

January 30, 2020

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

**Semi-annual Status Report for July through 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) – Christopher McDonald  
Port of Vancouver – Kate Schendel

This semi-annual 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 July through December 2019.

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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 potential impacts relating to the seepage from Area 2 of the refinery, which was first identified in April 2010.

These semi-annual updates, including attachments, are provided on the [www.parklandcap.ca](http://www.parklandcap.ca) website (see “Refinery Area 2 Seep” under the Resources tab).

### FORESHORE

The Foreshore Passive Treatment System (FPTS) construction was completed in October 2017 and has been in operation for over two years. 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).

The regular semi-annual inspection and monitoring of the wells associated with the FPTS occurred December 10-12, 2019. An inspection of the FPTS was completed on September 11, 2019. Annual monitoring reports for the work performed on the foreshore between 2011 and 2018, along with Fact Sheets, are available on the Parkland Community Advisory Panel (CAP) website. In July 2019, thirty-five historical monitoring wells were decommissioned. An addendum to the Foreshore Monitoring Plan is now also posted on the CAP website as part of this update.

### RAILROAD

Extraction of groundwater from the CPR interception trench continued during this half of 2019 and is ongoing. The system is monitored on a regular basis.

### REFINERY

In general, the Perimeter Extraction System (PES) continued to operate effectively as designed and is monitored regularly. Performance of the PES between 2013 and 2018 is presented in four reports posted on the CAP website, with the 2018 report being posted as part of this update. These reports also include a summary of the refinery Perimeter Monitoring Program (PMP) of which the PES is a significant part. Reports on the PES for 2010/11 and 2012 are also on the CAP website.

I trust this provides you with our progress to date and demonstrates our on-going commitment to the proactive management of this situation. Please let either Nick Middleton (604-257-4021) or me know if you have any questions.

Thank you.

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