANALYSIS REQUEST BY FAX TO FOLLOW.

Relinquished By (Signature)	Affiliation	Date	Time	Received By* (Signature)	Affiliation	Date	Time
J. ELLIOTT	MECI	92/10/13	09:30	J. Stachul	PowerTech	04/13/92	11:15

* If any samples are not intact at time of transfer, please describe on back of this form.

KEY: BETX: Benzene, Ethylbenzene, Toluene, Xylenes; LAH: Light Aliphatic Hydrocarbons; Metals: CMCS Level B Metals; Min O/G: Mineral Oil and Grease; O/G: Total Oil and Grease; PAH: Polycyclic Aromatic Hydrocarbons; Phenols: Total Phenols; TEH: Total Extractable Hydrocarbons.

COPIES: white - to follow results; yellow - lab copy; pink - submitter's copy.



SAMPLE SUBMISSION FORM & CHAIN OF CUSTODY

Page 1 of 1

PROJECT NO: R-9-190 LOCATION: BC GAS LOCKBURN LAB: POWERTECH.

CLIENT: BC GAS LOC. CODE: _____

SAMPLING DATE: 92/10/08 SUBMISSION DATE: 92/10/09 RESULTS TO MECI BY: FAX RUSH.

SAMPLES TAKEN BY: J. ELLIOTT SUBMITTED BY: J. ELLIOTT

PROJECT MANAGER: L. HANSON / J. ELLIOTT NO. OF SAMPLE SETS: _____

Sample Identification	Sample Type	Preservation	Container	Analysis Required						
				BETX / LAH	TEH	MINERAL OIL & GREASE	PAH			
S-14	SEDIMENT	CHILL	JAR	<input checked="" type="checkbox"/>						
S-15	"	"	"	<input checked="" type="checkbox"/>						
S-16	"	"	"				X			
S-17	"	"	"	X	X					
S-18	"	"	"	X	X					

COMMENTS: COMPOSITE S-14 & S-15 PRIOR TO ANALYSIS

Relinquished By (Signature)	Affiliation	Date	Time	Received By* (Signature)	Affiliation	Date	Time
<u>John Elliott</u>	<u>MECI</u>	<u>92/10/8</u>	<u>18:00</u>	<u>Ed Hall</u>	<u>PowerTech</u>	<u>92/10/9</u>	<u>11:30</u>

* If any samples are not intact at time of transfer, please describe on back of this form.

KEY: BETX: Benzene, Ethylbenzene, Toluene, Xylenes; LAH: Light Aliphatic Hydrocarbons; Metals: CMCS Level B Metals; Min O/G: Mineral Oil and Grease; O/G: Total Oil and Grease; PAH: Polycyclic Aromatic Hydrocarbons; Phenols: Total Phenols; TEH: Total Extractable Hydrocarbons.

COPIES: white - to follow results; yellow - lab copy; pink - submitter's copy.

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OCT 22 1992

Powertech Labs Inc.

12388-88th Avenue
Surrey, British Columbia
Canada V3W 7R7

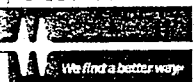
Tel: (604) 590-7500
Fax: (604) 590-5347

MORROW ENVIRONMENTAL
CONSULTANTS INC.

8 October, 1992

Project : 4677-44
File No : E140-276
Client Ref No: R9-190
Ref Nos. : 92257,92264,92265

POWERTECH



Morrow Environmental Consultants
8658 Commerce Court.
Burnaby, B.C.
V5A 1N6

Attn: John Elliott

Dear John,

Re: Analysis of Soil Samples - R9-190

Soil samples S1 to S8 were received on September 28, 1992.
Soil samples C1 to C4 were received on September 30, 1992.
Soil samples S9 to S13 and C5 to C6 were received on October 1, 1992.
BETX/LH analyses for samples S1 to S13 were analyzed on a rush basis.

Results attached.
TEH Chromatograms attached.

Prepared by: Ed Hall

Approved by:

N. Dominelli
Sr. Research Chemist
Applied Chemistry Div.

cc Dave Record
B.C. Gas

Recd	To	Act	Note	Done/Date
PK	JHE			
File				R9-190

Results - Morrow Environmental Project R9-190

Page 2 of 4

BETX/Light Hydrocarbons in Soil:

Samples were analyzed by solvent extraction/Capillary Gas Chromatography. Light Hydrocarbons includes organic compounds within the boiling range of 69 °C (C6 hydrocarbon) to 253 °C (C14 hydrocarbon).

BTEX/Light Hydrocarbons Results (ppm dry weight basis)

Client ID	Date Received	Dry Weight (%)	Benzene	Toluene	Ethyl Benzene	Xylene	Light Hydrocarbons
S1	92/09/28	78.3	2.6	<2	<4	<4	<50
S2	92/09/28	18.2	3.7	<2	<4	<4	<50
S3	92/09/28	20.1	<0.5	<2	<4	<4	<50
S4	92/09/28	20.5	<0.5	<2	<4	<4	<50
S5	92/09/28	40.2	2.2	6.1	10.1	57.2	220
S6	92/09/28	26.1	49.5	<2	29.6	149	570
S7	92/09/28	26.5	48.9	<2	<4	<4	67
S8	92/09/28	70.1	2.0	<2	<4	<4	<50
S9	92/10/01	26.6	<0.5	<2	<4	<4	<50
S10	92/10/01	67.5	1.9	<2	<4	<4	<50
S11	92/10/01	25.5	2.4	<2	<4	15.9	141
S12	92/10/01	39.1	<0.5	<2	<4	<4	<50
S13	92/10/01	29.9	9.8	24.3	27.1	139	1290
C1	92/09/30	58.4	4.0	53.4	23.3	165	880
C2	92/09/30	56.4	2.5	20.1	36.2	143	680
C3	92/09/30	44.8	7.4	67.8	27.8	182	850
C6	92/10/01	39.6	4.2	13.8	17.9	118	500

Note - The presence of benzene in sample S7 has been confirmed by reanalysis of the sample using a GC column of different polarity. Previous samples taken from this location on Dec. 7, 90 (and reported to Morrow) also had high levels of benzene which was confirmed at that time with GC/MS analysis.

Dry Weight = weight remaining after solvent extraction and drying at 115 °C for

Results - Morrow Project R9-190

Page 3 of 4

Total Extractable Hydrocarbons (TEH) in Soil:

- Samples were analyzed by solvent extraction/Capillary Gas Chromatography.

Client ID	Date Received	TEH ppm dry wt.	Corresponding Hydrocarbon Range	Hydrocarbon Type
S1	92/09/28	162	C16-C32	Oil
S2	92/09/28	2330	C16-C32	Oil
C2	92/09/30	803	C6-C32	Gasoline & Oil
C4	92/09/30	730	C6-C32	Gasoline & Oil

Mineral Oil and Grease:

Freon extractables (gravimetric procedure) in accordance with Standard Methods 5520E,F

Results are reported in ppm on a dry weight basis.

Client Sample ID	Date Received	Mineral Oil & Grease
S5	92/09/28	205
S8	92/09/28	250
C1	92/09/30	220
C2	92/09/30	180
C3	92/09/30	190
C4	92/09/30	250

Acid Extractable Metals:

The samples were air dried and sieved. Subsamples of the <8 mesh fractions were digested with nitric and hydrochloric acids then bulked to volume with distilled deionized water prior to analysis by Inductively Coupled Plasma Emission Spectrometry (ICPES). Results are expressed in milligrams per kilogram.

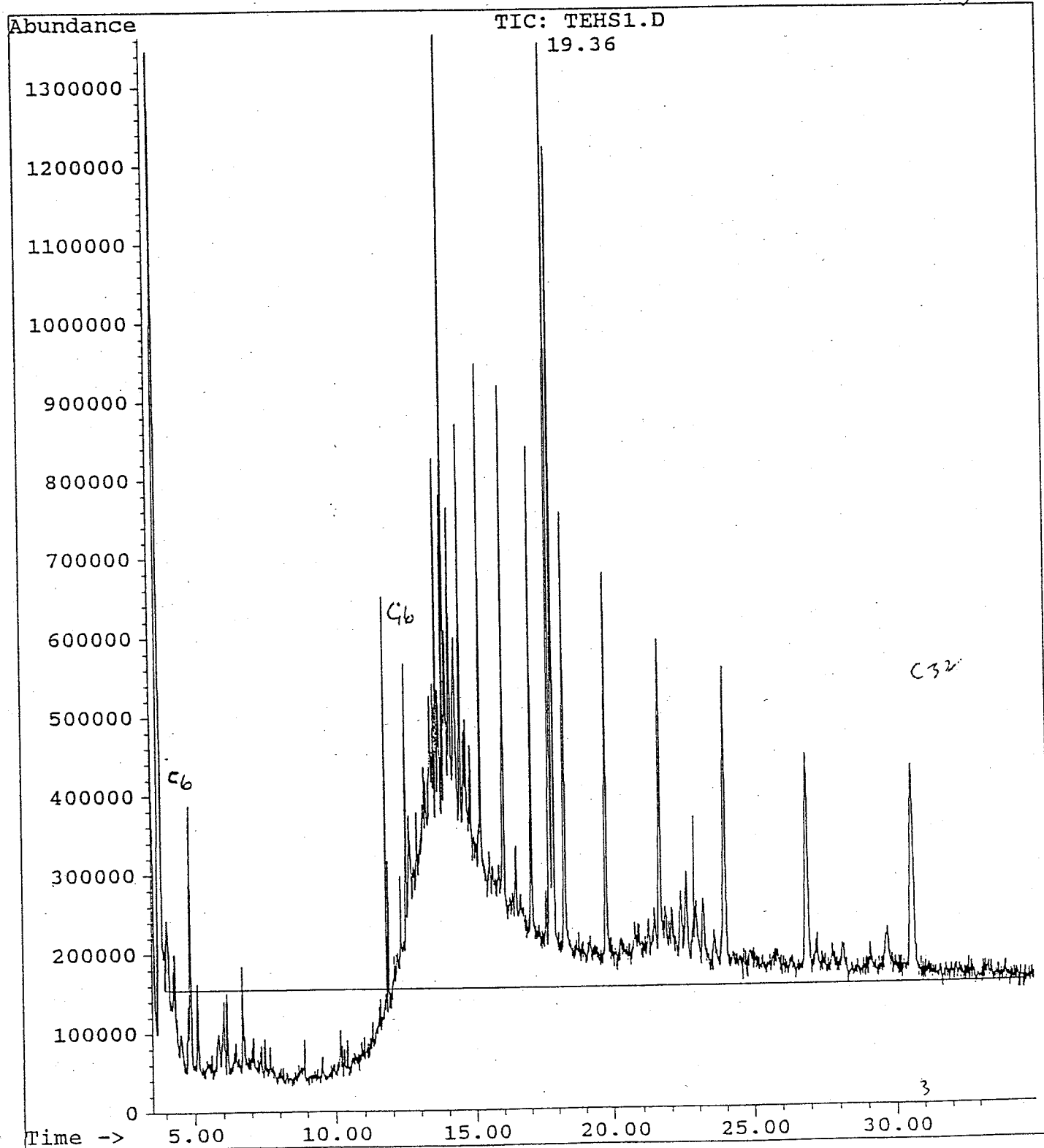
TABLE OF RESULTS:

Elements, mg/kg	Pacific Place Level B(max)	S-8	C-2	C-4
Arsenic	30	<20	<20	<20
Barium	500	<350	<350	<350
Cadmium	5	<3	<3	<3
Chromium	250	<150	<150	<150
Cobalt	50	<40	<40	<40
Copper	100	<80	<80	<80
Lead	500	<300	<300	<300
Mercury	2	<2	<2	<2
Molybdenum	10	<8	<8	<8
Nickel	100	<80	<80	<80
Selenium	3	<3	<3	<3
Silver	20	<10	<10	<10
Tin	50	<40	<40	<40
Zinc	500	<350	<350	<350

Note: The analysis were performed on the <8 mesh fractions, however the results are reported per kg total sample on a dry weight basis.

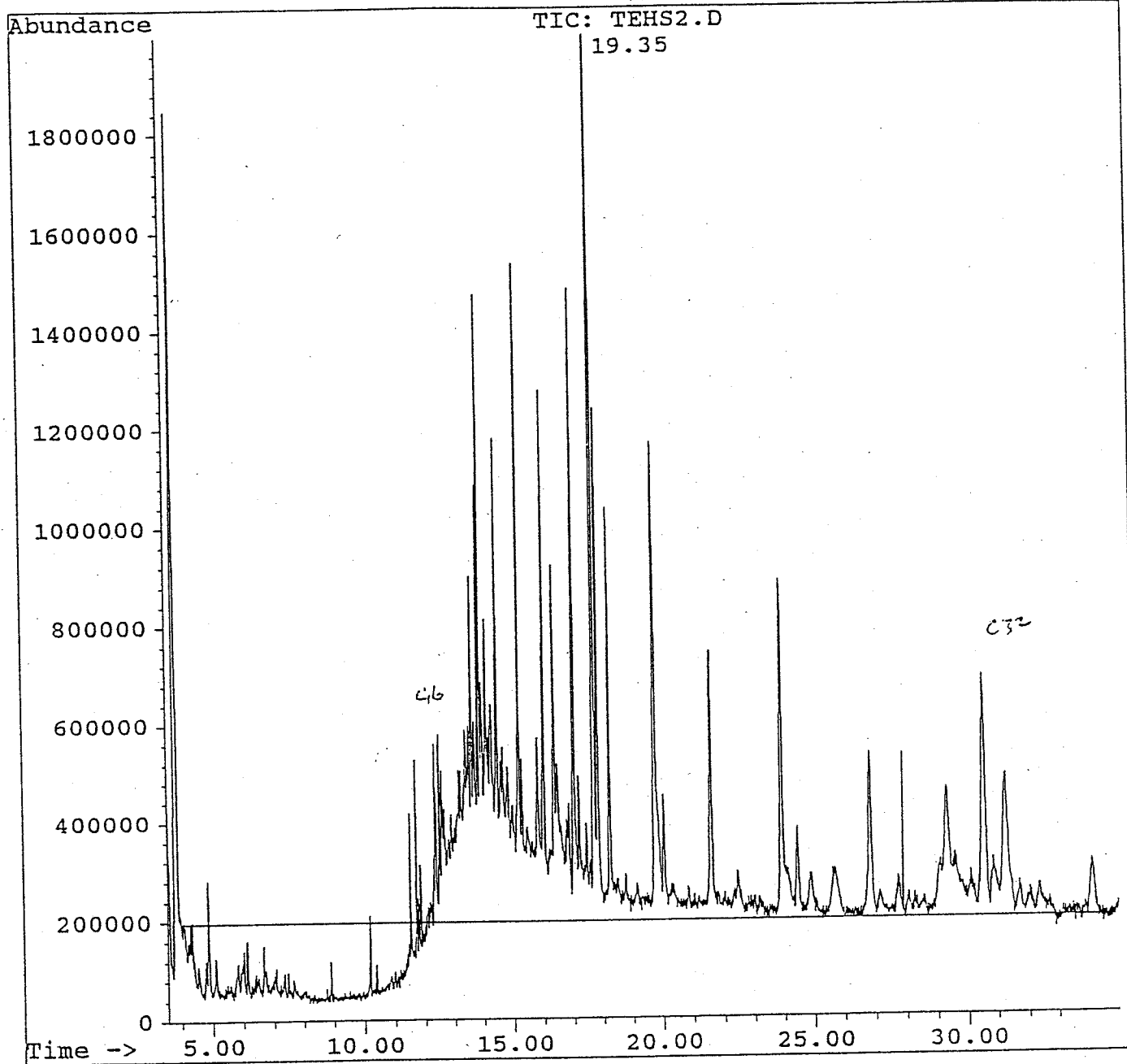
File: C:\CHEMPC\DATA\TEHS1.D
Operator:
Date Acquired: 1 Oct 92 12:02 pm
Method File: TEH.M
Sample Name: SAMPLE R9-190-S1
Misc Info:
ALS vial: 1

183.ug/mL.



R4-190-92

219 µg/mL



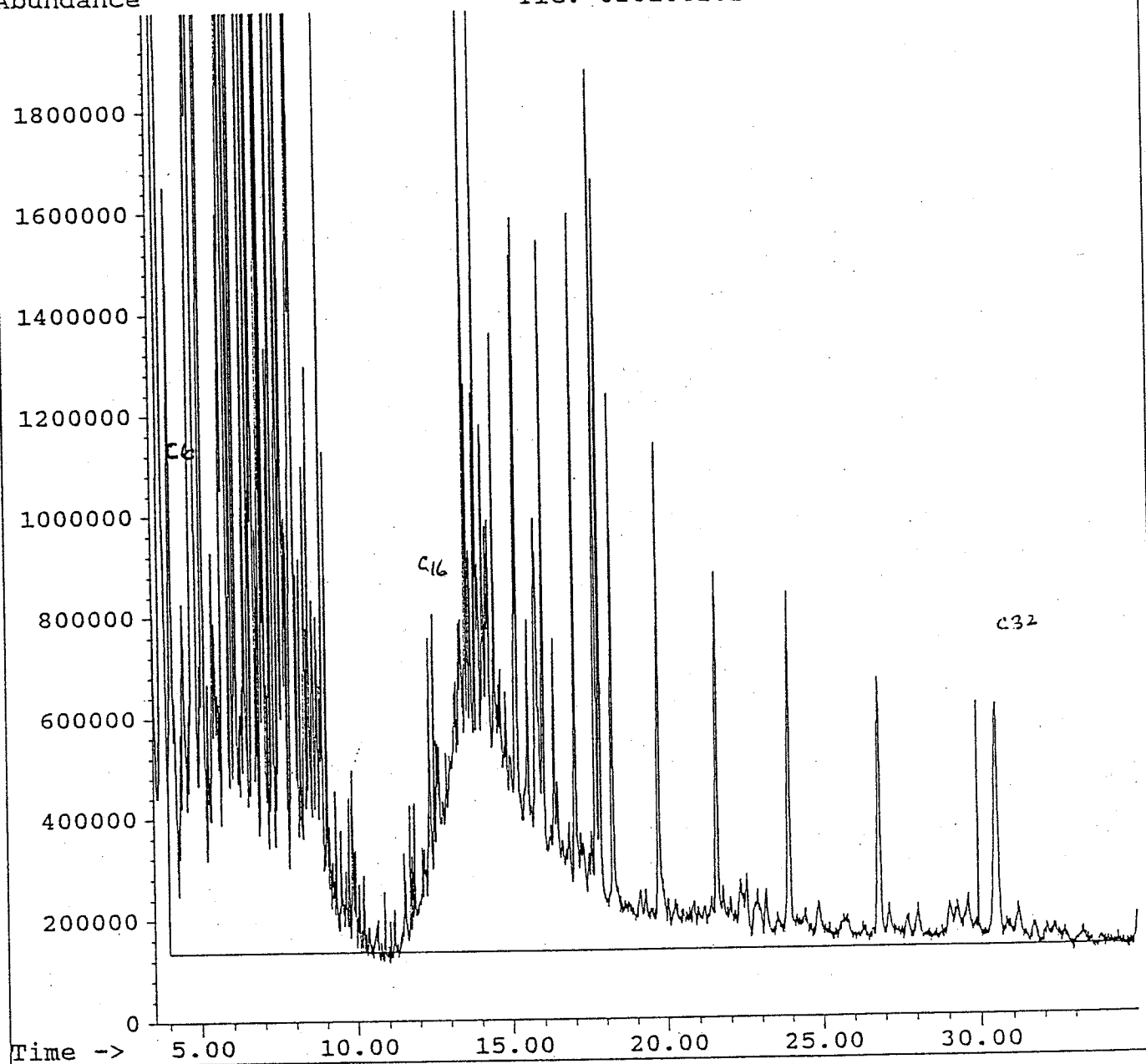
T_{SH}

R190 - C2

1140 µg/mL

Abundance

TIC: 0201002.D



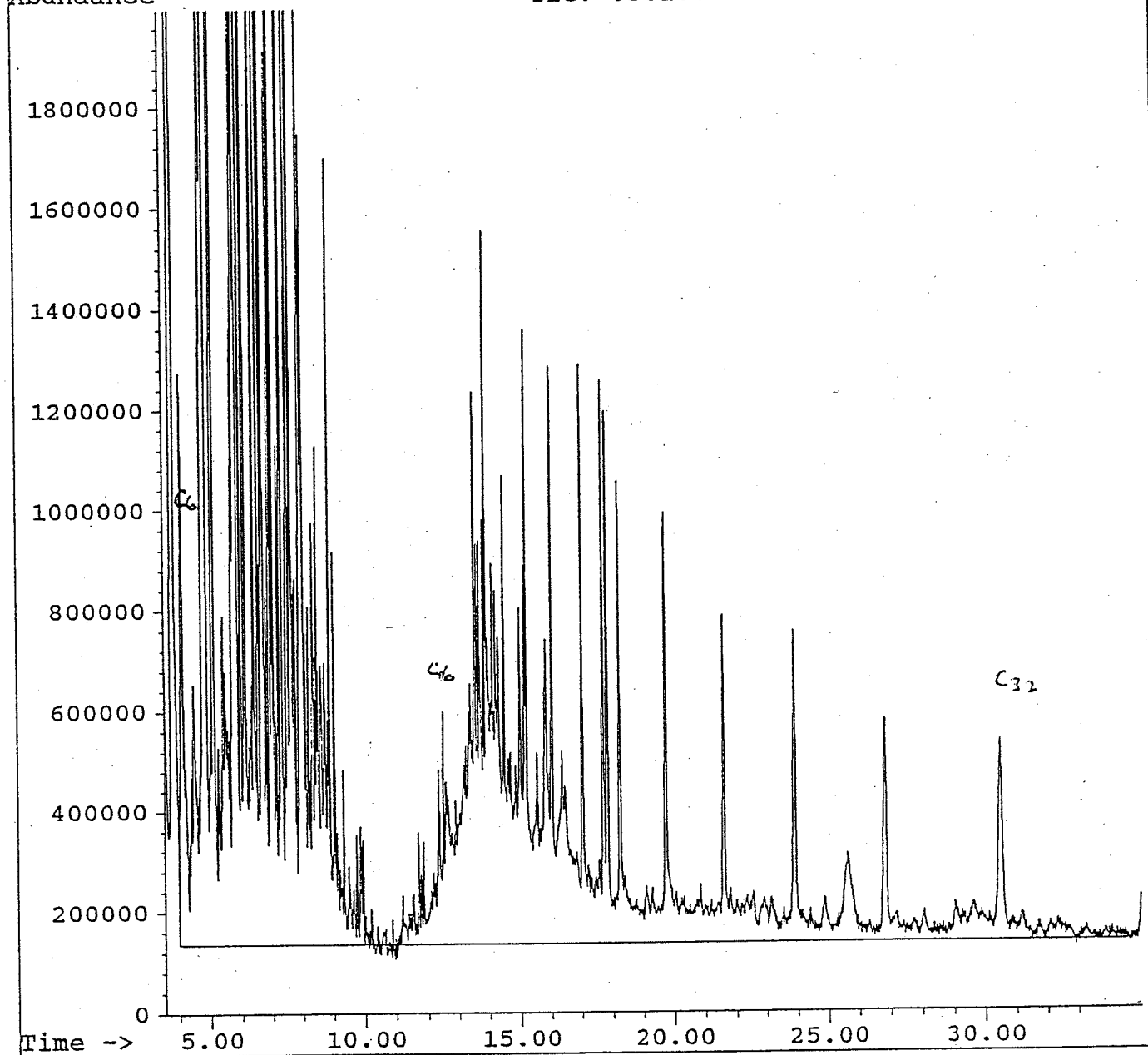
TEH

R-190-C4

944 $\mu\text{g/mL}$

Abundance

TIC: 0301003.D





H I N E D H U I I

92264

SAMPLE SUBMISSION FORM & CHAIN OF CUSTODY

Page ____ of ____

PROJECT NO: Q-9-190 LOCATION: BC GAS LOCUBURN LAB: Power tech.
CLIENT: BC GAS LOC. CODE: _____
SAMPLING DATE: 92/9/29 SUBMISSION DATE: 92/09/30 RESULTS TO MECI BY: FAX REGULAR TURNAROUND
SAMPLES TAKEN BY: J. ELLIOTT SUBMITTED BY: J. ELLIOTT
PROJECT MANAGER: L. HANSON/J. ELLIOTT NO. OF SAMPLE SETS: _____

Sample Identification	Sample Type	Preservation	Container	Analysis Required						
				BETX/ LAH	PAH	TEH	MINERAL OIL & GREASE	METALS	HOLD	
C-1 92/9/29	SEDIMENT	CHILL	JAR	X	X	X				
C-1 92/9/29	"	"	"				X			
C-2 92/9/29	"	"	"	X	X	X	X			
C-2 92/9/29	"	"	"				X	X		
C-3 92/9/29	"	"	"	X	X	X	X			
C-3 92/9/29	"	"	"				X			
C-4 92/9/29	"	"	"			X	X			
C-4	"	"	"					X		
C-5 (92/10/1)	"	"	"						X	
C-6 (92/10/1)	"	"	"	X						

COMMENTS: HOLD ALL ANALYSES PENDING CONFIRMATION WITH JORD ELLIOTT
DO - DO 92/10/1

Relinquished By (Signature)	Affiliation	Date	Time	Received By* (Signature)	Affiliation	Date	Time
<u>Sol C. Hall</u>	<u>MECI</u>	<u>92/9/30</u>	<u>09:30</u>	<u>Ed Hall</u>	<u>PowerTech</u>	<u>Sept 30, 92</u>	<u>1:00</u>

* If any samples are not intact at time of transfer, please describe on back of this form.

KEY: BETX: Benzene, Ethylbenzene, Toluene, Xylenes; LAH: Light Aliphatic Hydrocarbons; Metals: CMCS Level B Metals; Min O/G: Mineral Oil and Grease; O/G: Total Oil and Grease; PAH: Polycyclic Aromatic Hydrocarbons; Phenols: Total Phenols; TEH: Total Extractable Hydrocarbons.

COPIES: white - to follow results; yellow - lab copy; pink - submitter's copy.



SAMPLE SUBMISSION FORM & CHAIN OF CUSTODY

42264

Page 1 of 1

PROJECT NO: R-9-190 LOCATION: Loch Burn BCG LAB: Power tech.
CLIENT: BC GAS LOC. CODE: _____
SAMPLING DATE: 92/10/1 SUBMISSION DATE: 92/10/1 RESULTS TO MECI BY: PAH Rush
SAMPLES TAKEN BY: ELLIOTT SUBMITTED BY: _____
PROJECT MANAGER: ELLIOTT/HANSON NO. OF SAMPLE SETS: _____

Sample Identification	Sample Type	Preservation	Container	BETX/ LAH	Analysis Required							
S-9	SEDIMENT	CHILL	JAR	X								
S-10	"	"	"	X								
S-11	"	"	"	X								
S-12	"	"	"	X								
S-13	"	"	"	X								

COMMENTS: _____

Relinquished By (Signature)	Affiliation	Date	Time	Received By* (Signature)	Affiliation	Date	Time
<u>[Signature]</u>	<u>MECI</u>	<u>92/10/1</u>	<u>14:30</u>	<u>[Signature]</u>	<u>Power tech</u>	<u>Dec 1, 92</u>	<u>14:35</u>

* If any samples are not intact at time of transfer, please describe on back of this form.

KEY: BETX: Benzene, Ethylbenzene, Toluene, Xylenes; LAH: Light Aliphatic Hydrocarbons; Metals: CMCS Level B Metals; Min O/G: Mineral Oil and Grease; O/G: Total Oil and Grease; PAH: Polycyclic Aromatic Hydrocarbons; Phenols: Total Phenols; TEH: Total Extractable Hydrocarbons.

COPIES: 1 - follow results; yellow - lab copy; pink - submitter's copy.



SAMPLE SUBMISSION FORM & CHAIN OF CUSTODY

Page ____ of ____

PROJECT NO: R-9-190 LOCATION: LOCHBURN BC GAS LAB: _____
 CLIENT: PPC LOC. CODE: _____
 SAMPLING DATE: 92/09/28 SUBMISSION DATE: 92/09/28 RESULTS TO MECI BY: 'Rush'
 SAMPLES TAKEN BY: J. ELLIOTT SUBMITTED BY: J. ELLIOTT
 PROJECT MANAGER: J. ELLIOTT / L. HANSON NO. OF SAMPLE SETS: _____

Sample Identification	Sample Type	Preservation	Container	Analysis Required							
				BETX	METALS	LAH	TEH	MINERAL OIL & GREASE			
S-1	<u>SEDIMENT</u>	<u>CHILL</u>	<u>JAR</u>	X		X	X				
S-2	<u>"</u>	<u>"</u>		X		X	X				
S-3	<u>"</u>	<u>"</u>		X		X					
S-4	<u>"</u>	<u>"</u>		X		X					
S-5	<u>"</u>	<u>"</u>		X		X		X			
S-6	<u>"</u>	<u>"</u>		X		X					
S-7	<u>"</u>	<u>"</u>		X		X					
S-8	<u>"</u>	<u>"</u>		X		X		X			
S-8A	<u>"</u>	<u>"</u>			X						

COMMENTS: _____

Relinquished By (Signature)	Affiliation	Date	Time	Received By* (Signature)	Affiliation	Date	Time
<u>J. Elliott</u>	<u>MECI</u>	<u>92/09/28</u>	<u>15:30</u>	<u>Ed Hall</u>	<u>PowerTech</u>	<u>Sept 28, 92</u>	<u>15:30</u>

* If any samples are not intact at time of transfer, please describe on back of this form.

KEY: BETX: Benzene, Ethylbenzene, Toluene, Xylenes; LAH: Light Aliphatic Hydrocarbons; Metals: CMCS Level B Metals; Min O/G: Mineral Oil and Grease; O/G: Total Oil and Grease; PAH: Polycyclic Aromatic Hydrocarbons; Phenols: Total Phenols; TEH: Total Extractable Hydrocarbons.

COPIES: white - to follow results; yellow - lab copy; pink - submitter's copy.

ASL

CHEMICAL ANALYSIS REPORT

RECEIVED

Date: Dec. 17, 1991

DEC 23 1991

ASL File No. 9616B

Report On: Water Analysis (R9-190)

THE MORROW GROUP

Report To: Morrow Environmental Consultants
300 - 1217 Lonsdale Avenue
North Vancouver, BC
V7M 2H5

Recd	To	Act	Note	Done/Date
	JME			✓ 9-11-20
File				R-9-190

Attention: Mr. John Elliot

Date Received: Dec. 04, 1991

METHODOLOGY

Non-Halogenated Volatiles

This analysis is carried out in accordance with U.S. EPA Method 5030/8015. (Publ. # SW-846, 3rd ed., Washington, DC 20460). This procedure involves a purge and trap extraction and subsequent analysis by capillary column gas chromatography with flame ionization detection.

ASL ANALYTICAL SERVICE LABORATORIES LTD.

Joanne Patrick
Joanne Patrick B.Sc.
Project Chemist

Scott Hannam
Scott Hannam
Supervisor, Trace Organics Lab

RESULTS OF ANALYSIS - Water

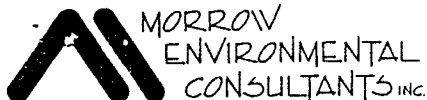
File No. 9616B
Page 2

Parameter	BH 12	BH 18	BH 21	BH 21 Dup.	BH 22
	Dec04/91	Dec04/91	Dec04/91	Dec04/91	Dec04/91
<u>Non-halogenated Volatiles</u>					
Benzene	0.0292	<0.0005	<0.0005	<0.0005	<0.0005
Ethylbenzene	0.0219	<0.0005	<0.0005	<0.0005	<0.0005
Toluene	0.0576	0.0009	<0.0005	<0.0005	<0.0005
meta- & para-Xylene	0.163	<0.0005	<0.0005	<0.0005	<0.0005
ortho-Xylene	0.0585	<0.0005	<0.0005	<0.0005	<0.0005
Light Aliphatic Hydrocarbons	2.20	<0.10	<0.10	<0.10	<0.10

Parameter	BH 23	BH 23 Dup.
	Dec04/91	Dec04/91
<u>Non-halogenated Volatiles (con't)</u>		
Benzene	0.0405	0.0255
Ethylbenzene	<0.0005	<0.0005
Toluene	0.0014	0.0013
meta- & para-Xylene	0.0070	0.0034
ortho-Xylene	0.0011	0.0012
Light Aliphatic Hydrocarbons	0.10	0.10

< = Less than the detection limit indicated.
Results are expressed as milligrams per litre.
Dup. = Duplicate.

End of Report



SAMPLE SUBMISSION FORM & CHAIN OF CUSTODY

DATE OF SAMPLING: R91-12-04 PROJECT NO: R9-190 DATE OF SUBMISSION: R91-12-04
LOCATION: Burnaby SAMPLES TAKEN BY: Nancy H. SUBMITTED BY: Nancy H.
LAB REPORT ATTENTION: John Elliott. RESULTS TO MECI BY: 2wks
NUMBER OF SAMPLES: WATER 10 SEDIMENT _____ OTHER _____ LAB: ASL

ANALYSIS REQUIREMENTS:

PAGE 1 OF 1

9616

Sample Identification	Sample Type	Preservation	Container	Extraction/ Analysis Required
1 { R9-190 BH12	water	chill	P/T	BETX + LAH
✓ BH12 Dup	✓	✓	✓	✓ - Hold
2 { R9-190 BH18	✓	✓	✓	✓ ✓
✓ BH18 Dup	✓	✓	✓	✓ ✓ Hold
3 { R9-190 BH21	✓	✓	✓	✓ ✓
✓ BH21 Dup	✓	✓	✓	✓ ✓ - Hold
4 { R9-190 BH22	✓	✓	✓	✓ ✓
✓ BH22 Dup	✓	✓	✓	✓ ✓ - Hold
5 { R9-190 BH23	✓	✓	✓	✓ ✓
✓ BH23 Dup	✓	✓	✓	✓ ✓ Hold

NOTE: ALL RESULTS TO BE REPORTED ON A "DRY WEIGHT BASIS".

Relinquished By (Signature & Affil.)	Date	Time	Received By* (Signature & Affil.)	Date	Time
Nancy Horie MECI	91.12.04	4:40pm	SANDS	DEC 4	4:40

LOGGED IN AT LAB BY: _____

* If any samples are not intact at time of transfer, please describe on back of this form.

KEY: BETX: Benzene, Ethylbenzene, Toluene, Xylenes; LAH: Light Aliphatic Hydrocarbons; PAH: Polycyclic Aromatic Hydrocarbons; LEAD: Total Lead; O/G: Oil and Grease; Phenols: Total Phenols; TEH: Total Extractable Hydrocarbons; Jar: Glass Jar; P+T: Purge and Trap Vial; 1 LG: 1 Litre Glass Bottle.

COPIES: white - to follow results; yellow - lab copy; pink - submitter's copy.

APPENDIX III

Correspondence with Environment, Lands and Parks



Province of
British Columbia
Ministry of
Environment,
Lands and Parks

BC
Environment
Environmental Protection Division
Industrial Waste and Hazardous
Contaminants Branch

MAILING ADDRESSES:

Contaminated Sites and Toxicology Section
777 Broughton Street
Victoria, B.C. V8V 1X5
Technical Services and Special Wastes Section
1106, 1175 Douglas Street
Victoria, B.C. V8V 1X5

Telephone: (604) 387-9953
Facsimile: (604) 953-3856

RECEIVED

OCT 13 1993

MORROW ENVIRONMENTAL
CONSULTANTS INC.

File: 76765-40/BC GAS
26250-20

OCT 08 1993

D. Record
BC Gas Inc.
Box 12503
1066 West Hastings Street
Vancouver, BC V6E 3G3

Dear D. Record:

Re: BC Gas Special Waste Delisting - 3777 Lougheed Highway, Burnaby BC
(AS-11593)

This is further to the letter sent August 30, 1993, on your behalf to Ms. Coleen Hackinen of our Surrey office by Morrow Environmental Consultants Inc. regarding delisting of 1000 cubic metres of treated hydrocarbon contaminated soil from a special waste treatment facility (AS-11593). Please be advised that:

- 1) Pursuant to Section 2(10) of the Special Waste Regulation, I consider the intent of Sections 19(2)(b) and 19(3) of the Special Waste Regulation met by the requirement in Clause 14 of the Letter of Approval (AS-11593) signed by Louise Ouellet on September 26, 1992.
- 2) Therefore, subject to compliance with Clause 14 of Approval AS-11593 and based on the analytical data submitted with the letter sent on your behalf by Morrow Environmental Consultants Inc. to Coleen Hackinen on August 30, 1993, and to Brenda Hatch on September 27, 1993; the hydrocarbon contaminated soil from the special waste treatment facility (AS-11593) and for which analytical data was submitted may be disposed at an authorized landfill. Disposal at any specific landfill still requires permission of the landfill owner.

If you have any further questions, please contact Brenda Hatch of our Surrey office at 582-5330.

Sincerely,

H.J. Vogt
Deputy Director of Waste Management

cc. Mike Wong, BC Environment, Surrey
Brenda Hatch, BC Environment, Surrey
John Elliot, Morrow Environmental
John Wiens, BC Environment

Recd			
To	Act	Note	Done/Date
JME			
File			

British Columbia
Handle with care



1993 08 30

Project R9-190

BC Environment, Lands & Parks
Environmental Protection
15326 103A Avenue
SURREY, BC
V3R 7A2

ATTENTION: Coleen Hackinen, M.Sc., P.Ag., Acting Head, Special Waste Section

REFERENCE: Permission to Dispose of Treated Soil From
The Lochburn Gas Distribution Centre
3777 Lougheed Highway, Burnaby, BC, Approval AS-11593

Morrow Environmental Consultants Inc. (MECI), on behalf of BC Gas Inc., requests permission to dispose of approximately 1000 m³ of soil from the above location at a permitted landfill. The soil is a mixture of sand, gravel, and organic material (peat) from the above site, where it was exposed to hydrocarbon (primarily gasoline) derived contaminants. The soil was excavated and placed into a lined remediation basin during the week of 1992 09 30, under the terms of the above approval. A copy of the approval is contained in Appendix I.

Further to Item 6 of the approval, representative composite samples of the remediation basin soil were collected on 1992 09 30 and 1992 10 01, following placement into the remediation basin. The samples were submitted to Powertech Labs Inc. for analysis of concentrations of benzene, ethylbenzene, toluene and xylene (BETX), light hydrocarbons, total extractable hydrocarbons (TEH), and mineral oil and grease. The analytical results for these samples are summarized in Table 1 (attached) beside provincial guidelines. The Powertech report (Powertech Reference Nos: 92257, 92264, 92265; Samples C-1 through C-6) is contained in Appendix II. The initial mass of BETX contaminants in the soil pile was estimated to be 288 kg by averaging the contaminant concentrations in these initial samples and assuming a soil density of 1300 kg/m³.

Reduction of the contaminant concentrations by bioremediation was performed, using nutrients and mechanical aeration. Further to Item 8 of the approval, the performance of the remediation process was monitored (during the remediation season) by MECI personnel through the collection of nine point composite samples from random locations throughout the pile. To ensure representative coverage throughout the depth of the pile, the samples were obtained from the excavator bucket during the mechanical aeration process. The samples were field composited in a plastic bag before being tightly packed into a sample jar and stored in a chilled container until delivery to the laboratory for analysis.

... /2



BC Environment, Lands & Parks - 2
1993 08 30
R9-190

The monitoring process was continued on successive aeration dates to confirm that the soil chemical quality was Level C as defined by the Criteria for Managing Contaminated Sites (CMCS) in British Columbia (Draft 6, 1989 11 21). In addition to the initial samples obtained in 1992, composite soil samples were obtained on 1993 05 26 and 1993 07 20 and analyzed by Powertech Labs to determine BETX and light hydrocarbons concentrations. Additional analyses were obtained for concentrations of total extractable hydrocarbons (TEH) and total metals to confirm earlier data which indicated that these contaminants were present on site at low levels. All sampling results are summarized in Tables 1 and 1A, attached. Copies of all laboratory reports for the soil samples taken from the remediation basin (Powertech Reference Nos.: 92257, 92264, 92265, 93106 and 93232) are included in Appendix II.

Based on the analytical results, it is apparent that the soil chemical quality within the remediation basin is now CMCS Level C or better. Further to Section 14 of the approval, we are now requesting permission to dispose of the remediated soil at a permitted industrial landfill.

We would like to arrange for disposal of this soil as soon as possible, and are concurrently making arrangements with Burns Developments Ltd. to dispose of it at their landfill at 8662 River Road in Delta, BC (Permit 7707, Alpha Manufacturing Inc.). Based on our recent experience obtaining BC ELP permission to dispose of treated soils, we are forwarding a copy of this letter and attachments to the office of the Environmental Management Department of the BC ELP in Victoria.

We trust that the above provides sufficient information for your requirements. Should you require additional information or clarification, please do not hesitate to contact us.

J.M. Elliott, P.Eng.
Project Engineer

MORROW ENVIRONMENTAL CONSULTANTS INC.

JME/sh

enc.

cc: L. Hubbard, P.Eng., Director, Industrial Waste and Hazardous Contaminants Branch,
BC ELP, Victoria, BC
D.L. Record, A.Sc.T., BC Gas Inc., Vancouver, BC

TABLE 1: Summary of Laboratory Analysis - Soil Samples Collected from Remediation Basin, Organic Analyses R9-190

Sample Identifier	Sample Date	Benzene	Ethyl-benzene	Toluene	Xylenes	Light Hydrocarbons	Total Extractable Hydrocarbons	Mineral Oil & Grease
C-1	92 09 30	4.0	23.3	53.4	165	880	-	220
C-2		2.5	36.2	20.1	143	680	803	180
C-3		7.4	27.8	67.8	182	850	-	190
C-4		-	-	-	-	-	730	250
C-6	92 10 01	4.2	17.9	13.8	118	500	-	-
S-1	93 05 26	<0.5	<4	<2	16	96	132	-
S-2		<0.5	<4	<2	4.1	<50	-	-
S-4		<0.5	<4	<2	<4	<50	-	-
S-1	93 07 20	<0.5	<4	<2	<4	<50	-	-
S-2		<0.5	<4	<2	<4	<50	-	-
S-3		<0.5	<4	<2	<4	<50	-	-
S-4		<0.5	<4	<2	<4	<50	-	-
BC Standards ¹								
Level A		0.1	0.1	0.1	0.1	-	-	100
Level B		0.5	5	3	5	-	400 ³	1 000
Level C		5	50	30	50	-	2 000 ³	5 000
Special Waste ²		100	100	100	100	-	-	30 000

Concentrations expressed in milligrams per kilogram of dry sediment.

< Less than detection limit; - = analysis not performed.

¹ Criteria for Managing Contaminated Sites in British Columbia, Draft 6, 1989 11 21.

² British Columbia Waste Management Act, Special Waste Regulation.

³ Contaminated Sites Unit Memorandum, October 1991, Robert McLenehan.

TABLE 1A: Summary of Laboratory Analyses, Composite Soil Sample
Collected from the Remediation Basin, 1993 07 20, Inorganic Analysis

R9-190

Total Metals	BC Criteria ¹			
	S-2	A	B	C
Arsenic	<20	5	30	50
Barium	70	200	500	2 000
Cadmium	<0.5	1	5	20
Chromium	12	20	250	800
Cobalt	5	15	50	300
Copper	10	30	100	500
Lead	8	50	500	1 000
Mercury	<2	0.1	2	10
Molybdenum	<2	4	10	40
Nickel	8	20	100	500
Selenium	<10	2	3	10
Silver	<1	2	20	40
Tin	<5	5	50	300
Zinc	26	80	500	1 500

Results expressed in milligrams/kilogram of dry sediment.

¹ Criteria for Managing Contaminated Sites in BC, Draft 6, 1989 11 21.

APPENDIX I

Approval AS 11593

RECEIVED

SEP 29 1992

**MORROW ENVIRONMENTAL
CONSULTANTS INC.**

REGISTERED MAIL

BC GAS INC.
Box 12503
1066 West Hastings Street
Vancouver, British Columbia
V6E 3G3

Gentlemen:

Letter of Approval

Pursuant to Section 1 of the Waste Management Act, Special Waste Regulation, B.C. Reg. 63/88, BC Gas Inc. is hereby informed that the land described as: District Lot 118, Plan 3067, Remainder Block L, New Westminster District and located at 3777 Lougheed Highway, Burnaby, British Columbia is a historical special waste contaminated site.

Pursuant to Sections 3.2 and 9 of the Waste Management Act, BC Gas Inc. is hereby authorized to construct and operate a special waste pile located on the land described above and shown on the attached Appendix. The special waste which may be managed at the facility shall be limited to that originating from the historical special waste contaminated site described above. Operation of the facility shall occur for a period of 15 months from the date of this Approval.

This Approval is subject to the following terms and conditions:

1. The Approval Holder shall comply with all applicable sections of Special Waste Regulation, except for sections 3, 6 to 13, 25, 28 and 33 as stated in section 2. (12) of the Regulation. The facility shall be constructed and operated as described in the letter report, dated 02 September 1992, and Drawing No. R9-190-403, dated 19 August 1992, prepared by Morrow Environmental Consultants Inc.
2. The special waste soil shall be placed in a lined treatment facility. The liner of the treatment facility shall be made of 30 mil polyethylene or other impervious material of equivalent compatibility with the waste. The liner, in one piece or with sealed impermeable joints, shall be installed in such a manner as to provide support and resistance to pressure gradients above and below and prevent failure due to compression, uplift or settlement.

.../2

File: AS-11593

Date:

-11593	R.Y.		
To	Acc	Note	Done/Date
SEP.	73	732	
DME			
Total			R. 9-190

3. Access to the waste pile treatment facility shall be restricted through fencing or other suitable means as approved by the Regional Waste Manager. Entrance to the facility shall be limited to authorized personnel only and signs, as per section 8 of the Special Waste Regulation, shall be posted.
4. The waste pile shall be covered at all times, except when being worked, with a low permeability liner to prevent infiltration of rain water.
5. No effluent shall be discharged from the site, including any water encountered during the soil excavation process or collected in the approved leachate collection system, unless it has been tested to confirm its acceptability should discharge to a sewer system or the environment be intended. Notwithstanding local bylaws, effluent discharges from the soil treatment facility are, as a minimum, subject to compliance with the Special Waste Regulation. Approval from the responsible regulatory authorities shall be obtained before any discharge takes place.
6. During placement of the excavated hydrocarbon contaminated material in the treatment facility, samples shall be obtained on a hexagonal grid basis to adequately characterize the material laterally and vertically and provide a reference condition for monitoring during treatment. The samples shall be tested for benzene, ethylbenzene, toluene and xylenes (BETX); light aliphatic hydrocarbons (LAH); total extractable hydrocarbons (TEH); metals; and oil and grease.

Based on the sampling and laboratory analyses, estimates shall be prepared for the total mass of BETX hydrocarbon contaminants and volume of soil, before treatment, within the treatment facility.

7. When excavation of the contaminated soil is completed, confirmatory sampling and analyses shall be carried out on representative samples on the walls and base of the excavation to ensure that all special waste has been removed and placed in the lined bio-remediation basin.
8. For the purpose of monitoring the performance of biodegradation processes, at least 2 representative samples of the contaminated soil shall be obtained once every 3 months and assessed using suitable indicator parameters.
9. A vapour evacuation system may be installed for vapour control and to assist in the volatilization process. The extraction line(s) shall be connected to an explosion-proof fan. The Approval Holder shall obtain all necessary air emissions approvals prior to start-up.

10. Monitoring of the water level in the approved leachate collection system shall be carried out once a month. If significant liquid has accumulated, it shall be removed and recycled back into the contaminated soil to maintain moisture or disposed of in a suitable manner, as specified in 5. above.
11. Management of the facility shall be carried out to ensure optimum biodegradation of hydrocarbons as well as integrity of the works and shall include, but not be restricted to:
 - a) Regular inspections pursuant to Section 29. (1) of the Special Waste Regulation performed at least every month.
 - b) Addition of amendments such as water, nutrients, and inoculum as needed.
 - c) Prompt remedial action, to the satisfaction of the Regional Waste Manager, should problems develop.
12. Tabulated reports of inspections and monitoring results shall be submitted to the Regional Waste Manager ~~within 3 months from the date of issuance of this~~ Approval and every 3 months thereafter. Data required under item 6. above shall be submitted within 2 weeks from the date of this Approval.
13. A closure plan shall be prepared and submitted to the Regional Waste Manager prior to alternate use of the land approved by this letter or removal of the contaminated soil to another facility. The closure plan, pursuant to Section 14 of the Special Waste Regulation, shall also include the following information:
 - a) Final monitoring results and confirmatory sampling results, including analyses for BETX; light aliphatic hydrocarbons; total extractable hydrocarbons; and oil and grease.
 - b) Removal procedures for the soil (if applicable), the liner, the drainlines and all other works at the site.
14. No soil shall be removed from the site unless laboratory analyses have confirmed that it does not qualify as special waste and that the quality of the material meets the levels specified in the *Criteria for Managing Contaminated Sites in British Columbia* (Draft 6) for its intended use following treatment. The Regional Waste Manager shall be notified prior to the re-use or disposal of the treated material.



AS-11593

Page 4

Compliance with the terms and conditions of this Approval will be determined through periodic inspections by staff from the Surrey office located at 15326 - 103A Avenue, Surrey, British Columbia, V3R 7A2, telephone 582-5200.

This Approval does not authorize entry upon, cross over, or use for any purpose, of private or Crown lands or works, unless and except as authorized by the owner of such lands or works. The responsibility for obtaining such authority shall rest with the holder of the Approval.

Granting of this Approval is without prejudice to any future applications.

Yours truly,

Louise Ouellet

Louise Ouellet, P. Eng.
Assistant Regional Waste Manager

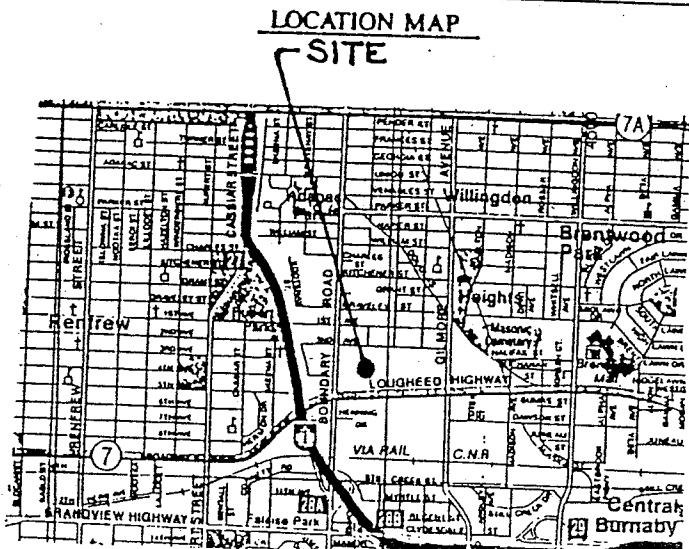
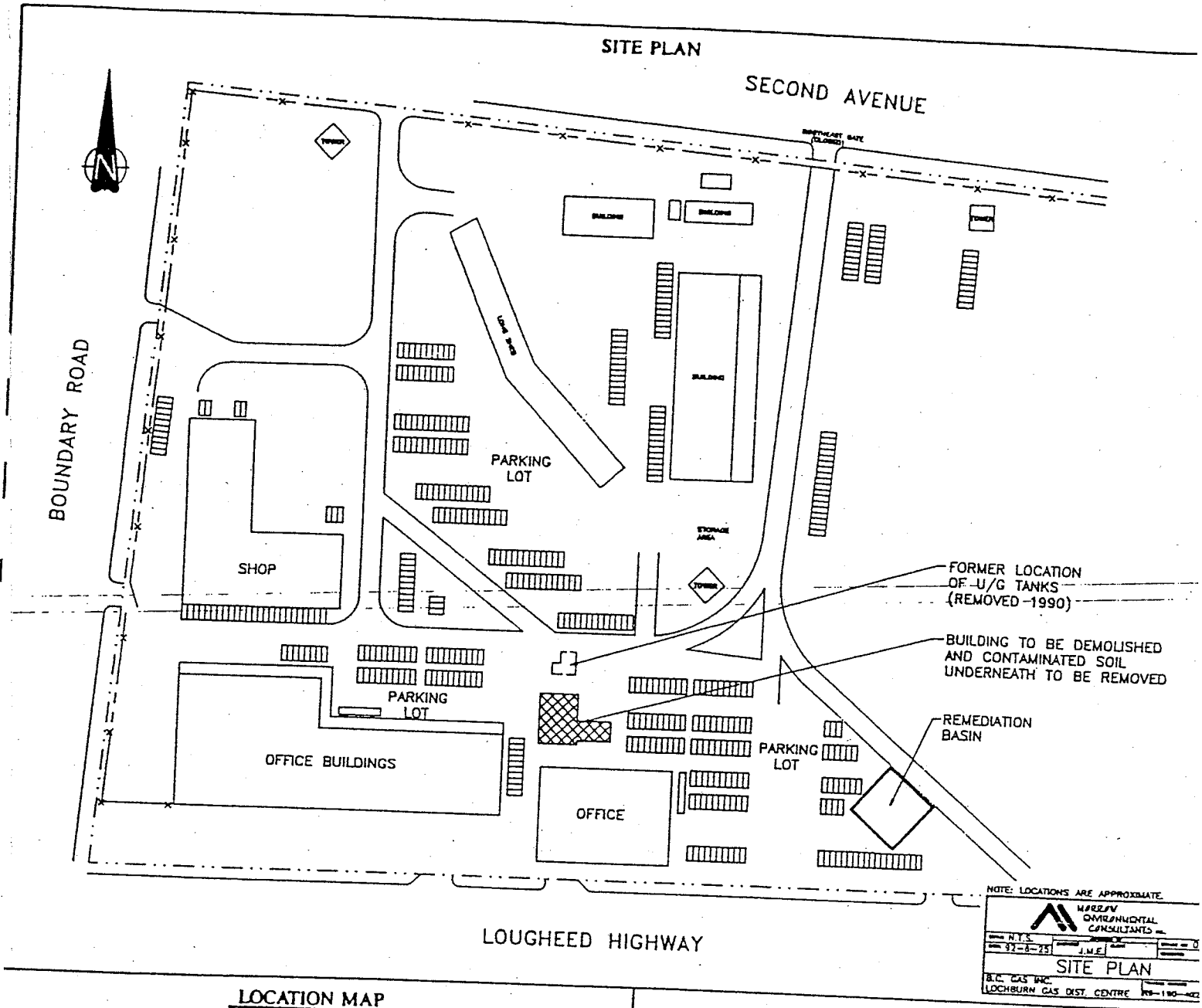
cc: Mr. D. Record, BC Gas Inc., 200 - 3701 East Hastings Street, Burnaby, B.C. V5C 2H6
Mr. J. Elliott, Morrow Environmental Consultants Inc., 8658 Commerce Court, Burnaby, B.C. V5A 4N6
Mr. R. Shepherd, Environment Canada
Dr. J. Wiens, Environmental Protection, Victoria
C. Hackinen, Environmental Protection, Surrey



Province of
British Columbia

Ministry of
Environment

WASTE MANAGEMENT BRANCH



BC Gas Inc.

92/09/02
(Date)

(Name of applicant(s))
D. J. Record
(Signature of applicant(s) or agent)

SEP 26 1992

(FOR OFFICE USE ONLY)

Date Issued

Louise Dutillet
Assistant Regional Waste Manager

Date Amended

Appendix to Permit No.

APPENDIX II
Analytical Reports

Powertech Labs Inc.

12388-88th Avenue
Surrey, British Columbia
Canada V3W 7R7

Tel: (604) 590-7500
Fax: (604) 590-5347

OCT 22 1992

MORROW ENVIRONMENTAL
CONSULTANTS INC.

8 October, 1992

Project : 4677-44
File No : E140-276
Client Ref No: R9-190
Ref Nos. : 92257, 92264, 92265



Morrow Environmental Consultants
8658 Commerce Court.
Burnaby, B.C.
V5A 1N6

Attn: John Elliott

Dear John,

Re: Analysis of Soil Samples - R9-190

Soil samples S1 to S8 were received on September 28, 1992.
Soil samples C1 to C4 were received on September 30, 1992.
Soil samples S9 to S13 and C5 to C6 were received on October 1, 1992.
BETX/LH analyses for samples S1 to S13 were analyzed on a rush basis.

Results attached.
TEH Chromatograms attached.

Prepared by: Ed Hall

Approved by:

N. Dominelli
Sr. Research Chemist
Applied Chemistry Div.

cc Dave Record
B.C. Gas

Recd	PK		
To	Acc	Notes	Date
JHE			
File			R9-190

Results - Morrow Environmental Project R9-190

Page 2 of 4

BETX/Light Hydrocarbons in Soil:

Samples were analyzed by solvent extraction/Capillary Gas Chromatography. Light Hydrocarbons includes organic compounds within the boiling range of 69 °C (C6 hydrocarbon) to 253 °C (C14 hydrocarbon).

BTEX/Light Hydrocarbons Results (ppm dry weight basis)

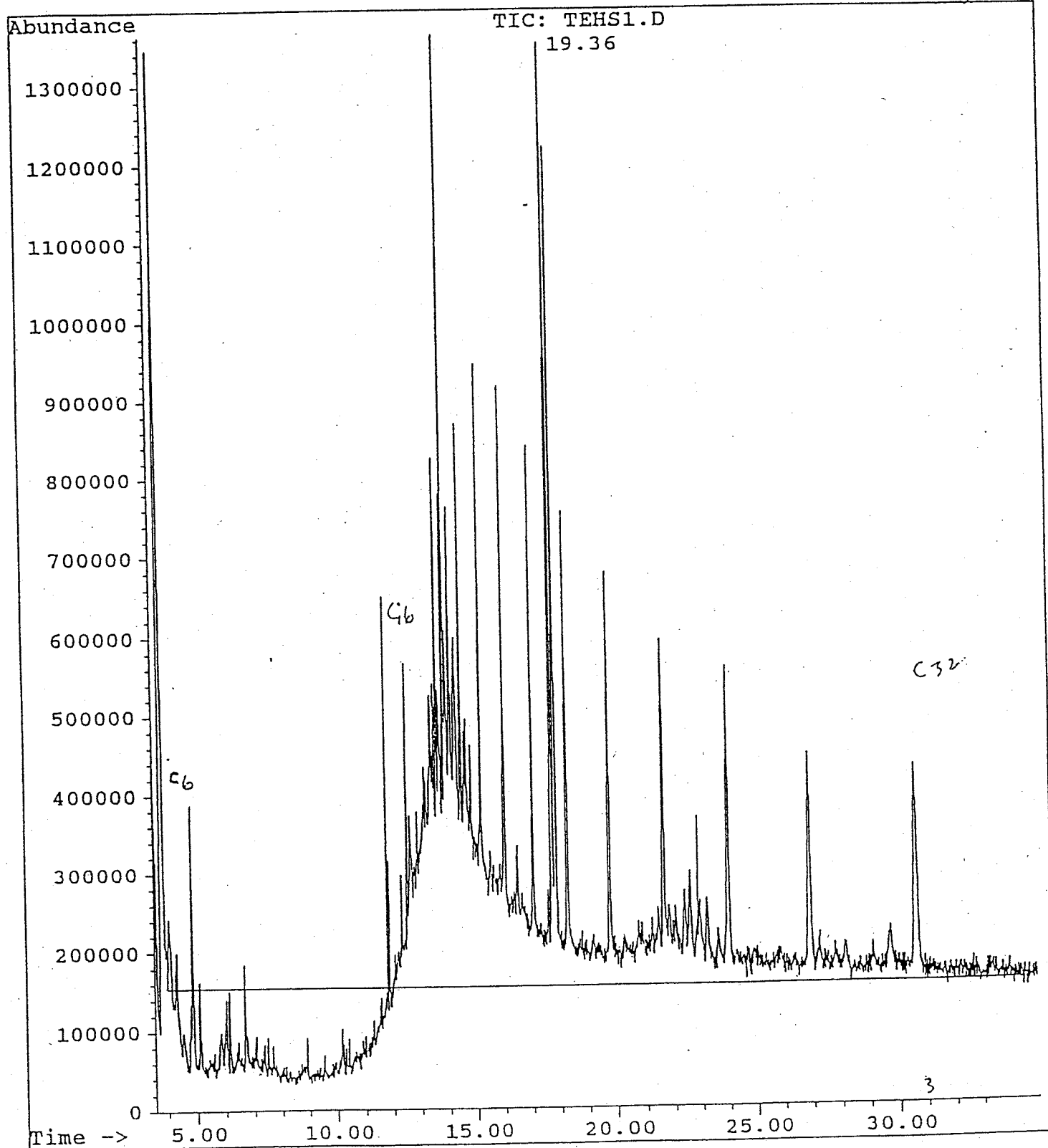
Client ID	Date Received	Dry Weight (%)	Benzene	Toluene	Ethyl Benzene	Xylene	Light Hydrocarbons
S1	92/09/28	78.3	2.6	<2	<4	<4	<50
S2	92/09/28	18.2	3.7	<2	<4	<4	<50
S3	92/09/28	20.1	<0.5	<2	<4	<4	<50
S4	92/09/28	20.5	<0.5	<2	<4	<4	<50
S5	92/09/28	40.2	2.2	6.1	10.1	57.2	220
S6	92/09/28	26.1	49.5	<2	29.6	149	570
S7	92/09/28	26.5	48.9	<2	<4	<4	67
S8	92/09/28	70.1	2.0	<2	<4	<4	<50
S9	92/10/01	26.6	<0.5	<2	<4	<4	<50
S10	92/10/01	67.5	1.9	<2	<4	<4	<50
S11	92/10/01	25.5	2.4	<2	<4	15.9	141
S12	92/10/01	39.1	<0.5	<2	<4	<4	<50
S13	92/10/01	29.9	9.8	24.7	27.1	139	1390
C1	92/09/30	58.4	4.0	53.4	23.3	165	880
C2	92/09/30	56.4	2.5	20.1	36.2	143	680
C3	92/09/30	44.8	7.4	67.8	27.8	182	850
C6	92/10/01	39.6	4.2	13.8	17.9	118	500

Note - The presence of benzene in sample S7 has been confirmed by reanalysis of the sample using a GC column of different polarity. Previous samples taken from this location on Dec. 7, 90 (and reported to Morrow) also had high levels of benzene which was confirmed at that time with GC/MS analysis.

Dry Weight = weight remaining after solvent extraction and drying at 115 °C for

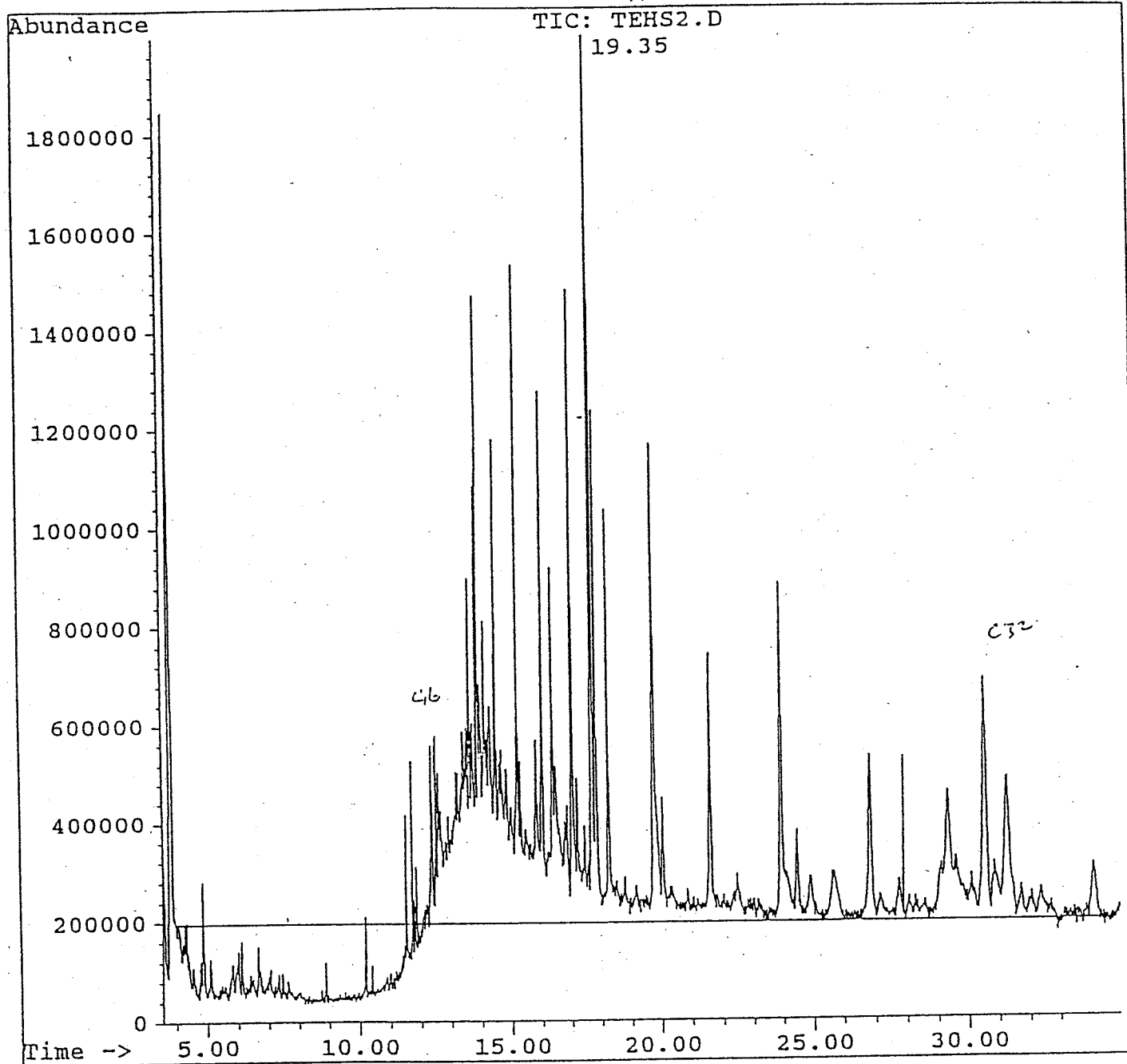
File: C:\CHEMPC\DATA\TEHS1.D
Operator:
Date Acquired: 1 Oct 92 12:02 pm
Method File: TEH.M
Sample Name: SAMPLE R9-190-S1
Misc Info:
ALS vial: 1

183.ug/mL.



R9-190-52

219 µg/mL



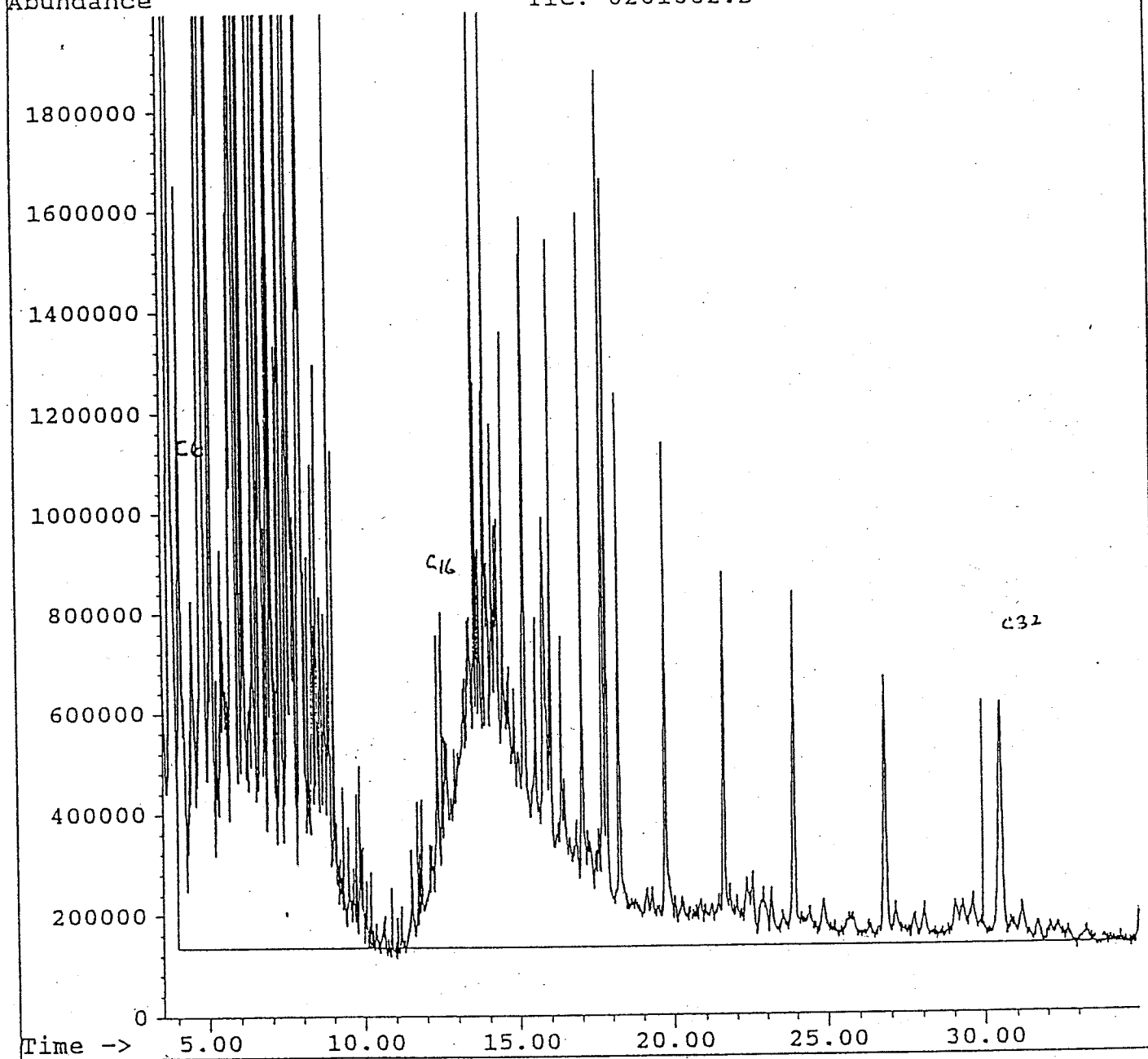
TEH

R190 - C2

1140 $\mu\text{g/mL}$

Abundance

TIC: 0201002.D



TEH

R-190-C4

944 $\mu\text{g/mL}$

TIC: 0301003.D

Abundance

1800000

1600000

1400000

1200000

1000000

800000

600000

400000

200000

0

Time ->

5.00

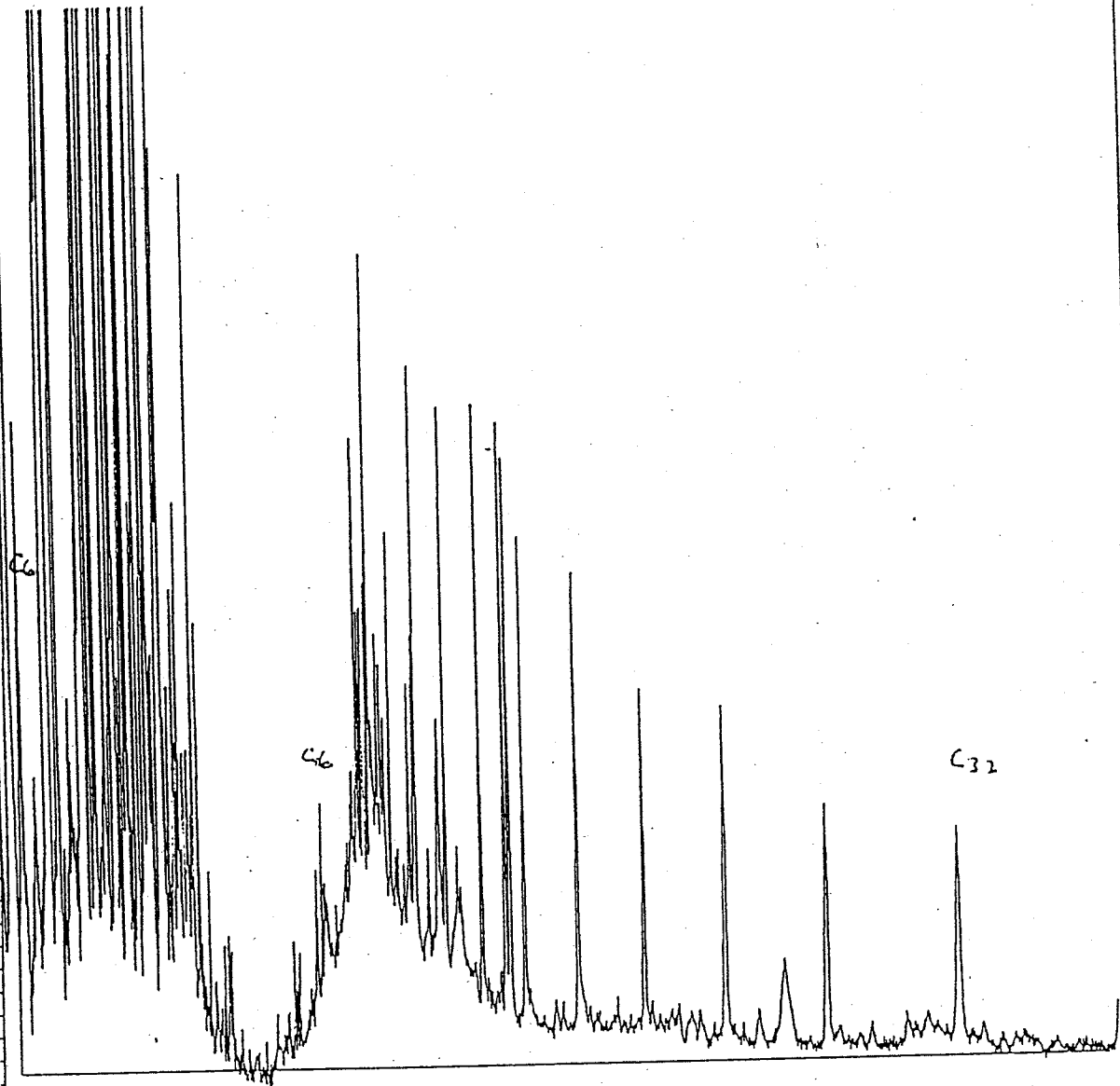
10.00

15.00

20.00

25.00

30.00





SAMPLE SUBMISSION FORM & CHAIN OF CUSTODY

Page 1 of 1

PROJECT NO: R-9-190 LOCATION: LOCHBURN BC GAS LAB: _____

CLIENT: RAE LOC. CODE: _____

SAMPLING DATE: 92/09/28 SUBMISSION DATE: 92/09/28 RESULTS TO MECI BY: 'Rush'

SAMPLES TAKEN BY: J. ELLIOTT SUBMITTED BY: J. ELLIOTT

PROJECT MANAGER: J. ELLIOTT / L. HANSON NO. OF SAMPLE SETS: _____

Sample Identification	Sample Type	Preservation	Container	Analysis Required							
				BETX	METALS & HOD	LAH	TEH	MINERAL OIL & GREASE			
S-1	Sediment	CHILL	JAR	X		X	X				
S-2	"	"		X		X	X				
S-3	"	"		X		X					
S-4	"	"		X		X					
S-5	"	"		X		X		X			
S-6	"	"		X		X					
S-7	"	"		X		X					
S-8	"	"		X		X		X			
S-8A	"	"			X						

COMMENTS: _____

Relinquished By (Signature)	Affiliation	Date	Time	Received By* (Signature)	Affiliation	Date	Time
<i>[Signature]</i>	MECI	92/09/28	15:30	Ed Hall	PowerTech	Sept 28, 92	15:30

* If any samples are not intact at time of transfer, please describe on back of this form.

KEY: BETX: Benzene, Ethylbenzene, Toluene, Xylenes; LAH: Light Aliphatic Hydrocarbons; Metals: CMCS Level B Metals; Min O/G: Mineral Oil and Grease; O/G: Total Oil and Grease; PAH: Polycyclic Aromatic Hydrocarbons; Phenols: Total Phenols; TEH: Total Extractable Hydrocarbons.

COPIES: white - to follow results; yellow - lab copy; pink - submitter's copy.



ATTN ED Hall

92264

SAMPLE SUBMISSION FORM & CHAIN OF CUSTODY

Page 1 of 1

PROJECT NO: 2-9-190 LOCATION: BC Gas Lochburn LAB: PowerTech
CLIENT: BC GAS LOC. CODE: _____
SAMPLING DATE: 92/9/29 SUBMISSION DATE: 92/09/30 RESULTS TO MECI BY: Fax REGULAR TUESDAY
SAMPLES TAKEN BY: J. ELLIOTT SUBMITTED BY: J. ELLIOTT
PROJECT MANAGER: L. HANSON / J. ELLIOTT NO. OF SAMPLE SETS: _____

Sample Identification	Sample Type	Preservation	Container	Analysis Required						
				BETX/ LAH	PAH	TEH	MIN O/G	OIL GREASE	METALS	HOLD
C-1 92/9/29	SEDIMENT	CHILL	JAR	X	X	X				
C-1 92/9/29	"	"	"		X		X			
C-2 92/9/29	"	"	"	X	X	X	X			
C-2 92/9/29	"	"	"		X		X	X		
C-3 92/9/29	"	"	"	X	X	X	X			
C-3 92/9/29	"	"	"		X		X			
C-4 92/9/29	"	"	"	X	X	X	X			
C-4	"	"	"		X				X	
C-5 (92/10/1)	"	"	"							X
C-6 (92/10/1)	"	"	"	X						

COMMENTS: HOLD ALL ANALYSES PENDING CONFIRMATION WITH JIM ELLIOTT
DO - DO 92/10/1

Relinquished By (Signature)	Affiliation	Date	Time	Received By* (Signature)	Affiliation	Date	Time
<u>[Signature]</u>	<u>MECI</u>	<u>92/9/30</u>	<u>09:30</u>	<u>Ed Hall</u>	<u>PowerTech</u>	<u>Sept 30, 92</u>	<u>1:00</u>

* If any samples are not intact at time of transfer, please describe on back of this form.

KEY: BETX: Benzene, Ethylbenzene, Toluene, Xylenes; LAH: Light Aliphatic Hydrocarbons; Metals: CMCS Level B Metals; Min O/G: Mineral Oil and Grease; O/G: Total Oil and Grease; PAH: Polycyclic Aromatic Hydrocarbons; Phenols: Total Phenols; TEH: Total Extractable Hydrocarbons.



SAMPLE SUBMISSION FORM & CHAIN OF CUSTODY

Page 1 of 1

PROJECT NO: R-9-190 LOCATION: Loch Bann BCG LAB: Power tech.

CLIENT: BC GAS LOC. CODE: _____

SAMPLING DATE: 92/10/1 SUBMISSION DATE: 92/10/1 RESULTS TO MECI BY: PAE Bish

SAMPLES TAKEN BY: J. ELLIOTT SUBMITTED BY: _____

PROJECT MANAGER: ELLIOTT / HANSON NO. OF SAMPLE SETS: _____

Sample Identification	Sample Type	Preservation	Container	BETX/ LAH	Analysis Required							
S-9	SEDIMENT	CHILL	JAR	X								
S-10	"	"	"	X								
S-11	"	"	"	X								
S-12	"	"	"	X								
S-13	"	"	"	X								

COMMENTS: _____

Relinquished By (Signature)	Affiliation	Date	Time	Received By* (Signature)	Affiliation	Date	Time
<u>[Signature]</u>	<u>MECI</u>	<u>92/10/1</u>	<u>14:30</u>	<u>[Signature]</u>	<u>Power tech</u>	<u>Dec 1, 92</u>	<u>14:35</u>

* If any samples are not intact at time of transfer, please describe on back of this form.

KEY: BETX: Benzene, Ethylbenzene, Toluene, Xylenes; LAH: Light Aliphatic Hydrocarbons; Metals: CMCS Level B Metals; Min O/G: Mineral Oil and Grease; O/G: Total Oil and Grease; PAH: Polycyclic Aromatic Hydrocarbons; Phenols: Total Phenols; TEH: Total Extractable Hydrocarbons.

COPIES: white - to follow results; yellow - lab copy; pink - submitter's copy.

File R-4-190
File R-4-190

Powertech Labs Inc. - Interim Results

01 June, 1993

Project : 2221-44
File No : E140-276
PO # : R9-190
Ref Nos. : 93106

Morrow Environmental Consultants
8658 Commerce Court.
Burnaby, B.C.
V5A 1N6

Attn: John Elliott

Re: Analysis of Soil Samples - R9-190

Samples S1 to S3 were received on May 26, 1993.

Results attached.

Prepared by: Joanne Starchuk

Approved by: _____

N. Dominelli
Sr. Research Chemist
Applied Chemistry Div.

Results - Morrow Environmental Project R9-190

Page 2 of 2

BETX/Light Hydrocarbons in Soil:

Samples were analyzed by solvent extraction/Capillary Gas Chromatography. Light Hydrocarbons includes organic compounds within the boiling range of 69 °C (C6 hydrocarbon) to 253 °C (C14 hydrocarbon).

BETX/Light Hydrocarbons Results (ppm dry weight basis)

ID	Sample Date	% Dry Weight	Benzene	Toluene	Ethyl Benzene	Xylene	Light Hydrocarbons
S1	93/05/26	57.1	<0.5	<2	<4	16	96
S2	93/05/26	55.3	<0.5	<2	<4	4.1	<50
S4	93/05/26	57.0	<0.5	<2	<4	<4	<50

% Weight = weight remaining after extraction and drying at 115 °C for 16 hrs.

Total Extractable Hydrocarbons (TEH) in Soil:

Samples were analyzed by solvent extraction/Capillary Gas Chromatography. TEH includes organic compounds with boiling points ranging from 126 °C (C8) to 468 °C (C32).

Sample ID	Date Received	TEH ppm dry wt.	Hydrocarbon Range	Description
S1	92/10/21	132	C16-C26	Light Oil



SAMPLE SUBMISSION FORM & CHAIN OF CUSTODY

Page ____ of ____

PROJECT NO: R-9-190 LOCATION: LOCATED
PC GAS LAB: DonnerCLIENT: PC GAS LOC. CODE: _____SAMPLING DATE: 9/15/16 SUBMISSION DATE: 10/1/16 RESULTS TO MECI BY: LAHSAMPLES TAKEN BY: J. Elliott SUBMITTED BY: J. ElliottPROJECT MANAGER: J. Elliott NO. OF SAMPLE SETS: _____

Sample Identification	Sample Type	Preservation	Container	Analysis Required							
				BETX/LAH	TEH	Metals	Min O/G	PAH	Phenols	Oil and Grease	
S-1	SEDIMENT	CHILL	5A2	X	X						
S-2	"	"	"	X							
S-3	"	"	"	X							

COMMENTS: _____

Relinquished By (Signature)	Affiliation	Date	Time	Received By* (Signature)	Affiliation	Date	Time
<u>J. Elliott</u>	<u>MECI</u>	<u>10/1/16</u>	<u>13:17</u>	<u>J. Strachan</u>	<u>PC GAS</u>	<u>10/25</u>	<u>13:17</u>

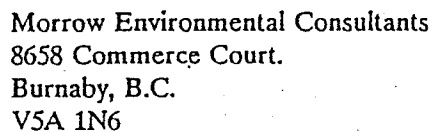
* If any samples are not intact at time of transfer, please describe on back of this form.

KEY: BETX: Benzene, Ethylbenzene, Toluene, Xylenes; LAH: Light Aliphatic Hydrocarbons; Metals: CMCS Level B Metals; Min O/G: Mineral Oil and Grease; O/G: Total Oil and Grease; PAH: Polycyclic Aromatic Hydrocarbons; Phenols: Total Phenols; TEH: Total Extractable Hydrocarbons.

Tel: (604) 590-7500
Fax: (604) 590-5347

20 August 1993

Project : 2221-44
File No : E140-276
PO # : R9-190
Ref Nos. : 93232



Attn: John Elliott

Re: Analysis of Soil Samples - R9-190

Four Soil Samples were received on July 20, 1993 for analysis.

Results attached.

Prepared by: Joanne Starchuk

Approved by:

N. Dominelli
Sr. Research Chemist
Applied Chemistry Div.

Results - Morrow Environmental Project R9-190

Page 2 of 2

BETX/Light Hydrocarbons in Soil:

Samples were analyzed by solvent extraction/Capillary Gas Chromatography. Light Hydrocarbons includes organic compounds within the boiling range from 69 °C (C6 hydrocarbon) to 253 °C (C14 hydrocarbon)

BETX/Light Hydrocarbons Results (mg/kg dry weight basis)

ID	Sample Date	% Moisture	Benzene	Toluene	Ethyl Benzene	Xylene	Light Hydrocarbons
S1	930720	38.5	<0.5	<2	<4	<4	<50
S2	930720	40.9	<0.5	<2	<4	<4	<50
S3	930720	37.8	<0.5	<2	<4	<4	<50
S4	930720	40.8	<0.5	<2	<4	<4	<50

Total Extractable Hydrocarbons in Soil (TEH)

Samples were analyzed by solvent extraction/Capillary Gas Chromatography. The results are reported per kg of total sample on a dry weight basis.

Sample ID	Sample Date	TEH mg/kg	Hydrocarbon Range	Description
S2	930720	<100	-	-

Mineral Oil and Grease as Freon Extractables (Gravimetric Procedure)

The samples were analyzed in accordance with "Standard Methods for the Examination of Water and Wastewater", 17th Edition (1989). Method No. 5520E, F. The results are reported per kg of total sample on a dry weight basis.

Sample ID	Sample Date	Mineral Oil & Grease mg/kg
#S3	9306720	120

ACID EXTRACTABLE METALS:

Powertech W.O.: 93232

Methodology: The soil was air dried and passed through a 2.36 mm (#8) sieve. A subsample of the fines fraction was digested with nitric acid using microwave techniques prior to analysis by Inductively Coupled Plasma Spectroscopy.


Acid Extractable Metals, mg/kg	MECI R-9-190 S-2
Aluminum	1.5 %
Arsenic	< 20
Barium	70
Boron	<50
Cadmium	<0.5
Chromium	12
Cobalt	5
Copper	10
Iron	1.0 %
Lead	8
Manganese	190
Mercury	<2
Molybdenum	<2
Nickel	8
Selenium	< 10
Silver	< 1
Tin	< 5
Zinc	26

Results are reported on a dry weight basis in milligrams per kilogram of sample as received except where noted.

Tel: (604) 590-7500
Fax: (604) 590-5347

Project : 2221-44
File No : E140-276
PO # : R9-190
Ref Nos. : 93232

Results attached.


N. Dominelli
Sr. Research Chemist
Applied Chemistry Div.

Results - Morrow Environmental Project R9-190

Page 2 of 2

BETX/Light Hydrocarbons in Soil:

Samples were analyzed by solvent extraction/Capillary Gas Chromatography. Light Hydrocarbons includes organic compounds within the boiling range from 69 °C (C6 hydrocarbon) to 253 °C (C14 hydrocarbon)

BETX/Light Hydrocarbons Results (mg/kg dry weight basis)

ID	Sample Date	% Moisture	Benzene	Toluene	Ethyl Benzene	Xylene	Light Hydrocarbons
S1	930720	38.5	<0.5	<2	<4	<4	<50
S2	930720	40.9	<0.5	<2	<4	<4	<50
S3	930720	37.8	<0.5	<2	<4	<4	<50
S4	930720	40.8	<0.5	<2	<4	<4	<50

Total Extractable Hydrocarbons in Soil (TEH)

Samples were analyzed by solvent extraction/Capillary Gas Chromatography. The results are reported per kg of total sample on a dry weight basis.

Sample ID	Sample Date	TEH mg/kg	Hydrocarbon Range	Description
S2	930720	<100	-	-

Mineral Oil and Grease as Freon Extractables (Gravimetric Procedure)

The samples were analyzed in accordance with "Standard Methods for the Examination of Water and Wastewater", 17th Edition (1989). Method No. 5520E, F. The results are reported per kg of total sample on a dry weight basis.

Sample ID	Sample Date	Mineral Oil & Grease mg/kg
#S3	9306720	120

ACID EXTRACTABLE METALS:

Powertech W.O.: 93232

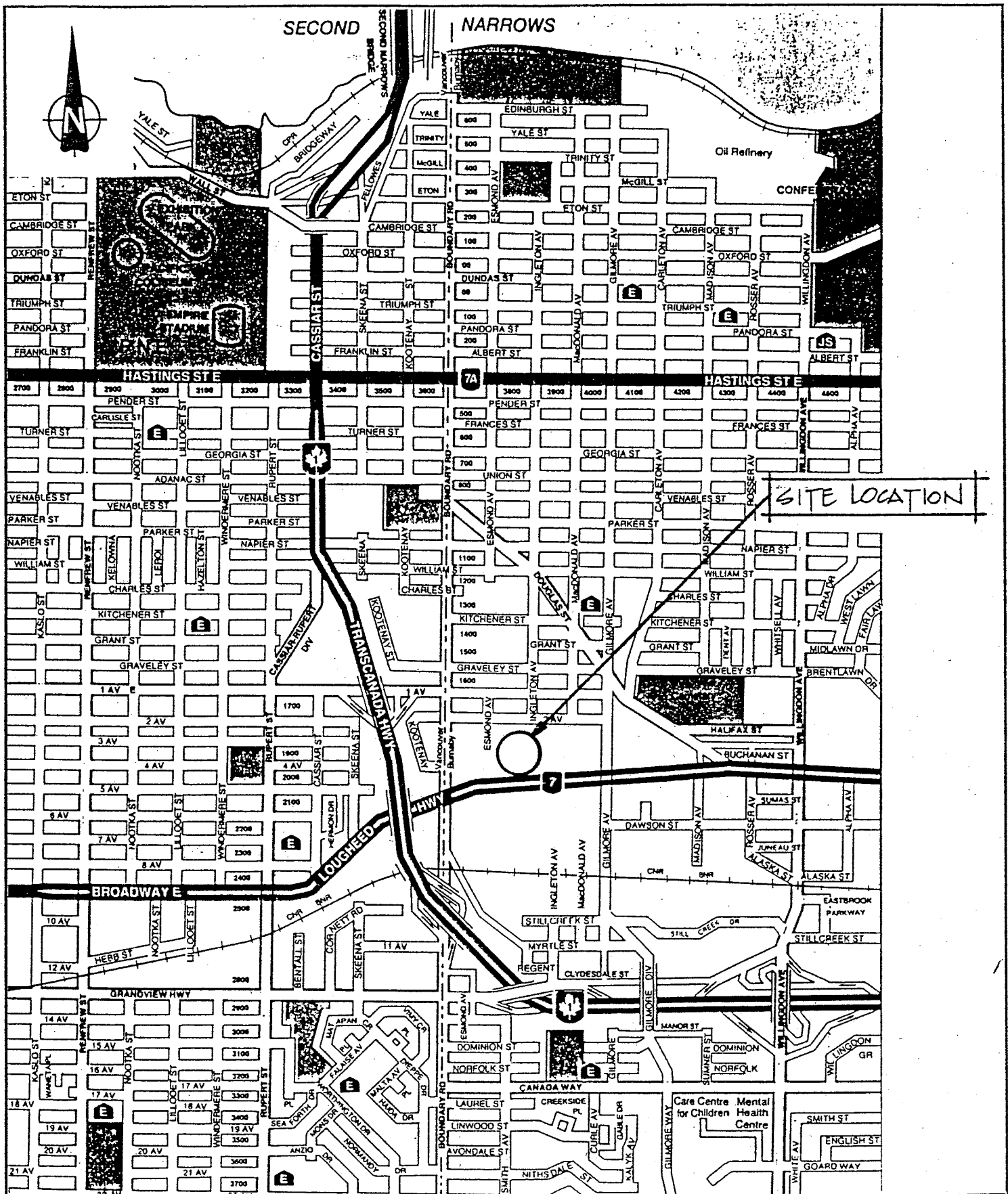
Methodology: The soil was air dried and passed through a 2.36 mm (#8) sieve. A subsample of the fines fraction was digested with nitric acid using microwave techniques prior to analysis by Inductively Coupled Plasma Spectroscopy.

Acid Extractable Metals, mg/kg	MECI R-9-190 S-2
Aluminum	1.5 %
Arsenic	< 20
Barium	70
Boron	< 50
Cadmium	< 0.5
Chromium	12
Cobalt	5
Copper	10
Iron	1.0 %
Lead	8
Manganese	190
Mercury	< 2
Molybdenum	< 2
Nickel	8
Selenium	< 10
Silver	< 1
Tin	< 5
Zinc	26

Results are reported on a dry weight basis in milligrams per kilogram of sample as received except where noted.

APPENDIX IV

Drawings



MORROW RECOVERY SYSTEMS INC.

NORTH VANCOUVER, B.C.

SCALE: N.T.S.

DATE: 89.11.14

APPROVED BY

ENGINEER

CLIENT

DRAWN BY

CHECKED

KEY PLAN

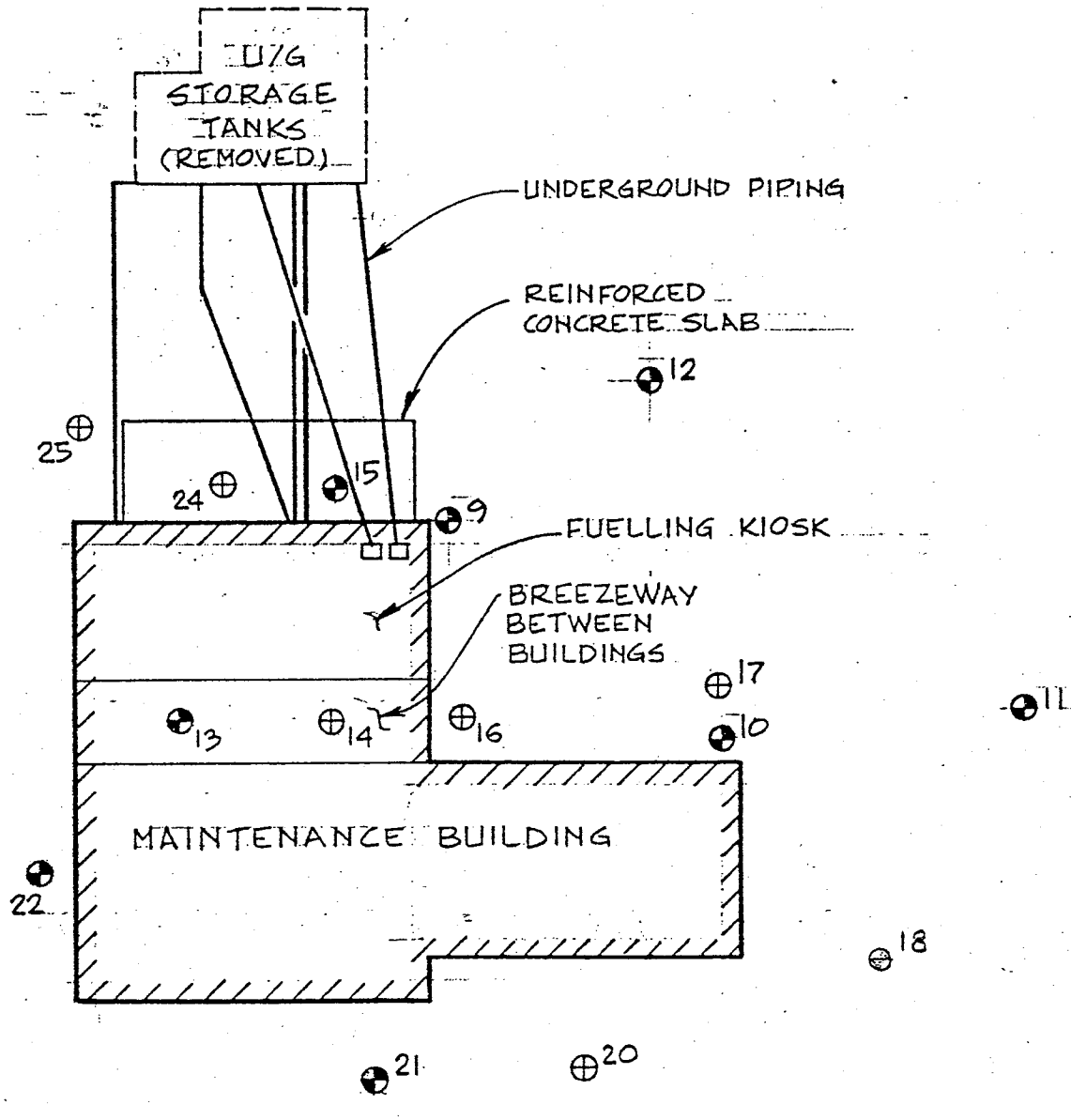
B.C. GAS BURNABY, B.C.

DRAWING NUMBER

22-100-101

REV

23 ⊕ SERVICE ROAD



LEGEND

⊙ PIEZOMETER

⊕ BOREHOLE

OFFICE BUILDING

MORROW ENVIRONMENTAL CONSULTANTS INC.
NORTH VANCOUVER, B.C.

SCALE: 1:200

APPROVED BY:

DRAWN BY J.S.

DATE 91.02.01

ENGINEER

CLIENT:

CHECKED

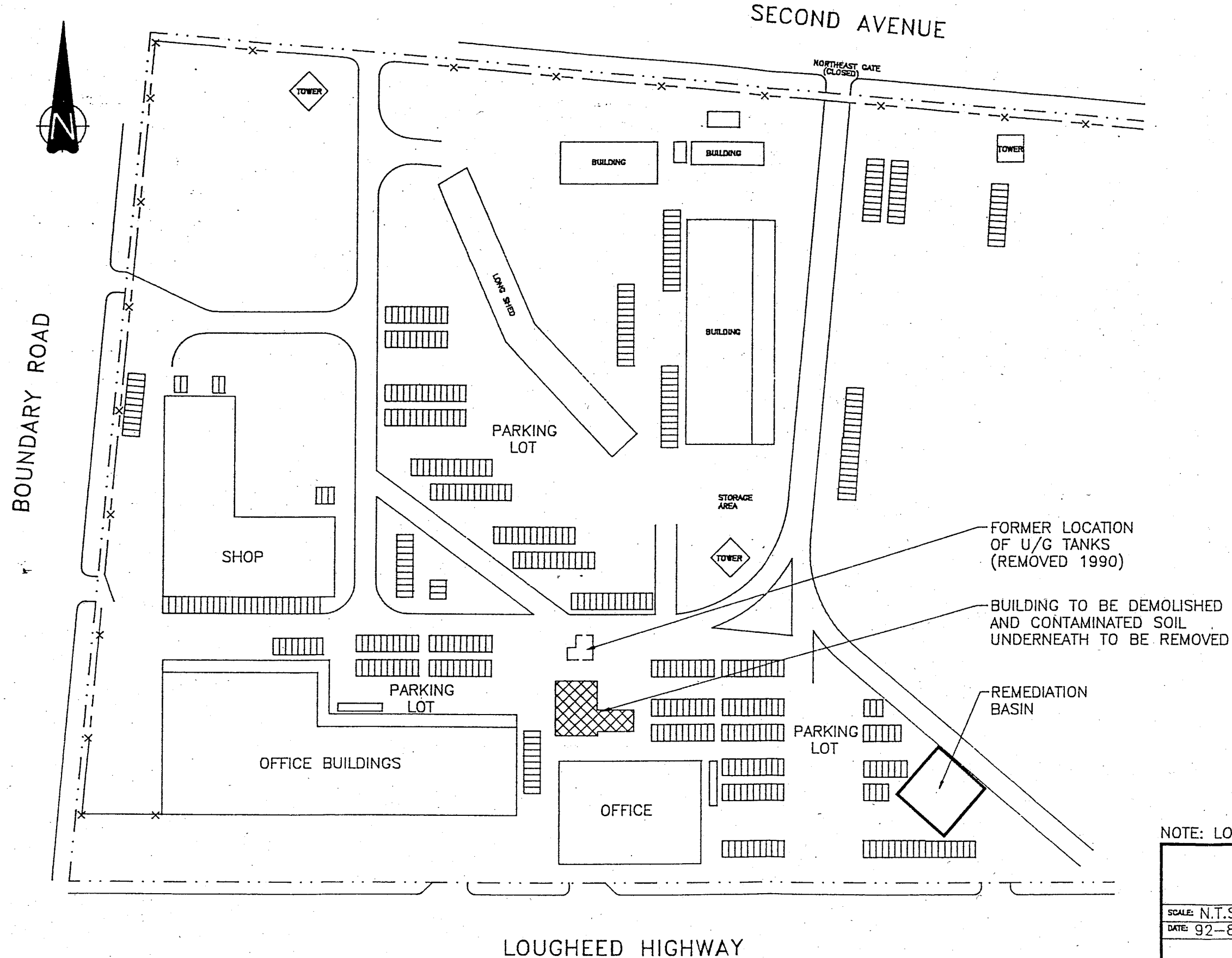
L.H.

PIEZOMETER & BOREHOLE LOCATIONS

B.C. GAS - BURNABY, B.C.

DRAWING NUMBER

REV



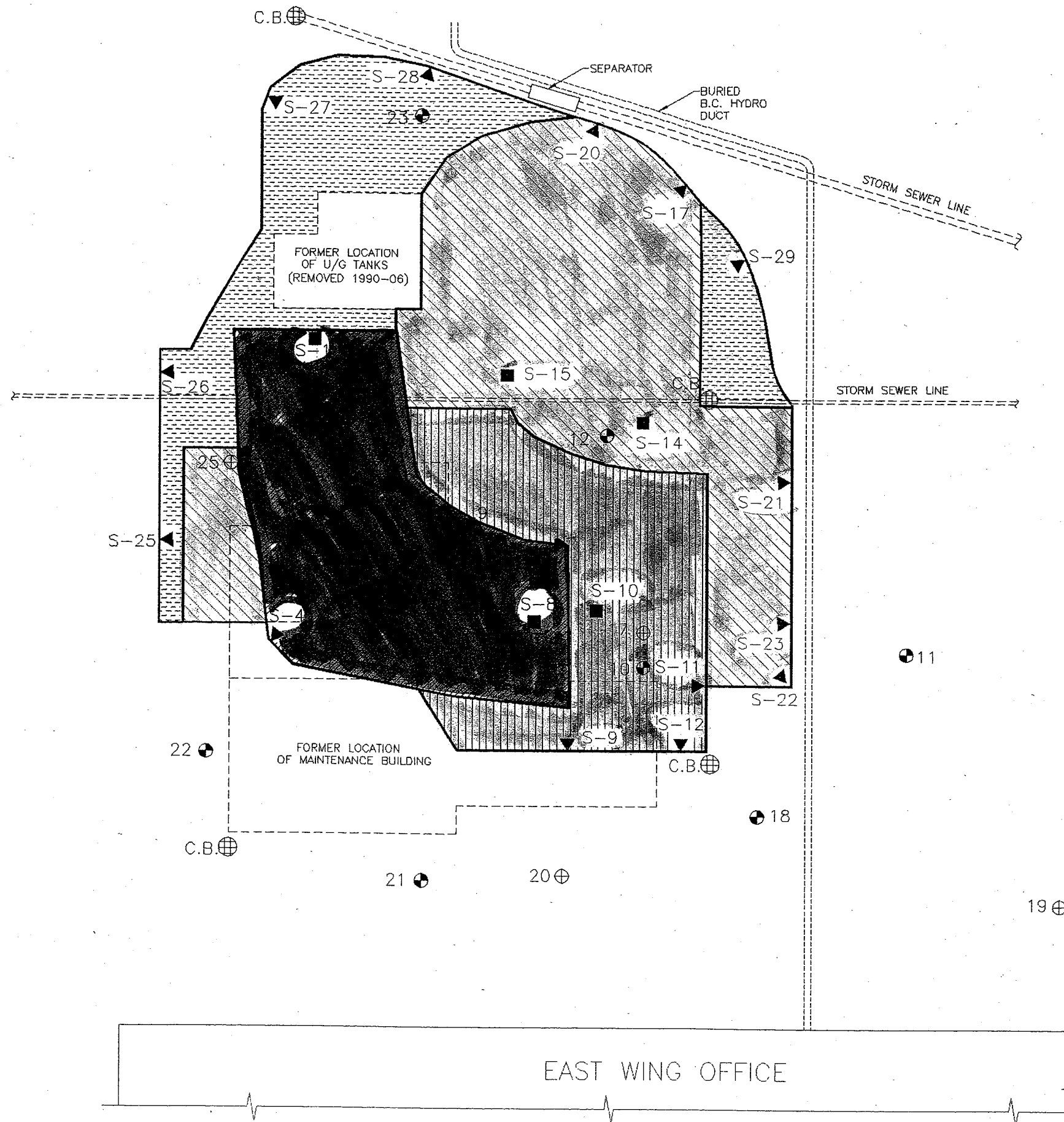
FORMER LOCATION
OF U/G TANKS
(REMOVED 1990)

BUILDING TO BE DEMOLISHED
AND CONTAMINATED SOIL
UNDERNEATH TO BE REMOVED

REMEDIATION
BASIN

NOTE: LOCATIONS ARE APPROXIMATE.









 MORROW ENVIRONMENTAL CONSULTANTS INC.			
SCALE: N.T.S.	ENGINEER	APPROVED BY	CLIENT
DATE: 92-8-25	J.M.E.		
DRAWN BY: D.H.P.			CHECKED:
SITE PLAN			
B.C. GAS INC.		DRAWING NUMBER	REV.
LOCHBURN GAS DIST CENTRE		R9-190-402	-



CONFIRMATORY SAMPLE LOG

SAMPLE No.	DATE	LOCATION/DEPTH (m)
S-1	92-09-28	FLOOR/2.5
S-4	92-09-28	SW WALL/2.5
S-8	92-09-28	FLOOR/3.5
S-9	92-10-01	S WALL/3.0
S-10	92-10-01	FLOOR/3.5
S-11	92-10-01	E WALL/2.5
S-12	92-10-01	S WALL/2.5
S-14	92-10-08	FLOOR/3.0
S-15	92-10-08	FLOOR/3.5
S-17	92-10-08	NE WALL/1.5-2.5
S-20	92-10-09	NE WALL/2.6
S-21	92-10-09	E WALL/2.5
S-22	92-10-09	SE WALL/3.0
S-23	92-10-09	E WALL/2.5
S-25	92-10-27	W WALL/2.5-3.5
S-26	92-10-27	W WALL/2.5
S-27	92-10-27	NW WALL/2.7
S-28	92-10-27	N WALL/3.0
S-29	92-10-27/28	N WALL/1.5-3.0

LEGEND

-  EXTENT OF EXCAVATION (92-09-28)
-  EXTENT OF EXCAVATION (92-10-01)
-  EXTENT OF EXCAVATION (92-10-08/09)
-  EXTENT OF EXCAVATION (92-10-27/28)
-  FLOOR SAMPLE
-  WALL SAMPLE
-  PIEZOMETER LOCATION
-  BOREHOLE LOCATION



SCALE: 1:200	APPROVED BY	DRAWN BY: D.H.P.
DATE: 93-12-24	ENGINEER: J.M.E.	CHECKED:

SOIL EXCAVATION & CONFIRMATORY SAMPLE LOCATIONS

B.C. GAS INC. LOCHBURN GAS DIST. CENTRE	DRAWING NUMBER R9-190-502	REV. 1
--	------------------------------	-----------

1999 05 10

Project V8-195

BC Gas Utility Ltd.
1111 West Georgia Street
VANCOUVER, BC
V6E 4M4

ATTENTION: Mr. John Himmel, Manager, Integration

REFERENCE: Results of Soil Investigation, New Storage Area
Lochburn Facility, 3777 Lougheed Highway, Burnaby, BC

Morrow Environmental Consultants Inc. (MECI), on behalf of BC Gas Utility Ltd., has completed a test pitting program at the southeast corner of the Lochburn facility in the area of a proposed pipe storage yard. The purpose of the test pitting program was to determine the general quality of soil prior to excavation and subsequent off site disposal of the soil. The following report summarizes the results of the test pitting investigation together with results of other investigation activities completed by MECI and associated with this project.

BACKGROUND

Site Description

The BC Gas Lochburn facility is located at the northeast corner of the intersection of Lougheed Highway and Boundary Road in Burnaby, BC. The site provides natural gas utility support services, including fabrication, installation, repair, and administrative functions for much of the Greater Vancouver area. The current site buildings include an abandoned office building and warehouse complex (West Block), an office building (East Block), a machine shop (used for meter fabrications, welding, painting and an instrument shop), a training and shop building (Horne Payne Building), several storage sheds, and several small offices. Other facilities include: a natural gas vehicle fueling station; a fire fighting training area; pipe, meter and material storage areas; and a soil storage area.

The proposed pipe storage area is located at the southeast corner of the BC Gas facility. Drawing V8-195-008, Appendix I, shows the proposed pipe storage area and nearby surrounding site structures.

Previous Work

MECI completed a Stage 1 Preliminary Site Investigation (PSI) at the facility in September 1998. Based upon the results, the potential concerns identified for the proposed new pipe storage area are summarized in the following table.



BC Gas Utility Ltd. - Page 2 of 8
1999 05 10
V8-195

Issue / Concern	Location	Potential Contaminants of Concern - Contaminant and Analytical Parameters
On Site		
FILL MATERIAL <ul style="list-style-type: none"> potential for wastes of contaminated materials to have been incorporated in fill 	Fill material placed across subject property	potentially petroleum products and metals: LEPH, HEPH, BETX, PAHs, PCBs, metals
STORAGE YARD (Historical): <ul style="list-style-type: none"> leakage of oil or other petroleum products from drums or electrical equipment 	Former BC Hydro storage areas, northeast portion of subject property, particularly surrounding the Home Payne Building.	lubricants, solvents, or other liquids: LEPH, HEPH, PAHs, VOCs, PCBs, metals
STORAGE YARD (Current): <ul style="list-style-type: none"> leaching of contaminants from soil 	Storage of excavated soil in southeast portion of subject property.	Various contaminants from a variety of sources: LEPH, HEPH, BETX, PAHs, VOCs, PCBs, metals
Off Site		
REPAIR BUILDING (historical and current - presumed vehicle servicing and storage tanks): TRANSFORMERS: <ul style="list-style-type: none"> spillage on ground surface, possible leakage from suspected former underground storage tank: oil or other petroleum products potential for migration of contaminants towards subject property 	In BC Hydro yard, adjacent to southeast corner of subject property	lubricants, solvents, or other liquids: LEPH, HEPH, BETX, PAHs, VOCs, metals
TRANSFORMERS (historical): <ul style="list-style-type: none"> leakage of oil or other petroleum products from drums or electrical equipment potential for migration of contaminants towards subject property 	Transformer station and yard directly east of subject property	lubricants, solvents or other liquids: LEPH, HEPH, BETX, PAHs, VOCs, PCBs, metals

NOTES:

LEPH: light extractable petroleum hydrocarbons
 HEPH: heavy extractable petroleum hydrocarbons
 PAHs: polycyclic aromatic hydrocarbons

VOCs: volatile organic compounds
 BETX: benzene, ethylbenzene, toluene, xylenes

The detailed results of the investigation for this area and the remainder of the site can be found in MECI's report entitled *Stage 1. Preliminary Site Investigation, BC Gas Utility Ltd. Lochburn Facility*, dated 1998 12 15.

SCOPE OF WORK

As directed by BC Gas, the scope of work for this investigation included an assessment of the soil quality only in the area of the proposed pipe storage yard at the southeast corner of the Lochburn facility.

Based upon conversations with the site contractor (Dominion Construction of Vancouver, BC), the soil overlying the native till material was to be removed from the proposed new pipe storage area, to a maximum depth of 0.6 m. The soil was to be replaced with suitable imported fill material. Once excavated, the soil was to be immediately transferred for off site disposal to an



BC Gas Utility Ltd. - Page 3 of 8
1999 05 10
V8-195

appropriate landfill. The total estimated volume of soil to be disposed of off site was approximately 2,800 m³.

Based upon the results of the Stage 1 PSI, a test pitting program was completed to assess the soil quality for the suspected contaminants of concern, prior to excavation of the soil.

FIELD INVESTIGATION

On 1999 03 01, MECI observed the excavation of 18 test pits (TPs 99-49 through 99-67) across the new proposed pipe storage area. The test pits were excavated to a maximum depth of approximately 1.2 m using a rubber-tired backhoe provided by Dominion Construction of Vancouver, BC. The test pit locations are shown on Drawing V8-195-008 in Appendix I.

Soil conditions in each test pit were logged in detail with respect to soil type, colour, density, moisture content, and apparent hydrocarbon contamination. This information can be found in the Test Pit Logs provided in Appendix II. Soil from the test pits was collected either by scraping the bucket of the backhoe across the area to be sampled and collecting samples directly from the bucket or by using a hand trowel.

A portion of each sample collected was placed in a 125 mL Teflon[®] lined laboratory supplied glass sample container. A second portion of each sample was placed in a sealable polyethylene bag and the vapour in the soil sample was allowed to equilibrate with the air in the headspace of the bag. The hydrocarbon vapours in the headspace above the sample were then measured using a GasTech[®] combustible gas meter calibrated to a hexane standard. The field screening results are shown on the Test Pit Logs in Appendix II and were used, along with visual observations, to identify samples for possible laboratory analysis. The jarred soil samples were delivered to CanTest Ltd. in Vancouver, BC, for selective analysis of the following parameters:

- benzene, ethylbenzene, toluene, and xylenes (BETX) – the more highly volatile of the regulated hydrocarbon derivatives of gasoline;
- volatile petroleum hydrocarbon (VPH) – a gross parameter for light end volatile organics (such as those found in volatile organic compounds [VOCs] scans) excluding the BETX components;
- polycyclic aromatic hydrocarbons – several specific compounds indicative of heavier end hydrocarbons such as diesel fuel or lubricating oils;
- extractable petroleum hydrocarbons (EPH) – reported as EPH (C₁₀-C₁₈) and EPH (C₁₉-C₃₁) (The carbon ranged presented and the analytical methods employed for this analysis are similar to light extractable petroleum hydrocarbons [LEPH] and heavy extractable petroleum hydrocarbons [HEPH] for which there are numerical soil standards. These are general parameters used to determine the presence of heavier end hydrocarbons.)
- LEPH and HEPH – similar to EPH values discussed above, but corrected for concentrations of PAHs, if any; and
- metals.



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Based upon the Stage 1 PSI, VOCs were also considered a potential contaminant of concern for the investigated area. As VOCs parameters (excluding BETX which was analyzed separately) are found within the carbon range addressed by the VPH analysis, this analysis was not completed within the initial scope of work. If elevated VPH concentrations had been identified, one more VOCs analyses would have been completed to assess for potential solvent-type contamination.

The frequency of soil sample analyses, where possible, was based upon visual observations and, hydrocarbon vapour concentrations. Based on the information, the following sample frequencies were used:

Parameter	Number of Samples	Sampling Frequency	Basis for Sampling Frequency
BETX	5	1 per 700 m ³	Low soil sample headspace hydrocarbon vapour concentrations
EPH/LEPH/HEPH	6	1 per 450 m ³	Low soil sample headspace hydrocarbon vapour concentrations, limited to no visual evidence of hydrocarbon contamination
PAHs	2	1 per 1,300 m ³	Low soil sample headspace hydrocarbon vapour concentrations, limited to no visual evidence of hydrocarbon contamination
PCBs	2	1 per 1,300 m ³	Limited to no visual evidence of hydrocarbon contamination (PCBs are usually associated with oils)
metals	14	1 per 200 m ³	Sampling frequency was greatest because metals are not easily identifiable in the field

Quality Assurance/Quality Control

To assess the reproducibility of the laboratory data, 'blind duplicate' soil samples were collected based upon a frequency of approximately one duplicate sample per 10 samples collected. The samples were collected and handled in a manner similar to those described in the previous section. Based upon the number of samples collected for analysis, one blind duplicate sample was submitted for analysis of metals concentrations.

RESULTS OF INVESTIGATION

Test Pit Stratigraphy and Observations

Details of geological information obtained during the test pitting program can be found in the Test Pit Logs, Appendix II. In general, the near surface soils consisted of fill material, comprised of sand, gravel and silt materials to an approximate depth of 0.3 m, overlying a native dense silt with some gravel and cobbles (till).

Based on observations made during the test pitting program, suspected dark brown soil staining was observed at TPs 99-50 (0.18 m to 0.2 m), 99-52 (0.05 m to 0.09 m), 99-53 (0.1 m to 0.13 m), 99-54 (0.15 m to 0.2 m), 99-55, (0.07 m to 0.1 m), 99-59 (0.15 m to 0.2 m) and TP 99-66 (0.0 m to 0.1 m). Suspected grey staining was observed at TP 99-52 (0.35 m to 0.6 m).

All soil sample headspace hydrocarbon vapour concentrations measured were less than 100 ppm. MECI notes that hydrocarbon vapour concentrations such as those measured are generally used for evaluation of gasoline type contamination and are less useful for heavier, less volatile hydrocarbons such as diesel fuel. As a guideline, 100 ppm could be considered



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low for soil with gasoline type contamination and moderate for soil with diesel type contamination.

ANALYTICAL RESULTS

Regulatory Framework

The degree of soil contamination has been determined by comparison of the analytical results to standards presented in the Waste Management Act, *Contaminated Sites Regulation* (CSR), BC Reg. 375/96, O.C. 1480/96, 1997 04 01.

The CSR provides matrices for numerical soil standards for certain parameters, such that the standards used depend on site specific conditions (e.g., local use of groundwater as a potable resource, local flow of water to aquatic habitat areas, toxicity to soil invertebrates and plants, specific land use, etc.). Additionally, the CSR provides generic standards (i.e., not site specific) for VPH, LEPH, and HEPH, as well as for the remaining regulated parameters in soil. For this report, LEPH and HEPH standards have been used to evaluate EPH (C₁₀-C₁₈) and EPH (C₁₉-C₃₁) results, respectively, where samples have not been analyzed for PAHs concentrations. Following correction for PAHs (if any), LEPH and HEPH values would be equal to or less than the corresponding EPH values. In discussing the results of this assessment, the terms LEPH and HEPH are used whether PAHs concentrations were measured or not.

As the subject site is zoned for industrial use, the appropriate soil standards from the CSR are the industrial land use (IL) standards. However, for the purposes of off site soil disposal, the residential land use (RL) and commercial land use (CL) standards are also provided as they would dictate the soil disposal destination. In general, disposal of soil containing contaminant concentrations greater than the RL standards is regulated in BC under the CSR.

The most appropriate site specific CSR standards for evaluation of the results in soil are those pertaining to 'intake of contaminated soil', 'toxicity to soil invertebrates and plants' or 'groundwater flow to surface used by aquatic life' (due to the proximity of the site to Still Creek), whichever provides the most stringent standard. A review completed by MECI did not identify any wells in the area used as sources for potable water. In addition, it was assumed that the soil would not be disposed of at a landfill located near a well used as a drinking water source. Therefore, the CSR matrix soil standards for 'groundwater used for drinking water' were not considered applicable.

Soil

Soil samples collected during the test pitting program were selectively analyzed for concentrations of BETX, VPH, LEPH, HEPH, EPH, PAHs, PCBs and metals. The results are summarized in Tables 1 through 4, along with the appropriate comparison standards, as discussed previously. The analytical laboratory reports for the soil sampling programs (CanTest Ltd. files: 9030204 and 9030312) are included in Appendix III.

Based upon the analytical results, one sample, collected from TP 99-59 (0.15 m to 0.2 m) contained an HEPH concentration (1,300 mg/kg) greater than the CSR RL standard of 1,000 mg/kg but less than the CSR CL and IL standards (both 5,000 mg/kg). All remaining



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samples analyzed contained hydrocarbon, metals and PCBs concentrations less than the CSR IL, CL and RL standards.

Quality Assurance/Quality Control

The results of the blind duplicate soil samples are provided in Table 4 (metals). Based upon the results, the relative percent differences (RPDs) for barium, cobalt, copper, vanadium and zinc concentrations in the duplicate samples from TP 99-59 (Samples TP99-59-1 and 99-59-4) were outside MECI's quality assurance objectives. These objectives require that the RPDs, defined as the absolute value of the difference between the duplicate results, divided by the average of the duplicate results, for the duplicates be less than 50%. The RPDs for the various metals parameters are provided below:

Parameter	RPD (%)
barium	91
cobalt	77
copper	61
vanadium	84
zinc	63

Duplicate sample RPDs which do not meet MECI's quality assurance objectives generally require that an investigation be made of the potential sources of error (e.g. were the samples unintentionally switched or were there calculation errors associated with dilution of the sample). These potential sources of error will be discussed in the following section.

DISCUSSION

One sample collected from TP 99-59 (0.15 m to 0.2 m) contained a HEPH concentration of 1,300 mg/kg which is greater than the CSR RL standard but less than the CSR CL and IL standards. This sample was observed to have possible 'dark brown' staining. All remaining samples analyzed contained parameter concentrations less than the CSR CL, IL and RL standards. The extent of the HEPH concentrations, greater than the CSR RL standard, was not determined as this was not within the scope of the investigation. However, based upon suspected observed dark brown staining identified in the test pits, the estimated lateral extent of the staining covered a potential maximum area of approximately 1,300 m². Assuming an average thickness of 0.1 m (considered conservatively high based upon the observed dark brown staining), the estimated volume of dark brown stained soil, which may contain HEPH concentrations greater than the CSR RL standard, was 130 m³ (in situ) or 170 m³ (ex situ).

The RPDs for certain metals parameters (barium, cobalt, copper, vanadium and zinc) in the duplicate sample were outside MECI's acceptable range. Based upon a review of the data and discussions with the analytical laboratory, no specific reason was identified which would account for the inconsistencies. As this sample was collected of fill material at the site, it is likely that the inconsistent results were associated with variations in the collected soil (as is typical of fill materials), therefore the soils were not resampled or reanalyzed. If this anomaly had occurred in a native soil, a resampling program would have been recommended by MECI.



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CONCLUSIONS

- One soil sample, collected from BH 99-59 (0.15 m to 0.2 m), contained an HEPH concentration greater than the CSR RL standard but less than the CSR CL and IL standards. The extent of the soil containing HEPH concentrations greater than the CSR RL standards was not defined, however, based upon observed dark brown staining the estimated volume of soil could be in the range of up to 130 m³ (in situ) or 170 m³ (ex situ).
- Based upon the analytical results, the soil should be disposed of at a permitted facility which accepts soil which contains hydrocarbon concentrations greater than the CSR RL standards.
- Concentrations of five metals in the duplicate samples analyzed did not meet MECI's quality assurance objectives. The inconsistent results may be associated with sample variability which is typically observed in fill materials.

In general, the limitations of the investigation are discussed in the following section.

GENERAL LIMITATIONS AND CONFIDENTIALITY

This report has been prepared by Morrow Environmental Consultants Inc. (MECI) for the exclusive use of BC Gas Utility Ltd., who has been party to the development of the scope of work for this project and understands its limitations.

This report is intended to provide information to BC Gas Utility Ltd. to assist it in making business decisions. MECI is not a party to the various considerations underlying the business decisions, and does not make recommendations regarding such business decisions. In providing this report, MECI accepts no liability or responsibility in respect of the site described in this report or for any business decisions relating to the site, including decisions in respect of the purchase, sale or investment in the site.

Should this report be submitted to the BC Ministry of Environment Lands and Parks (BC ELP) by BC Gas Utility Ltd., the BC ELP is authorized to rely on the results within the limitations of the following paragraphs for the purpose of determining whether BC Gas Utility Ltd. is fulfilling (has fulfilled) its obligations with respect to applicable environmental regulations. Any use, reliance on, or decision made by a third party based on this report is the sole responsibility of such third party. MECI accepts no liability or responsibility for any damages that may be suffered or incurred by any third party as a result of the use of, reliance on, or any decision made based on this report.

The findings, conclusions and recommendations in this report have been developed in a manner consistent with the level of skill normally exercised by environmental professionals currently practising under similar conditions in the area. The findings contained in this report are based, in part, upon information provided by others. If any of the information is inaccurate, modifications to the findings, conclusions and recommendations may be necessary.

The findings, conclusions and recommendations presented by MECI in this report reflect MECI's best judgement based on the site conditions at the time of the site inspection on the



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date(s) set out in this report and on information available at the time of preparation of this report. They have been prepared for specific application to this site and are based, in part, upon visual observation of the site, subsurface investigation at discrete locations and depths, and specific analysis of specific materials as described in this report during a specific time interval. The findings cannot be extended to previous or future site conditions or to portions of the site which were unavailable for direct observation, subsurface locations which were not investigated directly, or materials or analysis which were not specified. Substances other than those described may exist within the site, reported substance parameters may exist in areas of the site not investigated, and concentrations of substances greater than those reported may exist between sample locations.

If site conditions change or if any additional information becomes available at a future date, modifications to the findings, conclusions and recommendations may be necessary.

Copying of this report is not permitted without the expressed permission of BC Gas Utility Ltd. and MECI.

We trust this is sufficient for your current requirements. Should you have any questions or concerns, please do not hesitate to contact the undersigned.

S.D. Bond, P.Eng.

MORROW ENVIRONMENTAL CONSULTANTS INC.

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Tables:

- 1: Summary of Analytical Results for Hydrocarbons in Soil
- 2: Summary of Analytical Results for PAHs in Soil
- 3: Summary of Analytical Results for Polychlorinated Biphenyls in Soil
- 4: Summary of Analytical Results for Metals in Soil

Appendices:

- I Drawing V8-195-008 – Test Pit Locations, New Pipe Storage Area
- II Test Pit Logs
- III Analytical Laboratory Reports

cc: Mr. Clay Rouse, BC Gas Utility Ltd., Vancouver, BC

TABLES

TABLE 1: Summary of Analytical Results for Hydrocarbons in Soil

Sample Location	Sample ID	Sample Date	Depth Interval (m)	Field Screen ¹ (ppm)	Monocyclic Aromatic Hydrocarbons				Gross Parameters		
					Benzene	Ethyl-benzene	Toluene	Xylenes	VPH ²	LEPH ² (C10-C19)	HEPH ² (C20-C31)
TP-99-52	TP-99-52-2 990301	1999 03 01	0.4 - 0.5	18	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 250	< 250
TP-99-53	TP-99-53-2 990301	1999 03 01	0.75	16	-	-	-	-	-	< 250 ³	< 250 ³
TP-99-54	TP-99-54-1 990301	1999 03 01	0.15 - 0.2	24	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 250	< 250
TP-99-59	TP-99-59-1 990301	1999 03 01	0.15 - 0.2	14	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 250 ³	1,300 ³
TP-99-61	TP-99-61-2 990301	1999 03 01	0.4 - 0.5	50	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 250 ³	< 250 ³
TP-99-64	TP-99-64-2 990302	1999 03 02	0.45	47	< 0.5	< 0.5	< 0.5	< 0.5	< 10	< 250 ³	< 250 ³
BC Standards											
Residential Land Use ^{2,4}					8	5	3	5	200	1,000	1,000
Commercial Land Use ^{2,4}					8	50	30	50	200	2,000	5,000
Industrial Land Use ^{2,4}					8	50	30	50	200	2,000	5,000

Analytical results expressed in milligrams per kilogram (mg/kg) of dry sediment. Associated CanTest files: 9030204, 9030312.

BOLD	Concentration greater than or equal to Residential Land Use standard.
SHADOW	Concentration greater than or equal to Commercial Land Use standard.
INVERSE	Concentration greater than or equal to Industrial Land Use standard.

- < Denotes concentration less than indicated detection limit.
- Denotes analysis not conducted.

- ¹ Field screening results are measured based on a 'dry headspace' method using a combustible gas meter calibrated to a hexane standard.
- ² Term(s) defined within the body of MECI's report.
- ³ LEPH and HEPH concentrations have not been corrected for the presence of PAHs, if any.
- ⁴ The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil; toxicity to soil invertebrates and plants; and groundwater flow to surface water used by aquatic life (whichever is most stringent).

TABLE 2: Summary of Analytical Results for PAHs in Soil

Sample Location Sample ID Depth (m) Date Parameter	TP-99-52 TP-99-52-2-990301 0.4 - 0.5 1999 03 01	TP-99-54 TP-99-54-1-990301 0.15 - 0.2 1999 03 01	BC Standards		
			Residential Land Use ^{1,2}	Commercial Land Use ^{1,2}	Industrial Land Use ^{1,2}
Acenaphthene	< 0.05	< 0.05	n/a	n/a	n/a
Acenaphthylene	< 0.05	< 0.05	n/a	n/a	n/a
Anthracene	< 0.05	< 0.05	n/a	n/a	n/a
Benz(a)anthracene	< 0.05	< 0.05	1	10	10
Benzo(a)pyrene	< 0.05	< 0.05	1	10	10
Benzo(b)fluoranthene	< 0.05	< 0.05	1	10	10
Benzo(g,h,i)perylene	< 0.05	< 0.05	n/a	n/a	n/a
Benzo(k)fluoranthene	< 0.05	< 0.05	1	10	10
Chrysene	< 0.05	< 0.05	n/a	n/a	n/a
Dibenz(a,h)anthracene	< 0.05	< 0.05	1	10	10
Fluoranthene	< 0.05	< 0.05	n/a	n/a	n/a
Fluorene	< 0.05	< 0.05	n/a	n/a	n/a
Indeno[1,2,3-c,d]pyrene	< 0.05	< 0.05	1	10	10
Naphthalene	< 0.05	< 0.05	5	50	50
Phenanthrene	< 0.05	< 0.05	5	50	50
Pyrene	< 0.05	< 0.05	10	100	100

Analytical results expressed in milligrams per kilogram (mg/kg) of dry sediment. Associated CanTest file: 9030204.

< Denotes concentration less than indicated detection limit.

n/a Denotes no applicable standard.

BOLD	Concentration greater than or equal to Residential Land Use standard.
SHADOW	Concentration greater than or equal to Commercial Land Use standard.
INVERSE	Concentration greater than or equal to Industrial Land Use standard.

¹ Term(s) defined within the body of MECI's report.

² The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil; toxicity to soil invertebrates and plants; and groundwater flow to surface water used by aquatic life (whichever is most stringent).

TABLE 3: Summary of Analytical Results for Polychlorinated Biphenyls in Soil

Parameter	Sample Location Sample ID Depth (m) Date	TP-99-54	TP-99-64	BC Standards		
		TP-99-54-1 990301 0.15 - 0.2 1999 03 01	TP-99-64-2 990302 0.45 1999 03 02	Residential Land Use ^{1,2}	Commercial Land Use ^{1,2}	Industrial Land Use ^{1,2}
Arochlor 1242		< 0.03	< 0.03	5	15	50
Arochlor 1248		< 0.03	< 0.03	5	15	50
Arochlor 1254		< 0.03	< 0.03	5	15	50
Arochlor 1260		< 0.03	< 0.03	5	15	50

Analytical results expressed in milligrams per kilogram (mg/kg) of dry sediment. Associated CanTest files: 9030204, 9030312.

< Denotes concentration less than indicated detection limit.

BOLD	Concentration greater than or equal to Residential Land Use standard.
SHADOW	Concentration greater than or equal to Commercial Land Use standard.
INVERSE	Concentration greater than or equal to Industrial Land Use standard.

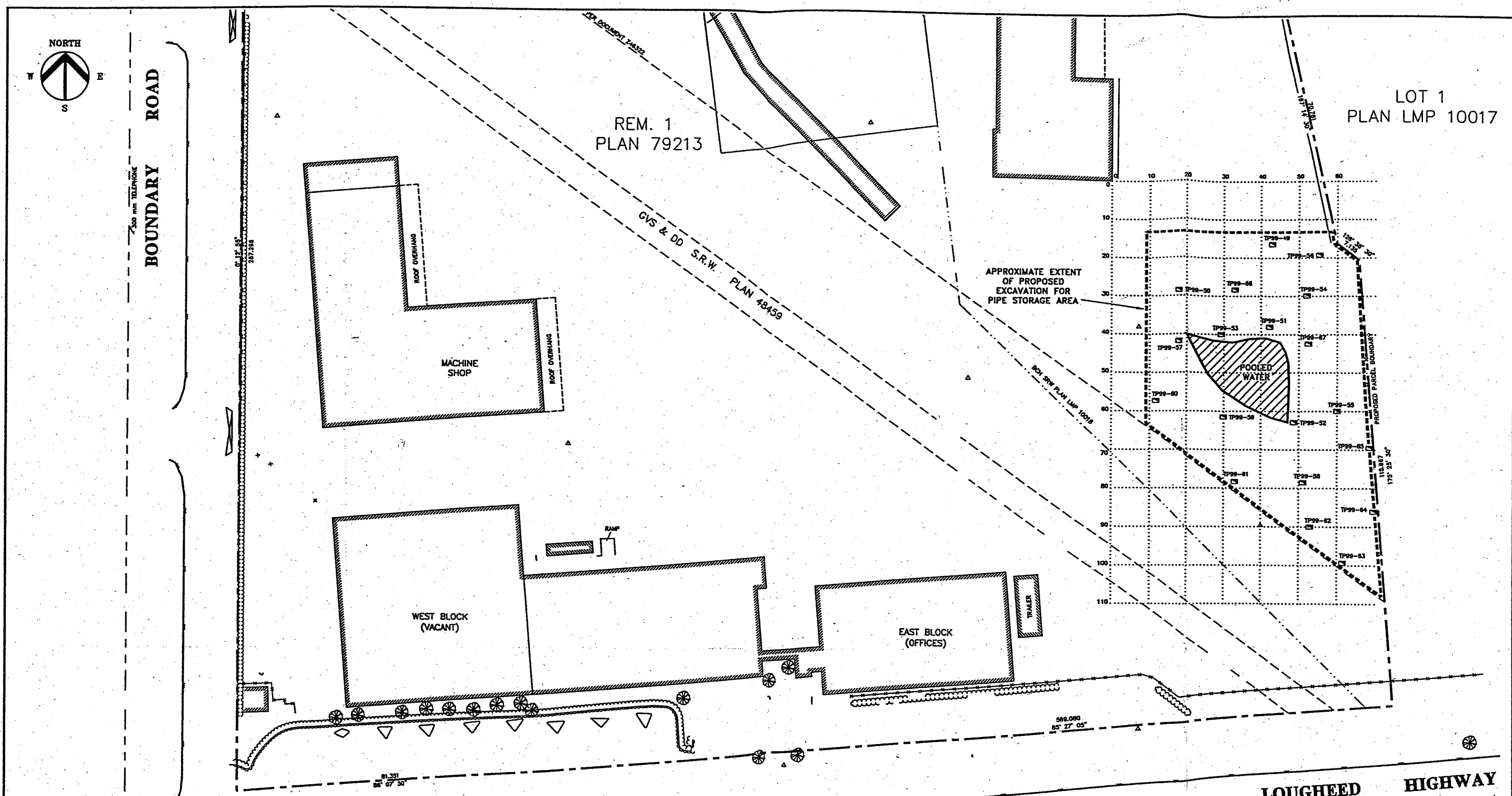
¹ Term(s) defined within the body of MECI's report.

² The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil; toxicity to soil invertebrates and plants; and groundwater flow to surface water used by aquatic life (whichever is most stringent).

APPENDIX I

Drawing

V8-195-008 – Test Pit Locations, New Pipe Storage Area



LEGEND

--- PROPERTY LINE

□ TEST PIT

NOTES

REVISIONS

REV.	DATE	DESCRIPTION	BY	CHK
0	99-04-27	ISSUED TO CLIENT	CPW	SB

MORROW ENVIRONMENTAL CONSULTANTS INC.

SCALE: 1:1000	APPROVED BY:	DRAWN BY: CPW
DATE: 99 04 23	MECH:	CHECKED: SDB
CLIENT NAME: BC GAS UTILITY LTD.		PROJECT LOCATION: 3777 LOUGHEED HIGHWAY BURNABY, BC

**TEST PIT LOCATIONS
NEW PIPE STORAGE AREA**

CADFILE: V8195R00	PLOTTED: 19990316.1139	DWG No: V8-195-008	REV.: 0
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TABLE 4: Summary of Analytical Results for Metals in Soil

Parameter	Location	TP-99-50	TP-99-52	TP-99-52	TP-99-53	TP-99-54	TP-99-56	TP-99-57	BC Standards		
	Sample ID Depth (m) Date	TP-99-50-1-990301 0.15 - 0.2 1999 03 01	TP-99-52-2-990301 0.4 - 0.5 1999 03 01	TP-99-52-3-990301 1.1 1999 03 01	TP-99-53-3-990301 0.1 - 0.2 1999 03 01	TP-99-54-1-990301 0.15 - 0.2 1999 03 01	TP-99-56-1-990301 0.1 - 0.2 1999 03 01	TP-99-57-1-990301 0.2 - 0.25 1999 03 01	Residential Land Use ^{1,2}	Commercial Land Use ^{1,2}	Industrial Land Use ^{1,2}
Conventional Parameters											
pH		7.5	7.3	7.6	7.2	7.9	8.5	8.4	n/a	n/a	n/a
Total Metals											
Antimony		< 10	< 10	< 10	< 10	< 10	< 10	< 10	20	40	40
Arsenic		< 10	< 10	< 10	< 10	< 10	< 10	< 10	35	60	60
Barium		20	63	74	78	124	42	45	500	2,000	2,000
Beryllium		< 1	< 1	< 1	< 1	< 1	< 1	< 1	4	8	8
Cadmium									1.5 (pH<6.0)	1.5 (pH<6.0)	1.5 (pH<6.0)
									8 (pH 6.5-<7.0)	8 (pH 6.5-<7.0)	8 (pH 6.5-<7.0)
			< 0.3		0.7				35 (pH≥7.0)	45 (pH 7.0-<7.5)	45 (pH 7.0-<7.5)
		< 0.3		< 0.3		< 0.3				100 (pH≥7.5)	650 (pH 7.5-<8.0)
						< 0.3	< 0.3				700 (pH≥8.0)
Chromium		22	15	16	20	26	10	12	60	60	60
Cobalt		2	4	5	4	8	4	3	50	300	300
Copper									100 (pH 5.0-<5.5)	100 (pH 5.0-<5.5)	100 (pH 5.0-<5.5)
									150 (pH≥5.5)	200 (pH 5.5-<6.0)	200 (pH 5.5-<6.0)
		14	12	15	58	26	13	14		250 (pH≥6.0)	250 (pH≥6.0)
Lead									150 (pH<5.5)	150 (pH<5.5)	150 (pH<5.5)
									250 (pH 5.5-<6.0)	250 (pH 5.5-<6.0)	250 (pH 5.5-<6.0)
		45	< 30	< 30	260	< 30	< 30	< 30	500 (pH≥6.0)	1,000 (pH≥6.0)	2,000 (pH≥6.0)
Mercury		0.02	0.009	0.01	0.02	0.01	0.003	0.009	2	10	10
Molybdenum		< 4	< 4	< 4	< 4	< 4	< 4	< 4	10	40	40
Nickel		9	6	7	6	13	5	6	100	500	500
Selenium		< 3	< 3	< 3	< 3	< 3	< 3	< 3	3	10	10
Silver		< 2	< 2	< 2	< 2	< 2	< 2	< 2	20	40	40
Tin		< 5	< 5	< 5	5	< 5	< 5	< 5	50	300	300
Vanadium		14	47	44	33	78	34	30	200	n/a	n/a
Zinc									150 (pH<6.0)	150 (pH<6.0)	150 (pH<6.0)
									450 (pH≥6.5)	550 (pH 6.5-<7.0)	550 (pH 6.5-<7.0)
		32	22	34	84	58	27	30		600 (pH≥7.0)	600 (pH≥7.0)

Analytical results expressed in milligrams per kilogram (mg/kg) of dry sediment. Associated CanTest files: 9030204, 9030312.

< Denotes concentration less than indicated detection limit.
n/a Denotes no applicable standard.

BOLD	Concentration greater than or equal to Residential Land Use standard.
SHADOW	Concentration greater than or equal to Commercial Land Use standard.
INVERSE	Concentration greater than or equal to Industrial Land Use standard.

¹ Term(s) defined within the body of MECI's report.
² The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil; toxicity to soil invertebrates and plants; and groundwater flow to surface water used by aquatic life (whichever is most stringent).

TABLE 4 (Cont'd): Summary of Analytical Results for Metals in Soil

Parameter	Location Sample ID Depth (m) Date	TP-99-59 TP-99-59-1-990301 0.15 - 0.2 1999 03 01	TP-99-59 TP-99-59-4-990301 0.15 - 0.2 1999 03 01 duplicate of TP-99-59-1	TP-99-60 TP-99-60-1-990301 0.15 1999 03 01	TP-99-62 TP-99-62-1-990301 0 - 0.2 1999 03 01	TP-99-63 TP-99-63-2-990302 0.5 1999 03 02	TP-99-64 TP-99-64-1-990302 0.1 - 0.15 1999 03 02	TP-99-66 TP-99-66-1-990302 0 - 0.1 1999 03 02	TP-99-67 TP-99-67-1-990302 0.2 - 0.25 1999 03 02	BC Standards		
										Residential Land Use ^{1,2}	Commercial Land Use ^{1,2}	Industrial Land Use ^{1,2}
Conventional Parameters												
pH		8.0	7.4	5.2	5.5	6.9	6.6	7.5	7.1	n/a	n/a	n/a
Total Metals												
Antimony		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	20	40	40
Arsenic		< 10	< 10	< 10	< 10	< 10	< 10	< 10	< 10	35	60	60
Barium		101	38	64	86	46	36	52	40	500	2,000	2,000
Beryllium		< 1	< 1	< 1	< 1	< 1	< 1	< 1	< 1	4	8	8
Cadmium				< 0.3	0.4					1.5 (pH<6.0)	1.5 (pH<6.0)	1.5 (pH<6.0)
						< 0.3	< 0.3			8 (pH 6.5-<7.0)	8 (pH 6.5-<7.0)	8 (pH 6.5-<7.0)
			0.3						< 0.3	35 (pH≥7.0)	45 (pH 7.0-<7.5)	45 (pH 7.0-<7.5)
								< 0.3			100 (pH≥7.5)	650 (pH 7.5-<8.0)
		0.8										700 (pH≥8.0)
Chromium		25	23	20	25	10	12	16	15	60	60	60
Cobalt		9	4	6	9	4	3	4	4	50	300	300
Copper				19						100 (pH 5.0-<5.5)	100 (pH 5.0-<5.5)	100 (pH 5.0-<5.5)
					23					150 (pH≥5.5)	200 (pH 5.5-<6.0)	200 (pH 5.5-<6.0)
		43	23			12	12	17	12		250 (pH≥6.0)	250 (pH≥6.0)
Lead				< 30						150 (pH<5.5)	150 (pH<5.5)	150 (pH<5.5)
					< 30					250 (pH 5.5-<6.0)	250 (pH 5.5-<6.0)	250 (pH 5.5-<6.0)
		44	< 30			< 30	< 30	< 30	< 30	500 (pH≥6.0)	1,000 (pH≥6.0)	2,000 (pH≥6.0)
Mercury		0.01	0.01	0.03	0.03	0.004	0.009	0.02	0.009	2	10	10
Molybdenum		< 4	< 4	< 4	< 4	< 4	< 4	< 4	< 4	10	40	40
Nickel		15	11	12	15	4	5	9	6	100	500	500
Selenium		< 3	< 3	< 3	< 3	< 3	< 3	< 3	< 3	3	10	10
Silver		< 2	< 2	< 2	< 2	< 2	< 2	< 2	< 2	20	40	40
Tin		< 5	< 5	< 5	< 5	< 5	< 5	< 5	< 5	50	300	300
Vanadium		71	29	36	41	33	23	30	32	200	n/a	n/a
Zinc				35	142					150 (pH<6.0)	150 (pH<6.0)	150 (pH<6.0)
						22	27			450 (pH≥6.5)	550 (pH 6.5-<7.0)	550 (pH 6.5-<7.0)
		81	42					46	38		600 (pH≥7.0)	600 (pH≥7.0)

Analytical results expressed in milligrams per kilogram (mg/kg) of dry sediment. Associated CanTest files: 9030204, 9030312.

< Denotes concentration less than indicated detection limit.
n/a Denotes no applicable standard.

BOLD	Concentration greater than or equal to Residential Land Use standard.
SHADOW	Concentration greater than or equal to Commercial Land Use standard.
INVERSE	Concentration greater than or equal to Industrial Land Use standard.

¹ Term(s) defined within the body of MECI's report.
² The site-specific factors used for determining the matrix standards for this site include: intake of contaminated soil; toxicity to soil invertebrates and plants; and groundwater flow to surface water used by aquatic life (whichever is most stringent).

APPENDIX II

Test Pit Logs

TEST PIT LOGS

Client: BC Gas Utilities Ltd.
Location: Lochburn facility, 3777 Lougheed Highway, Burnaby, BC

Project Number: V8-195

Test Pit 99-49

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.35	SAND (FILL), medium to coarse grained, some gravel, cobbles, grey, damp to moist, stiff - (0.15 - 0.35) brown	TP-99-49-1	0.05 - 0.1	9	-
0.35 - 0.65	SILT (TILL), some gravel, cobbles, light brown, damp, stiff	TP-99-49-2	0.4 - 0.5	18	-
0.65 - 1.15	SILT (TILL), some gravel, cobbles, grey, damp, stiff	TP-99-49-3	1.15	6	-

End of Test Pit at 1.15 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

Test Pit 99-50

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.2	SAND (FILL), medium to coarse grained, some gravel, cobbles, grey, damp to moist, stiff - (0.18 - 0.2) darker brown lense	TP-99-50-1	0.15 - 0.2	7	Metals
0.2 - 1.0	SILT (TILL), some gravel, cobbles, light brown, slightly mottled red, damp, stiff	TP-99-50-2	0.5	6	-
		TP-99-50-3	1.0	2	-

End of Test Pit at 1.0 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

Test Pit 99-51

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.15	GRAVEL, some silt, some medium grained sand, light grey, dry, stiff	TP-99-51-4	0 - 0.15	2	-
0.15 - 0.35	SAND (FILL), medium to coarse grained, some gravel, cobbles, grey, damp to moist, stiff	TP-99-51-1	0.25 - 0.3	9	-
0.35 - 1.1	SILT (TILL), some gravel, cobbles, grey, damp, stiff - (0.35 - 0.65) light brown	TP-99-51-2	0.7	10	-
		TP-99-51-3	1.1	3	-

End of Test Pit at 1.1 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

Test Pit 99-52

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.05	GRAVEL, some silt, some medium grained sand, light grey, dry, stiff				
0.05 - 0.35	SAND (FILL), medium to coarse grained, some gravel, cobbles, grey, damp to moist, stiff - (0.05 - 0.09) darker brown	TP-99-52-4	0.05 - 0.09	0	-
		TP-99-52-1	0.3	8	-
0.35 - 0.6	SAND, medium grained, some gravel, possible grey stained, moist	TP-99-52-2	0.4 - 0.5	18	BETX, VPH, EPH, PAH, Metals
		TP-99-52-5	0.4 - 0.5	28	-
0.6 - 1.1	SILT (TILL), some gravel, cobbles, light brown, mottled red, damp, stiff	TP-99-52-3	1.1	30	Metals

End of Test Pit at 1.1 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

(dup) Denotes blind duplicate; BETX = Benzene, Ethylbenzene, Toluene, Xylenes; VPH = Volatile Petroleum Hydrocarbons; EPH = Extractable Petroleum Hydrocarbons; PAHs = Polycyclic Aromatic Hydrocarbons; PCBs = Polychlorinated Biphenyls

TEST PIT LOGS

Client: BC Gas Utilities Ltd.
Location: Lochburn facility, 3777 Lougheed Highway, Burnaby, BC

Project Number: V8-195

Test Pit 99-53

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.1	GRAVEL, some silt, some medium grained sand, light grey, dry, stiff				
0.1 - 0.2	SAND (FILL), medium to coarse grained, some gravel, cobbles, grey, damp to moist, stiff - (0.1 - 0.13) darker brown	TP-99-53-3	0.1 - 0.2	7	Metals
0.2 - 1.2	SILT (TILL), some gravel, cobbles, grey, damp, stiff	TP-99-53-2	0.75	16	EPH
		TP-99-53-1	1.2	18	-

End of Test Pit at 1.2 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

Test Pit 99-54

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.3	SAND (FILL), medium to coarse grained, some gravel, cobbles, grey, damp to moist, stiff - (0.15 - 0.2) darker brown	TP-99-54-1	0.15 - 0.2	24	BETX, VPH, EPH, PAH, Metals, PCB
0.3 - 0.6	SILT (TILL), some gravel, cobbles, grey, damp, stiff (except for east side of TP, cobbles and gravel)	TP-99-54-2	0.3	22	-
		TP-99-54-3	0.6	6	-

End of Test Pit at 0.6 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

Test Pit 99-55

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.07	GRAVEL, some silt, some medium grained sand, light grey, dry, stiff				
0.07 - 0.25	SAND (FILL), medium to coarse grained, some gravel, cobbles, grey, damp to moist, stiff - (0.07 - 0.1) dark brown	TP-99-55-1	0.07 - 0.1	26	-
		TP-99-55-4	0.07 - 0.1	26	-
0.25 - 0.40	SILT (TILL), some gravel, cobbles, grey, damp, stiff	TP-99-55-2	0.3	24	-
0.4 - 0.75	SILT (TILL), some gravel, cobbles, light brown, damp, stiff	TP-99-55-3	0.75	34	-

End of Test Pit at 0.75 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

Test Pit 99-56

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.05	GRAVEL, some silt, some medium grained sand, light grey, dry, stiff				
0.05 - 0.3	SAND (FILL), medium to coarse grained, some gravel, cobbles, grey, damp to moist, stiff	TP-99-56-1	0.1 - 0.2	4	Metals
0.3 - 0.8	SILT (TILL), some gravel, cobbles, grey, damp, stiff - (0.3 - 0.55) light brown	TP-99-56-2	0.4 - 0.5	10	-
		TP-99-56-3	0.8	6	-

End of Test Pit at 0.8 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

(dup) Denotes blind duplicate; BETX = Benzene, Ethylbenzene, Toluene, Xylenes; VPH = Volatile Petroleum Hydrocarbons;
 EPH = Extractable Petroleum Hydrocarbons; PAHs = Polycyclic Aromatic Hydrocarbons; PCBs = Polychlorinated Biphenyls

TEST PIT LOGS

Client: BC Gas Utilities Ltd.
Location: Lochburn facility, 3777 Lougheed Highway, Burnaby, BC

Project Number: V8-195

Test Pit 99-57

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.3	SAND (FILL), medium to coarse grained, some gravel, cobbles, grey, damp to moist, stiff	TP-99-57-1	0.2 - 0.25	20	Metals
		TP-99-57-4 (dup)	0.2 - 0.25	20	-
0.3 - 0.8	SILT (TILL), some gravel, cobbles, light brown, damp, stiff	TP-99-57-2	0.4 - 0.45	38	-
		TP-99-57-3	0.8	20	-

End of Test Pit at 0.8 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

Test Pit 99-58

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.15	GRAVEL, some silt, some medium grained sand, light grey, dry, stiff				
0.15 - 0.35	SAND (FILL), medium to coarse grained, some gravel, cobbles, grey, damp to moist, stiff	TP-99-58-1	0.25 - 0.3	20	-
0.35 - 0.7	PEAT, some silt some organics (rootlets, tree debris), dark brown, wet, soft	TP-99-58-2	0.4 - 0.5	38	-
0.7 - 1.0	SILT, trace clay, moist to wet, soft, trace organics (rootlets)	TP-99-58-3	1.0	94	-

End of Test Pit at 1.0 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

Test Pit 99-59

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.15	GRAVEL, some silt, some medium grained sand, light grey, dry, stiff				
0.15 - 0.35	SAND (FILL), medium to coarse grained, some gravel, cobbles, grey, damp to moist, stiff	TP-99-59-1	0.15 - 0.2	14	BETX, VPH, EPH, Metals
	- (0.15 - 0.2) dark brown	TP-99-59-4 (dup)	0.15 - 0.2	14	Metals
0.35 - 0.45	SILT (TILL), some gravel, cobbles, grey, mottled red, damp, stiff	TP-99-59-2	0.4	14	-
0.45 - 0.8	SILT (TILL), some gravel, cobbles, light brown, damp, stiff	TP-99-59-3	0.8	19	-

End of Test Pit at 0.8 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

Test Pit 99-60

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.3	SILT (TILL), some gravel, cobbles, trace fine grained sand, grey, mottled red, damp, stiff, trace organics	TP-99-60-1	0.15	15	Metals
0.3 - 0.9	SILT (TILL), some gravel, cobbles, grey, mottled red, damp, stiff	TP-99-60-2	0.35	24	-
		TP-99-60-3	0.9	40	-

End of Test Pit at 0.9 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

(dup) Denotes blind duplicate; BETX = Benzene, Ethylbenzene, Toluene, Xylenes; VPH = Volatile Petroleum Hydrocarbons; EPH = Extractable Petroleum Hydrocarbons; PAHs = Polycyclic Aromatic Hydrocarbons; PCBs = Polychlorinated Biphenyls

TEST PIT LOGS

Client: BC Gas Utilities Ltd.
Location: Lochburn facility, 3777 Lougheed Highway, Burnaby, BC

Project Number: V8-195

Test Pit 99-61

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.3	SAND (FILL), medium to coarse grained, some gravel, cobbles, grey, damp to moist, stiff - (0 - 0.2) trace organics	TP-99-61-1	0.1 - 0.2	2	-
		TP-99-61-4 (dup)	0.1 - 0.2	2	-
0.3 - 0.7	SILT, some organics (rootlets, tree debris), trace peat, trace fine grained sand, brown, moist to wet	TP-99-61-2	0.4 - 0.5	50	BETX, VPH, EPH
0.7 - 0.9	SILT (TILL), some gravel, cobbles, grey, damp, stiff - (0.75 - 0.9) reddish brown	TP-99-61-3	0.9	46	-

End of Test Pit at 0.9 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

Test Pit 99-62

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.2	SILT, some organics (rootlets, tree debris), trace peat, trace fine grained sand, brown, moist to wet	TP-99-62-1	0 - 0.2	2	Metals
0.2 - 1.0	SILT (TILL), some gravel, cobbles, grey, damp, stiff, trace organics, trace oxidation	TP-99-62-2	0.4 - 0.5	23	-
		TP-99-62-3	1.0	35	-

End of Test Pit at 1.0 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

Test Pit 99-63

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.4	SILT, some organics (rootlets, tree debris), trace peat, trace fine grained sand, brown, moist to wet - (0 - 0.3) damp	TP-99-63-1	0.25	8	-
0.4 - 0.65	SAND (FILL), medium grained, trace gravel, light brown, moist, loose	TP-99-63-2	0.5	12	Metals
0.65 - 0.75	SILT, some organics (rootlets, tree debris), trace peat, trace fine grained sand, brown, moist to wet	TP-99-63-3	0.75	36	-

End of Test Pit at 0.75 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

Test Pit 99-64

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.15	SILT, some organics (rootlets, tree debris), trace fine grained sand, brown, damp	TP-99-64-1	0.1 - 0.15	18	Metals
0.15 - 0.4	DRAIN ROCK and SILT, some fine grained sand, trace gravel, trace oxidation, medium stiff, damp				
0.4 - 0.65	SILT, some fine grained sand, trace gravel, trace oxidation, medium stiff, damp	TP-99-64-2	0.45	47	EPH, PCBs, BETX, VPH
0.65 - 0.9	TREE DEBRIS, trace silt, dark brown, moist to wet, organic odour	TP-99-64-3	0.9	48	-
		TP-99-64-4 (dup)	0.9	48	-

End of Test Pit at 0.9 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

(dup) Denotes blind duplicate; BETX = Benzene, Ethylbenzene, Toluene, Xylenes; VPH = Volatile Petroleum Hydrocarbons; EPH = Extractable Petroleum Hydrocarbons; PAHs = Polycyclic Aromatic Hydrocarbons; PCBs = Polychlorinated Biphenyls

TEST PIT LOGS

Client: BC Gas Utilities Ltd.
Location: Lochburn facility, 3777 Lougheed Highway, Burnaby, BC

Project Number: V8-195

Test Pit 99-65

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.1	GRAVEL, some silt, some medium grained sand, light grey, dry, stiff				
0.1 - 0.9	SILT, trace organics (rootlets), brown, slightly reddish, moist - (0.7 - 0.9) orange to light brown, wet	TP-99-65-1	0.2 - 0.25	6	-
		TP-99-65-2	0.5	28	-
		TP-99-65-3	0.9	38	-

End of Test Pit at 0.9 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

Test Pit 99-66

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.3	SAND (FILL), medium to coarse grained, some gravel, cobbles, grey, damp to moist, stiff - (0 - 0.1) darker brown	TP-99-66-1	0 - 0.1	4	Metals
0.3 - 0.55	SILT (TILL), some gravel, cobbles, grey, damp, stiff - (0.4 - 0.55) moist	TP-99-66-2	0.3	8	-
		TP-99-66-3	0.45 - 0.55	24	-

End of Test Pit at 0.55 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

Test Pit 99-67

Depth (m)	Stratigraphy Description	Sample Identification	Sample Depth (m)	Vapour Conc. (ppm)	Analyses Requested
0 - 0.05	ASPHALT				
0.05 - 0.15	GRAVEL, some silt, some medium grained sand, light grey, dry, stiff				
0.15 - 0.3	SAND (FILL), medium to coarse grained, some gravel, cobbles, grey, damp to moist, stiff, trace oxidation	TP-99-67-1	0.2 - 0.25	10	Metals
0.3 - 0.8	SILT (TILL), some gravel, cobbles, grey, damp, stiff - (0.3 - 0.5) blue-grey	TP-99-67-2	0.4 - 0.5	23	-
		TP-99-67-4 (dup)	0.4 - 0.5	23	-
		TP-99-67-3	0.8	18	-

End of Test Pit at 0.8 m

Date of Excavation: 1999 03 01

Location: New Pipe Storage Area

Logged by: AMB

(dup) Denotes blind duplicate; BETX = Benzene, Ethylbenzene, Toluene, Xylenes; VPH = Volatile Petroleum Hydrocarbons; EPH = Extractable Petroleum Hydrocarbons; PAHs = Polycyclic Aromatic Hydrocarbons; PCBs = Polychlorinated Biphenyls

APPENDIX III

Analytical Laboratory Reports

Analysis Report

CANTEST

CanTest Ltd

Professional
Analytical
Services

REPORT ON: Analysis of Soil Samples

REPORTED TO: Morrow Environmental Consultants Inc.
5151 Canada Way
Burnaby, B.C.
V5E 3N1

1523 West 3rd Ave
Vancouver, BC
V6J 1J8

Fax: 604 731 2386

Tel: 604 734 7276

1 800 665 8566

Att'n: Ms. Sharon Bond

MORROW ENVIRONMENTAL
CONSULTANTS INC.

CHAIN OF CUSTODY: 2985, 2986, 2987, 2988
PROJECT NAME: BC Gas 3777 Lougheed, Burnaby
PROJECT NUMBER: V8-195

NUMBER OF SAMPLES: 13

REPORT DATE: March 5, 1999

DATE SUBMITTED: March 1, 1999

GROUP NUMBER: 9030204

SAMPLE TYPE: Soil

TEST METHODS:

Volatile Petroleum Hydrocarbons in Soil (VPH-GNS) - analysis was performed using a draft methanol extraction-purge and trap-GC/FID procedure specified by the B.C. MOELP. The VPH compounds elute between n-pentane (n-C5) and n-undecane (n-C11). BTEX compounds are not included in the VPH result. VPH results produced by this method can be compared to Generic Numerical Standard (GNS) criteria.

Volatile Organic Compounds in Soil - analysis was performed using procedures based on U.S. EPA Methods 624/8240, involving methanol extraction, sparging/collection with a Purge and Trap apparatus and analysis using GC/MS.

Moisture in Soil - analysis was performed gravimetrically by heating a separate sample portion at 105 C and measuring the weight loss.

pH in Soil or Solid - analysis was performed based on procedures described in the Manual on Soil Sampling and Methods of Analysis, published by the Canadian Society of Soil Science, 1993. The test was performed using a deionized water leach with measurement by pH meter.

Extractable Petroleum Hydrocarbons in Water/Soil (LEPH/HEPH-GNS) - analysis was performed using a draft DCM extraction-GC/FID procedure specified by the B.C. MOELP. Compounds eluting between n-decane (n-C10) and n-nonadecane (n-C19) are defined as Light Extractable Petroleum Hydrocarbons (LEPH). Compounds eluting between n-nonadecane and n-dotriacontane (n-C32) are defined as Heavy Extractable Petroleum Hydrocarbons (HEPH). The results can be compared to Generic Numerical Standard (GNS) criteria. The report states if results were corrected for specified PAH's, & if silica gel cleanup was used.

Polynuclear Aromatic Hydrocarbons - analysis was performed using procedures based on U.S. EPA Methods

(Continued)

CANTEST LTD.

Richard S. Jornitz
Supervisor, Inorganic Testing



REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Polynuclear Aromatic Hydrocarbons

625/8270, involving extraction, clean-up steps, and analysis using GC/MS.

Polychlorinated Biphenyls - analysis was performed using procedures based upon U.S. EPA Methods 608/8080, involving extraction, clean-up steps, and analysis using GC/ECD. Aroclors 1242, 1248, 1254 and 1260 were included.

Arsenic in Soil - analysis was performed using Zeeman background-corrected Graphite Furnace Atomic Absorption Spectrophotometry.

Cadmium in Soil - analysis was performed using background-corrected Flame Atomic Absorption Spectrophotometry.

Mercury in Soil or Solids - analysis was performed using Cold Vapour Atomic Absorption Spectrophotometry.

Metals in Soil or Solid Samples - undried representative samples were digested with a mixture of nitric acid and hydrochloric acid-"Aqua Regia". Analysis was performed using Inductively Coupled Argon Plasma Spectroscopy (ICAP) or by specific techniques as described.

Selenium in Soil or Solids - analysis was performed using Zeeman background-corrected Graphite Furnace Atomic Absorption Spectrophotometry.

TEST RESULTS:

(See following pages)

REPORTED TO: Morrow Environmental Consultants Inc.

CANTEST

REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Conventional Parameters in Soil

CLIENT SAMPLE IDENTIFICATION:	SAMPLE DATE	CAN TEST ID	Moisture	pH
TP-99-50-1 990301	Mar 1/99	903020005	6.3	7.5
TP-99-52-2 990301	Mar 1/99	903020006	10.7	7.3
TP-99-52-3 990301	Mar 1/99	903020007	12.1	7.6
TP-99-53-2 990301	Mar 1/99	903020008	41.8	-
TP-99-53-3 990301	Mar 1/99	903020009	17.6	7.2
TP-99-54-1 990301	Mar 1/99	903020010	59.3	7.9
TP-99-56-1 990301	Mar 1/99	903020011	6.9	8.5
TP-99-57-1 990301	Mar 1/99	903020012	8.3	8.4
TP-99-59-1 990301	Mar 1/99	903020013	59.9	8.0
TP-99-59-4 990301	Mar 1/99	903020014	5.1	7.4
TP-99-60-1 990301	Mar 1/99	903020015	21.5	5.2
TP-99-61-2 990301	Mar 1/99	903020016	61.4	-
TP-99-62-1 990301	Mar 1/99	903020017	11.3	5.5
DETECTION LIMIT			0.1	0.1
UNITS			%	pH units

% = percent

REPORTED TO: Morrow Environmental Consultants Inc.

CANTEST

REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Polycyclic Aromatic Hydrocarbons in Soil

CLIENT SAMPLE IDENTIFICATION:	TP-99-52-2 990301	TP-99-54-1 990301	DETECTION LIMIT
DATE SAMPLED:	Mar 1/99	Mar 1/99	
CAN TEST ID:	903020006	903020010	
ANALYSIS DATE:	Mar 4/99	Mar 4/99	
Naphthalene	<	<	0.05
Acenaphthylene	<	<	0.05
Acenaphthene	<	<	0.05
Fluorene	<	<	0.05
Phenanthrene	<	<	0.05
Anthracene	<	<	0.05
Total LMW-PAH's			
Fluoranthene	<	<	0.05
Pyrene	<	<	0.05
Benzo(a)anthracene	<	<	0.05
Chrysene	<	<	0.05
Benzo(b)fluoranthene	<	<	0.05
Benzo(k)fluoranthene	<	<	0.05
Benzo(a)pyrene	<	<	0.05
Indeno(1,2,3-c,d)pyrene	<	<	0.05
Dibenz(a,h)anthracene	<	<	0.05
Benzo(g,h,i)perylene	<	<	0.05
Total HMW-PAH's			
Total PAH's			

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

< = Less than detection limit

REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Polychlorinated Biphenyls in Soil

CLIENT SAMPLE IDENTIFICATION:	TP-99-54-1 990301	
DATE SAMPLED:	Mar 1/99	
CAN TEST ID:	903020010	DETECTION LIMIT
Arochlor 1242	<	0.03
Arochlor 1248	<	0.03
Arochlor 1254	<	0.03
Arochlor 1260	<	0.03
Surrogate Recovery		
2,2',4,4',6,6'-hexabromobiphenyl	97	-

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

Surrogate recoveries expressed as percent (%)

< = Less than detection limit

REPORTED TO: Morrow Environmental Consultants Inc.

CANTEST

REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Extractable Petroleum Hydrocarbons in Soil

CLIENT SAMPLE IDENTIFICATION:	TP-99-52-2 990301	TP-99-53-2 990301	TP-99-54-1 990301	TP-99-59-1 990301	DETECTION LIMIT
DATE SAMPLED:	Mar 1/99	Mar 1/99	Mar 1/99	Mar 1/99	
CAN TEST ID:	903020006	903020008	903020010	903020013	
LEPH-uncorrected for PAH's	<	<	<	<	
HEPH-uncorrected for PAH's	<	<	<	1300	250
LEPH-corrected for PAH's	<	-	<	-	250
HEPH-corrected for PAH's	<	-	<	-	250

> R.L.

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

< = Less than detection limit

REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Extractable Petroleum Hydrocarbons in Soil

CLIENT SAMPLE IDENTIFICATION:	TP-99-61-2 990301	
DATE SAMPLED:	Mar 1/99	
CAN TEST ID:	903020016	DETECTION LIMIT
LEPH-uncorrected for PAH's	<	250
HEPH-uncorrected for PAH's	<	250

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)
< = Less than detection limit

REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Monocyclic Aromatic Hydrocarbons-Methanol Extraction- in Soil

CLIENT SAMPLE IDENTIFICATION:	TP-99-52-2 990301	TP-99-54-1 990301	TP-99-59-1 990301	TP-99-61-2 990301	DETECTION LIMIT
DATE SAMPLED:	Mar 1/99	Mar 1/99	Mar 1/99	Mar 1/99	
CAN TEST ID:	903020006	903020010	903020013	903020016	
ANALYSIS DATE:	Mar 2/99	Mar 2/99	Mar 2/99	Mar 2/99	
Benzene	<	<	<	<	
Ethylbenzene	<	<	<	<	0.5
Toluene	<	<	<	<	0.5
Xylenes	<	<	<	<	0.5
Volatile Pet. Hydrocarbons	<	<	<	<	10
Surrogate Recovery					
Toluene-d8	105	104	104	94	-
Bromofluorobenzene	93	91	93	85	-

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

Surrogate recoveries expressed as percent (%)

< = Less than detection limit

REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Metals Analysis in Soil

pH: 7.2

CLIENT SAMPLE IDENTIFICATION:		TP-99-50-1 990301	TP-99-52-2 990301	TP-99-52-3 990301	TP-99-53-3 990301	DETECTION LIMIT
DATE SAMPLED:		Mar 1/99	Mar 1/99	Mar 1/99	Mar 1/99	
CAN TEST ID:		903020005	903020006	903020007	903020009	
Antimony	Sb	<	<	<	<	10
Arsenic	As	<	<	<	<	10
Barium	Ba	20	63	74	78	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	<	<	0.7	0.3
Chromium	Cr	22	15	16	20	2
Cobalt	Co	2	4	5	4	1
Copper	Cu	14	12	15	58	1
Lead	Pb	45	<	<	260	30
Mercury	Hg	0.02	0.009	0.01	0.02	0.001
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	9	6	7	6	2
Selenium	Se	<	<	<	<	3
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	5	5
Vanadium	V	14	47	44	33	1
Zinc	Zn	32	22	34	84	1
Aluminum	Al	4060	13700	14000	8520	10
Boron	B	5	14	15	11	1
Calcium	Ca	58500	4270	4780	36000	1
Iron	Fe	6830	16300	17700	13900	2
Magnesium	Mg	2270	2990	4290	3750	0.1
Manganese	Mn	118	224	264	216	1
Phosphorus	PO4	598	1140	1210	971	20
Sodium	Na	199	255	347	411	5
Strontium	Sr	121	43	48	59	1
Titanium	Ti	132	620	418	302	1

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

< = Less than detection limit

REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Metals Analysis in Soil

CLIENT SAMPLE IDENTIFICATION:		TP-99-54-1 990301	TP-99-56-1 990301	TP-99-57-1 990301	TP-99-59-1 990301	DETECTION LIMIT
DATE SAMPLED:		Mar 1/99	Mar 1/99	Mar 1/99	Mar 1/99	
CAN TEST ID:		903020010	903020011	903020012	903020013	
Antimony	Sb	<	<	<	<	10
Arsenic	As	<	<	<	<	10
Barium	Ba	124	42	45	101	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	<	<	0.8	0.3
Chromium	Cr	26	10	12	25	2
Cobalt	Co	8	4	3	9	1
Copper	Cu	26	13	14	43	1
Lead	Pb	<	<	<	44	30
Mercury	Hg	0.01	0.003	0.009	0.01	0.001
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	13	5	6	15	2
Selenium	Se	<	<	<	<	3
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	78	34	30	71	1
Zinc	Zn	58	27	30	81	1
Aluminum	Al	18000	8970	8910	20600	10
Boron	B	28	12	11	26	1
Calcium	Ca	13100	3920	7940	8970	1
Iron	Fe	30500	13500	12200	29300	2
Magnesium	Mg	8860	3660	3380	7590	0.1
Manganese	Mn	576	213	190	469	1
Phosphorus	PO ₄	2580	947	859	2100	20
Sodium	Na	698	322	245	749	5
Strontium	Sr	65	26	30	58	1
Titanium	Ti	773	429	339	710	1

Results expressed as micrograms per gram, on a dry weight basis. (µg/g)

< = Less than detection limit

REPORTED TO: Morrow Environmental Consultants Inc.

CANTEST

REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Metals Analysis in Soil

CLIENT SAMPLE IDENTIFICATION:		TP-99-59-4 990301	TP-99-60-1 990301	TP-99-62-1 990301	DETECTION LIMIT
DATE SAMPLED:		Mar 1/99	Mar 1/99	Mar 1/99	
CAN TEST ID:		903020014	903020015	903020017	
Antimony	Sb	<	<	<	10
Arsenic	As	<	<	<	10
Barium	Ba	38	64	86	1
Beryllium	Be	<	<	<	1
Cadmium	Cd	0.3	<	0.4	0.3
Chromium	Cr	23	20	25	2
Cobalt	Co	4	6	9	1
Copper	Cu	23	19	23	1
Lead	Pb	<	<	<	30
Mercury	Hg	0.01	0.03	0.03	0.001
Molybdenum	Mo	<	<	<	4
Nickel	Ni	11	12	15	2
Selenium	Se	<	<	<	3
Silver	Ag	<	<	<	2
Tin	Sn	<	<	<	5
Vanadium	V	29	36	41	1
Zinc	Zn	42	35	142	1
Aluminum	Al	7530	20300	16900	10
Boron	B	10	15	15	1
Calcium	Ca	33800	2190	3150	1
Iron	Fe	11900	18200	19800	2
Magnesium	Mg	3740	4840	4520	0.1
Manganese	Mn	197	250	402	1
Phosphorus	PO ₄	858	935	940	20
Sodium	Na	351	163	232	5
Strontium	Sr	53	19	25	1
Titanium	Ti	295	402	404	1

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

< = Less than detection limit

REPORTED TO: Morrow Environmental Consultants Inc.

CANTEST

REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Batch Quality Control for Monocyclic Aromatic Hydrocarbons-Methanol Extraction- in Soil (QC# 9261)

Parameter	Duplicate (R.P.D.) 903020016	Duplicate Limits
Benzene	NC	20
Ethylbenzene	NC	20
Toluene	NC	20
Xylenes	NC	20
Volatile Pet. Hydrocarbons	NC	20

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Batch Quality Control for Extractable Petroleum Hydrocarbons in Soil (QC# 9242)

Parameter	Blank (ug/g)	Blank Limits	Duplicate (R.P.D.) 903010071	Duplicate Limits	Spike (% Recovery)	Spike Limits
LEPH-uncorrected for PAH's	< 250	250	NC	20	86	75 - 125
HEPH-uncorrected for PAH's	< 250	250	NC	20	-	-

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

REPORTED TO: Morrow Environmental Consultants Inc.

CANTEST

REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Batch Quality Control for Polycyclic Aromatic Hydrocarbons in Soil (QC# 41920)

Parameter	Blank (ug/g)	Blank Limits	Certified Standard (% Recovery)	Certified Standard Limits	Duplicate (R.P.D.)	Duplicate Limits
Naphthalene	< 0.05	0.05	67	57 - 111	NC	40
Acenaphthylene	< 0.05	0.05	57	45 - 135	NC	40
Acenaphthene	< 0.05	0.05	-	-	NC	40
Fluorene	< 0.05	0.05	-	-	NC	40
Phenanthrene	< 0.05	0.05	54	49 - 97	NC	40
Anthracene	< 0.05	0.05	58	54 - 129	NC	40
Fluoranthene	< 0.05	0.05	68	59 - 124	NC	40
Pyrene	< 0.05	0.05	48	46 - 84	NC	40
Benzo(a)anthracene	< 0.05	0.05	-	-	NC	40
Chrysene	< 0.05	0.05	59	53 - 114	NC	40
Benzo(b)fluoranthene	< 0.05	0.05	80	67 - 141	NC	40
Benzo(a)pyrene	< 0.05	0.05	-	-	NC	40
Indeno(1,2,3-c,d)pyrene	< 0.05	0.05	77	49 - 102	NC	40
Dibenz(a,h)anthracene	< 0.05	0.05	78	61 - 126	NC	40
Benzo(g,h,i)perylene	< 0.05	0.05	-	-	NC	40

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Batch Quality Control for Polychlorinated Biphenyls in Soil (QC# 41849)

Parameter	Blank (ug/g)	Blank Limits	Calibration Verification (% Recovery)	Calibration Verification Limits	Duplicate (R.P.D.)	Duplicate Limits
Arochlor 1242	< 0.03	0.03	-	-	NC	25
Arochlor 1248	< 0.03	0.03	-	-	NC	25
Arochlor 1254	< 0.03	0.03	-	-	NC	25
Arochlor 1260	< 0.03	0.03	93	75 - 120	NC	25

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

REPORTED TO: Morrow Environmental Consultants Inc.

CANTEST

REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Batch Quality Control for Polychlorinated Biphenyls in Soil (QC# 41849)

Parameter	Spike (% Recovery)	Spike Limits
Arochlor 1260	100	75 - 125

ug/g = micrograms per gram

REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Batch Quality Control for Metals Analysis in Soil (QC# 9268)

Parameter		Duplicate (R.P.D.) 902260179	Duplicate Limits	Duplicate (R.P.D.) 902260197	Duplicate Limits	Duplicate (R.P.D.) 903020005	Duplicate Limits
Antimony	Sb	-	-	-	-	NC	30
Arsenic	As	NC	30	NC	30	NC	30
Barium	Ba	-	-	-	-	25.6	30
Beryllium	Be	-	-	-	-	NC	30
Cadmium	Cd	NC	30	NC	30	NC	30
Chromium	Cr	-	-	-	-	9.5	30
Cobalt	Co	-	-	-	-	PASS	30
Copper	Cu	-	-	-	-	28.6	30
Mercury	Hg	9.5	30	0	30	21.1	30
Selenium	Se	NC	30	NC	30	NC	30
Silver	Ag	-	-	-	-	NC	30
Tin	Sn	-	-	-	-	NC	30
Vanadium	V	-	-	-	-	26.1	30
Zinc	Zn	-	-	-	-	18.2	30

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Batch Quality Control for Metals Analysis in Soil (QC# 9268)

Parameter		SRM 2711 Montana Soil (% Recovery)	SRM 2711 Montana Soil Limits
Barium	Ba	28	19 - 39
Copper	Cu	95	85 - 115
Lead	Pb	91	85 - 115
Nickel	Ni	81	71 - 111
Vanadium	V	66	57 - 97
Zinc	Zn	87	80 - 110
Aluminum	Al	33	30 - 46
Calcium	Ca	73	67 - 85
Iron	Fe	83	68 - 102
Magnesium	Mg	75	59 - 89
Manganese	Mn	80	74 - 98
Phosphorus	PO ₄	84	75 - 115
Sodium	Na	4	2 - 6
Strontium	Sr	21	10 - 34
Titanium	Ti	29	22 - 42

ug/g = micrograms per gram

REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030204

Batch Quality Control Frequency Summary

EPH (LEPH/HEPH)- Soil Prep (Batch# 9242)

QC Type	No. Samples
Blank	1
Duplicate	1
Spike	1
Batch Size	15

Volatiles Analysis (Batch# 9261)

QC Type	No. Samples
Duplicate	1
Volatiles Soil Spike	1
Batch Size	7

Soil Metals Preparation (Batch# 9268)

QC Type	No. Samples
SRM 2711 Montana Soil	1
Duplicate	3
Batch Size	27



5151 CANADA WAY
BURNABY, BC
CANADA V5E 3N1

PHONE: (604) 515-5151
FAX: (604) 515-5150

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

PAGE 1 OF 2

LABORATORY: <i>CANTEST.</i>		SAMPLING DATE:
ADDRESS: <i>1523 W 3rd Ave. Vancouver BC</i>		<i>99/03/01</i>
PROJECT MANAGER: <i>SHARON BOND</i>		SAMPLER NAME (PRINT):
MECI OFFICE LOCATION: <i>BURNABY BC</i>		<i>ALLISON BLACK</i>
MECI PROJECT ID (#):	PROJECT LOCATION:	
<i>V8-195</i>	<i>3777 Lougheed, Burnaby</i>	
CLIENT:	LOCATION CODE:	
<i>BC GAS</i>		

[illegible]

TAT 10 Days <input type="checkbox"/> 5 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 24 Hours <input type="checkbox"/>	SPECIAL DETECTION LIMITS AW - AQUATIC LIFE AG - AGRICULTURE LAND USE IL - INDUSTRIAL LAND USE DW - DRINKING WATER RL - RESIDENTIAL LAND USE SRA - SCHEDULE 7			LAB USE ONLY		
	SPECIAL REPORTING OR BILLING INSTRUCTIONS/NOTES					
	RELINQUISHED BY SAMPLER: <i>[Signature]</i>			DATE: 11/03/01	TIME: 5:30pm	RECEIVED BY:
	RELINQUISHED BY:			DATE:	TIME:	RECEIVED BY:
RELINQUISHED BY:			DATE:	TIME:	RECEIVED BY LABORATORY: <i>[Signature]</i>	



5151 CANADA WAY
BURNABY, BC
CANADA V5E 3N1

PHONE: (604) 515-5151
FAX: (604) 515-5150

CHAIN-OF-CUSTODY RECORD AND ANALYSIS REQUEST

PAGE 2 OF 4

LABORATORY: CANTEST		SAMPLING DATE: 99 03 01	
ADDRESS: 1323 W 3rd Ave, Vancouver BC		PROJECT MANAGER: Sharon Bond	
PROJECT MANAGER: Sharon Bond		SAMPLER NAME (PRINT): Allison Black	
MECI OFFICE LOCATION: BURNABY, BC.		MECI PROJECT ID (#): V8-195	
MECI PROJECT ID (#): V8-195		PROJECT LOCATION: 3777 Lougheed, Burnaby	
CLIENT: BC Gas		LOCATION CODE:	

FIELD SAMPLE ID	LABORATORY # (Lab Use Only)	SAMPLE TYPE	TYPE OF BOTTLES	PRESERVATION DETAILS	SAMPLING	
					TIME	HEADSPACE VAPOUR
TP-99-52-3-990301		SOIL	125 mL Teflon lined	Chilled on ice	AM	30
-52-4-					↓	0
-53-1-					PM	18
-53-2-						16
-53-3-						7
-54-1-						24
-54-2-						22
-54-3-						6
-55-1-						26
-55-2-						24
-55-3-						34
-55-4-						26

ANALYSIS REQUEST					
BTEX / VPH _____					
VOCs _____					
EPH _____					
LEPH/HEPH _____ PAHs _____					
Min O +G _____ SWOG _____					
METALS LEVEL _____ INCLUDING (pH)					
FIELD FILTERED YES / NO HARDNESS _____					
pH _____ CONDUCTIVITY _____ ALKALINITY _____					
TSS _____ TDS _____ TS _____					
MAJOR ANIONS					
TKN _____ AMMONIA _____					
NITRATE & NITRITE _____					
HOLD					

TAT 10 Days <input type="checkbox"/> 5 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 24 Hours <input type="checkbox"/>	SPECIAL DETECTION LIMITS AW - AQUATIC LIFE AG - AGRICULTURE LAND USE IL - INDUSTRIAL LAND USE DW - DRINKING WATER RL - RESIDENTIAL LAND USE SRA - SCHEDULE 7			LAB USE ONLY	
	SPECIAL REPORTING OR BILLING INSTRUCTIONS/NOTES				
	RELINQUISHED BY SAMPLER: <i>[Signature]</i> DATE: <i>7/03/01</i> TIME: <i>5:30 PM</i>			RECEIVED BY:	
	RELINQUISHED BY: DATE: TIME:			RECEIVED BY:	
Results Due CUSTODY RECORD	RELINQUISHED BY: DATE: TIME:			RECEIVED BY LABORATORY: <i>50 March 11/01</i>	

LABORATORY: CANTEST SAMPLING DATE: 99/03/01

ADDRESS: 1523 W3rd Ave.

PROJECT MANAGER: SHARON BOND SAMPLER NAME (PRINT): Allison Black

MECI OFFICE LOCATION: BURNABY BC

MECI PROJECT ID (#): V8-195 PROJECT LOCATION: 3777 Lougheed, Burnaby, BC

CLIENT: BC GAS LOCATION CODE:

FIELD SAMPLE ID	LABORATORY # (Lab Use Only)	SAMPLE TYPE	TYPE OF BOTTLES	PRESERVATION DETAILS	SAMPLING		BTEX / VPH	VOCs	EPH	LEPH/HEPH	PAHs	Min O + G	SWOG	METALS LEVEL INCLUDING (pH) FIELD FILTERED YES / NO HARDNESS	pH	CONDUCTIVITY	ALKALINITY	TSS	TDS	TS	MAJOR ANIONS	TKN	AMMONIA	NITRATE & NITRITE	HOLD
					TIME	HEADSPACE VAPOUR																			
7P-99-52-5-990301		SOIL	125mL Teflon lined	chilled ice	PM	280																			✓
-56-1-						9																			✓
-56-2-						10																			✓
-56-3-						10																			✓
-57-1-						20																			✓
-57-2-						38																			✓
-57-3-						20																			✓
-57-4-						20																			✓
-58-1-						20																			✓
-58-2-						380																			✓
-58-3-						94																			✓
-59-1						14																			✓

TAT

10 Days ☐

5 Days ☐

2 Days ☐

24 Hours ☐

SPECIAL DETECTION LIMITS

AW - AQUATIC LIFE AG - AGRICULTURE LAND USE IL - INDUSTRIAL LAND USE

DW - DRINKING WATER RL - RESIDENTIAL LAND USE SRA - SCHEDULE 7

SPECIAL REPORTING OR BILLING INSTRUCTIONS/NOTES

LAB USE ONLY

RECEIVED BY:

RECEIVED BY:

RECEIVED BY LABORATORY: SP. Merschle

Results Due

**CUSTODY
RECORD**

RELINQUISHED BY SAMPLER: [Signature] DATE: 99/03/01 TIME: 5:30pm

RELINQUISHED BY: DATE: TIME:

RELINQUISHED BY: DATE: TIME:

LABORATORY: CANTEST		CANADA VSE SNT FAX: (604) 515-5150	
ADDRESS: 1523 West 3rd Vancouver		SAMPLING DATE: 99/03/01	
PROJECT MANAGER: SHARON BOND		SAMPLER NAME (PRINT):	
MECI OFFICE LOCATION: BURNABY, BC		ALISON BLACK	
MECI PROJECT ID (#): V8-195		PROJECT LOCATION: 3777 Lougheed	
CLIENT: BC GAS		LOCATION CODE:	

[illegible]

TAT 62-3 SPECIAL DETECTION LIMITS 35
 10 Days ☐ AW - AQUATIC LIFE AG - AGRICULTURE LAND USE IL - INDUSTRIAL LAND USE
 DW - DRINKING WATER RL - RESIDENTIAL LAND USE SRA - SCHEDULE 7

5 Days ☐ SPECIAL REPORTING OR BILLING INSTRUCTIONS/NOTES

2 Days ☐

24 Hours ☐

CUSTODY RECORD	RELINQUISHED BY SAMPLER: <i>AS Blane</i>	DATE: <i>99/03/01</i>	TIME: <i>5:30pm</i>	RECEIVED BY:
	RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:
	RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY LABORATORY: <i>SD March 1/01</i>

REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030312

Polychlorinated Biphenyls

involving extraction, clean-up steps, and analysis using GC/ECD. Aroclors 1242, 1248, 1254 and 1260 were included.

Arsenic in Soil - analysis was performed using Zeeman background-corrected Graphite Furnace Atomic Absorption Spectrophotometry.

Cadmium in Soil - analysis was performed using background-corrected Flame Atomic Absorption Spectrophotometry.

Mercury in Soil or Solids - analysis was performed using Cold Vapour Atomic Absorption Spectrophotometry.

Metals in Soil or Solid Samples - undried representative samples were digested with a mixture of nitric acid and hydrochloric acid-"Aqua Regia". Analysis was performed using Inductively Coupled Argon Plasma Spectroscopy (ICAP) or by specific techniques as described.

Selenium in Soil or Solids - analysis was performed using Zeeman background-corrected Graphite Furnace Atomic Absorption Spectrophotometry.

TEST RESULTS:

(See following pages)

REPORTED TO: Morrow Environmental Consultants Inc.

CANTEST

REPORT DATE: March 5, 1999

GROUP NUMBER: 9030312

Conventional Parameters in Soil

CLIENT SAMPLE IDENTIFICATION:	SAMPLE DATE	CAN TEST ID	Moisture	pH
TP-99-63-2 990302	Mar 2/99	903030021	6.1	6.9
TP-99-64-1 990302	Mar 2/99	903030022	8.0	6.6
TP-99-64-2 990302	Mar 2/99	903030023	15.9	-
TP-99-66-1 990302	Mar 2/99	903030025	12.7	7.5
TP-99-67-1 990302	Mar 2/99	903030026	6.7	7.1
DETECTION LIMIT UNITS			0.1 %	0.1 pH units

% = percent

REPORTED TO: Morrow Environmental Consultants Inc.

CANTEST

REPORT DATE: March 5, 1999

GROUP NUMBER: 9030312

Polychlorinated Biphenyls in Soil

CLIENT SAMPLE IDENTIFICATION:	TP-99-64-2 990302	
DATE SAMPLED:	Mar 2/99	
CAN TEST ID:	903030023	DETECTION LIMIT
Arochlor 1242	<	0.03
Arochlor 1248	<	0.03
Arochlor 1254	<	0.03
Arochlor 1260	<	0.03
Surrogate Recovery		
2,2',4,4',6,6'-hexabromobiphenyl	95	-

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

Surrogate recoveries expressed as percent (%)

< = Less than detection limit

REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030312

Extractable Petroleum Hydrocarbons in Soil

CLIENT SAMPLE IDENTIFICATION:	SAMPLE DATE	CAN TEST ID	LEPH-uncorrected for PAH's	HEPH-uncorrected for PAH's
TP-99-64-2 990302	Mar 2/99	903030023	<	<
DETECTION LIMIT			250	250
UNITS			$\mu\text{g/g}$	$\mu\text{g/g}$

$\mu\text{g/g}$ = micrograms per gram, on a dry weight basis.

< = Less than detection limit

REPORTED TO: Morrow Environmental Consultants Inc.

CANTEST

REPORT DATE: March 5, 1999

GROUP NUMBER: 9030312

Monocyclic Aromatic Hydrocarbons-Methanol Extraction- in Soil

CLIENT SAMPLE IDENTIFICATION:	TP-99-64-2 990302	
DATE SAMPLED:	Mar 2/99	
CAN TEST ID:	903030023	
ANALYSIS DATE:	Mar 3/99	DETECTION LIMIT
Benzene	<	0.5
Ethylbenzene	<	0.5
Toluene	<	0.5
Xylenes	<	0.5
Volatile Pet. Hydrocarbons	<	10
Surrogate Recovery		
Toluene-d8	99	-
Bromofluorobenzene	98	-

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

Surrogate recoveries expressed as percent (%)

< = Less than detection limit

REPORTED TO: Morrow Environmental Consultants Inc.

CANTEST

REPORT DATE: March 5, 1999

GROUP NUMBER: 9030312

Metals Analysis in Soil

CLIENT SAMPLE IDENTIFICATION:		TP-99-63-2 990302	TP-99-64-1 990302	TP-99-66-1 990302	TP-99-67-1 990302	DETECTION LIMIT
DATE SAMPLED:		Mar 2/99	Mar 2/99	Mar 2/99	Mar 2/99	
CAN TEST ID:		903030021	903030022	903030025	903030026	
Antimony	Sb	<	<	<	<	10
Arsenic	As	<	<	<	<	10
Barium	Ba	46	36	52	40	1
Beryllium	Be	<	<	<	<	1
Cadmium	Cd	<	<	<	<	0.3
Chromium	Cr	10	12	16	15	2
Cobalt	Co	4	3	4	4	1
Copper	Cu	12	12	17	12	1
Lead	Pb	<	<	<	<	30
Mercury	Hg	0.004	0.009	0.02	0.009	0.001
Molybdenum	Mo	<	<	<	<	4
Nickel	Ni	4	5	9	6	2
Selenium	Se	<	<	<	<	3
Silver	Ag	<	<	<	<	2
Tin	Sn	<	<	<	<	5
Vanadium	V	33	23	30	32	1
Zinc	Zn	22	27	46	38	1
Aluminum	Al	7630	8010	9310	9150	10
Boron	B	10	9	13	10	1
Calcium	Ca	3650	2410	16500	7790	1
Iron	Fe	13100	12100	13800	12600	2
Magnesium	Mg	3410	3170	4080	3510	0.1
Manganese	Mn	186	203	226	186	1
Phosphorus	PO4	958	803	993	1010	20
Sodium	Na	303	233	337	293	5
Strontium	Sr	22	16	48	31	1
Titanium	Ti	361	240	303	362	1

Results expressed as micrograms per gram, on a dry weight basis. ($\mu\text{g/g}$)

< = Less than detection limit

REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030312

Batch Quality Control for Monocyclic Aromatic Hydrocarbons-Methanol Extraction- in Soil (QC# 9282)

Parameter	Duplicate (R.P.D.) 903030023	Duplicate Limits
Benzene	NC	20
Ethylbenzene	NC	20
Toluene	NC	20
Xylenes	NC	20
Volatile Pet. Hydrocarbons	NC	20

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030312

Batch Quality Control for Extractable Petroleum Hydrocarbons in Soil (QC# 9270)

Parameter	Blank (ug/g)	Blank Limits	Duplicate (R.P.D.) 903030023	Duplicate Limits	Spike (% Recovery)	Spike Limits
LEPH-uncorrected for PAH's	< 250	250	NC	20	83	75 - 125
HEPH-uncorrected for PAH's	< 250	250	NC	20	-	-

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030312

Batch Quality Control for Polychlorinated Biphenyls in Soil (QC# 41905)

Parameter	Blank (ug/g)	Blank Limits	Calibration Verification (% Recovery)	Calibration Verification Limits	Duplicate (R.P.D.)	Duplicate Limits
Arochlor 1242	< 0.03	0.03	-	-	NC	25
Arochlor 1248	< 0.03	0.03	101	75 - 120	NC	25
Arochlor 1254	< 0.03	0.03	-	-	NC	25
Arochlor 1260	< 0.03	0.03	-	-	NC	25

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

REPORTED TO: Morrow Environmental Consultants Inc.

CANTEST

REPORT DATE: March 5, 1999

GROUP NUMBER: 9030312

Batch Quality Control for Polychlorinated Biphenyls in Soil (QC# 41905)

Parameter	Spike (% Recovery)	Spike Limits
Arochlor 1248	100	75 - 125

ug/g = micrograms per gram

REPORTED TO: Morrow Environmental Consultants Inc.

CANTEST

REPORT DATE: March 5, 1999

GROUP NUMBER: 9030312

Batch Quality Control for Metals Analysis in Soil (QC# 9268)

Parameter		Duplicate (R.P.D.) 902260179	Duplicate Limits	Duplicate (R.P.D.) 902260197	Duplicate Limits	Duplicate (R.P.D.) 903020005	Duplicate Limits
Antimony	Sb	-	-	-	-	NC	30
Arsenic	As	NC	30	NC	30	NC	30
Barium	Ba	-	-	-	-	25.6	30
Beryllium	Be	-	-	-	-	NC	30
Cadmium	Cd	NC	30	NC	30	NC	30
Chromium	Cr	-	-	-	-	9.5	30
Cobalt	Co	-	-	-	-	PASS	30
Copper	Cu	-	-	-	-	28.6	30
Mercury	Hg	9.5	30	0	30	21.1	30
Selenium	Se	NC	30	NC	30	NC	30
Silver	Ag	-	-	-	-	NC	30
Tin	Sn	-	-	-	-	NC	30
Vanadium	V	-	-	-	-	26.1	30
Zinc	Zn	-	-	-	-	18.2	30

ug/g = micrograms per gram

R.P.D. = Relative Percent Difference

PASS = Duplicate sample results were in the range of one to five times the detection limit. R.P.D. calculation is not applicable in this range. Acceptance criteria is a maximum difference between the duplicates equivalent to the value of the detection limit.

NC = Not Calculated. Duplicate sample results were less than the detection limit. Relative Percent Difference calculation is not defined for analyte levels of less than detection limit.

REPORTED TO: Morrow Environmental Consultants Inc.



REPORT DATE: March 5, 1999

GROUP NUMBER: 9030312

Batch Quality Control for Metals Analysis in Soil (QC# 9268)

Parameter		SRM 2711 Montana Soil (% Recovery)	SRM 2711 Montana Soil Limits
Barium	Ba	28	19 - 39
Copper	Cu	95	85 - 115
Lead	Pb	91	85 - 115
Nickel	Ni	81	71 - 111
Vanadium	V	66	57 - 97
Zinc	Zn	87	80 - 110
Aluminum	Al	33	30 - 46
Calcium	Ca	73	67 - 85
Iron	Fe	83	68 - 102
Magnesium	Mg	75	59 - 89
Manganese	Mn	80	74 - 98
Phosphorus	PO4	84	75 - 115
Sodium	Na	4	2 - 6
Strontium	Sr	21	10 - 34
Titanium	Ti	29	22 - 42

ug/g = micrograms per gram

REPORTED TO: Morrow Environmental Consultants Inc.

CANTEST

REPORT DATE: March 5, 1999

GROUP NUMBER: 9030312

Batch Quality Control Frequency Summary

Soil Metals Preparation (Batch# 9268)

QC Type	No. Samples
SRM 2711 Montana Soil	1
Duplicate	3
Batch Size	27

EPH (LEPH/HEPH)- Soil Prep (Batch# 9270)

QC Type	No. Samples
Blank	1
Duplicate	1
Batch Size	1
Spike	1

Volatiles Analysis (Batch# 9282)

QC Type	No. Samples
Blank	1
Volatiles Soil Spike	1
Volatiles Water Spike	1
Duplicate	2
Batch Size	14

LABORATORY: CANTEST		SAMPLING DATE: 99 03 02
ADDRESS: 1523 W 3rd Avenue, Vancouver		
PROJECT MANAGER: Sharon Bond		SAMPLER NAME (PRINT):
MECI OFFICE LOCATION: 5151 Canada Way, Burnaby		Allison Black
MECI PROJECT ID (#): V8-195	PROJECT LOCATION: 3777 Lougheed Hwy.	
CLIENT: BC Gas	LOCATION CODE:	

FIELD SAMPLE ID	LABORATORY # (Lab Use Only)	SAMPLE TYPE	TYPE OF BOTTLES	PRESERVATION DETAILS	SAMPLING	
					TIME	HEADSPACE VAPOUR
TP-99-63-1-990307		SOIL	125 mL Teflon lined	chilled on ice	am	8
-63-2-						12
-63-3-						36
-64-1-						18
-64-2-						47
-64-3-						48
-64-4-						48
-65-1-						6
-65-2-						28
-65-3-						38
-66-1-						4
-66-2-						8

[illegible]

TAT 10 Days <input type="checkbox"/> 5 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 24 Hours <input type="checkbox"/>	SPECIAL DETECTION LIMITS AW - AQUATIC LIFE AG - AGRICULTURE LAND USE IL - INDUSTRIAL LAND USE DW - DRINKING WATER RL - RESIDENTIAL LAND USE SRA - SCHEDULE 7			LAB USE ONLY	
	SPECIAL REPORTING OR BILLING INSTRUCTIONS/NOTES				
	RELINQUISHED BY SAMPLER: <i>[Signature]</i> DATE: <i>970302</i> TIME: <i>11:35</i>			RECEIVED BY:	
	RELINQUISHED BY:			RECEIVED BY:	
RELINQUISHED BY:			DATE:		TIME:
RELINQUISHED BY:			DATE:		TIME:
RELINQUISHED BY:			RECEIVED BY LABORATORY: <i>SD</i> <i>March 21</i>		



PHONE: (604) 515-5151
FAX: (604) 515-5150

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TAT 10 Days <input type="checkbox"/> 5 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 24 Hours <input type="checkbox"/>	SPECIAL DETECTION LIMITS			LAB USE ONLY	
	AW - AQUATIC LIFE		AG - AGRICULTURE LAND USE	IL - INDUSTRIAL LAND USE	
	DW - DRINKING WATER		RL - RESIDENTIAL LAND USE	SRA - SCHEDULE 7	
	SPECIAL REPORTING OR BILLING INSTRUCTIONS/NOTES				
Results Due	RELINQUISHED BY SAMPLER:	DATE:	TIME:	RECEIVED BY:	
CUSTODY RECORD	RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY:	
	RELINQUISHED BY:	DATE:	TIME:	RECEIVED BY LABORATORY:	

Attachment 6.3

TERASEN GAS OFFICES - Leased and Owned Including Sub-lease

	Location	Street Address	Use	# of Employees	Rent	Square Footage
Terasen Gas Lower Mainland - Leased	North Vancouver Muster	312 David Ave, North Van	Field Personnel	8	\$ 46,800	1,250
	Richmond Muster	2111 No 4 Rd	Field Personnel	8	\$ 33,840	1,250
	1111 West Georgia	1111-9 West Georgia	Sublease agreement - ABSU	n/a	\$ 543,477	14,257
	1111 West Georgia	1111-10 West Georgia	Sublease agreement - Bell	n/a	\$ 543,477	14,257
	1111 West Georgia	1111-11 West Georgia	Sublease agreement - Microsoft	n/a	\$ 543,477	14,257
	1111 West Georgia	1111-12 West Georgia	Sublease agreement - London Life	n/a	\$ 543,515	14,256
	1111 West Georgia	1111-24 West Georgia	Sublease agreement - Tournigan Gold	n/a	\$ 512,790	13,452
Terasen Gas Lower Mainland - Owned	Surrey Operations Centre	16705 Fraser Highway, Surrey	Office, Stores & Shops, Training, Field Personnel	730	n/a	213,520
	Burnaby Operations	3700 2nd Avenue, Burnaby	Office, Stores & Shops, Field Personnel, Lease Agreement with TI 6573 sq. ft.	192	n/a	95,805
	2nd & Woodlands	1436 East 2nd Avenue, Vancouver	Equipment storage	0	n/a	900
	Abbotsford Muster	30576 Progressive Way, Abbotsford	Field Personnel and equipment storage	10	n/a	1,200
	Albion Muster	23466 River Road, Maple Ridge	Field Personnel and equipment storage	6	n/a	1,000
	Chilliwack Muster	Unit B - 44565 Yale Road, Chilliwack	Field Personnel and equipment storage	8	n/a	1,200
	Coquitlam Muster	2600 Spuraway, Coquitlam	Field Personnel and equipment storage	8	n/a	1,000
	Goudy Muster	6455 Ladner Trunk Road, Delta	Field Personnel and equipment storage	4	n/a	570
	Kent Muster	1960 Green Road, Agassiz	Field Personnel and equipment storage	4	n/a	1,000
	Langley Muster	5690 Production Way, Langley	Field Personnel and equipment storage	8	n/a	1,600
	Mission Muster	32324 London Avenue, Mission	Field Personnel and equipment storage	6	n/a	1,000
	Roebuck Muster	9081 - 132nd Street, Surrey	Field Personnel and equipment storage	10	n/a	1,100
	Sunnyside Muster	2310 King George Highway, Surrey	Field Personnel and equipment storage	6	n/a	1,000
	LNG Plant	Hopcott Road	Office, shops and storage	13	n/a	3,500