

January 31, 2019

Ms. Lavinia Zanini
Land Remediation Section
Ministry of Environment and Climate Change Strategy (ENV)
Lower Mainland Region
10470, 152nd Street
Surrey, BC, V3R 0Y3

Quarterly Status Report for October, November and December 2019
BC Site Number 6726

Dear Ms. Zanini:

cc: City of Burnaby – Saleh Haidar
CP Rail – Peter Pagenkopf
Environment Canada – Chris Raymond
First Nations - Squamish Nation – Chief Bill Williams
First Nations – Tsleil-Waututh Nation – Amanda King and Michelle George
Fraser Health – Gord Stewart
INAC (Indigenous and Northern Affairs Canada) – Siegfried Pflug
Port of Vancouver – Kate Schendel

This quarterly status report is in response to the requirement set out by the Ministry of the Environment and Climate Change Strategy (ENV) to keep the Ministry updated on information regarding on-going inspections, investigations and remediation of the area of concern. It covers activities in the months of October, November and December 2018.

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Parkland continues the Burnaby Refinery's longstanding commitment to ensuring that we protect our local environment, and we mitigate and contain any potential impacts relating to the seepage from Area 2 of the refinery, which was first identified in April 2010.

These quarterly updates, including attachments, are being provided on the www.parklandcap.ca website (see "Refinery Area 2 Seep" under the Resources tab).

FORESHORE

The Foreshore Passive Treatment System (FPTS) has been in operation for over a year since construction was completed in October 2017. As part of the FPTS, new flow-through treatment cells were installed in both the Eastern and Western Seep areas. The FPTS Construction report is posted on the CAP website (April 30, 2018 Update).

Inspections of the containment boom and the foreshore in the area of the FPTS continued on an approximately weekly basis in October 2018. The inspections were then discontinued, and the boom was removed in mid-November 2018 in accordance with the monitoring plan in the FPTS Construction report. The regular quarterly inspection and monitoring of the wells associated with the FPTS occurred in December 2018. All annual monitoring reports for the work performed on the foreshore, currently 2011 through 2017, along with Fact Sheets, are available on the Parkland Community Advisory Panel (CAP) website.

RAILROAD

Extraction of groundwater from the CPR interception trench continued during this quarter with no observations of non-aqueous phase liquid (NAPL). The system is monitored on a regular basis.

REFINERY

In general, the Perimeter Extraction System (PES) continued to operate effectively as designed. Performance of the PES in 2013 through 2016 is presented in two reports posted on the CAP website that also include the refinery Perimeter Monitoring Program (2014-2016) of which the PES is a significant part. Reports on the PES for 2010/11 and 2012 are also on the CAP website. The PES is monitored regularly.

In keeping with the monitoring plan in the FPTS Construction report, and after review by ENV, the foreshore monitoring frequency will be reduced in 2019 from quarterly to two times per year. The frequency of this Status Report will also be reduced from quarterly to two times per year.

I trust this helps to let you know of our progress to date, and to demonstrate that we are being pro-active and continuing to place this situation at a high priority. Please let either Jill Donnelly (604-257-4005) or me know if you have any questions.

Thank you.

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Burnaby Refinery
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