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NUNAVUT WATER BOARD

NUNAVUT IMALIRIYIN KATIMAYINGI

File: NWB2HOP0207/TR/B2

July 22, 2005

*By Email and Regular Mail*

Mr. Scott Stringer  
General Manager, Northern Operations  
Miramar Hope Bay Ltd.  
#300, 889 Harbourside Drive  
North Vancouver, BC  
V7P 3S1

**Subject: Approval of the Proposed Secondary Containment for Aboveground Storage Tanks at the Windy Lake Camp and Patch Lake; Miramar Hope Bay Ltd.**

Dear Sir:

The Nunavut Water Board ("NWB") is in receipt of a report titled "*Design of Secondary Containment For Aboveground Storage Tanks – Boston Camp, Windy Lake Camp and Goose Lake Camp, Nunavut*" prepared by Biogenie S.R.D.C. Inc. The NIRB had initially screened this proposal in September 2004 and determined that the construction could proceed with identified terms and conditions that would apply.

Further to this screening, formal notification of the intent to construct was received from Miramar Hope Bay Ltd. on April 22, 2005. This notification was accompanied by a revised Report dated April 18, 2005 and requested topographical maps of the locations. The revised report included the addition of the Patch Lake Secondary Containment for Above Ground Storage Tanks and removed the Goose Lake location to be dealt with at another time.

On April 28, 2005 notice was given to interested persons to make representations on the submission to the NWB prior to May 9, 2005.

After having reviewed the submission of the Licensee and representations made by interested persons, the NWB has determined that the construction of the secondary containment for Above Ground Storage Tanks at the Windy Lake Camp and Patch Lake locations may proceed under this approval, (**Motion# 2005-24**) and the following terms and conditions.

1. Construction of the Secondary Containment for Above Ground Storage be based on, at a minimum, the *National Fire Code of Canada* and the Canadian Council of Ministers of the Environment (CCME) Guidance Document PN 1326 entitled "*Environmental Code of Practice for Above Ground and Underground Storage Tank Systems Containing Petroleum Product and Allied Petroleum Products*".
2. Construction of the Secondary Containment for Above Ground Storage be carried out, where applicable, as described in the report submitted to the NWB entitled "*Revised Design Of*

*Secondary Containment For Aboveground Storage Tanks – Boston Camp, Windy Lake Camp and Patch Lake, Nunavut (O/Ref.:MM4206)”, dated April 18, 2005, prepared by Biogenie S.R.D.C. Inc.<sup>1</sup>*

3. Construction is based on the Reference drawings that were submitted along with the report and the notification of intent for construction/modification, or revised drawings as necessary to adhere to the CCME guidance document referenced above.
4. Further to the Liner Specifications and drawings that were provided along with the submission, the Licensee shall obtain the Manufacturer’s recommended installation procedures for the liner, submit to the NWB and adhere to the recommendations provided.
5. In addition to maintaining a thirty (30) metre minimum distance from any water body, all Secondary Containment Facilities shall be located in such a manner as to prevent the contents from entering any water body frequented by fish,.
6. The Licensee shall provide to the Board, within ninety (90) days of completion of the construction, all respective design drawings and construction reports, including as-built drawings, documentation of field decisions that deviate from original plans<sup>2</sup>, and any data used to support these decisions. These drawings and reports shall be stamped by an Engineer, registered with the Association of Engineers, Geologists and Geophysicists of the Northwest Territories and Nunavut (NAPEGG).
7. Prior to the installation and operation of the fuel storage, the Licensee shall provide the Board with specifications of the tanks to be installed, dimensions, volumes, orientation (vertical, horizontal) and testing reports as per the CCME Code of Practice referenced above (Section 3.5.4(1)).
8. The approved Spill Contingency Plan (SCP), under Licence NWB2HOP0207, Part G, Item 1 shall be revised and submitted to the Board within ninety (90) days of this approval, to reflect the changes in operation and/or technology. Specifically, to address the addition of the Secondary Containment for Above Ground Storage Tanks and to add a section under preventative measures on its operation, maintenance and inspection. If not approved by the Board, the SCP shall be revised and resubmitted within thirty (30) days of receiving notification of the Board’s decision.
9. The approved Abandonment and Restoration (A&R) Plan, under Licence NWB2HOP0207, Part H, Item 1 shall be revised and submitted to the Board within ninety (90) days of this approval, to reflect the changes in operation and/or technology, specifically the addition of the Secondary Containment for Above Ground Storage Tanks. If not approved by the Board, the A&R Plan shall be revised and resubmitted within thirty (30) days of receiving notification of the Board’s decision.

The NWB looks forward to receiving the above requested information. Should you have any questions regarding the above, please feel free to contact me at your earliest convenience.

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<sup>1</sup> Neither Biogenie S.R.D.C. Inc., nor the engineer responsible for the report appear to be registered with NAPEGG and therefore are not licensed to practice engineering in Nunavut.

<sup>2</sup> Discrepancies were identified in the report between the text documentation and the drawings provided. The text described the Windy location to have a total of three 70,000L tanks that would be present along with the 800 205L fuel drums, whereas the drawing showed only one 70,000L tank. The text described the Patch Lake location to have a 35,000L storage whereas the drawing indicated a 50,000L storage.

Yours truly,

*Original signed by:*

Philippe di Pizzo  
Chief Administrative Officer

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