

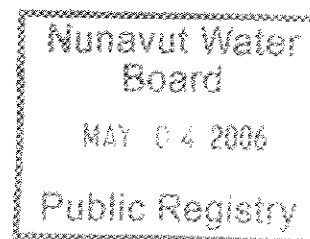
Water License Application
To
Nunavut Water Board

1BR-LTU

Iqaluit Airport Land Treatment Unit
Construction
Remediation of Contaminated Soil and Hydrant
Distribution System – Apron I
Summary

Proponent: Transport Canada
Prairie and Northern Region
Environmental Affairs
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Project Description

The objectives of the remediation project at the Iqaluit airport includes:

- Construct a Land Treatment Unit (LTU) lined with a synthetic geomembrane liner capable of containing 7500m³ of Petroleum Hydrocarbon Contaminated (PHC) soil.
- Install three (3) ground monitoring wells at the LTU site
- Excavation of approximately 700m³ of PHC contaminated soil for the stockpile area of the former military facility
- Excavation of approximately 300m³ of PHC contaminated soil from the five (5) surface stained areas near the two concrete pads at the former military facility
- Removal and separation of general construction debris from the stockpiles soil
- Erect a silt fence south of the existing contaminated soil stockpile to protect the nearby body of water
- Completion of a soil sampling program during the excavation, which will include field screening and the submission of confirmatory soil samples from the sidewalls and base of each excavation to an accredited laboratory
- Removal of approximately 2500m³ of the contaminated soil from the existing cells of the LTU at the Fire Training Area and placed in the newly constructed LTU
- Restoration of excavated sites including backfilling with clean fill and site grading
- Removal and disposal of approximately 25 m of chain link fencing and associated posts
- Removal and disposal of three (3) abandoned transformers including cribbing
- Removal and disposal of several telephone poles near the transformer area
- Removal of the underground piping at Apron I
- Test soils under Apron I for contamination from abandoned hydrant system
- Remove any contaminated soil from Apron I and deposit in newly constructed LTU for treatment
- Completion of a soil sampling program during the excavation, which will include field screening and the submission of confirmatory soil samples from the sidewalls and base of each excavation to an accredited laboratory
- Restoration of excavated sites including backfilling with clean fill and site grading

Documentation

The following documents have been included with the application for more detailed description of the project:

- 1) WEIR Former Military Facility Clean Up Iqaluit Airport, Iqaluit NU Technical and Project Team Proposal
- 2) Dillion Consulting, Environmental Site Assessment Abandoned Hydrant and Distribution System, February 2005
- 3) Airphoto of location with details

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