



**Chevron Canada Limited**  
Burnaby Refinery  
355 North Willingdon Avenue  
Burnaby, B.C.  
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January 30, 2017

Ms. Lavinia Zanini  
Land Remediation Section  
Ministry of Environment  
Lower Mainland Region  
10470, 152<sup>nd</sup> Street  
Surrey, BC, V3R 0Y3

**Quarterly Status Report for October, November and December, 2016**  
**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 (Department of Indian and Northern Affairs) – Siegf Pflug  
Port of Vancouver – Kate Schendel

This quarterly status report is in response to the requirement set out by the Ministry of the Environment (MOE) 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 2016.

For those who have been copied: *Please advise if you wish to be taken off of the distribution list for this report.*

As we have previously advised, Chevron is committed to ensuring that we protect our local environment, and mitigate and contain any potential impacts relating to the seepage from Area 2 of the Burnaby Refinery, which was first identified in April 2010.

These quarterly updates, including attachments, are being provided on the [www.chevroncap.com](http://www.chevroncap.com) website (see “Current Issues-Burnaby Refinery Area 2 Seepage” under the Resources tab).

### FORESHORE

The foreshore Interim Remedial Action (IRA) oleophilic clay barrier areas and containment boom continued to be inspected on an approximately weekly basis. Inspections of monitoring wells within the Foreshore Seepage Area (in preparation for quarterly sampling) occurred in early November 2016. Quarterly monitoring and sampling of foreshore wells and surface water associated with the Foreshore Seepage Area occurred in November 2016.

Monitoring reports for the work performed on the foreshore in 2011, 2012 and 2013, along with Fact Sheets, are available on the Chevron Community Advisory Panel (CAP) website. The 2014 Foreshore monitoring report is now posted on the CAP website along with this update.

The IRA barriers continued to act as designed in preventing oil from seeping into Burrard Inlet. Some minor dissolved phase constituents have been observed in wells and surface water outside the IRA barriers. Risks from these occurrences are low and continue to be monitored. The revised Remedial Action Plan (RAP) report pertaining to the final foreshore remedy, dated October 27, 2016, accepted by the MoE in September 2016, and the associated Fact Sheet for the final remedy are available on the CAP website. Construction of the final foreshore remedy is currently scheduled for summer 2017.

### 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. New, larger diameter pipe and a new compressor were installed in 2015 in the eastern section to address pumping inefficiencies. Construction to install new, larger diameter pipe in the western and central sections was completed in October 2016 and the new pipe is in operation. Performance of the PES in 2013 and 2014 is presented in the 2014 Perimeter Monitoring Program and 2013 & 2014 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 semi-monthly.

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 Kate Groves (604-257-4041) or me know if you have any questions.

Thank you.

*Chris Boys, P.Geo.*  
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Burnaby Refinery  
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