



APPENDIX 3

ENNADAI LAKE REMEDIATION PROJECT

EXECUTIVE SUMMARY (ENGLISH & INUKTITUT)



ENNADAI LAKE REMEDIATION PROJECT **EXECUTIVE SUMMARY**

1. PROJECT BACKGROUND & LOCATION

The Government of Canada has initiated the Federal Contaminated Sites Action Plan (FCSAP) to clean up federally owned contaminated sites and to address the environmental liabilities associated with each site. The FCSAP program provides funding for the remediation of contaminated sites posing risks to human health and/or the environment. Aboriginal Affairs and Northern Development Canada (AANDC) has applied for, and secured, funds under this program for the investigation and remediation of the former Weather Station at Ennadai Lake.

The Ennadai Lake Weather Station site is located approximately 380 km west of Arviat (the nearest community) and 500 km southwest of Rankin Inlet, Nunavut, at approximately 61° 07' 51" N latitude and 100° 53' 14" W longitude. The site was a weather station as of the 1950s. It was operated either as a manned or unmanned station, at different times since its inception and was abandoned in the late 1980s to early 1990s.

The Ennadai Lake Remediation Project covers approximately 58 hectares. It was an operational weather station from 1949 to 1979. It consists of thirteen intact buildings, five large above ground storage tanks (ASTs), pipelines (including one overhead), an unmaintained airstrip, trails, five drum caches, several upright and laying metal towers, a main debris area, and several small debris areas. The main building cluster and the airstrip are on Inuit-owned land (IOL), and the remainder of the site is Crown land.

Contamination at site is a result of the historical weather station activities. The contaminants identified at the site include debris, heavy metals, asbestos, lead and PCB amended paint and Petroleum Hydrocarbons.

2. PROJECT ACTIVITIES & SCHEDULE

The Phase III Environmental Site Assessment (ESA), was completed in the summer of 2012. A Remedial Action Plan (RAP) was developed and finalized later in 2012.

In October 2013, heavy equipment, camp facilities, material and all consumables will be delivered by sealift to Arviat. All equipment, material and consumables required to achieve the remediation project will be transported by CAT train during the winter 2014 from Arviat to the Ennadai Lake Remediation Site. The permit application for site works and the camp operations at Ennadai Lake will be completed by AANDC. However, the permitting for the overland mobilization falls under the responsibility of Kudlik Construction Ltd.

For further details on CAT train and mobilization strategy please see Appendix 10.

Remedial activities will be completed during the summer of 2014 & 2015, the activities



planned include:

- Access to site outlined above.
- Establishment of a camp to support site operations.
- Existing site infrastructure will be demolished and demolition wastes will be segregated into hazardous and non-hazardous materials and disposed of properly.
- All hazardous materials will be disposed of, at an off-site licensed disposal facility.
- Non-hazardous wastes will be put in the non-hazardous waste landfill to be constructed.
- Existing debris areas at this site will be remediated as described in the RAP.
- A landfarm will be constructed for the treatment of hydrocarbon contaminated soil.
- Contaminated soils will be handled as described in the RAP
- Barrels with like contents will be consolidated, depending on test results the contents will either be incinerated on-site or shipped off site for disposal. Empty barrels will be crushed and put into the non-hazardous waste landfill to be constructed.
- Scattered surface debris and partially buried debris (non-hazardous) will be collected and disposed of in the non-hazardous waste landfill to be constructed.
- Roads and the airstrip will be re-constructed and repaired as required
- Several borrow sources will be developed and the material will be used during the remediation work.

Site remediation activities will take place on both Crown Land and Inuit Owned Land (IOL).

The final site demobilization will be done during February 2016. All project, supplies, and contaminated material will be shipped off site via CAT Train.

3. SOCIAL IMPACT OF THE PROJECT

Wherever possible, the project has adopted solutions tailored to the northern environment and its inhabitants by using local knowledge and including the unique needs of northerners and their environments in the remediation work plan.

A Community Consultation was held in December of 2012 in Arviat. During this Meeting, the results of the assessment and the various remediation options being considered for the site were presented and input was solicited as to the community's preferred remedial options. The community meeting was used to complete the following objectives:

- To share information on the project with the community;
- To hear site-specific concerns from local people who are familiar with current conditions at the site or were familiar with on-site activities during facility operation;



- To identify the issues and concerns the communities had with the site and the proposed work;
- To identify resources (labour and equipment) in the nearest communities that would be able to assist in the execution of the project; and
- To develop a better remediation plan.

Prior to the start of the 2014 remediation fieldwork, another community meeting will be held in three nearby communities (Arviat, Whale Cove and Rankin Inlet). These meetings will be used to:

- Introduce the contractor and subcontractor to the community;
- Update the community on the project; and
- Inform the community of upcoming employment opportunities and potential subcontracting opportunities (Arviat only)

An inter-seasonal community meeting at all three communities will be held during the fall of 2014, after completion of the first remediation season of the project. This will inform people on the progress of the project, as well as re-iterate the above mentioned points.

A Final community meeting will be held at all three communities, upon completion of the project, to inform people on the results of the project.

The contract for the project also specifies target levels for Inuit Employment and Inuit-Owned Subcontracting. The contractor has guaranteed an Inuit Employment level of 51% and an Inuit-Owned Subcontracting level of 71%.

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