

Ministry of Environment/Ministry of Forests and Range

Petroleum Storage and Distribution Facility Inspection Form

[Petroleum Storage and Distribution Facilities Storm Water Regulation (Environmental Management Act)]

Date (yyyy/mm/dd): 2011/11/21 Registration #: 14060

Registrant: City of Vancouver Facility Tel: 604-326-4735

Type of Facility: Storage Tanks Underground

Site Address: 250 -W 70th Avenue, Vancouver, BC

GPS Coordinates (Decimal Degrees) Lat: 49 12.599 N Long: - 123 06.73 W

Contact Name: Leeann Letourneau Tel: 604-326-4798

Email: _____

Mailing Address: _____

Person participating in inspection (if not Site Contact): _____

Tel: _____ Email: _____

Inspector: Mark Scott Ministry: MFLNRO

Tel: 604-485-0734 Email: _____

Discharge is to: a) Surface Water (Specify): _____

b) Ground: _____

c) Other (Specify): _____

Treatment Facilities: Oil Separator___; Settling Pond___; Outfall___; Infiltration Pond___; Tile Field___;

Other (Specify): _____

Section 2(5): With respect to the petroleum storage and distribution facility,

(a) Is the cumulative storage capacity less than or equal to 100 000 litres? X

(b) Does it occupy a location for less than 180 consecutive days? _____

(c) Is it part of a retail service station? _____

If Yes to any of a, b or c above, Sections 3 to 7 do not apply.

Regulation does not apply since all tanks are underground

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Section/Requirement	In	Out	Comments
<u>Introduction of Effluent into Environment</u>			
3(1) An operator may introduce effluent into the environment from a petroleum storage and distribution facility if the total extractable hydrocarbon in the effluent at any time does not exceed 15 mg/Litre.			
<u>Separator System or Equivalent System</u>			
4 Every operator must construct and maintain a separator system or other system designed so that the effluent discharged from a petroleum storage and distribution facility complies with Section 3.			
<u>Separator System Design</u>			
Does the registrant operate a separator system? _____. If Yes, Section 5 applies.			
5 Every operator of a separator system must ensure that the separator system required by Section 4 complies with all of the following:			
(a) Directs to the separator all drainage from a petroleum transfer area;			
(b) Receives only precipitation runoff, vehicular petroleum discharges and accidental discharges of petroleum from a petroleum transfer area;			
(d) Is designed to prevent the discharge of an accidental spill by having			
(i) A minimum volume of 1000 Litres,			
(ii) A shutoff valve on the separator outlet, and			
(iii) The capability to sample the effluent			
(g) Is documented on a site plan which shows the location of the separator system, the areas serviced by the storm sewer and the point or points of discharge to the environment.			
<u>Management of the Separator System</u>			
Does the registrant operate a separator system? _____. If Yes, Section 6 applies.			
6(1) Every operator must do all of the following:			
(a) Visually inspect the separator system weekly, looking for any evidence of petroleum bypass or any other condition which might indicate malfunctioning of the separator;			
(b) Take action to correct any malfunction noticed under paragraph (a);			
(c) Measure monthly the thickness of accumulated petroleum on the surface of the separator;			
(d) Measure monthly the thickness of accumulated sludge in the bottom of the separator;			

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(e) Measure the thickness of petroleum on the surface of the separator immediately following an accidental discharge of petroleum to the separator;			
(f) Record in the log referred to in Subsection (4)			
(i) The results of the visual inspection required by paragraph (a),			
(ii) The measurements required by paragraphs (c), (d) and (e), and			
(iii) The details of any accidental discharge.			
6(3) After each inspection and measurement required by Subsection (1), the operator must			
(a) Immediately remove the accumulated petroleum from the surface of the separator if the accumulated thickness of petroleum exceeds 50 mm,			
(b) Immediately remove the accumulated sludge from the bottom of the separator if the accumulated thickness			
(i) Exceeds 150 mm, or			
(ii) Impairs the operation of the separator, and			
(c) Clean and inspect the separator, regardless of the accumulated thickness of petroleum and sludge, at least once every 2 years.			
6(4) Every operator must maintain, and make available on the request of an officer, the following records:			
(a) An inspection and cleanout log for the separator which includes the date, visual appearance, measured thickness of oil and sludge layers, volume of oil and sludge removed, name and signature of the person entering the data and, if applicable, the name of the oil and sludge removal contractor;			
(b) The date and quantity of accidental discharge of petroleum greater than 100 Litres into the separator system;			
6(5) The records required by Subsection (4) must be kept for at least 2 years.			
6(6) An operator must not intentionally discharge or allow the intentional discharge of any substance into a separator system unless the substance is			
(a) Water, or			
(b) Water contaminated with hydrocarbon such that the resultant mixture is not waste oil.			

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6(7) Notwithstanding Subsection (6), an operator must not intentionally discharge or allow the intentional discharge of tank bottom water into a separator system.			
6(8) Every operator must close the separator outlet valve immediately after a petroleum spill is discovered and must not reopen the valve unless the thickness of accumulated petroleum on the surface of the separator is reduced to less than 50 mm.			
6(9) Every operator must institute a preventive maintenance, monitoring and inspection program to prevent the accidental discharge or spillage of petroleum products.			
6(10) The program required by Subsection (9) must include monthly or more frequent inspections of the following areas:			
(a) Hoses and nozzles at drum-filling and pump island areas;			
(b) Points at which petroleum is delivered into storage;			
(c) Truck loading racks;			
(d) The equipment contained in pump cabinets;			
(e) All visible joints, valves, flanges, and piping.			
6(11) The results of the inspections required by Subsection (10) must be maintained in a log format that includes the date, the name and signature of the inspector and a description of the corrective action taken.			
6(12) Every operator must conspicuously display an emergency contact telephone number at all locations where petroleum transfer operations occur.			
<u>Registration of Petroleum Storage and Distribution Facilities</u>			
7 Every operator must register with a director each petroleum storage and distribution facility under the operator's charge or control by submitting in writing to the director the following information:			
(a) The name of the owner or operator;			
(b) The address of the owner or operator;			
(c) The address of the petroleum storage and distribution facility;			
(d) The name and telephone number of a contact person;			
(e) The number and total volume of tanks at the petroleum storage and distribution facility;			

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(f) The volume and capacity of any oil/water separator or treatment device at the petroleum storage and distribution facility;			
(g) A description of the discharge point of all separators or treatment devices.			

1. Have you had any sort of petroleum product spill in the last year? If so what, when and how much material was released. No other than minor surface spills

2. Was the spill reported to PEP?

No

3. Do you have an Emergency Response Contingency Plan (ERCP)?

No

4. Was the ERCP activated and used during the spill?

No

5. Can you advise on the current date of your ERCP and has it been revised to account for your last spill or any changes to your facility?

No

Comments/Actions for Registrant:

[Notwithstanding this inspection (which is based on field observations and available information provided by the registrant), the registrant is responsible for complying with all requirements of the *Petroleum Storage and Distribution Facilities Storm Water Regulation* (www.env.gov.bc.ca/epd/industrial/regs/index.htm), *Environmental Management Act* and all other applicable legislation. Legislation may be accessed at www.gov.bc.ca/env. Guide to Emergency Response Plan can be accessed at <http://www.env.gov.bc.ca/eemp/resources/guidelines/bc.htm>

Please follow up on all Out of Compliance items indicated above and any action items specified below:

- 1) Submit discharge sample result for Total Extractable Hydrocarbons (mg/L) within 90 days ____
(Registrant may submit result of sample taken within past year.)

Looked at spill kit and discussed how the kit could be improved. Location of the kit and spill kit contents could be improved. Discussed the benefits of the ERCP and advised client of web location of where additional information could be found.