

Project No: Water Use License 1BR-LON0813 2011 Annual Report

Regarding: FOX-2, Longstaff Bluff DEW Line Site

AECOM Canada Ltd. is providing the attached annual report form as per Section B.1 of the above-noted water use license. The report is being submitted on behalf of Defence Construction Canada and the Department of National Defence.

In addition to the annual report form, we are providing a summary of the work completed to date at the site. The following is a summary of the work completed and of the samples collected as part of the wastewater monitoring and sewage effluent monitoring:

The remediation construction work at FOX-2 was completed in August 2011. The following is a summary of the work items completed:

- All demolition activities were completed.
- All contaminated soil excavations were completed.
- The Hangar Non-Hazardous Waste Landfill (NHWL) was completed in 2011. Construction activities included berm shaping, landfilling, and granular fill placement. In addition, two ponded areas were backfilled. Closure activities consisted of the following:
 - Final layers of debris were placed and compacted with pad foot compactor.
 - Type 3 granular fill was placed over the completed waste layers capped with intermediate fill and compacted. Between 4 and 6 layers of fill were placed and compacted to meet the design requirements. Field density testing was carried out on each lift to ensure the compaction specifications were met.
 - Two areas were backfilled in the vicinity to reduce or eliminate water ponding around the landfill.
- The Tier II Disposal Facility was completed in 2011. Construction activities at this facility consisted of landfilling Tier II soils, berm shaping, top liner installation and granular cover construction. Four ground temperature cables were installed in 2011.
 - One 300 mm lift of Tier II soils were placed in the facility and compacted in 2011. The compacted Tier II soils were covered with a 300 mm thick lift of compacted granular material.
 - The Tier II soils in 2011 came from the module train contaminated soil excavation.
- Regrades were completed at the following areas: East Landing Debris Area (Lobes B and D); Borrow Area e (Lobes A and B); Apron Debris Area (Lobe B); Station Camp Debris Area (Lobes C and D); Airstrip Camp Debris Area (Lobes A, D, and E); West Landfill (Lobe E); Inuit House (Lobes A, B, and C).
- Remediation of the Upper Site Landfill was completed. Work included placement of granular fill cover and installation of monitoring instrumentation.
- Baseline monitoring was carried out at the landfills which remain on-site.

The work remaining in 2012 includes demobilization of the PCB material currently in temporary storage at the site.

Community Consultations: The results of the community meetings held by DCC were submitted with the Project Description. The contractor typically holds a project start up meeting prior to each season; however a copy of the presentation has not been provided.

Spill Incidences: None.

Monitoring Results: The monitoring reports are attached.



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