



Province of
British Columbia

MINISTRY OF
ENVIRONMENT,
LANDS AND PARKS

BC
Environment

Environmental Protection
#201-3547 Skaha Lake Rd.
Penticton, British Columbia
V2A 7K2
Telephone: (604) 490-8200
Fax: (604) 492-1314

Date: April 6, 1995

File: 76750-40/PA 04670 (02)

REGISTERED MAIL

Imperial Oil Limited
1900 - 4720 Kingsway
Burnaby BC V5H 4N2

Attention: William Ng

Dear Mr Ng:

Enclosed is an amended copy of Permit No. PA-04670 issued under the provisions of the Waste Management Act. Your attention is respectfully directed to the terms and conditions outlined in the Permit. An annual Permit fee will be determined according to the Waste Management Permit Fee Regulation.

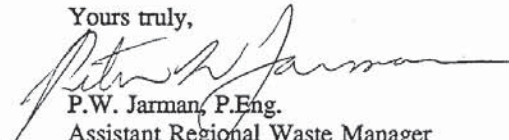
This Permit does not authorize entry upon, crossing over, or use for any purpose of private or Crown lands or works, unless and except as authorized by the owner of such lands or works. The responsibility for obtaining such authority shall rest with the Permittee.

This Permit is issued pursuant to the provisions of the Waste Management Act to ensure compliance with Section 34(3) of that statute, which makes it an offence to discharge waste without proper authorization. It remains the responsibility of the Permittee to ensure that all activities conducted under this authorization comply with any other applicable legislation which may be in force from time to time.

The administration of this Permit will be carried out by staff from our Regional Office located in Penticton, (telephone 490-8200). Plans, data and reports pertinent to the Permit are to be submitted to the Environmental Protection office, Suite 201, 3547 Skaha Lake Road, Penticton, British Columbia, V2A 7K2.

This decision may be appealed by any person(s) who considers themselves aggrieved by this decision, in accordance with Part 5 of the Waste Management Act. Written notice of intent to appeal must be received by the Regional Waste Manager within twenty-one (21) days of the date of notification of this decision.

Yours truly,


P.W. Jarman, P.Eng.
Assistant Regional Waste Manager
Okanagan Sub-Region

Enclosure
cc: Steve Pierce



MINISTRY OF ENVIRONMENT,
LANDS AND PARKS

PERMIT
PA 04670

Under the Provisions of the Waste Management Act

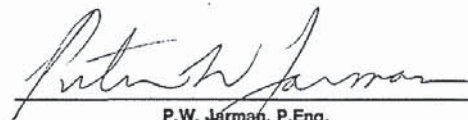
Imperial Oil Limited
1900 - 4720 Kingsway
Burnaby, British Columbia
V5H 4N2

is authorized to discharge contaminants to the air from a petroleum marketing agency located in Spallumcheen, British Columbia, subject to the conditions listed below. Contravention of any of these conditions is a violation of the Waste Management Act and may result in prosecution.

1. AUTHORIZED DISCHARGES

- 1.1 The discharge of contaminants to which this sub-section is applicable is from twelve above ground storage tanks as shown on the attached Site Plan A. The reference number (S.E.A.M. site number) for this discharge is E212649.
 - 1.1.1 The maximum rate at which contaminants may be discharged is 1 m³/min, for 24 hours/day, 7 days/week.
 - 1.1.2 The characteristics of the discharge shall be equivalent to or better than typical hydrocarbon vapours originating from petroleum products storage tanks.
 - 1.1.3 The works authorized are twelve petroleum storage tank vents approximately located as shown on the attached Site Plan A.
 - 1.1.4 The location of the facilities from which the discharge originates is Lot A, Plan 26666, Section 13, Township 7, O.D.Y.D.
 - 1.1.5 The location of the point of discharge is Lot A, Plan 26666, Section 13, Township 7, O.D.Y.D.

Date Issued: February 22, 1977
Amendment Date: April 6, 1995
(most recent)
Page: 1 of 2


P.W. Jarman, P.Eng.
Assistant Regional Waste Manager

PERMIT NO. : PA 04670

- 1.2 The discharge of contaminants to which this sub-section is applicable is from a tank truck loading rack as shown on the attached Site Plan A. The B.C. Environment reference number (S.E.A.M. site number) for this discharge is E212650.
- 1.2.1 The maximum rate at which contaminants may be discharged is 1 m³/minute for 8 hours/day, 6 days/week.
- 1.2.2 The characteristics of the discharge shall be equivalent to or better than typical hydrocarbon vapours originating from a tank truck loading rack.
- 1.2.3 The works authorized are a submerged loading system and related appurtenances approximately located as shown on the attached Site Plan A.
- 1.2.4 The location of the facilities from which the discharge originates and the location of the point of discharge is the same location as set out in sub-section 1.1.

2. GENERAL REQUIREMENTS

2.1 Maintenance of Works and Emergency Procedures

The Permittee shall inspect the pollution control works regularly and maintain them in good working order. In the event of an emergency or condition beyond the control of the Permittee which prevents continuing operation of the approved method of pollution control, the Permittee shall immediately notify the Regional Waste Manager and take appropriate remedial action.

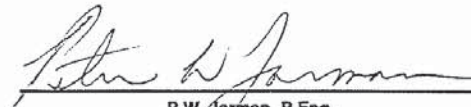
2.2 Bypasses

The discharge of contaminants which has bypassed the designated treatment works is prohibited unless the consent of the Regional Waste Manager is obtained and confirmed in writing.

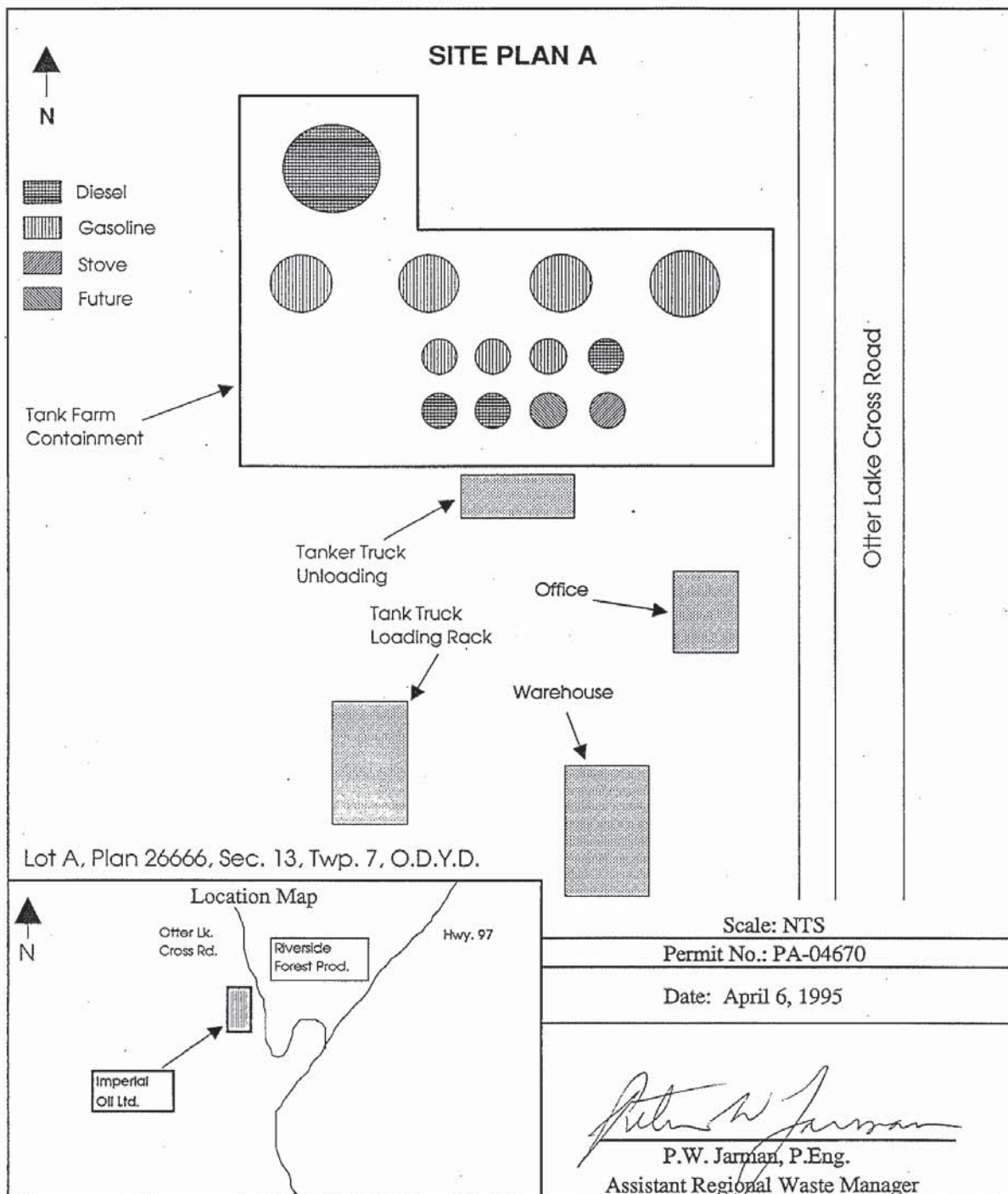
2.3 Process Modifications

The Permittee shall notify the Regional Waste Manager prior to implementing changes to any process that may affect the quality and/or quantity of the discharge.

Date Issued: February 22, 1977
Amendment Date: April 6, 1995
(most recent)
Page: 2 of 2


P.W. Jarman, P.Eng.
Assistant Regional Waste Manager

PERMIT NO. : PA 04670



MINISTRY OF ENVIRONMENT, LANDS AND PARKS

Environmental Protection

Date: March 29, 1995 **File:** 76750-40/PA 04670 (02)
From: Okanagan Sub-Region **By:** N.J. Fowler

TECHNICAL REPORT (MINOR)

LEGAL NAME(S): Imperial Oil Limited

LOCAL ADDRESS(S): 1900 - 4720 Kingsway
Burnaby BC V5H 4N2

APPLICATION: Reformat and Internal Amendment **DATED:** March 29, 1995

OPERATION: Petroleum Marketing Agency

GEOGRAPHIC LOCATION: 957 Otter Lake Cross Road
Armstrong BC

PRODUCTION CAPACITY: 3 million litres **SIC CODE:** 5111

1. APPLICATION REQUEST

There were no applications, as this is an internal amendment.

1.1 APPLICATION REVISION

1.1.1 The address for head office has changed to:

1900 - 4720 Kingsway
Burnaby BC V5H 4N2

1.1.2 The legal description of the property has changed to:

Lot A, Plan 26666, Section 13, Township 7, O.D.Y.D.

1.1.3 As this operation is run by an agent for local service, it is considered a petroleum marketing agency rather than a petroleum bulk plant.

2. HISTORY

The original Permit was issued on February 22, 1977. The five largest tanks exceeding 54 000 Imperial Gallons or 245 700 L have been empty since August, 1987, when the bulk plant became a marketing agency. The dormant tanks will be kept for temporary storage if problems occur at the Kamloops plant. Two additional tanks (stove oil and diesel fuel) were installed in 1989.

The Permittee advised this Ministry on June 14, 1990 that Imperial Oil Ltd. merged with McColl-Frontenac Inc. The company name remains as Imperial Oil Ltd.

3. TECHNICAL ASPECTS

3.1 SOURCE OF DISCHARGE

Hydrocarbon vapours are discharged to the air primarily during loading and unloading of the petroleum products storage tanks. Some (standing) loss of hydrocarbons also occurs with temperature and barometric pressure variations.

Four gasoline tanks exceeding 54 000 Imperial Gallon or 245 700 L, (ie. three at 359 775 L and one at 675 000 L) are equipped with floating roofs to minimize evaporation losses. A diesel fuel storage tank (945 000 L) is equipped with the required pressure/vacuum vent. These five tanks may be used for temporary storage in the future, if problems are encountered at the Kamloops bulk plant.

The five remaining tanks from the original Permit are 2 diesel fuel tanks, 2 regular gas tanks, and 1 premium gas tank. All have a capacity of 88 500 L.

Two additional tanks (stove oil and diesel fuel) were installed in 1989. Both have a capacity of 55 800 L. Due to the smaller capacity and low vapour pressure of their contents, the additional discharge from these tanks are minimal.

Variable Permit fees do not apply to any tank farm of a capacity less than 100 million litres. This operation has a maximum capacity of 3 253 425 litres. This indicates a discharge that should be considered negligible. The original Permit outlined discharge rates in SCFM for the ten tanks on site and the truck loading rack. When converting these rates to metric equivalents, we arrive at discharge rates of less than 1 m³/minute for each discharge during working or standing losses.

Throughput volumes for this agency for 1994 are as follows:

Gasoline	6 130 000 L
Stove Oil	1 340 000 L
Diesel Fuel	5 090 000 L

3.2 TREATMENT OF DISCHARGE

There are no actual pollution control works installed. However, evaporation losses are minimized by light coloured gasoline tanks equipped with pressure/vacuum vents. Bottom loading of the tanks and submerged loading of local delivery trucks also minimizes evaporation losses.

A storm runoff collection system consisting of drains, an oil/water separator, and a drainage line are maintained in accordance with the Petroleum Storage and Distribution Facilities Storm Water Regulation.

3.3 PUBLIC OR AGENCY CONCERNS

The original Permit application received no objections from the agencies notified.

There was one resident concerned with the location of the plant when the Permit was first applied for. After consultation with Waste Management staff, the resident's concerns diminished.

3.4 COMPLIANCE STATUS AND ENVIRONMENTAL IMPACT

The Permit file reveals a spill of 177 L of gasoline in October 1992. The asphalt was removed and a concrete pad sloped towards the storm drains was constructed.

There are no complaints on file and Permit inspections have been consistently in compliance.

3.5 RECEIVING ENVIRONMENT

The agency is located at 957 Otter Lake Cross Road in the Municipality of Spallumcheen, opposite the Riverside Forest Products complex. The nearest residence is about 200 metres north of the site and the surrounding area is predominantly agricultural. The nearest water course is Deep Creek about 1.6 km north.

Environment Canada reports that wind conditions as recorded in Kelowna are similar to that in the North Okanagan. Prevailing N/S winds generally occur year round except for in the spring, when the direction is typically reversed. The average wind speed is 5.5 km/hr. Winds of 1-10 km/hr occur 41% of the time, while winds of 11-20 km/hr occur 17.5% of the time. Calm winds occur about 35.5% of the time.

The average annual precipitation for Armstrong is 456.8 mm. With this low level of precipitation, the effects of rainout or washout would be minimal.

3.6 PROPOSED MONITORING

None.

3.7 COMPLIANCE WITH POLICY OR OBJECTIVES

The Pollution Control Objectives for the Chemical and Petroleum Industries is the governing policy. The four largest tanks used for gasoline are larger than 54 000 Imperial Gallons or 245 700 L. They are fixed roof tanks equipped with internal floating roofs and pressure/vacuum vents. The largest diesel tank (945 000 L) is equipped with the required pressure/vacuum vent.

3.8 ASSESSMENT

As this plant has been in operation for 19 years without a complaint on file or an inspection revealing non-compliance, there should be no problems associated with this discharge. The small storage capacity of the plant exempts it from any variable Permit fees, indicating a negligible discharge rate.

4. RECOMMENDATIONS

It is recommended that Permit PA-04760 be electronically reformatted to reflect the current accepted format and standard clauses and amended to reflect the following:

- 4.1 Change address to:

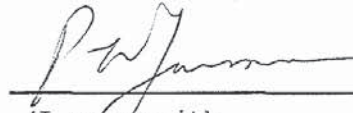
1900 - 4720 Kingsway
Burnaby BC V5H 4N2
- 4.2 Change legal description to:

Lot A, Plan 26666, Section 13, Township 7, O.D.Y.D.

- 4.3 Change the type of operation from a petroleum bulk plant to a petroleum marketing agency.
- 4.4 Change the number of tanks from ten to twelve.
- 4.5 Round off discharge rates from the tanks and loading racks to 1 m³/minute each.
- 4.6 Include the loading rack hours and days of operation at 8 hours/day, 6 days/week.
- 4.7 Update the site plan accordingly.



N.J. Fowler
Industrial Waste and
Hazardous Contaminants
Section
Okanagan Sub-Region



(I agree with
recommendations)
P.W. Jarman, P.Eng.
Head, Industrial Waste and
Hazardous Contaminants
Section
Okanagan Sub-Region



DEPARTMENT OF ENVIRONMENT

FEB 22 1977

DOUBLE REGISTERED

Imperial Oil Limited
475 West Georgia Street
Vancouver, British Columbia
V6B 4M9

Gentlemen:

DIS.	TO	SIGNED
WAK		<i>[Signature]</i>
KAC		
EAN		<i>[Signature]</i>

LETTER OF TRANSMITTAL

Enclosed is a copy of Pollution Control Permit No. PA-4670 in the name of Imperial Oil Limited. Your attention is respectfully directed to the conditions outlined in the Permit.

In conjunction with this Permit, you are directed to comply with the following requirements:

A. OPERATION MODIFICATIONS

The Permittee shall notify the Director prior to implementing any changes to the operation that may affect the quality and/or quantity of the emissions.

B. MAINTENANCE AND EMERGENCY PROCEDURES

Inspect regularly the pollution control works and maintain them in good working order. Notify the Director of any malfunction of these works.

In the event of any emergency, or condition beyond the control of the Permittee, the Permittee shall provide the Director access to its facilities and all pertinent information as to the cause of such emergency or conditions.

C. SI UNITS

This Permit includes numerical values expressed in the International System of Units (SI). The Permittee is encouraged to use these units in submitting monitoring results and any other information in connection with the Permit. For your convenience with regard to metric conversion, a Metric Practice Guide is enclosed.



...2

The administration of this Permit, including periodic inspections and monitoring, will be carried out by staff from our Regional Office located at Ste. #1, 3001 - 43rd Avenue, Vernon, British Columbia, V1T 3L4 (telephone 542-2351). Plans, data and reports pertinent to the Permit are to be submitted to the Director through the Regional Manager at this address.

This Permit does not authorize entry upon, crossing 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 lie with the Permittee.

For your reference, enclosed is a copy of the Pollution Control Act, 1967, as amended, and the Regulations thereto.

Yours very truly,



H. P. Klassen, P. Eng.
Assistant Director (Services)
Pollution Control Branch

Encl.



DEPARTMENT OF ENVIRONMENT
WATER RESOURCES SERVICE
POLLUTION CONTROL BRANCH

PERMIT

Under the Provisions of the Pollution Control Act, 1967

Imperial Oil Limited

475 West Georgia Street, Vancouver, British Columbia, V6B 4M9

is hereby authorized to discharge contaminants
from a bulk Petroleum storage plant
located near Armstrong, British Columbia
to the air

This permit has been issued under the terms and conditions prescribed in the attached appendices

01, 02 and A



[Signature]

Assistant Director of Pollution Control

Date issued FEB 22 1977, 19____
Amendments dated _____, 19____
_____, 19____
_____, 19____

Permit No. PA-4670

PCB 11- O



DEPARTMENT OF ENVIRONMENT
WATER RESOURCES SERVICE
POLLUTION CONTROL BRANCH

APPENDIX No. 01

to Pollution Control Permit No. PA-4670

- (a) The discharge or emission of contaminants into the air applicable to this appendix is from ten
(Source or operation)
petroleum products storage tanks

as shown on attached Appendix A

- (b) The rate of discharge or emission (dry basis) authorized is:
35 SCFM (0.69 mol/s)
Maximum of hydrocarbon Duration 3 hours Frequency twice/day
vapour, as hexane
Average daily (based on the operating period) 3 SCFM (0.059 mol/s) of hydrocarbon vapour
as hexane. Normal operating period is continuous.

- (c) The characteristics of the contaminants shall be equivalent to or better than

Contaminant	Average daily concentration based on the daily operating period	Maximum Concentration	Duration	Frequency
<u>are of the nature originating from a petroleum products storage tanks</u>				
<u>operation</u>				

- (d) The works authorized are floating roof storage tanks, fixed roof storage tank
vents and related appurtenances

approximately located as shown on the attached Appendix A

- (e) The land from which the discharge originates and to which this appendix is appurtenant is part of
N.W. 1/4 of Sec. 13, Tp. 7, Plan A10614, Lot A, O.D.Y.D.

- (f) Those works authorized and proposed must be completed and in operation when discharge
commences.

~~(g) The authority to discharge or emit contaminants under this Permit is contingent upon the authorized works having been constructed in accordance with the construction plans approved in accordance with the Pollution Control Act, 1967.~~

FEB 22 1977

Date issued _____, 19____

Date amended _____, 19____

_____, 19____

Assistant Director of Pollution Control



DEPARTMENT OF ENVIRONMENT
WATER RESOURCES SERVICE
POLLUTION CONTROL BRANCH

APPENDIX No. 02

to Pollution Control Permit No. PA-4670

- (a) The discharge or emission of contaminants into the air applicable to this appendix is from a tank
(Source or operation)
truck loading rack
as shown on attached Appendix A

- (b) The rate of discharge or emission (dry basis) authorized is:
Maximum 10 SCFM (0.196 mol) Duration 1 hour Frequency twice/day
(s) of hydrocarbon vapour as hexane
Average daily (based on the operating period) 1 SCFM (0.020 mol/s) of hydrocarbon
vapour as hexane. Normal operating period is 8 hours/day, 6 days/week

- (c) The characteristics of the contaminants ~~shall be equivalent to or better than~~

Contaminant	Average daily concentration based on the daily operating period	Maximum Concentration	Duration	Frequency
are of the nature originating from tank truck loading of petroleum products				

- (d) The works authorized are submerged loading system and related appurtenances

approximately located as shown on the attached Appendix A

- (e) The land from which the discharge originates and to which this appendix is appurtenant is part of
N.W. 1/4 of Sec. 13, Tp. 7, Plan A10614, Lot A, O.D.Y.D.

- (f) Those works authorized and proposed must be completed and in operation when discharge commences.

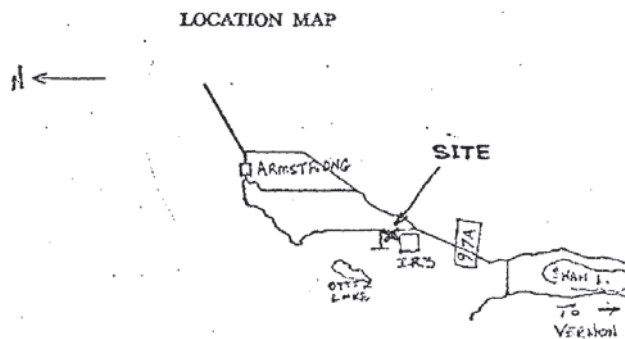
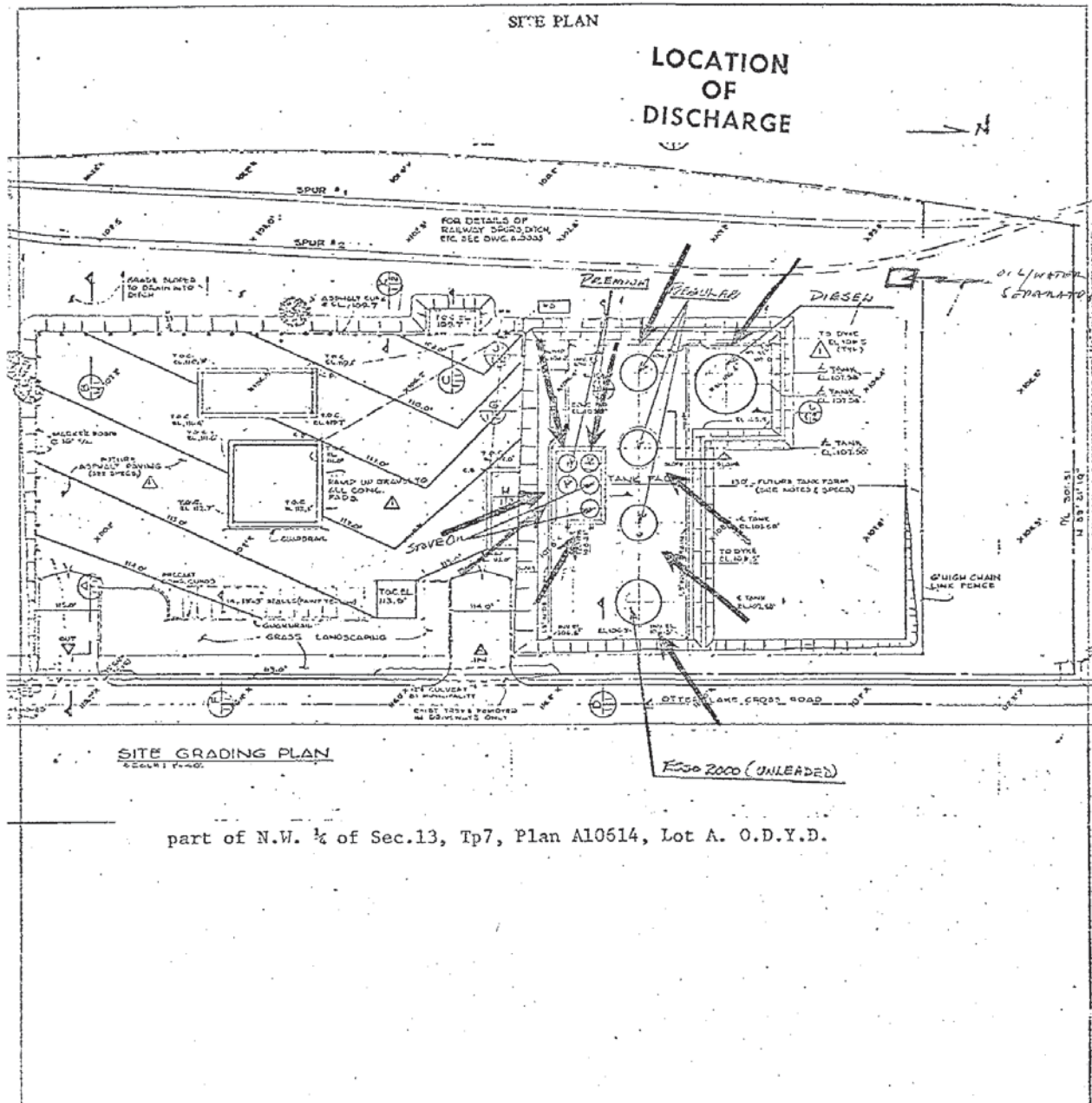
- (g) ~~The authority to discharge or emit air contaminants under this Permit is contingent upon the authorized works having been constructed as per final construction plans approved in accordance with the Pollution Control Act, 1966.~~

Date issued FEB 22 1977, 19____
Date amended _____, 19____
_____, 19____

Assistant Director of Pollution Control



DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES
WATER RESOURCES SERVICE
POLLUTION CONTROL BRANCH



IMPERIAL OIL LIMITED
(Name of applicant(s))

8/12/76 (Date)

G. Sepanski (Signature of applicant(s) or agent)

(FOR OFFICE USE ONLY)

FEB 22 1977 (Date issued)

Assistant (Director, Pollution Control Branch)

Appendix A to Permit No. PA-4670

Reiner, Mike J WLAP:EX

From: Jeske, Dean WLAP:EX
Sent: March 18, 2004 10:56 AM
To: Reiner, Mike J WLAP:EX
Subject: Imperial Oil Spallumcheen PA 4670

(TRANSFERRED DOWN
FROM KAMLOOPS)

Mike I spoke to a Ron from Imperial oil today. He returned my call of about three weeks ago. He wanted to know about amending there permit. I told him that they would be covered under the WDR Schedule 2 activity # 22, and would ultimately be under code.

We talked for quite awhile and then he told me that they pay \$100 for the annual permit fee. They are concerned because there discharge is currently way below what the permit allows. I told him that they could not reduce the fee below \$100 and therefore they should just pay the fee and leave the permit alone. I told him to call you. I explained that you may want something different and that he would have to do what ever you decided you wanted to do.

Ron's number is 250 828-1545 or (cell) 250 377-1428

Dean Jeske

Environmental Protection Officer
Environmental Protection
1259 Dalhousie Drive
Kamloops, BC V2C5Z5
(250)371-6333
Dean.Jeske@gems2.gov.bc.ca

MAR 24/04

SPOKE WITH RON NEWSHAM - CONFIRMED
THEY REQUIRED PERMITS UNDER WMA + WOULD
BE UNDER EMA + THE WDR_{reg} UNTIL A CODE
OF PRACTISE WAS APPROVED.

~> INDICATED THE ONLY OTHER REG WAS THE GASOLINE
VAPOUR CONTROL REG BUT THEY'D HAVE TO
GO WITH VAPOUR RECOVERY/CONTROL SYSTEMS AND
EVEN IF THEY DID IT WOULDN'T COVER THEIR
DIESEL TANKS. WHICH WOULD STILL REQUIRE PERMITS.

~> HE EXPRESSED CONCERNS ABOUT OTHER OPERATING
UNPERMITTED PLANTS - INDICATED THAT @ THIS TIME
THEY'D BE A VERY LOW PRIORITY FOR WLAP
TO BRING UNDER PERMIT.

mjr.



Imperial Oil

Imperial Oil
Products and Chemicals Division
2505 W. Trans-Canada Hwy.
PO Box 3036
Kamloops, B.C. V2C 6B7

Ron Newsham
Secondary Site Leader
Products and Chemicals
Customer Service & Distribution

Tel: (250) 828-1545
Fax: (250) 314-1854
Cel: (250) 377-1428

Facsimile Transmission Cover Sheet

PA 4670

Date: MARCH 24.04

To

From

Name: MIKE REINER
Company: MINISTRY - WATER, LAND &
City: AIR PROTECTION
Telephone:
Fax: 250-490-2231

RON NEWSHAM

Number of pages sent including this one: 2

Message:

AS DISCUSSED HERE IS AN UPDATED
SITE PLOT PLAN OF THE TANKAGE
AND CAPACITIES FOR OUR ARMSTRONG
FACILITY

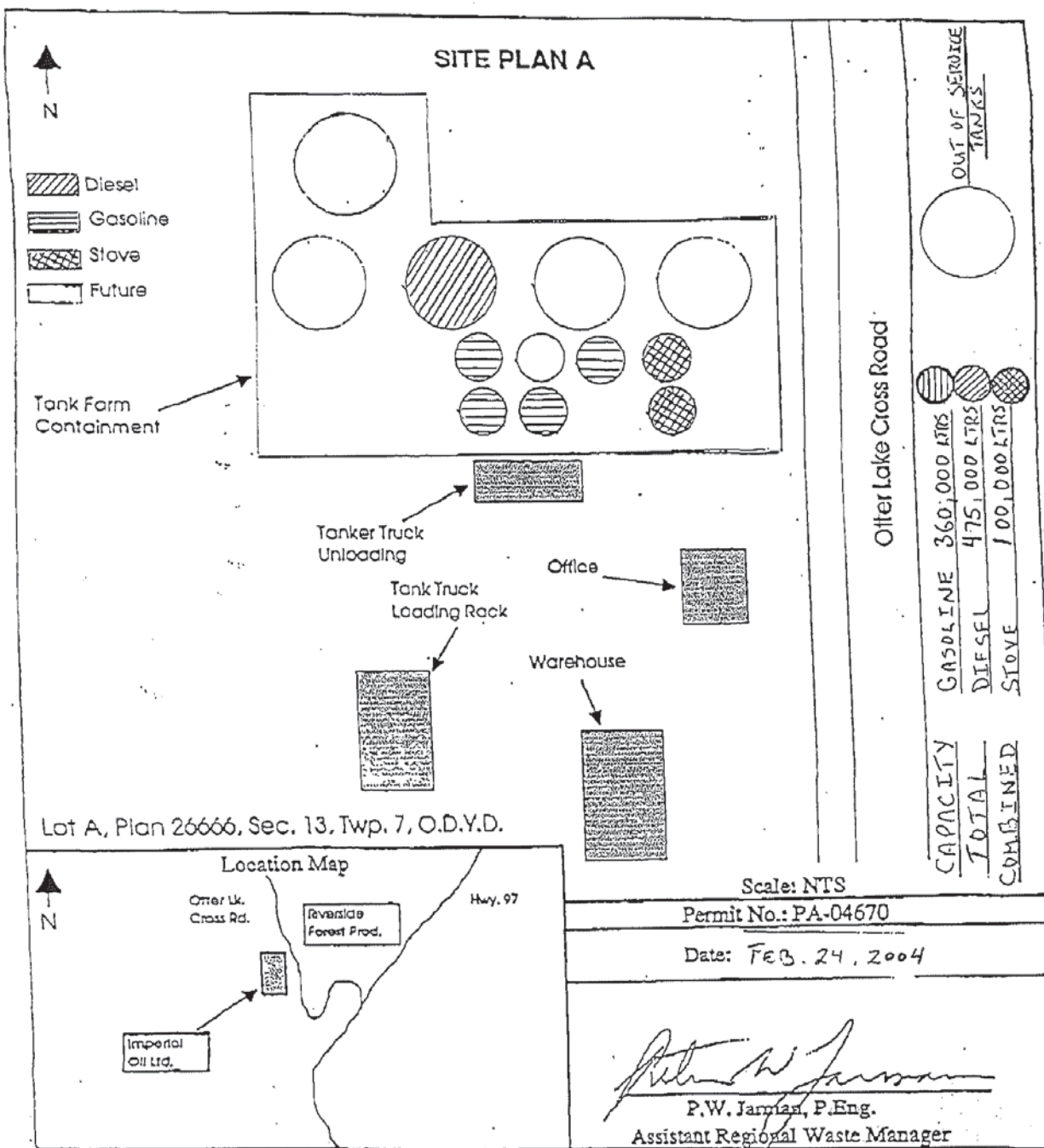
Ron Newsham

NOTICE: If you have received this facsimile in error, any personal use, copying or dissemination of its contents is prohibited. Please notify the sender immediately by telephone at the number indicated on this page to arrange return of the facsimile to the sender. Thank you for your co-operation.

0206109
Fax Form1.doc

PROVINCE OF
BRITISH COLUMBIA

Environmental Protection



TOTAL P.02



MINISTRY OF ENVIRONMENT, LANDS AND PARKS
POLLUTION PREVENTION BRANCH
SOUTHERN INTERIOR REGION

Permit No. PA 4670
Date of Inspection Nov 15/00

PERMIT INSPECTION

Permittee Imperial Oil Ltd.
Location Armstrong

A. SAMPLES TAKEN

YES ☐

NO ☒

Sources Sampled _____

B. OBSERVATIONS AND COMMENTS:

Fuel loading facility is still in operation.
Site inspection is difficult to determine if discharge is
occurring and if so within limits.

C. PERMIT COMPLIANCE

IN ☒

OUT ☐

Based on Site Observations.

COMMENTS:

No apparent problems @ time of inspection

D. ACTION REQUIRED BY PERMITTEE:

Permittee or Representative's Signature

Dean Joske
For Pollution Prevention

Regional Office Follow-up:

Original to File
Copy to Permittee

APPLICATION TYPE:

- ☐ Permit
☐ Approval
☐ Operational Certificate
- ☐ New
☒ Amendment
☐ Transfer
- ☒ Internal ☐ External

FEE INFORMATION:

- ☒ Exempt from fees ☐ Fee Paid
- Calculated Fee
- Calculated By
- Receipt No.

File No: PA 4670 (oz)

Application Date: March 29, 1995

Date Received: March 29, 1995

☒ Industrial Section ☐ Municipal Section

Location of Discharge: Spallumcheen

Env. Protection Officer: D. Colvey

Technician: D. Colvey

Application Processor: N. Fowler

S.I.C. Code: 5111

Applicant: Imperial Oil Ltd

☒ Agent: Lakeland Oil (Skaha Resources Ltd) Steve Pierce

Description of Application: Internal update of works and reformat

CIRCULATION:

Comments
Received

- ☐ Municipality ☐
☐ Regional District ☐
☐ Health Unit ☐
☐ Ministry of Agriculture & Fisheries ☐
☐ Agricultural Land Commission ☐
☐ Federal Environmental Protection Service ☐
☐ Ministry of Mines ☐
☐ Environmental Monitoring ☐
☐ Water Management ☐
☐ Public Health Engineer ☐
☐ Fish & Wildlife ☐
☐ Concerned Persons ☐
☐ Other ☐
 eg., Air Management, Native Liason, Washington State

ADMIN.
CHECK-LIST:

- Appl. signed
- Appl. dated
- 15 day limit
- Agent form
- Publ. form
- Fee paid
- Appl. posted
- Legal descr.

O.K.
 initialsTECHNICAL
CHECK-LIST:

- Site Plan
- Source
- Disch. type
- Disch. qty.
- Disch. conc.
- Duration
- Frequency
- Treatment
- Works

O.K.
 initials

PUBLICATION:

Date:

- ☐ Local Paper:
☐ B.C. Gazette
☐ Personal Service
☐ Publish Manager's Decision

IMPERIAL OIL LIMITED
BRANDED ASSOCIATES DIVISION

19th FLOOR, METROTOWER II
4720 KINGSWAY
BURNABY, B.C. V5H 4N2

DATE: MARCH 23, 1995 FAX NO.: 604-492-1314

TO: BC ENVIRONMENT

ATTN: NICK ROULGER

FROM: WILLIAM NG

TOTAL NUMBER

TEL: (604)451-5918

OF PAGES 3

FAX: (604)451-5931

(Incl. cover page)

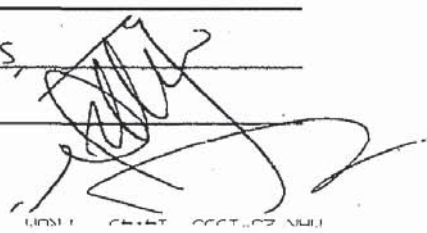
RE: KOLOWNA & ARMSTRONG BULK PLANTS

VOLUME THROUGHPUTS ARE AS FOLLOWS:

	<u>ARMSTRONG</u>	<u>KOLOWNA</u>	<u>KOLOWNA CARLOADS</u>
<u>MOGAS</u>	<u>6,130,000 L.</u>	<u>3,436,000 L.</u>	<u>621,000 L.</u>
<u>HEATING</u>	<u>1,340,000 L.</u>	<u>149,000 L.</u>	
<u>DIESEL</u>	<u>5,090,000 L.</u>	<u>3,665,000 L.</u>	<u>1,742,000 L.</u>
<u>TOTAL</u>	<u>12,560,000 L.</u>	<u>7,250,000 L.</u>	<u>2,363,000 L.</u>

I HAVE ALSO ATTACHED REVISED LAYOUT FOR
KOLOWNA BULK PLANT AS REQUESTED.

REGARDS,

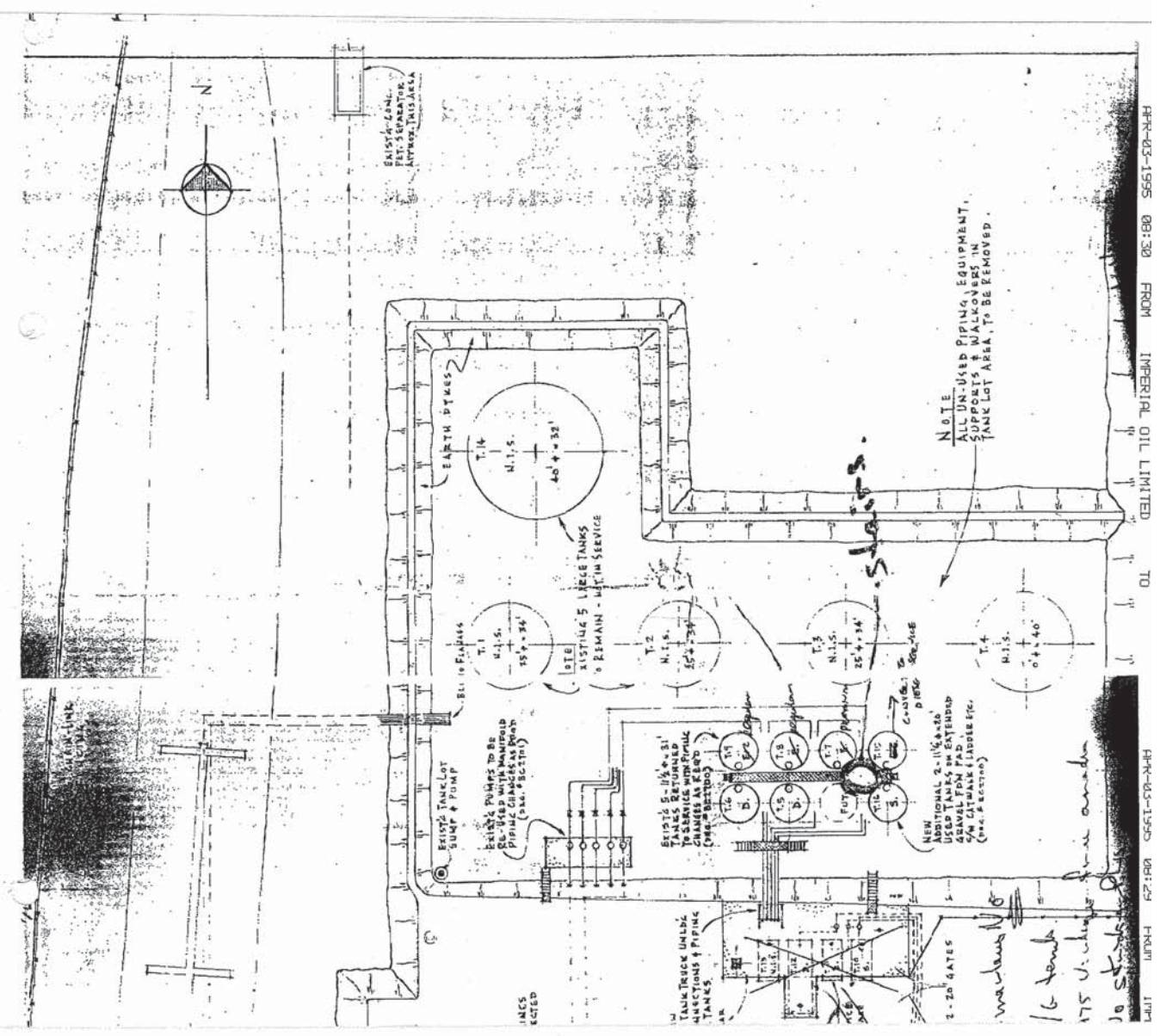


IMPERIAL OIL LIMITED

10

IMPERIAL OIL LIMITED

IMPERIAL OIL LIMITED



HR-03-1995 08:30 FROM IMPERIAL OIL LIMITED TO

HR-03-1995 08:29 FROM 1001



MINISTRY OF ENVIRONMENT
WASTE MANAGEMENT BRANCH

Photocopy sent ~~MLP~~
to RPC ~~DBS~~
~~AWJ~~
~~ALF~~

Permit No. PA 4670
Date of Inspection 28 02 95

PERMIT INSPECTION

Permittee Imperial Oil
Location Armstrong

A. SAMPLES TAKEN

YES ☐ NO ☒

Sources Sampled _____

B. OBSERVATIONS AND COMMENTS:

- Five larger tanks not in use. Only kept for backup storage if Kamloops encounters problems.
- Tanks used - 2 - 30' Diesel 88 500L each { 1 - 20' Diesel }
1 - 20' Stove 55 800L { 55 800L }
2 - 30' Regular Gas 88 500L each
1 - 30' Premium Gas 88 500L
Sampling for all BC locations under storm runoff regulation will be completed in July '95.

C. PERMIT COMPLIANCE

IN ☒ OUT ☐

Based on Site Observations.

COMMENTS: _____

D. ACTION REQUIRED BY PERMITTEE: _____

Permittee or Representative's Signature

William Ng

For Waste Management

Regional Office Follow-up: _____

Original to File
Copy to Permittee



MINISTRY OF ENVIRONMENT
WASTE MANAGEMENT BRANCH

Permit No. PA 4670
Date of Inspection Feb 4/93

PERMIT INSPECTION

Permittee Imperial Oil
Location Armstrong

A. SAMPLES TAKEN

YES ☐

NO ☒

Sources Sampled _____

B. OBSERVATIONS AND COMMENTS:

- product from the oil/water separator
is picked up and taken to Alberta
for reprocessing as required
- there is no recovery system for
vapour in place
- there was a spill of 177 litres of
gas in Oct '92 - the asphalt has
been replaced by a concrete pad
sloped to the separator drain.

C. PERMIT COMPLIANCE

IN ☒ OUT ☐

Based on Site Observations.

COMMENTS: problems occurred with tank loading
arm swivel seals during cold weather
in January and there was minor
leakage. - they have been replaced,
- there are two small tanks that are
not shown on the site plan. they
contain stove oil + mid grade gasoline.

D. ACTION REQUIRED BY PERMITTEE:

- amendment applications required to
include two additional tanks.

mailed March 1/93
Permittee or Representative's Signature

My Braune
For Waste Management

Regional Office Follow-up:

Original to File
Copy to Permittee

~~DBS~~

PA-03624

PA-03623

PA-03616

PA-03622

PA-04670

July 1990

Imperial Oil Limited has recently combined its petroleum-product and chemical businesses with that of its subsidiary McColl-Frontenac Inc. (formerly Texaco Canada Inc.) in a partnership known as "Imperial Oil." The partnership will operate its business through two divisions—Esso Petroleum Canada and Esso Chemical Canada.

Imperial Oil Limited and McColl-Frontenac Inc. have transferred to the partnership substantially all of their petroleum-product and chemical business, including agreements that either of them may have with you. The partnership has assumed responsibility for the performance of the partners' obligations under such agreements.

Although you may notice some minor changes in our correspondence with you to reflect the new partnership, you should continue to do business with the partnership in the same manner as with Imperial Oil Limited or McColl-Frontenac Inc. Please amend your records accordingly.

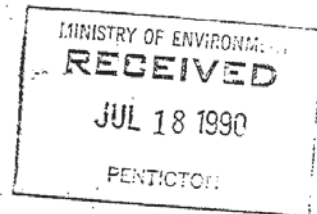
Yours sincerely,



P.A. Smith
Manager
Comptroller's Integration



Imperial Oil [®]



C/o Esso Petroleum Canada
4180 Lougheed Highway
Burnaby, B.C.
V5C 6E5

FACSIMILE

Total Pages: 3 (including this page)

TO:

Name: Darryl Seehagel
Company: Waste Management
Address: Penticton
Phone No.: 493-8261
Fax No.: 492-1314

FROM: Mr. Greg Cheesman
A/Unit Head of Professional Services

Ministry of Environment
Environmental Protection Division
810 Blanshard Street
2nd Floor
Victoria, British Columbia

phone: (604) 387-9973
fax: (604) 356-9836

COMMENTS:

For your info attached is
letter from Imperial O.I.
plus reply from LTH. Dick
should have a copy of it.
AC



Province of
British Columbia

Ministry of
Environment

Victoria
British Columbia
V8V 1X5

SA/REG/2 SA/235 R.A. Kicke
FILE

CONFIDENTIAL

JUL 16 1990

XR PA 3622 PA
PA 3623 PA
PA 3624 PA
PA 4670 PA

Imperial Oil Limited
McColl-Frontenac Inc.
Business Services Department
55 St. Clair Avenue West
Toronto, Ontario
M5W 2J8

Dear Sirs:

This will acknowledge receipt of your letter advising of the company name change. A copy of this letter and your original letter will be sent to our regional offices where the Waste Management permits are administered.

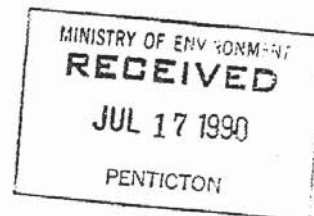
Your operations in British Columbia that discharge waste under the authority of a permit should contact the regional office and, where necessary, request the permit be amended to reflect the change in ownership.

Thank you for bringing this matter to my attention.

Yours truly,

L.T. Hubbard
Deputy Director of
Waste Management

cc: All Regional Waste Managers
Mr. J. Negraeff - Williams Lake
Mr. R. Smith - GVRD



55 St. Clair Avenue West
Toronto, Ontario
Canada M5W 2J8

D.H. Boucher
Vice-President

Business Services Department

COPY

June 14, 1990

REGISTERED

Ministry of the Environment
Waste Management Branch
810 Blanshard Street
Victoria, B.C.
V8V 1X5

Attention: Mr. L. Hubbard, Director

MINISTRY OF
ENVIRONMENT

JUN 19 1990

ENVIRONMENTAL
PROTECTION BRANCH

Dear Sirs:

Re: Internal Reorganization of Imperial Oil Limited
and its subsidiary McColl-Frontenac Inc.
(formerly Texaco Canada Inc.)

As you may know, Imperial Oil Limited (Imperial) acquired the shares of Texaco Canada Inc. last year. Texaco Canada has since changed its name to McColl-Frontenac Inc. ("MFI").

Effective June 30, 1990, Imperial and MFI will begin carrying on their existing downstream businesses in common under the partnership name and style of "Imperial Oil". The downstream businesses include the purchase, distribution and resale of crude oil and related hydrocarbons, the manufacturing, marketing and distribution of petroleum products and petrochemical products and the marketing and distribution of agricultural chemical products. Imperial and MFI each currently have all licences, permits and orders required for the operation of their separate downstream businesses in the Province of B.C., including those issued under the authority of your department or Ministry. It is our understanding that no new permits, licences or orders would be required to enable the businesses previously carried on separately by Imperial and MFI to be carried on by the two companies in partnership. We recognize that in due course, as renewals are required, the names under which the permits, licences, approvals and orders are held may require amendment to include the names of both partners and/or the partnership.

In every case, Imperial and MFI understand and agree that they both will be bound by the terms and conditions applicable to any licence, permit, approval or order that may have been issued to either of them in relation to the business to be carried on by the partnership.

I trust the foregoing is satisfactory for your purposes. If your Ministry requires additional information, please feel free to contact Mrs. Barbara Hejduk, of my office, at (416) 968-5218.

Yours very truly

IMPERIAL OIL LIMITED
MCCOLL-FRONTENAC INC.

By: D.H. Boucher

A Division of
Imperial Oil Limited

Imperial Oi

PERMIT INFORMATION

* Permit Number: PA04670

Special Waste (Y/N): N

* Geographic Reference: _____

* Regional District Code: NO

SEE APPENDIX
Issue Date: 110222 Expiry Date: _____

* Section (M-Municipal/I-Industrial): I

* Assigned WMO (first initial & last name): P JARMAN

* Assigned Technician (first initial & last name): S ADAMS

ENVIRONMENTAL ASSESSMENT RATING BREAKDOWN

For rates & descriptions see Appendix B - EIA Rating Tables

1. Quantity of Discharge
RATING: 0.0 COMMENT: _____
2. Quality of Receiving Environment
RATING: 0 COMMENT: _____
3. Dillution Capability and Sensitivity of Receiving Environment
RATING: 1.5 COMMENT: _____
4. Actual or Intended Uses of Receiving Environment
RATING: 2 COMMENT: _____
5. Public/Agency Sensitivity
RATING: 0 COMMENT: _____
6. Potential and Actual Human Safety and Health
RATING: 0 COMMENT: _____

* Valid code required

SITE INFORMATION

* MONITORING
AND DISCHARGE SITE

NOTE: If the site is already defined in the SEAM database, complete only the bolded fields & incinerator data if it applies.

* Permit/Approval Number: PA04670

* WASTE Site Number: 1

USE WASTE APPENDIX

SEAM Site Number: _____

LEAVE BLANK

* Site Name: Imperial Oil Ltd., Armstrong Storage Tanks
(MEANING FULLNAME)

Legal Description: part of N.W 1/4 of Sec 13, Tp.7, Plan A10614, Lot A.O.D.Y.D.
(50 Char)

PHOTO COPY AND ATTACH

Sampling Point Description: Storage Tank Vents

*SCC: _____

If the SCC code is unknown, please give a brief description:

* *Relation: 5

*Fish & Wildlife Management Unit (optional): _____

* *Site Type: 09

* *Category: 3

* *Discharge To: 4

IF THE SITE IS AN INCINERATOR, PLEASE COMPLETE THE FOLLOWING:

*Incinerator Type: _____

Incinerator Model: _____

Incinerator Design Rating: _____

*Incinerator Fuel Type: _____

Incinerator Fuel Consumption: Qty: _____ *Units: _____

Sulphur Content: _____%

Operating Period: _____ hours/day _____ days/week

* Valid code required

TABLE SUPPORTED SEE THE BUNDLE

SITE INFORMATION

* MONITORING
AND DISCHARGE SITE

NOTE: If the site is already defined in the SEAM database, complete only the bolded fields & incinerator data if it applies.

* Permit/Approval Number: PA04670

* WASTE Site Number: 2

USE WASTE APPENDIX

SEAM Site Number: _____

LEAVE BLANK

* Site Name: Imperial Oil Ltd. Armstrong - Loading Area
(MEANING FULNAME)

Legal Description: part of N.W 1/4 of Sec 13, Tp.7, Plan A10614, Lot A.D.D.Y.D
(50 Char)

PHOTO COPY AND ATTACH

Sampling Point Description: Tank Truck Loading Area RACK

* SCC: _____

If the SCC code is unknown, please give a brief description:

* Relation: 4 ?

* Fish & Wildlife Management Unit (optional): _____

* Site Type: 09 ?

* Category: 3

* Discharge To: 4

IF THE SITE IS AN INCINERATOR, PLEASE COMPLETE THE FOLLOWING:

* Incinerator Type: _____

Incinerator Model: _____

Incinerator Design Rating: _____

* Incinerator Fuel Type: _____

Incinerator Fuel Consumption: Qty: _____ *Units: _____

Sulphur Content: _____%

Operating Period: _____ hours/day _____ days/week

* Valid code required

TABLE SUPPORTED SEE THE BUNDLE

CONTACT INFORMATION

☒ Permit/Approval Number: _____
☒ Primary Contact : YES _____ NO _____

ORGANIZATION: Name: _____

☒ CONTACT: Surname: _____
Salutation (e.g. Dr. V. Smith): _____
Given Names: _____ Preferred Names (optional): _____

Sex : MALE _____ FEMALE _____

☒ Contact Title: _____

If Address matches that of the Client, then leave ADDRESS including Phone Number information blank.

ADDRESS: Suite # _____
Street Number _____
Street Name _____
Street Type _____
Direction/Quadrant _____
PO Box _____
Postal Station _____
Rural Route _____
Site _____
Compartment _____
Bag _____
City _____
Prov/State (default BC) _____
Country (default CANADA) _____
Postal/Zip Code _____
Address Prefix (max 80 alpha) _____

Business Phone: (____) _____
FAX Number: (____) _____
Radio Phone: _____



MINISTRY OF ENVIRONMENT
WASTE MANAGEMENT BRANCH

Permit No. PA-4670
Date of Inspection Dec 4/84

PERMIT INSPECTION

Permittee IMPERIAL OIL LTD.
Location Armstrong

A. SAMPLES TAKEN YES ☐ NO ☒

Sources Sampled _____

B. OBSERVATIONS AND COMMENTS:

- ① STORAGE TANKS - VENTS & FLOATING ROOF SATIS.
- ② LOADING RACKS - SATIS.
- ③ OIL/WATER SEPARATION - ~ 90 GALL/YR - PICKED UP BY MUNICIPALITY (PUMPED OUT IN JUNE 1984).

C. PERMIT COMPLIANCE IN ☒ OUT ☐

Based on Site Observations.

COMMENTS: _____

D. ACTION REQUIRED BY PERMITTEE: _____

[Signature]
Permittee or Representative's Signature

[Signature]
For Waste Management

Regional Office Follow-up: _____

Original to File
Copy to Permittee

- ☒ Permit Inspection
☐ Sampling Inspection

Inspected by SNRDate MAY 5/83I. Permit No. PA 4670 Name IMPERIAL OIL LTD. (Trinidad plant)Location SPALLUMCHURNContacted JACK GRATHAMPosition LOCAL TOWN - MGR-R
BULK SYSTEMS
DIV. OF L.P. TRANS.
4544014

II. A. WOODWASTE BURNER

1. General:

- a) Structural condition _____
b) Controls- ☐ Man. ☐ Auto
c) Top damper ☐ _____
c) Underfire air ☐ _____
e) Overfire air ☐ _____

2. Emission Characteristics:

- a) Chart reading _____
b) Time _____
c) Opacity _____
d) Weather _____

B. MISCELLANEOUS

- | 1. a) Works <u>(01) TANKS</u> | | 2. a) Works <u>(02) LOADING MACH.</u> | | a) Works _____ | |
|--|--|---|--|----------------|--|
| b) Emission visible? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | b) Emission visible? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | b) Emission visible? <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| c) Condition of works <u>SATH</u> | c) Condition of works <u>SATH</u> | c) Condition of works _____ | | | |
| d) Remarks _____ | d) Remarks _____ | d) Remarks _____ | | | |

III. Status of Permit (as per field inspection) Compliance

IV. Action Recommended _____

V. Instructions left with Permittee REPORT ANY SPILLS TO OUR REGIONAL OFFICE (492-8261)

VI. Additional Comments (1) OIL SPILLAGE M.T. 2 WKS AGO -
MAN. OF SPALLUMCHURN TOOK IT LAST 2 TIMES.
(2) VENTS WORKING OK. (PREVIOUS HAD VENTS)
(3) NO SPILLS.
(4) 13 EMPLOYEES PERM.

Signed: A. Adams
OVER →



Province of British Columbia
Ministry of Environment

WASTE MANAGEMENT - OKANAGAN REGION

PERMIT INSPECTION NOTICE

The discharge(s) and waste management works authorized under Pollution Control Permit PA 4670

in the name of TEMPERANCE OIL LTD were inspected

on May 5/83 (Date) and found to be: ☒ Substantially in compliance with above-noted permit.
☐ Out of compliance with above-noted permit.

The outstanding technical and (or) administrative items that require your further attention and remedial action are as follows:

1. _____
2. _____
3. _____
4. _____

GENERAL COMMENTS

1. OIL/WATER SEPARATOR NOT 2 WKS AGO
2. SITE - SATISFACTORY
3. _____

Any further inquiries or advice on above items can be directed to the Ministry of Environment at:

3547 SKAHA LAKE ROAD
PENTICTON, B.C.
V2A 7K2
Phone: 493-8261

(Signature of Permittee or Agent on receipt of this notice)

[Signature]

☐ PERMITTEE REFUSED TO SIGN
☐ PERMITTEE NOT AVAILABLE

REGIONAL WASTE MANAGER

per [Signature]
(Inspection Officer)

- ☒ Permit Inspection
☐ Sampling Inspection

Inspected by SRA
 Date MAY 13/82

I. Permit No. PA 4670 Name INDUSTRIAL OIL LTD.

Location NEAR ARMSTRONG (BEHIND C-2 SAWMILL)

Contacted JACK GRAHAM Position TERMINAL MANAGER

PPR BULK SYSTEMS
DIV. OF C.P. TRANS.
AND PROPS.

II. A. WOODWASTE BURNER

1. General:

- a) Structural condition _____
 b) Controls- ☐ Man. ☐ Auto
 c) Top damper ☐ _____
 c) Underfire air ☐ _____
 e) Overfire air ☐ _____

2. Emission Characteristics:

- a) Chart reading _____
 B) Time _____
 c) Opacity _____
 d) Weather _____

B. MISCELLANEOUS

- | | | |
|---|--|---|
| a) Works <u>(01) TANKS</u> | 2. a) Works <u>(02) LOADING RACK</u> | 3. a) Works _____ |
| b) Emission visible? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | b) Emission visible? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | b) Emission visible? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| c) Condition of works <u>SATIS.</u> | c) Condition of works <u>SATIS.</u> | c) Condition of works _____ |
| d) Remarks <u>THREE OF 10 TANKS HAVE VENTS - OPERATING NORMALLY. THE OTHER 7 TANKS HAVE FLOATING ROOFS.</u> | d) Remarks _____ | d) Remarks _____ |

III. Status of Permit (as per field inspection) COMPLIANCE.

IV. Action Recommended _____

V. Instructions left with Permittee REPORT ANY SPILLS TO OUR PENTICTON OFFICE. (493-8261).

VI. Additional Comments ① DRY-BAG VALVES USED IN LOADING TRUCKS OPERATE WELL PER T.G. ② NO SPILLS 1982 TO DATE. ③ OIL/WATER SEPARATOR HAS ~ 200 GALS OIL IN IT - WILL BE MT INTO 45 GAL DRUMS FOR 1000 REFINERIES IN VANC. ④ PLANS FOR CLOSING OUT VIETNAM & BRIDGES PLANT HERE IN ABEYANCE. Signed: A. V. Downing
⑤ 10 EMPLOYEES (i.e. 8 DRIVERS, 1 TRANSFER MAN, AND 1 MANAGER).

- ☒ Permit Inspection
☐ Sampling Inspection

Inspected by SRADate 8/12/18I. Permit No. PA-4670 Name IMPERIAL OIL LIMITEDLocation NEAR ARMSTRONGContacted JACK G Terminal ManagerJ R (Jack) Graham
Terminal Manager

II. A. WOODWASTE BURNER

1. General:

- a) Structural condition _____
b) Controls- ☐ Man. _____
c) Top damper ☐ _____
c) Underfire air ☐ _____
e) Overfire air ☐ _____

CP Transport

Bulk and Contract Division
Otter Lake Cross Road, R.R. 3, Armstrong, B.C. V0E 1B0
Tel (604) 548-3025

istics:

c) Opacity _____

d) Weather _____

B. MISCELLANEOUS

- | | | |
|--|--|---|
| a) Works <u>(01) TANKS</u> | 2. a) Works <u>(02) LOADING RACK</u> | 3. a) Works _____ |
| b) Emission visible? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | b) Emission visible? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | b) Emission visible? <input type="checkbox"/> Yes <input type="checkbox"/> No |
| c) Condition of works <u>SATIS.</u> | c) Condition of works <u>SATIS.</u> | c) Condition of works _____ |
| d) Remarks <u>ALL VENTILATION SAID TO BE WORKING NORMALLY.</u> | d) Remarks <u>LITTLE EVIDENCE OF ANY SPILLAGE.</u> | d) Remarks _____ |

III. Status of Permit (as per field inspection) COMPLIANCE.

IV. Action Recommended _____

V. Instructions left with Permittee REPORT ANY SPILLS TO OUR REGIONAL OFFICE (i.e. PENTICTON 493-8261).

VI. Additional Comments (1) DRY-BREAK VALVES USED IN LOADING TRUCKS (2) OPTICAL SENSORS SHUT OFF PUMPS & CLOSES VALVES. (3) NO SPILLS IN 1981 PER J.G. (4) USE OIL/WATER SEPARATOR FOR ANY FUEL COLLECTED IN COMMON COLLECTION TANK (5) FUTURE PLANS INCLUDE CLOSING OUT ENDERBY & VERNON BULK PLANTS.

Signed: S. A. [Signature]

INSPECTION REPORT - AIR

- ☒ Permit Inspection
☐ Sampling Inspection

Inspected by GNFDate 15 MAY 1980-NO CHANGE 30/8/19-PKWI. Permit No. PA-4670 Name IMPERIAL OIL - BULK PLANTLocation ARMSTRONGContacted M. Jack Graham Position Superintendent

II. A. WOODWASTE BURNER

1. General:

- a) Structural condition _____
 b) Controls- ☐ Man. ☐ Auto
 c) Top damper ☐
 c) Underfire air ☐
 e) Overfire air ☐

2. Emission Characteristics:

- a) Chart reading _____
 B) Time _____
 c) Opacity _____
 d) Weather _____

B. MISCELLANEOUS

1. a) Works Bulk Plantb) Emission visible? ☐ Yes ☒ Noc) Condition of works O.K.d) Remarks None

2. a) Works _____

b) Emission visible? ☐ Yes ☐ No

c) Condition of works _____

d) Remarks _____

3. a) Works _____

b) Emission visible? ☐ Yes ☐ No

c) Condition of works _____

d) Remarks _____

III. Status of Permit (as per field inspection) In complianceIV. Action Recommended None

V. Instructions left with Permittee

Report any gas spill to the Vernon officeVI. Additional Comments NoneSigned: [Signature]

File: 0262100-PA-4670

From: Asst. Regional Manager,
Okanagan

Subject: IMPERIAL OIL LTD. & FEDERATED COOP
Bulk Oil Storage Tanks on Otter Lake Cross Road,
south of Armstrong.

Upon checking, I advised Mr. Graham that Imperial Oil Ltd. was covered by Permit PA-4670 but that it didn't appear that Federated Co-op had a Permit. I indicated to him that we would check into the matter and advise him.

Robert J. Dwyer

RJD:em

ISS.	DATE	SIGNED
		<i>[Signature]</i>

L/E

INSPECTION REPORT - AIR

- ☒ Permit Inspection
☐ Sampling Inspection

Inspected by ZAC
 Date JAN. 9/78

I. Permit No. PA4670 Name IMPERIAL OIL LTD.
 Location OTTER LAKE CROSS ROAD
 Contacted MURRAY BAKER Position JR. CLERK.

B. MISCELLANEOUS

1. a) Works <u>TANK FARM</u>	2. a) Works <u>LOADING RACK</u>	3. a) Works <u></u>
b) Emission visible? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	b) Emission visible? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	b) Emission visible? <input type="checkbox"/> Yes <input type="checkbox"/> No
c) Condition of works <u>GOOD</u>	c) Condition of works <u>GOOD</u>	c) Condition of works <u></u>
d) Remarks <u></u>	d) Remarks <u>VAPOURS VISIBLE DURING TRUCK LOADING.</u>	d) Remarks <u></u>
1. a) Works <u></u>	2. a) Works <u></u>	3. a) Works <u></u>
b) Emission visible? <input type="checkbox"/> Yes <input type="checkbox"/> No	b) Emission visible? <input type="checkbox"/> Yes <input type="checkbox"/> No	b) Emission visible? <input type="checkbox"/> Yes <input type="checkbox"/> No
c) Condition of works <u></u>	c) Condition of works <u></u>	c) Condition of works <u></u>
d) Remarks <u></u>	d) Remarks <u></u>	d) Remarks <u></u>

III. Status of Permit (as per field inspection) IN COMPLIANCE

IV. Action Recommended

V. Instructions left with Permittee

VI. Additional Comments. COMMENCED OPERATION JULY 14TH 1977 - NO PROBLEMS SINCE START-UP.

Signed: BZ

PERMIT INSPECTION REPORT - A.

FILE: PA-4670

Permit No. PA- 4670 ☒ issued FEB 22 1977

☐ amended

and the related operation of IMPERIAL OIL LTD. (TRANSFER PLANT)
located at ARMSTRONG (GARRY KIRCHNER)

were inspected on APRIL 5 19 84.

Type of discharge: ☐ municipal ☒ industrial

Permit Compliance:

A. Administrative:

- Housekeeping: ☒ Acceptable ☐ Unacceptable

- Comments: _____

- Submission of results: ☐ YES ☐ NO ☒ N/A

- Reporting period of last results received: _____

- Plans submitted and approved: ☐ YES ☐ NO ☒ N/A

- Comments: _____

B. Technical:

1. Observations (Particulate (opacity) emissions/odours):

Source

Comment

2. Monitoring Results:

Monitoring Results from ☐ Permittee ☐ Ministry

Appendix No.

Opacity (%)

Temperature

Particulate matter

TRS (as S)

SO₂

NO₂

VISUALLY
WORKS

Ambient air quality: Monitoring Required: ☐ YES ☒ NO

If YES: ☐ In Compliance ☐ Out of Compliance ☐ N/A

C. Sample(s) taken: ☐ YES ☒ NO ☐ Emission ☐ Receiving Environment

D. Environmental Impact: ☐ High ☐ Medium ☒ Low

Comments: _____

General Comments: (1) WORKS SATIS. (2) NO SPILLS
IN 1983 (3) OIL/WATER SEPARATOR 2" OIL
ON 23 FT HD. (4) APPROX. 3 X 45 GAL
DRAUMS OIL COLLECTED PER YEAR.

Recommendations:

(1) REPORT ANY SPILLS TO OUR REGIONAL OFFICE
(493.8261).

G. Overall Permit Compliance: ☒ IN ☐ OUT

Comments: _____

Received by:

R. Garry Kirchner

Permittee signature

S. Adonise

signed by (R.O.)

MEMORANDUM

lm-0

TO Chief, Industrial Division
 Chief, Regional Division
 Regional Manager
 Expeditor

FROM

C.T.O. - Industrial

February 14 1977

SUBJECT APPLICATION RESUME MEETING MINUTES
 February 14, 1977

OUR FILE 0262100-AA-4670

YOUR FILE

#77-27 Imperial Oil Ltd., Armstrong (KKB)

Concur with resume recommendations.

Note

Chief, Industrial Division absent, therefore, no minute approval available.

V.L. Morandini
 V.L. Morandini

VLM:mm

DIST.	DATE	SIGNED
WAK	1/14/77	<i>[Signature]</i>
KAG	2/14/77	<i>[Signature]</i>

Ed
 Inspection should
 be annual. *KAG*



RESUME FOR PERMIT APPLICATION

Application on behalf of Imperial Oil Ltd., located near Armstrong,
B.C., dated December 8, 1976

1. APPLICATION

Imperial Oil Ltd. has applied to the Director to emit contaminants into the air from a proposed bulk petroleum storage plant to be located near Armstrong, B.C. The rates of discharge under application are 35 SCFM (maximum) and 3.4 SCFM (average). The characteristics of the contaminants will be hydrocarbon vapours from petroleum products. No specific treatment is applied to the discharge.

2. AMENDMENTS

Amendments to be made as per RECOMMENDATIONS.

3. HISTORY

The application is for a proposed plant.

4. ADMINISTRATIVE ASPECTS

The application was posted, published and circulated to the agencies in accordance with the Act.

5. POLICY OR OBJECTIVES

"Pollution Control Objectives for the Chemical and Petroleum Industries of British Columbia" are applicable to emissions from bulk storage plants. All storage tanks at this plant meet the requirements of the objectives.

6. AGENCY COMMENTS

Health Branch had no objections to the emissions. Environment Canada and other agencies have not commented on the application at the time of this writing.

7. OBJECTORS

None.

8. REGIONAL OFFICE REPORT

The Regional Office had no objections to a Permit being issued for the emissions as per application.

9. SECURITY REQUIREMENTS

None.

10. DISCUSSION OF TECHNICAL ASPECTS

The discharge from the plant is very small and should have no effect on the receiving environment.

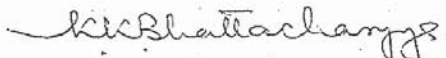
11. RECOMMENDATIONS

It is recommended that the Director amend the application as follows and issue a Permit in accordance with Section 5(3b) of the Act.

<u>SOURCE</u>	<u>RATE OF DISCHARGE AND CHARACTERISTICS</u>
(1) 10 Petroleum Products Storage Tanks	maximum - 35 SCFM (0.69 mol/s) of hydrocarbon vapour as hexane duration - 3 hours frequency - twice/day average - 3.0 SCFM (0.059 mol/s) of hydrocarbon vapour as hexane normal operating period - continuous
(2) Tank Truck Loading Rack	maximum - 10 SCFM (0.196 mol/s) of hydrocarbon vapour as hexane duration - 1 hour frequency - twice/day average - 1 SCFM (0.020 mol/s) of hydrocarbon vapour as hexane normal operating period - 8 hours/day, 6 days/week

Characteristics are typical of emissions from petroleum products storage tanks and tank truck loading of petroleum products.

No monitoring is recommended.


K.K. Bhattacharyya

KKB:mn

APPROVED		
PROCESS	INITIAL	DATE
ENGINEER	KKB	11/2
SEC HEAD	KKB	11/2
DIV CHIEF		

TECHNICAL ASSESSMENT FOR PERMIT APPLICATION

Application on behalf of Imperial Oil Ltd., located near Armstrong,
B.C., dated December 8, 1976.

1. SOURCE OF DISCHARGE

The source of discharge is a proposed bulk petroleum storage plant to be located just outside Armstrong. Fuel will be brought to the plant in tanker trucks and rail tank car and transferred into storage tanks. There will be ten storage tanks - one 7000 Bbl, one 5000 Bbl, three 2665 Bbl and five 570 Bbl. Gasoline, diesel and stove oil will be stored in these tanks. The entire tank farm area will be surrounded by an earthen dyke about three feet high. There will be two 18 in. drains running across the tank farm to a sump and an oil separator.

The petroleum products will be loaded into delivery tank trucks and drums through a loading rack. The rates of discharge from storage tanks and the loading rack as per application are as follows:

- | | |
|-------------------------------------|--|
| (1) Seven hydrocarbon storage tanks | maximum - 35 SCFM of hydrocarbon vapour as hexane
duration - 3 hours; frequency - twice/day
average - 3.0 SCFM of hydrocarbon vapour as hexane
normal operating period - 12 hours/day. |
| (2) A hydrocarbon loading rack | maximum - 8.6 SCFM of hydrocarbon vapour as hexane
duration - 1 hour; frequency - twice/day
average - 0.4 SCFM of hydrocarbon vapour as hexane
normal operating period - 8 hours/day, 6 days/week |

2. TREATMENT OF DISCHARGE

Although no specific treatment will be applied to the emissions, the following measures will be taken to reduce hydrocarbon emission and comply with P.C. Objectives.

- (1) Four gasoline storage tanks (3 x 2665 Bbl. and 1 x 5000 Bbl capacity) will have pan type floating roofs.
- (2) Three smaller size gasoline storage tanks (570 Bbl each) will be fixed roof tanks with vacuum/pressure vents.
- (3) Other tanks (2 x 570 Bbl for stove oil and 1 x 7000 Bbl for diesel oil) will be fixed roof with vents.
- (4) All tanks will be light coloured. The fuel will be transferred by submerged loading into tank trucks.

3. RECEIVING ENVIRONMENT

The site is located on Otter Lake Cross Road a few miles south of Armstrong, and opposite to the Crown Zellerbach Plywood Sawmill complex. The surrounding area is mainly farmland and the nearest residence is about 600 ft. to the north.

4. PROPOSED MONITORING

No monitoring is proposed for the Permittee.

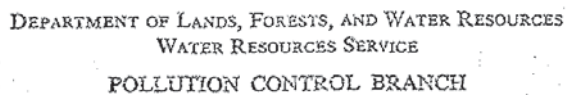
5. ASSESSMENT

Although a bulk petroleum storage plant may have a number of tanks for handling various products, the major emission of hydrocarbon vapour occurs during handling of gasoline only. The quantity of emission from handling of other products is insignificant and the exact quantity is difficult to estimate. Therefore, only approximate rates of discharge based on gasoline handling should be used to incorporate the whole plant under permit. The handling should be used to incorporate the whole plant under permit. The vapour emitted from the operation is usually a mixture of various hydrocarbon compounds of unknown composition, so the quantity of emission is expressed as hexane, C_6H_{14} . The rates of emission can be calculated by following the American Petroleum Institute publication No.4080, dated July 1971: "Recommended Procedures for estimating evaporation and handling losses of volatile petroleum products in marketing operations."

The true vapour pressure of stove oil and diesel oil is less than 0.5 p.s.i.a.; therefore the emission of hydrocarbon vapour from these storage tanks will be of minor nature. Gasoline storage tanks meet the requirements of the Objectives. The quantity of discharge is small and the receiving environment is not expected to be adversely affected.


K.K. Bhattacharyya

KKB:mm

[illegible]

Esso 2000 (UNLEADED)

part of N.W. ¼ of Sec.13, Tp7, Plan A10614, Lot A. O.D.Y.D.

(Name of applicant(s))

8/12/79
(Date)

(Signature of ~~applicant~~) or agent)

(FOR OFFICE USE ONLY)

(Date Issued)

(Director, Pollution Control Branch)

Appendix _____ to Permit No. _____

file

DEPARTMENT OF ENVIRONMENT
WATER RESOURCES SERVICE
POLLUTION CONTROL BRANCH
REFERRAL SLIP

To: Bill McKelvey, P.C.D., Victoria
From: Bill Kaskela Date: 17 Jan. 77
Location: Victoria Phone: _____

For:

- | | |
|--|--|
| <input type="checkbox"/> Action. | <input type="checkbox"/> Note and file. |
| <input type="checkbox"/> Approval. | <input type="checkbox"/> Note and forward. |
| <input type="checkbox"/> Checking. | <input type="checkbox"/> Note and return. |
| <input type="checkbox"/> Comments. | <input type="checkbox"/> Prepare reply for my signature. |
| <input type="checkbox"/> Discuss with me. | <input type="checkbox"/> Reply direct. |
| <input type="checkbox"/> Draft reply. | <input type="checkbox"/> Return with drafted reply. |
| <input type="checkbox"/> Filing. | <input type="checkbox"/> See me. |
| <input checked="" type="checkbox"/> Information. | <input type="checkbox"/> Signature. |
| <input type="checkbox"/> Investigation and report. | <input type="checkbox"/> Your request. |
| <input type="checkbox"/> More details. | |

Remarks: Life Inspection Report
for AA-4670.

To: Chief - Industrial Division
Pollution Control Branch

DATE: January 14, 1977

FILE: 0262100-AA-4670

Attn: W.H. WELDON, P.Eng.
Head, General Section

FROM: Engineering Asst. (Air),
Okanagan

Re: Application for a permit on behalf of IMPERIAL OIL LIMITED,
Armstrong (AA-4670).

I. INTRODUCTION

On January 4, 1977, GNF conducted a site inspection of the Imperial Oil Limited petroleum products marketing agency in Spallumcheen.

A copy of the permit application was posted on a pole located at the entrance to the property.

II. PROCESS

The Agency's storage facilities will consist of ten above-ground storage tanks. The tanks' product contents, capacity, roof type and venting system are listed in Table I. The tanks will be contained within a tank farm which itself will be surrounded by an earthen dyke about three feet high. Two 18-inch drains will run across the tank farm towards a sump and a gas separator. Incoming tanker trucks will be bottom unloaded into the storage tanks. Delivery trucks for local sales will be filled by submerged loading at the Agency's loading rack.

The subject petroleum marketing agency will be typical of marketing agencies throughout the province. However, four of their gasoline storage tanks (three Esso gasoline and one Esso 2000) will have capacities in excess of 54,000 imperial gallons and will therefore be equipped with floating roofs to reduce the emission of hydrocarbon vapors. The three tanks for Esso Extra will be equipped with vacuum/pressure vents. The specifications for these vents are as follows:

set pressure and vacuum:	3/4 oz.
maximum flow:	
pressure:	1.18 oz.
vacuum:	0.87 oz.

It is noted from Table I that the 7000 bbl diesel oil tank will be fitted with an 8-inch mushroom vent. It is not known whether this vent will be a conservation type as required by the Objectives.

...2

III. LOCATION AND ENVIRONMENTAL CONSIDERATIONS

The Agency is located on Otter Lake Cross Road in Spallumcheen Municipality opposite the Crown Zellerbach Plywood sawmill complex as shown in Figure 1. The surrounding area is predominantly farming and the nearest residence is approximately 200 metres north of the site. The nearest watercourse is Deep Creek which flows in a westerly direction about one mile north of the Agency site.

A small subdivision is located about 300 metres north of the site. Mrs. J. Barnes, a resident of that subdivision, has verbally expressed concern regarding any environmental damage that may arise from the plant. She was informed of the nature of the plant and the type of emission associated with it. She was satisfied that the emissions from the storage plant would have very little effect on the area.

IV. DISCUSSION

The major source of concern from a pollution control point of view appears to be from the hydrocarbon emissions originating from the following:

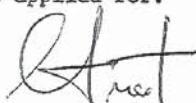
- (a) The loading of the Agency's storage tanks.
- (b) The vents on the gasoline and diesel oil storage tanks.
- (c) The loading of delivery trucks and fuel drums.
- (d) Evaporation of fuel drippings at the loading facilities.

The tanks for storing Esso gasoline, Esso 2000 and Esso Extra (refer to Table I) are in compliance with the Pollution Control Objectives for Chemical and Petroleum Industries (storage tanks) of British Columbia. This is not known for the diesel oil storage tank.

Since the gasoline tanks will be floating roof or conservation vent types and since trucks will employ submerged loading, it is not felt an air pollution problem will be caused by this plant.

V. RECOMMENDATION

It is recommended that the permit be granted as applied for.


G. N. Fricot

GNF:em

Agree with recommendation.
W. G. Kastler
17 Jan. 1977

TABLE 1
STORAGE TANK DATA

TANK	PRODUCT	ROOF	CAPACITY	SIZE	VENTS
T1 T2 T3	ESSO GASOLINE	COVERED FLOATING ROOF	2666 BbL	25' x 34'	1-6" MUSHROOM S J 94241.08
T4	ESSO 2000	COVERED FLOATING ROOF	5000 BbL	30' x 4d	1-6" MUSHROOM S J 94241.08
T5 T6	STOVE OIL	FIXED CONE ROOF	500 BbL	11.5 x 31'	1-3" MUSHROOM S J 94241.08
T7 T8 T9	ESSO EXTRA	FIXED CONE ROOF	500 BbL	11.5' x 31'	1-4" PRESS/VAC BREATHES S J 94020
T14	DIESEL OIL	FIXED CONE ROOF	7000 BbL	40' x 38'	1-8" MUSHROOM S J 94241.08

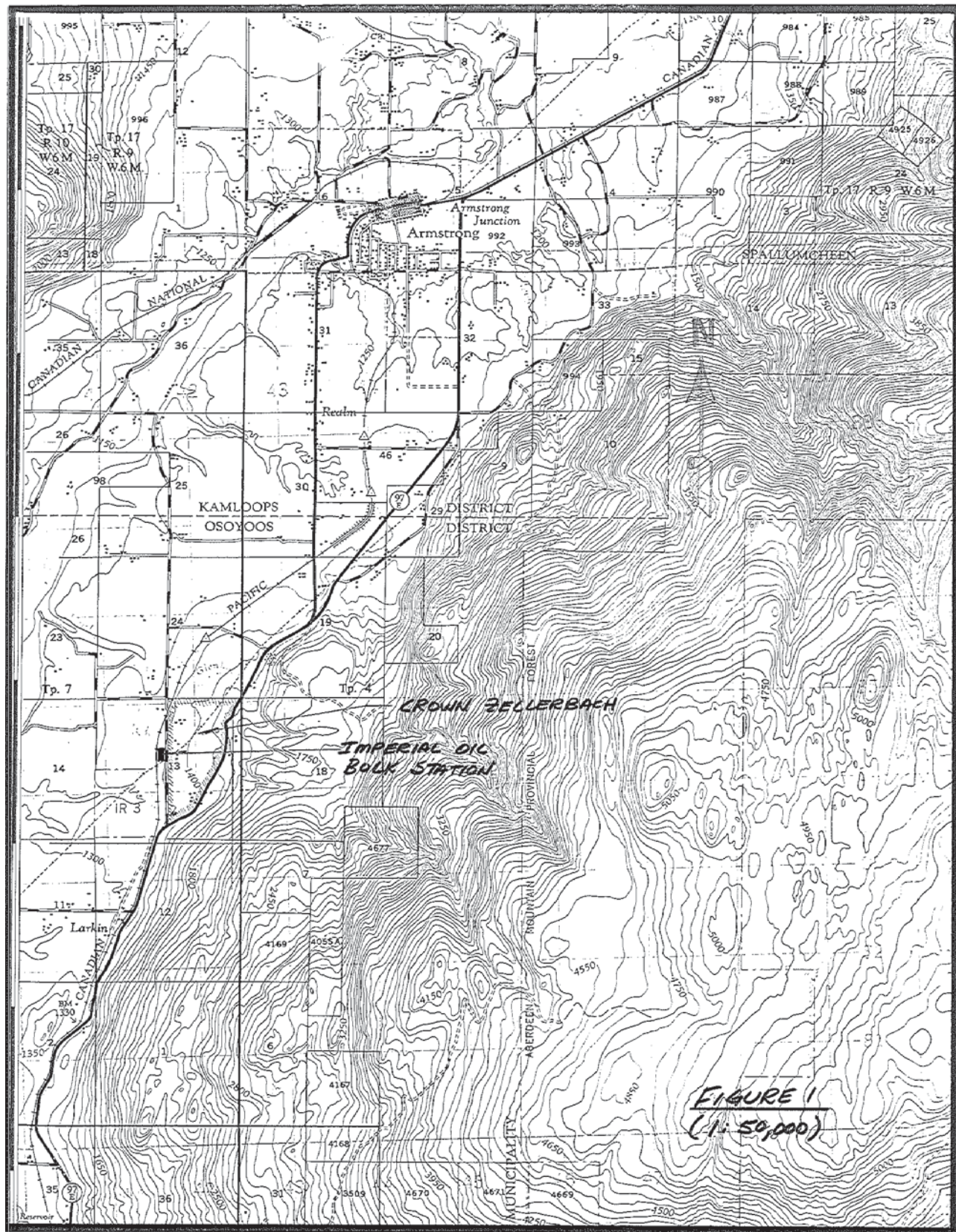


TABLE I

STORAGE TANK DATA
(PURSUANT TO FIRE MARSHALL ACT)

TANK	PRODUCT	ROOF	CAPACITY	SIZE	VENTS	MATERIAL - CARBON STEEL SHELL	WELDED ROOF
T-1 T-2 T-3	ESSO GASOLINE	COVERED FLOATING ROOF	2666 BBL	25'4" x 34'	1-6" MUSHROOM S.I.J. 94241.08	5/16"	3/16"
T-4	ESSO 2000	COVERED FLOATING ROOF	5000 BBL	30'4" x 48'	1-6" MUSHROOM S.I.J. 94241.08	5/16"	3/16"
T-5 T-6	STOVE OIL	FIXED CONE ROOF	500 BBL	11-5'4" x 31'	1-3" MUSHROOM S.I.J. 94241.08	5/16"	3/16"
T-7 T-8 T-9	ESSO EXTRA	FIXED CONE ROOF	500 BBL	11-5'4" x 31'	1-4" PRESS/VAC BREATHING S.I.J. 94020	5/16"	3/16"
T-14	DIESEL OIL	FIXED CONE POOR	7000 BBL	40'4" x 38'	1-8" MUSHROOM S.I.J. 94241.08	1/4"	5/16"
					SET-PRESS. 3/4 OZ. SET-VAC 1/4 OZ. MAX. FLOW PRESS. 118 OZ. VAC. 0.57 OZ.		

00+012

W4+00

CONSTRUCTION
REFERENCE EL.
I.O.L. BENCH MARKS
T.O. MAIN TANK RAILS
E1000-0'

LEGAL DESCRIPTION
LOT 'A' OF PART OF THE NORTH WEST QUARTER
OF SECTION 13, TOWNSHIP 7, COUNTY OF WY.
YALE DIST.

DEPARTMENT OF ENVIRONMENT
WATER RESOURCES SERVICE

POLLUTION CONTROL BRANCH
REFERRAL SLIP

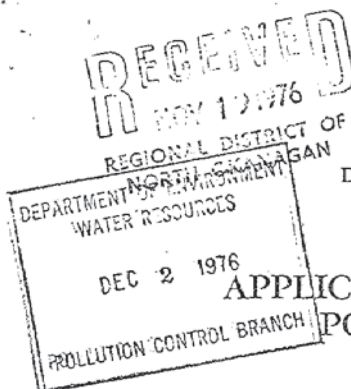
To: Regional Manager - O
From Industrial Date Dec. 1976

Location _____ Phone _____

For:

- | | |
|--|--|
| <input type="checkbox"/> Action. | <input type="checkbox"/> Note and file. |
| <input type="checkbox"/> Approval. | <input type="checkbox"/> Note and forward. |
| <input type="checkbox"/> Checking. | <input type="checkbox"/> Note and return. |
| <input type="checkbox"/> Comments. | <input type="checkbox"/> Prepare reply for my signature. |
| <input type="checkbox"/> Discuss with me. | <input type="checkbox"/> Reply direct. |
| <input type="checkbox"/> Draft reply. | <input type="checkbox"/> Return with drafted reply. |
| <input type="checkbox"/> Filing. | <input type="checkbox"/> See me. |
| <input type="checkbox"/> Information. | <input type="checkbox"/> Signature. |
| <input type="checkbox"/> Investigation and report. | <input type="checkbox"/> Your request. |
| <input type="checkbox"/> More details. | |

Remarks Publishing required

Pollution Control Branch File No. AA-10470DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES
WATER RESOURCES SERVICE
POLLUTION CONTROL BRANCH

DIST.	DATE	SIGNED
WAK	Dec 76	[Signature]
KFE	10/26	KOR

APPLICATION FOR A PERMIT UNDER THE
POLLUTION CONTROL ACT, 1967
(EMISSIONS)

This application is to be filed with the Director, Pollution Control Branch, Parliament Buildings, Victoria, British Columbia. Any person who qualifies as an objector under section 13 (3) of the *Pollution Control Act, 1967* may, within 30 days of the date of application, or within 30 days of the date of publication in *The British Columbia Gazette* or in a newspaper, or, where service is required, within 30 days of the serving of a copy of the application, file with the Director an objection in writing to the granting of a permit, stating the manner in which he is affected. Those who do not so qualify may file with the Pollution Control Board an objection in writing under section 13 (6), in the same manner and time period as described above.

1. I, Imperial Oil Limited

(Full name—if a company, British Columbia registered name)

of 475 West Georgia Street, Vancouver, B.C.

(Address—if a company, British Columbia registered address)

hereby apply to the Director for a permit to discharge or emit contaminant(s) into the air from

10 hydrocarbon storage tanks and 1 loading rack at the Bulk Petroleum Agency

(Type of plant or source)

located at Armstrong, B.C.

(General location)

and give notice of my application to all persons affected.

2. The land upon which the works are located is part of N.W. 1/4 of Sec 13, Tp7, Plan A10614,
Lot A. O.D. Y.D.

(Give legal description)

3. The discharge or emission shall be located at above described property which is
adjacent to Otter Lake Cross Road.

(Define relative to some surveyed or commonly known point)

4. The rate of discharge is (dry basis):

(a) Maximum 886 35; Duration 3 hours/day; Frequency twice per day
(SCFM) (Min. per hour or hours per day) (Times per hour or times per day)(b) Average daily (based on normal daily operating period) 3.4
(SCFM)

The operating period during which contaminants will be discharged is

continuous 12 hours per day.

(Continuous, days per week, hours per day)

5. The characteristics of the contaminant(s) to be discharged are as follows: (Insert values after completion of Table (c), column (II) on reverse side.)

Hydrocarbon vapours expressed as Hexane.

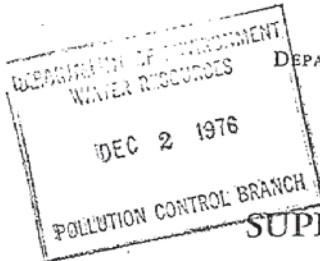
6. The type of treatment to be applied to the contaminant(s) is as follows:

Pressure/vacuum vents on volatile product tanks.Tanks are light coloured to minimize evaporation loss.Submerged loading.7. I, P. MACKIEWICH ADMINISTRATOR

(Name and title of official of regional district)

hereby certify that a copy of this application has been received by the Regional District of

NORTH OKANAGAN
(Signature of official)8. This application, dated on the 8 day of DECEMBER, 1976, was posted
on the ground in accordance with the Pollution Control Regulations.

DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES
WATER RESOURCES SERVICE
POLLUTION CONTROL BRANCH

SUPPLEMENTARY INFORMATION

To Applications for a Permit Under the Provisions of Section 5 (2)
of the Pollution Control Act, 1967 Involving More
Than One Discharge*
(EMISSIONS)As a supplement to my application, dated the 8 day of DECEMBER, 19 76
which was posted on the ground in accordance with the Pollution Control Regulations.I, Imperial Oil Limited
of 475 West Georgia Street, Vancouver, B.C.

hereby provide further particulars and data to the Director respecting my application.

- The source of contaminants is 7 hydrocarbon storage tanks
(Specific portion of plant, etc.)
- The land upon which the works are located is Part of N.W. 1/4 of Sec. 13, Tp 7,
Plan A 10614, Lot A. O.D. Y.D.
(Give legal description—use reverse side if necessary)

- Describe the point of discharge or emission on above described property which is adjacent
to Otter Lake Cross Road.
(Define relative to some surveyed or commonly known point)

- The rate of discharge is (dry basis) (a) Maximum 2883 SCFM;
Duration 3 hour; Frequency Twice per day
(Minutes per hour or hours per day) (Times per hour or times per day)
(b) Average daily based on daily operating period 3.0
(SCFM)

The operating period during which the contaminants will be discharged is
12 hours per day

(Continuous, hours per day, days per week, etc.)

- The type of treatment to be applied to the contaminant(s) before discharge is as follows:

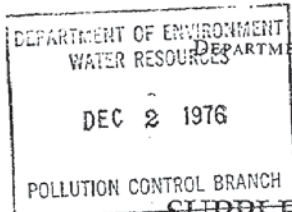
Contaminants	Principal Constituents	Method(s) of Control
SOLIDS (Particulates— Give Ringelmann Number where applicable)		
GASEOUS General	<u>hydrocarbons</u>	<u>light colour tanks</u>
Odorous		<u>pressure vacuum vents</u>
LIQUID		

8/12/76
(Date)B.H. Levelton
(Signature of ~~XXXXXX~~ agent)

B.H. LEVELTON & ASSOCIATES LTD.

This is Supplementary Information Form 1 of 2

* One form to be submitted for each discharge.

DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES
WATER RESOURCES SERVICE
POLLUTION CONTROL BRANCH

SUPPLEMENTARY INFORMATION

To Applications for a Permit Under the Provisions of Section 5 (2)
of the Pollution Control Act, 1967 Involving More
Than One Discharge*
(EMISSIONS)As a supplement to my application, dated the 2 day of DECEMBER, 19 76
which was posted on the ground in accordance with the Pollution Control Regulations.I, Imperial Oil Limited
of 475 West Georgia Street, Vancouver, B.C.
hereby provide further particulars and data to the Director respecting my application.

1. The source of contaminants is a hydrocarbon loading rack
(Specific portion of plant, etc.)
2. The land upon which the works are located is part of N.W. 1/4 of Sec. 13, Tp 7,
Plan A 10614, Lot A, O.D. Y.D.
(Give legal description—use reverse side if necessary)

3. Describe the point of discharge or emission on above described property which is
adjacent to Otter Lake Cross Road.
(Define relative to some surveyed or commonly known point)

4. The rate of discharge is (dry basis) (a) Maximum 8.6;
(SCFM)
Duration one hour per day; Frequency twice per day
(Minutes per hour or hours per day) (Times per hour or times per day)
- (b) Average daily based on daily operating period 0.4
(SCFM)

The operating period during which the contaminants will be discharged is
8 hours per day, 6 days per week.
(Continuous, hours per day, days per week, etc.)

5. The type of treatment to be applied to the contaminant(s) before discharge is as follows:

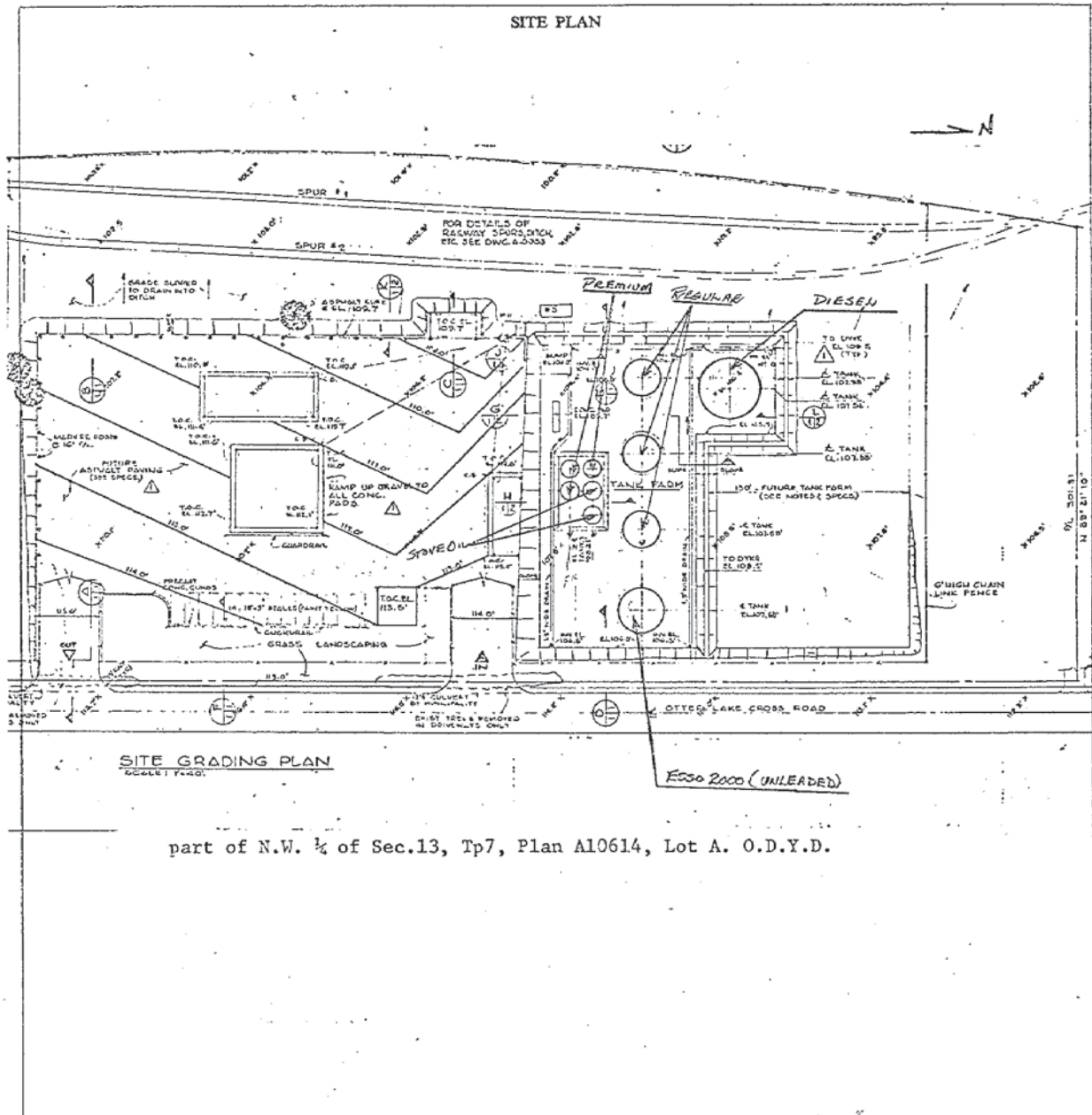
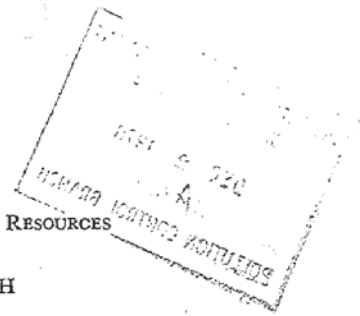
Contaminants	Principal Constituents	Method(s) of Control
SOLIDS (Particulates— Give Ringelmann Number where applicable)		
GASEOUS General	hydrocarbons	submerged loading
Odorous		
LIQUID		

8/12/76
(Date)B.H. Levelton
(Signature of Agent)
B.H. LEVELTON & ASSOCIATES LTD.This is Supplementary Information Form 2 of 2

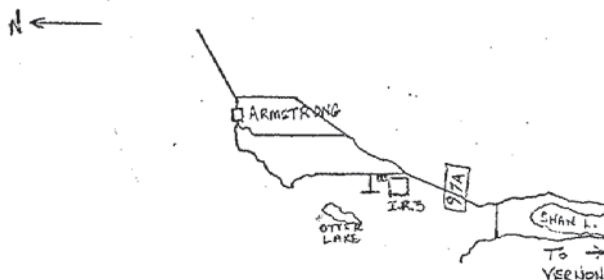
* One form to be submitted for each discharge.



DEPARTMENT OF LANDS, FORESTS, AND WATER RESOURCES
WATER RESOURCES SERVICE
POLLUTION CONTROL BRANCH



LOCATION MAP



<i>Imperial Oil Limited</i> (Name of applicant(s))	
<i>8/12/96</i> (Date)	<i>A. Siskanda</i> (Signature of applicant(s) or agent)
(FOR OFFICE USE ONLY)	
(Date issued)	(Director, Pollution Control Branch)
Appendix..... to Permit No.	