



ITEM	9
MANAGER'S REPORT NO.	13
COUNCIL MEETING	1983 02 21

RE: LETTER FROM TRANS MOUNTAIN PIPE LINE COMPANY LTD.,
 SUITE 800 - 601 WEST BROADWAY, VANCOUVER, B.C. V5Z 4C5
 1982 DECEMBER DISCHARGE OF CONTAMINATED WATERWAY TO EAGLE CREEK
 FROM THE STORMWATER LEVEE,
TRANS MOUNTAIN PIPE LINE COMPANY LTD., BURNABY TANK FARM

On 1982 February 21, Council tabled a motion to send a letter of protest to the Ministry of Environment. It is staff's considered opinion that it would not be appropriate to send such a letter in view of the very helpful cooperation that has been given by the Ministry toward resolution of this problem. For example, and as noted in the following report, staff is working directly with the Waste Management Branch of the Ministry, and the Ministry has issued a Pollution Abatement Order to Trans Mountain Pipe Line Company Ltd. with enforcement to follow, if necessary.

MUNICIPAL MANAGER'S RECOMMENDATION:

1. THAT the recommendation of the Chief Public Health Inspector be adopted.

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1983 February 15

Our File: 2-01-01

TO: MUNICIPAL MANAGER
 FROM: CHIEF PUBLIC HEALTH INSPECTOR
 SUBJECT: 1982 DECEMBER DISCHARGE OF CONTAMINATED
 WASTEWATER TO EAGLE CREEK FROM THE STORM-
 WATER LEVEE, TRANS MOUNTAIN PIPE LINE COMPANY LTD.,
 BURNABY TANK FARM

RECOMMENDATION:

1. THAT this report be received for the information of Council.

SUMMARY:

Trans Mountain Pipe Line Company Ltd. has not finalized evaluations of various methods for handling process wastewater. During the interim, process wastewater is being stored in Trans Mountain's bulk petroleum storage tanks. The Ministry of Environment, Waste Management Branch has issued an order under the Provincial Waste Management Act to Trans Mountain Pipe Line Company Ltd. The intention of this order is to eliminate the possibility of any discharge from Trans Mountain's operation to Eagle Creek which would cause impairment to its water quality.

REPORT

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Appearing on the agenda of 1983 February 21 meeting of Municipal Council is a letter from Mr. D.T. Durrant, Manager, Public & Governmental Affairs, Trans Mountain Pipe Line Company Ltd. The following is a progress report concerning the 1983 December discharge to Eagle Creek of contaminated pipe-line wastewater from Trans Mountain Pipe Line Company Ltd., Burnaby Mountain Tank Farm.

A) Ministry of Environment, Waste Management Branch, Pollution Abatement Order

Health Department, Environmental Health Division staff attended a 1983 January 13th working meeting with the Provincial Ministry of Environment, Waste Management Branch. The subject of the working meeting was Trans Mountain Pipe Line Company Ltd. application under the Provincial Waste Management Act for a discharge of natural drainage water from their stormwater levee to Eagle Creek. Under recent Provincial Legislation, the Ministry of Environment, Waste Management Branch has authority to regulate discharges within this Province that can impair the usefulness of land, water or air.

The primary items discussed during the meeting were:

1. That any approval by the Ministry of Environment, Waste Management Branch for Trans Mountain Pipe Line Company would be strictly limited to a discharge of only uncontaminated storm water from their levee to Eagle Creek.
2. That a framework for a monitoring program be formally established to ensure that Trans Mountain Pipe Line Company Ltd. is not discharging process wastewaters to their stormwater levee.

On 1983 February 03, the Ministry of Environment, Waste Management Branch issued a Pollution Abatement Order to Trans Mountain Pipe Line Company Ltd. under authority of the Provincial Waste Management Act. The requirements of this order are:

1. Submit to the Regional Waste Manager engineering plans for diversion from the storage lagoon of all uncontaminated drainage.
2. Submit to the Regional Waste Manager information on the treatment and disposal of the contaminated process water removed from the oil storage tanks.
3. Submit to the Regional Waste Manager plans and specifications of the existing A.P.I. oil separator and the stormwater lagoon.
4. Obtain a core sample taken at the location approved by the Regional Waste Manager to a minimum depth of 1 metre below the bottom of the stormwater storage lagoon. Have selected segments of the core sample analyzed for oil and grease, total organic carbon, total copper, total lead, total zinc, total chromium, sulphides and phenols and submit the results to the Regional Waste Manager.

As noted in Mr. Durrant's 1983 February 08 letter to the Deputy Municipal Clerk, Trans Mountain Pipe Line Company Ltd. has not finalized evaluations of various methods for treating process wastewater at Burnaby Mountain Tank Farm. Should Trans Mountain not comply with the Pollution Abatement Order, which includes the requirement for information on the treatment and disposal of the contaminated process wastewater, the Ministry of Environment, Waste Management Branch has legal jurisdiction to proceed with enforcement under the authority of the Provincial Waste Management Act.

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B) Current Status of Process Wastewater,
Trans Mountain Pipe Line Company Ltd.
Burnaby Mountain Tank Farm

Until Trans Mountain Pipe Line Company Ltd. finalizes methods for treatment of process wastewater, all process wastewater will continue to be stored in their bulk petroleum storage tanks at Burnaby Mountain Tank Farm. Trans Mountain Officials have stated that they have adequate capacity for storage of the process wastewater.

Questions have been raised as to the use of Trans Mountain's Westridge Terminal, Ballast Treatment Plant for disposal of process wastewater. Trans Mountain's officials have assured this Division that until methods for treatment of process wastewater are finalized, all process wastewater will continue to be held at the Burnaby Tank Farm.

On 1983 February 15, the Burnaby Health Department, Environmental Health Division forwarded a written request to the Ministry of Environment, Waste Management Branch for current sampling data on the effluent discharged to Burrard Inlet from the Ballast Treatment Plant.

The Burnaby Health Department, Environmental Health Division will continue inspections of Trans Mountain Pipe Line Company Ltd., stormwater levee discharge to Eagle Creek and the Ballast Treatment Plant discharge to Burrard Inlet. Staff will also continue discussions with the Ministry of Environment, Waste Management Branch and Trans Mountain Officials as to finalization of the method for process wastewater treatment at the Burnaby Mountain Tank Farm.

Submitted for the information of Council.

George V. Harvie

G.V. Harvie, C.P.H.I.(C)
CHIEF PUBLIC HEALTH INSPECTOR

GVH/sf
cc: M.H.O.

