

Project No: Water Use Licence No.: 1BR-BYR0712 2011 Annual Report

Regarding: PIN-4, Byron Bay 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.

During the 2011 field season at PIN-4, site activities included construction and closure of the landfarm, partial closure of the Non-Hazardous Waste Landfill and Tier II Disposal Facility, excavation of landfills and contaminated soils, and regrading and reshaping. The following is a detailed summary of the work items completed during the 2011 summer construction season at PIN-4:

- All demolition activities were completed.
- Forty-nine contaminated areas were excavated and backfilled. All contaminated soil excavations are now completed.
- All remaining landfills and buried debris areas requiring excavation and backfilling were completed, including:
 - Northwest Landfill Lobe A; Point Buried Debris Area Lobe A; Sewage Outfall Buried Debris Area; Airstrip Landfill Lobe A; Barrel Storage Buried Debris Area; South Landfill Buried Debris Area Lobe C; South Landfill – Middle Lobe; Landing Debris Area Lobes A, C, D, E.
- All remaining regrade areas were completed, including:
 - Old Construction Camp West Debris Area Lobes A, B, C; Northwest Garage Debris Area; North Landfill Lobes A, B; Point Debris Area Lobe B; Sewage Outfall Debris Area Lobes E, F; West POL Debris Area Lobes A, B; Airstrip Landfill Lobe B.
- The landfarm was closed as the material inside the facility met criteria required for closure. Closure activities included reshaping the access road, perimeter berms and treatment soils. The synthetic liner within the berms was removed and the temporary groundwater monitoring wells were decommissioned as per the specifications.
- The Non-Hazardous Waste Landfill was winterized at the end of the season. Work in 2011 included:
 - Placement of two layers of non-hazardous debris and intermediate fill.
 - The final cap of Type 2 granular materials was placed over 80% of the landfill.
 - A layer of Type 6 granular material was placed as winter cover over the remaining 20% of the landfill.
- The work completed at the Tier II Disposal Facility in 2011 includes:
 - Placement of Type 5 granular material was completed on the west portion of the facility.
 - Landfilling of all Tier II contaminated soil was completed.
 - The top geomembrane liner system was installed and covered with a layer of Type 5 granular material, followed by five lifts of Type 2 capping material, which was placed and compacted. A sixth lift was placed and not compacted.
- Baseline monitoring was carried out at the landfills which remain on-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.

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Monitoring Reports: See attached.

The work remaining in 2012 includes:

- Placement of the remaining Type 2 cover material and Type 1 granular fill for erosion protection on the outside slopes of the Non-Hazardous Waste Landfill.
- The placement of an additional four lifts of Type 2 granular fill for the top cover and Type 1 granular fill for erosion protection on the outer slopes of the Tier II facility.
- Reshaping and regrading at the Tier II facility perimeter.
- Reshaping of the area where the construction camp was located.
- Demobilization of the camp, construction equipment and the PCB material currently in temporary storage.

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