



P.O. Box 119
GJOA HAVEN, NU X0B 1J0
TEL: (867) 360-6338
FAX: (867) 360-6369

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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File No.: 1BR-NUN0511 (NWB4NUN0511)

November 18, 2010

James H. Wilson, General Manager
Nunatta Environmental Services Inc.
P.O. Box 267
Building #1575 Federal Road
Iqaluit NU X0A 0H0
Email: nunatta@northwestel.net

Axel Have, P. Eng.
VP of Operations
Nunatta Environmental Services Inc.
P.O. Box 267
Iqaluit, NU X0A 0H0
Email: nunatta@northwestel.net

RE: Review of Annual Reports for Nunatta Environmental Services Inc., Hydrocarbon-Impacted Soil Facility

Dear Mr. Wilson and Mr. Have:

On August the 5, 2004, the Nunavut Water Board (NWB) received from Nunatta Environmental Services Ltd., the following submissions in support of an application to operate a Hydrocarbon-Impacted Soil Facility located at Lot 1, Block 229, Iqaluit, Nunavut:

- Licence Application
- Spill Contingency Plan (Appendix I)
- General Contingency Plan (Appendix II)
- Ground Water Monitoring and Post-Closure Monitoring Plan
- Executive Summary in English

In accordance with S.55.1 of the *Nunavut Water and Nunavut Surface Rights Tribunal Act* (NWNSTRA) and article 13 of the *Nunavut Land Claim Agreement* (NLCA), the NWB, on September 9, 2004, acknowledged receipt, gave notice of the application and invited interested persons and parties to comment. Comments were received from Indian and Northern Affairs Canada (INAC), Environment Canada (EC), the Government of Nunavut-Department of Environment (GN-DOE) and the City of Iqaluit.

Following the comment period, the NWB conducted a thorough review of the application documents and gave due consideration to the comments received from the respective parties. In a letter sent by the Board on January 12, 2005, Nunatta Environmental Services Ltd. was informed by the Board that a

number of issued had to be address before the licence could be issued. The letter also provided a deadline, February 18, 2005, by which the issues identified in the letter had to be addressed.

On March 3, 2005, Nunatta Environmental Services Inc. provided the NWB with a layout of the landfarm facility, which included the location of proposed monitoring wells, and responses to some of the issues indentified in the NWB February 18, 2005 letter. Nunatta Environmental Services Inc. also stated that responses to the remainder of issues would be provided to the Board on a subsequent date. The NWB acknowledged the information provided and distributed for comments on April 29, 2005. Comments were received from Environment Canada (EC).

The application, supporting documents, and comments received were reviewed and after giving due regard to the purpose, scope and intent of the NLCA and the NWNSTRA, the NWB issued on September 13, 2005 a type “B” licence, NWB4NUN0511, to Nunatta Environmental Services Inc. with specific terms and conditions.

Licence Terms and Conditions

In accordance with Licence’s terms and conditions, the NWB should have been in receipt of the documents listed below; nevertheless, these documents remain outstanding:

- Part C, Item 1: Detailed cost estimate for the reclamation and abandonment
- Part E, Item 9: Remediated soil/rock reject usage plan
- Part G, Item 2: Design drawings and construction reports
- Part G, Item 3: Installation and construction details of monitoring wells
- Part G, Item 4: Construction details of Cell 1, Cell 2, Cell 3 (Cell 4?).
- Part H, Item 1: Spill Contingency Plan
- Part I, Item 1: Interim Abandonment & Restoration plan
- Part J, Item 4: Quality Assurance & Quality Control Plan
- Part J, Item 8: Operations Monitoring Plan

Annual Reports

The Nunavut Water Board (“NWB”) received from Nunatta Environmental Services Inc. on November 2, 2010, the document entitled “Annual Reports, Hydrocarbon-Impacted Soil Landfarm Facility” dated October 2010. The reports were reviewed internally and the following issues were identified:

- Part B, Item 1 of the Licence states that the Licensee shall file an annual report no later than the March 31st of the year following calendar year reported. The reports, which received November 2, 2010 from Nunatta Environmental Services Inc., are the first documents of its kind that the Board has received since the Licence was issued on September 13, 2010.
- The reports, which were submitted as one combined document, attempted to cover multiple reporting periods without a clear distinction among reporting periods. Since each annual report should have submitted annually, there must be a clear distinction among the reports and

reporting period.

- The NWB seeks clarification on the reporting period(s) covered by the annual reports as the document contains information primarily for 2008 and 2010 with bits of information on soil volumes and water treated, as depicted in Tables 4-2 and 5-1 respectively, for the years 2003 to 2007, and 2009.
- The Landfarm Layout (Figure 2) shows that six monitoring wells were decommissioned and six new ones were installed; however, the NWB was not informed of these changes. The monitoring stations NUN 1 to NUN 9 were not depicted on Landfarm layout.
- Analytical results were provided for the years 2008 and 2010; however, the results for the years 2005, 2006 and 2007 remain outstanding.
- Figure 1 shows the As-Built Cell 4 cross-section. The NWB request confirmation as to whether a new cell was added as it was depicted in Figure 2.

The NWB recommends that the above-mentioned issues identified in the licence and annual reports be addressed by December 31, 2010. In preparing a response, the Licensee is encouraged to review the terms and conditions in the licence prior to addressing the issues.

Should you have any questions, please feel free to contact the undersigned at 867-360-6338 ext. 25 or by email at sjoseph@nunavutwaterboard.org.

Yours truly,

Original Signed By:

Sean Joseph
Technical Advisor

Cc: Distribution List – Qikiqtani Region