

January 31, 2018

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 2017
BC Site Number 6726**

Dear Ms. Zanini:

cc: City of Burnaby – Saleh Haidar
CP Rail – Kevin Houle
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 2017.

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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 Interim Remedial Action (IRA) oleophilic clay barriers were replaced by the Foreshore Passive Treatment System (FPTS, formerly referred to as the “Foreshore Final Remedy”). Construction of the FPTS was completed on October 30, 2017. As part of the FPTS, new flow-through treatment cells were installed in both the Eastern and Western Seep areas.

Inspections of the containment boom and the foreshore in the area of the FPTS continue on an approximately weekly basis. Inspections and monitoring of the wells associated with the FPTS occurred in November and December 2017. Monitoring reports for the work performed on the foreshore in 2011, 2012, 2013, 2014 and 2015, along with Fact Sheets, are available on the Parkland Community Advisory Panel (CAP) website. The 2016 Foreshore Monitoring report is posted on the CAP website as part of this update.

RAILROAD

Extraction of groundwater from the CPR interception trench continued during this quarter with very little non-aqueous phase liquid (NAPL) being observed. 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 2015 and 2016 is presented in the 2015 and 2016 Perimeter Monitoring Program and Perimeter Extraction System report that is posted on the CAP website as part of this update. The report covers the entire refinery Perimeter Monitoring Program of which the PES is a significant part. The PES is monitored regularly.

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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