

April 17, 2019

David A. Brown
Staff Environmental Engineer
Shell Canada Energy
150 N. Dairy Ashford Road
Houston, Texas 77079

Dear Mr. Brown:

Re: N7L1-1834 - Shell Canada Energy, Camp Farewell – 2018 Annual Report

The Inuvialuit Water Board (IWB) acknowledges receipt of the 2018 Annual Report submitted on behalf of Shell Canada Energy by IEG. The IWB has completed a review of the annual report and additional information is required.

Please provide the following:

1. Part B, Item 1a) the 2018 annual report indicates fresh water quantities of 60 m³ and 100 m³ obtained from a spacer barge and Middle Channel of the Mackenzie River respectively. Monthly quantities in cubic metres of fresh water obtained from all sources are also required.
2. Part B, Item 1i) abandonment and restoration works:
 - a. A map depicting spatial extent of the polyurethane foam excavated and remaining area;
 - b. A map indicating the location of the piezometers monitoring contaminants caused from the biodegradation of the polyurethane foam; and
 - c. Groundwater monitoring and sampling results of each of the seven piezometers (P06-1 to P06-7) to understand the effectiveness of the remediation activities and the groundwater quality trend.

In addition, the IWB would like to provide the following comments and recommendations:

- An annual report requires to be submitted not later than March 31st of the year following the calendar year reported;
- As reported in the 2018 annual report, freshwater was obtained from the “Middle Channel of the Mackenzie River”. As per water licence Part C, item 1, Middle Channel of the Mackenzie River is specified for winter activities. If fresh water is required from sources other than as specified under water licence Part C, Item 1, an approval from an inspector is required; and
- Before discharging ponded water from excavated areas into the receiving environment, the IWB recommends sampling and laboratory analysis of the contaminants of potential concern (COPC). This will assist in understanding the suitability of ponded water for direct discharge into the receiving environment.

Submitted documentation, including all related IWB correspondence, will be placed on the IWB Public Register. Should you have questions or concerns, please contact me at (867) 678-8610 or adhikarib@inuvwb.ca or Mardy Semmler, Executive Director, at (867) 678-8609 or semmlerm@inuvwb.ca.

Sincerely,



Bijaya Adhikari, PhD
Science and Regulatory Coordinator

cc: Lloyd Gruben, Water Resources Officer - ENR Inuvik
Kyle Schepanow, Senior Hydrogeologist, IEG Consultants