



AANDC reference
CIDM# 758940

December 13, 2013

NWB reference
#1BR-ELR----

Phyllis Beaulieu
Licencing Administrator
Nunavut Water Board
Gjoa Haven, NU, X0E 1J0

**Re: #1BR-ELR---- – Ennadai Lake Remediation Project – Contaminated Sites
Division, Aboriginal Affairs and Northern Development Canada (AANDC) –
Kivalliq Region – New Water Licence Application**

Dear Ms. Beaulieu,

Thank you for your email on November 14, 2013, concerning the above mentioned new water licence application.

A memorandum is provided for the Nunavut Water Board's (Board or NWB) consideration. Comments have been provided pursuant to the Department's mandated responsibilities under the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the *Department of Indian Affairs and Northern Development Act*.

Please do not hesitate to contact me by telephone at 867-975-4282 or email at ian.parsons@aandc-aadnc.gc.ca for further comments or any questions.

Sincerely,

Ian Parsons
Regional Coordinator
Aboriginal Affairs and Northern Development Canada
P.O. Box 100
Iqaluit, NU, X0A 0H0

c.c.: Murray Ball, Manager of Water Resources, AANDC
Erik Allain, Manager of Field Operations, AANDC



Memorandum

TO	Phyllis Beaulieu Manager of Licencing Nunavut Water Board	AANDC reference CIDM# 756088 NWB reference #1BR-ELR----
FROM	Ian Parsons Regional Coordinator Aboriginal Affairs and Northern Development Canada	DATE December 13, 2013

Re: #1BR-ELR---- – Ennadai Lake Remediation Project – Contaminated Sites Division, Aboriginal Affairs and Northern Development Canada (AANDC) – Kivalliq Region – New Water Licence Application

A. BACKGROUND INFORMATION

On November 14, 2013 the Board provided notification to Aboriginal Affairs and Northern Development Canada (AANDC) that the Contaminated Sites Division of AANDC had submitted a new water license application for remediation activities taking place at Ennadai Lake. The submitted information is as follows:

1. Application Cover Letter
2. Archaeological Impact Assessment
3. Environmental Screening Report
4. Kudlik Construction Ltd. Mobilization Plan
5. List of Additional Documents
6. Maps and Drawings
7. NIRB Part1 Form
8. NIRB Part2 Form
9. New Application
10. Project Schedule
11. Project Summary
12. Remedial Action Plan
13. Site Specific Health Plan
14. Spill Contingency Plan
15. NWB Landfarm sig
16. Remote Camp Questionnaire



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. The site was developed as a weather station in the 1950s. It was operated either as a manned or unmanned station, at different times since its inception and was abandoned completely 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 on Crown land.

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

No activities have taken place at the Ennadai Lake Weather Station since the early 1990s.

The water licence application was submitted to the NWB in October 2013.

Interested parties were requested to review the information and provide comments by December 14, 2013.

B. RESULTS OF REVIEW

On behalf of AANDC, the following comments/ recommendations are submitted to the Nunavut Water Board for consideration:

1. Application For New Water Licence

- AANDC notes blocks 7 and 8 of the application form pertaining to approvals from both the Nunavut Planning Commission (NPC) and Nunavut Impact Review Board (NIRB) respectively have yet be approved. However the proponent indicates that this process is in progress. AANDC recommends that the proponent submit to the NWB the aforementioned approvals when received from both NPC and NIRB.
- As well, block 6 of the application pertaining to surface rights indicates that the Crown land use authorization portion of this question has yet to be approved or permitted. As well the Inuit Owned Land (IOL) authorization is set to expire on March 31, 2014 two years before the project's anticipated completion date. AANDC recommends that the proponent obtain the required Crown land use



authorization before any water license is approved. As well AANDC reminds the proponent at this time that they will need to renew their IOL land use authorization before the end of the project.

2. Spill Plan

- AANDC recommends storing all fuel in secondary containment to reduce the risk of a spill. AANDC recommends that the proponent provide the NWB with the intended locations, types and quantities of fuel to be stored.
- Fuel stored in drums should be located 30 meters from any streams or bodies of water, preferably in an area of low permeability.
- AANDC recommends that the proponent keep a copy of the spill plan on site.
- AANDC has noticed that the fax number for AANDC's manager of field operations is not listed in the spill plan. The Spill Contingency Plan should be revised to include the fax number for AANDC's Manager of Field Operations. Fax number is (867) 975-6445.

3. Other

- The application states that the authorizations/applications associated with the transportation of supplies required for the remediation of the former Ennadai Lake Weather Station Site from Arviat to Ennadai Lake by "CAT Train" will be the responsibility of the contractor (Kudlik) hired to carry out the remediation. AANDC notes that the land use permitting associated with the "CAT Train" mobilization has been applied for and is awaiting approval
- AANDC also notes that the contractor will be using an existing camp at Henik Lake as a temporary camp while it transports all materials to Ennadai Lake. AANDC notes that the land use permit associated with the Henik Lake Camp and its associated airstrip did expire, however this land use permit has also been applied for and is awaiting approval.

Prepared by Ian Parsons