

**Project No: Water Use License 1BR-FOD813**

**Regarding: 2011 Annual Report: FOX-3, Dewar Lakes 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 remediation construction work at FOX-3 was completed in September 2011. The following is a summary of the work items completed during the 2011 summer construction season:

- All demolition activities were completed.
- All contaminated soil excavations were completed.
- Seven landfill/buried debris areas were excavated and backfilled.
- All regrade areas were completed.
  - Regrades were completed at the following areas: West Landfill – Lobes A and B; Station West – Lobes B1, F, I1, J and K; Airstrip Area East – Lobes F, I, L, M, S and EE; Station Area – Garage Debris Area Lobes A, B, C, D, E, and F; Station Area – Construction Debris Area Lobes A and B; Airstrip Area – Borrow Area 5 Debris Area Lobes A and B.
- The Tier II Disposal Facility, Non-Hazardous Waste Landfill and Landfarm were closed.
  - Work at the landfarm in 2011 included tilling and nutrient application until the contaminated soil was under criteria for hydrocarbon contamination. The landfarm was closed on August 22 and included the removal of berms and grading the surface to promote positive drainage. The monitoring well installations were also decommissioned in 2011.
  - The Non-Hazardous Waste Landfill closure was completed by placing a cover layer of Type 2 granular material over the facility and a layer of Type 1 material on the outer berm side slopes for erosion protection.
  - Closure of the Tier II Disposal Facility included placement of the top geomembrane liner system, including geotextile, and a Type 5 protective layer above and below, was installed. The Tier II was capped with Type 1 and 2 material placed above the liner system. Four vertical thermistor cables were installed.
- The thermokarst pond was backfilled starting on August 16, 2011. The pond was backfilled from the north end to the south end. The side slopes were reshaped to stable grades. An outlet was constructed on the south end to design elevations.
- Baseline monitoring was carried out at the landfills which remain on-site.
- Sewage lagoons were decommissioned.

**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 presentation has not been received.

**Spill Incidences:** There was one spill reported on July 21, 2011. A copy of the spill report is attached.

**Monitoring Results:** See attached

**Remaining Work:** The work remaining in 2012 will involve reshaping of the area where the construction camp was located and demobilization of the camp, construction equipment and the PCB material currently in temporary storage.



## Public Registry

[illegible]