

Appendix I

Monitoring Program Station No. ALT-10

Year: 2010 (As of issuance of licence: Aug. 4, 2010.)

Name: Day Fuel Tank Farm Secondary Containment

Description: Discharge from Tank Farm Secondary Containment.

Results:

Between the dates of issuance for **3BC-ALT1015** on August 4, 2010 to December 31st, 2010, there was no intent or plan to discharge any water from the Day Fuel Tank Farm Secondary Containment.

As there were no plans to release effluent from the Fuel Storage Facilities during the time period mentioned above, the collection of samples and analysis were not required for **3BC-ALT1015, Part J, Item 9**.

Notes:

As Alert is located in a polar desert environment, this location receives limited precipitation per year (climate normal 1971-2000 for precipitation: 153.8 mm; Environment Canada, 2010). By the August and September months, evaporation has dominated the landscape promoting the rate of evaporation of water contained in the tank farm secondary containments. By mid September, air temperatures fall below 0 degrees Celsius, any water located in the secondary containment begins to freeze toward complete frozen conditions experience by the end of the month.

Reference:

Environment Canada. 2010. Canadian Climate Normals (Precipitation) 1971-2000 for Alert, Nunavut. Accessed online on February 21, 2011, at:
http://climate.weatheroffice.gc.ca/climate_normals/index_e.html