



MINISTRY OF WATER, LAND,
AND AIR PROTECTION

Environmental Protection

PERMIT
PE-6945

Under the Provisions of the Environmental Management Act

TERASEN PIPELINES (TRANS MOUNTAIN) INC.
2600 700 West Georgia Street
Vancouver, British Columbia
V7Y 1B3

is authorized to discharge effluent to the water from an oil handling facility located at 7815 Shellmont Street, Burnaby, British Columbia, subject to the conditions listed below. Contravention of any of these conditions is a violation of the *Environmental Management Act* and may result in prosecution.

1. AUTHORIZED DISCHARGES

1.1. This section applies to the discharge of effluent from the dyked tank areas. The site reference number for this discharge is E213878.

1.1.1 The maximum authorized rate of discharge is 17,500 cubic metres per day.

1.1.2 The authorized discharge period is continuous.

1.1.3 The characteristics of the discharge shall be:

Total Extractable Hydrocarbons, 5.0 mg/L, maximum;

Total Suspended Solids (non-filterable residue), 20.0 mg/L, maximum;

Toxicity (96HRLC50)*, 100%, minimum.

* 96HRLC50 static bioassay on salmonid species, expressed as percent by volume of effluent in water required to give 50 percent survival over 96 hours.

Date issued: January 23, 1984

Date amended:
(most recent)

FEB 17 2005

Page 1 of 4

A handwritten signature in black ink, appearing to read "R.H. Robb".
R.H. Robb
for Director, *Environmental Management Act*
Lower Mainland Region
Permit Number: PE-6945

PROVINCE OF
BRITISH COLUMBIA

Environmental Protection

- 1.1.4 The authorized works consist of sump systems (equipped with underflow weir, oil detection device, low and high level alarms and motor operated valve) in each tank bay, manual through the dyke drainage valve for each tank bay, two oil/water separators (each equipped with an oil detection device, motor operated valve), a containment lagoon and related appurtenances approximately located as shown on Site Plan A.
- 1.1.5 The authorized works must be completed and in operation on and from the date of this amended permit.
- 1.1.6 The location of the facilities from which the discharge originates and the location of the point of discharge is LOT: C PL: 17387 DL: 141/142 LD: 37 NEW WESTMINSTER GROUP 1 EXCL PL: 65962 PID 003-296-661 7715-1489 7425-1488.

2. GENERAL REQUIREMENTS

2.1. Maintenance of Works

The permittee shall inspect the authorized works regularly and maintain them in good working order. Notify the Regional Manager, Environmental Protection, of any malfunction of these works.

2.2. Bypasses

The discharge of effluent which has bypassed the authorized treatment works is prohibited unless the approval of the Director is obtained and confirmed in writing.

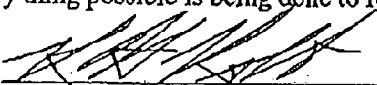
2.3. Emergency Procedures

In the event of an emergency which prevents compliance with a requirement of this permit, that requirement shall be suspended for such time as the emergency continues or until otherwise directed by the Director provided that:

- (a) Due diligence was exercised in relation to the process, operation or event which caused the emergency and that the emergency occurred notwithstanding this exercise of due diligence;
- (b) The Regional Manager, Environmental Protection, is immediately notified of the emergency; and
- (c) It can be demonstrated that every thing possible is being done to restore

Date Issued: January 23, 1984
Date Amended: FEB 17 2005
(most recent)

Page 2 of 4


R.H. Robb
for Director, Environmental Management Act
Lower Mainland Region
Permit Number: PE-6945

PROVINCE OF
BRITISH COLUMBIA

Environmental Protection

compliance in the shortest possible time.

Notwithstanding (a), (b) and (c) above, the Director may require the operation to be suspended or production levels to be reduced to protect the environment while the situation is corrected.

2.4. Process Modifications

The Regional Manager, Environmental Protection, shall be notified prior to implementing changes to any process that may adversely affect the quality and/or quantity of the discharge.

2.5. Oil Separators Residue

Oil and settled residue removed the oil separators shall be disposed in a manner acceptable to the Director.

3. MONITORING AND REPORTING REQUIREMENTS

3.1. Flow Measurement

Provide and maintain a suitable flow measuring device and record once per week the effluent volume discharged over a 24-hour period.

3.2. Grab Sampling

A suitable sampling facility shall be installed and a grab sample of the effluent authorized by Section 1.1 shall be obtained once each month. Proper care should be taken in sampling, storing and transporting the samples to adequately control temperature and avoid contamination, breakage, etc.

Date Issued: January 23, 1984

Date Amended: FEB 17 2005
(most recent)

Page 3 of 4


R.H. Robb

for Director, *Environmental Management Act*
Lower Mainland Region
Permit Number: PE-6945

PROVINCE OF
BRITISH COLUMBIA

Environmental Protection

3.3. Analysis

Obtain analyses of the sample for the following:

<u>Parameter</u>	<u>Frequency</u>
Total Organic Carbon,	Monthly;
Total Hydrocarbons,	Monthly;
Total Suspended Solids,	Monthly;
Toxicity (96HRLC50),	Annually;

3.4. Data Reporting

Maintain data of analyses and flow measurements for inspection and submit the data, suitably tabulated, to the Regional Manager, Environmental Protection, for the previous year. The first report is to be submitted by January 31, 2006. All reports shall be submitted annually thereafter.

3.5. Compliance Assessment Reporting

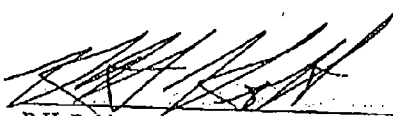
The Permittee shall submit, in a form and manner acceptable to the Director, permit compliance assessments. The first assessment, for the year 2005, is due January 31, 2006. Assessments are due annually, thereafter.

Date Issued: January 23, 1984

Date Amended:
(most recent)

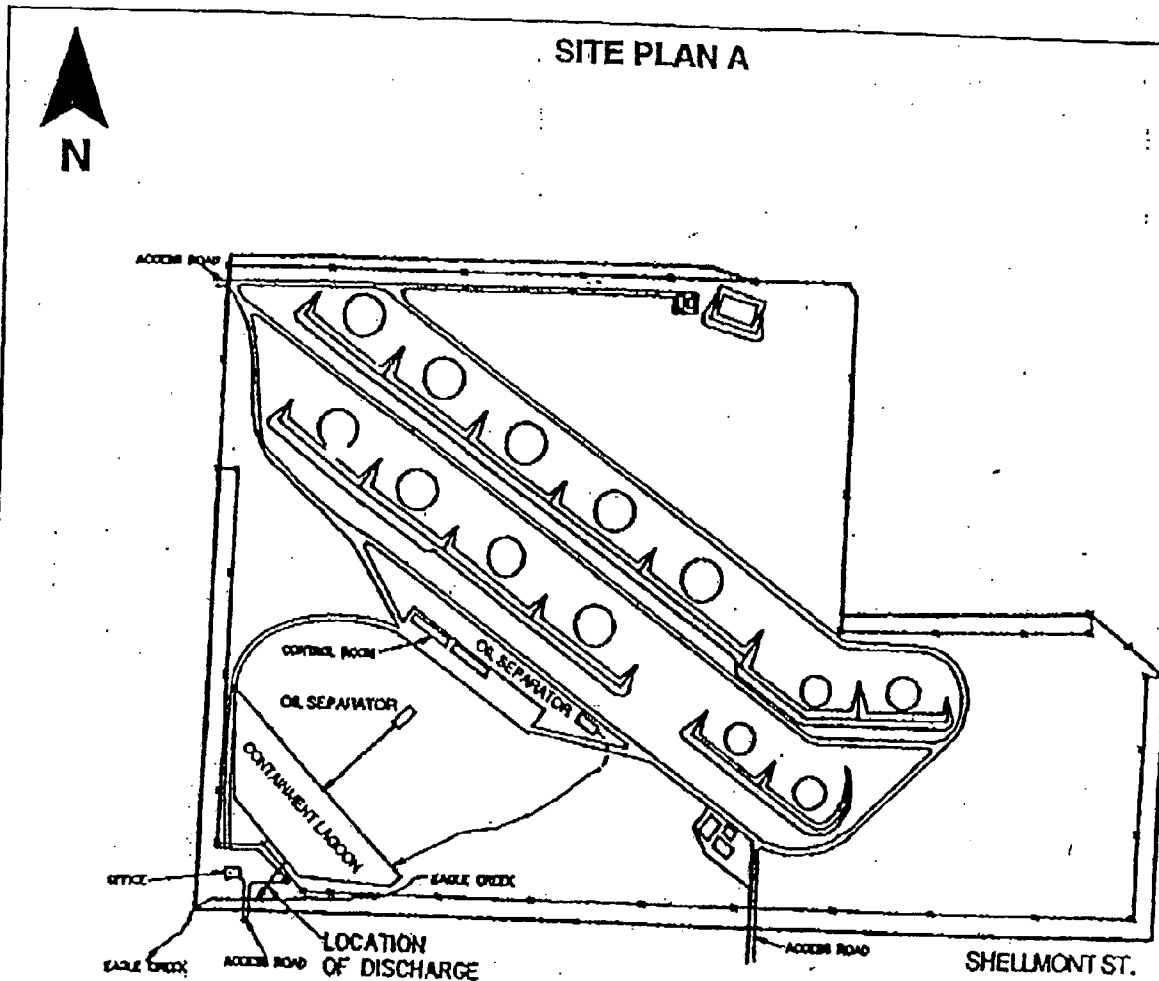
FEB 17 2005

Page 4 of 4

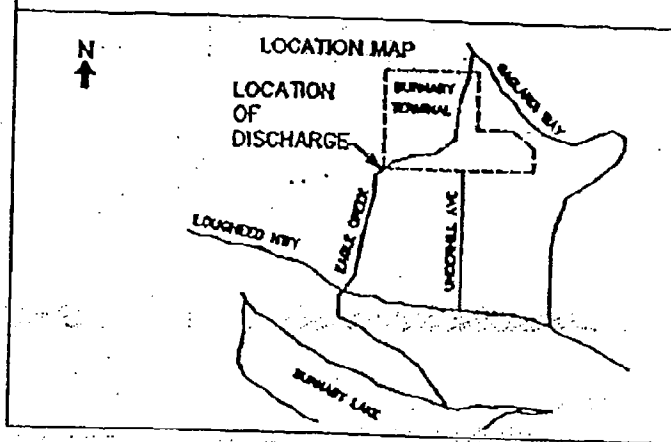

R.H. Robbfor Director, *Environmental Management Act*
Lower Mainland Region
Permit Number: PE-6945

PROVINCE OF
BRITISH COLUMBIA

Environmental Protection



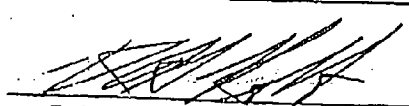
LEGAL DESCRIPTION: LOT: C PL: 17387 DL: 141/142 LD: 37 NEW WESTMINSTER GROUP 1 EXC
PL: 65962 PID 003296661 77151489 74251488.



Approximate Scale: 1 : 8000

PERMIT: PE-6945

Date: FEB 17 2005


R. H. Robb
for Director, *Environmental Management Act*
Lower Mainland Region