

July 31, 2018

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

**Quarterly Status Report for April, May and June 2018**  
**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 April, May and June 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](http://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. The FPTS Construction report is posted on the CAP website. For the Foreshore project Parkland won the Environmental Managers Association of BC [2018 Environmental Management award](#) for Remediation and Restoration.

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 June 2018. Annual monitoring reports for the work performed on the foreshore in 2011 through 2016, along with Fact Sheets, are available on the Parkland Community Advisory Panel (CAP) website. The 2017 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 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.

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.

*Chris Boys, P.Geo.*  
Environmental Specialist  
Burnaby Refinery  
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