



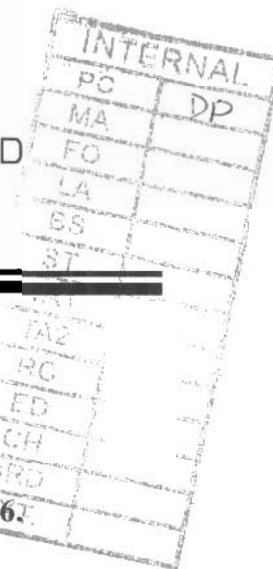
Nunavut Water
Board

SEP 23 2003

Public Registry

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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN



WATER LICENCE APPLICATION FORM

Application for: (check one) **AMENDMENT TO WATER LICENCE NWB1BOS01016**

☐ New ☒ **Amendment** ☐ Renewal ☐ Assignment

LICENCE NO:
(for NWB use only)

**1. NAME AND MAILING ADDRESS OF
APPLICANT/LICENSEE**

Miramar Hope Bay Limited
300-889 Harbourside Drive
North Vancouver, BC
V7P 3S1
Phone: 604 - 985-2572
Fax: 604 - 980-0731
e-mail: N/A

**2. ADDRESS OF CORPORATE
OFFICE IN CANADA (if applicable)**

Same as # 1:

Phone: _____
Fax: _____
e-mail: _____

3. LOCATION OF UNDERTAKING (describe and attach a topographical map, indicating the main components of the Undertaking) **Amendment to water licence NWB1BOS0106 to construct a solid waste disposal facility at the Boston Project site. An earlier application was submitted to KIA in December 2001 and copied to the NWB. This amendment application is submitted to the NWB as per their comments on the previous application. The design of the facility will be carried out in accordance with the consultant report commissioned by KIA. As built drawings would be provided following construction.**

BOSTON PROJECT SITE:

Latitude: 67 degrees 39 minutes N Longitude: 106 Degrees 22 minutes W NTS Map No. _____ Scale _____

4. DESCRIPTION OF UNDERTAKING (attach plans and drawings)

Construct a Solid Waste Disposal site at Boston camp. See attached site map and refer to consultant report commissioned by KIA. Amendment to land Use licence KTL399C029 has been copied to the NWB and this facility will be incorporated into the Commercial Exploration Lease expected to be completed with KIA by year end.

5. TYPE OF UNDERTAKING (A supplementary questionnaire must be submitted with the application for undertakings listed in "bold")

- | | |
|---|---|
| <input type="checkbox"/> Industrial | <input type="checkbox"/> Remote/Tourism Camps |
| <input type="checkbox"/> Mine Development | <input type="checkbox"/> Municipal |
| <input type="checkbox"/> Advanced Exploration | <input type="checkbox"/> Power |
| <input type="checkbox"/> Exploratory Drilling | <input checked="" type="checkbox"/> Other (describe): Solid Waste Disposal site. |

6. WATER USE

- | | |
|---|--|
| <input type="checkbox"/> To obtain water | <input type="checkbox"/> To divert a watercourse |
| <input type="checkbox"/> To modify the bed or bank of a watercourse | <input type="checkbox"/> Flood control |
| <input type="checkbox"/> To alter the flow of , or store, water | XX Other (describe): Solid Waste Disposal site |
| <input type="checkbox"/> To cross a watercourse | |

7. QUANTITY OF WATER INVOLVED (litres per second, litres per day or cubic metres per year, including both quantity to be used and quality to be returned to source)
NOT APPLICABLE TO THIS AMENDMENT APPLICATION

8. WASTE (for each type of waste describe: composition, quantity, methods of treatment and disposal, etc.)

- | | |
|--|--|
| <input type="checkbox"/> Sewage | <input type="checkbox"/> Waste oil |
| XX Solid Waste | <input type="checkbox"/> Greywater |
| <input type="checkbox"/> Hazardous | <input type="checkbox"/> Sludges |
| <input type="checkbox"/> Bulky Items/Scrap Metal | <input type="checkbox"/> Other (describe): _____ |

9. PERSONS OR PROPERTIES AFFECTED BY THIS UNDERTAKING (give name, mailing address and location; attach if necessary)

NOT APPLICABLE

Land Use Permit

- | | | |
|----------------------------|--|----------------------------|
| DIAND | <input type="checkbox"/> Yes <input type="checkbox"/> No | If no, date expected _____ |
| Regional Inuit Association | <input type="checkbox"/> Yes <input type="checkbox"/> No | If no, date expected _____ |
| Commissioner | <input type="checkbox"/> Yes <input type="checkbox"/> No | If no, date expected _____ |

10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES (direct, indirect, cumulative impacts, etc.)

NONE EXPECTED, AN INVENTORY OF MATERIAL DEPOSITED INTO THE SOLID WASTE DISPOSAL FACILITY WILL BE MAINTAINED AND SEEPAGES (IF ANY) WILL BE MONITORED AS REQUIRED.

- | | | |
|----------------|--|----------------------------|
| NIRB Screening | <input type="checkbox"/> Yes <input type="checkbox"/> No | If no, date expected _____ |
|----------------|--|----------------------------|

11. INUIT WATER RIGHTS

Will the project or activity substantially affect the quality, quantity, or flow of water flowing through Inuit Owned Lands and the rights of Inuit under Article 20 of the Nunavut Land Claims Agreement?

NO

11. (Continued)

If yes, has the applicant entered into an agreement with the Designated Inuit organization to pay compensation for any loss or damage that may be caused by the alteration. If no compensation agreement has been made, how will compensation be determined?

12. CONTRACTORS AND SUB-CONTRACTORS (name, address and functions)

CONTRACTOR YET TO BE NAMED. WORK WILL COMMENCE IN EARLY 2004

13. STUDIES UNDERTAKEN TO DATE (list and attach copies of studies, reports, research, etc.)

NOT APPLICABLE

14. THE FOLLOWING DOCUMENTS MUST BE INCLUDED WITH THE APPLICATION FOR THE REGULATORY PROCESS TO BEGIN

Supplementary Questionnaire (where applicable: see section 5) ___ Yes **XX** No If no, date expected N/A

Inuktitut/English Summary of Project **XX** Yes ___ No If no, date expected _____

Application fee \$30.00 (c/o of Receiver General for Canada) **XX** Yes ___ No If no, date expected _____

15. PROPOSED TIME SCHEDULE

___ Annual (or) ___ Multi Year

Start Date: JANUARY 01, 2004 Completion Date: N/A (Expiry date of current licence OR incorporated into the Commercial Exploration Lease)

Hugh R. Wilson Manager, Environmental Affairs
Name (Print) Title (Print)

Signature

September 18, 2003
Date

For Nunavut Water Board use only

APPLICATION FEE Amount: \$ _____ Receipt No.:

WATER USE DEPOSIT Amount: \$ _____ Receipt No.:

Amendment Application for Water Licence NWB1BOS0106

SOLID WASTE DISPOSAL FACILITY - BOSTON

Miramar Hope Bay Ltd.

Executive Summary

Miramar Hope Bay Ltd. (MHBL), is applying for a Solid Waste Disposal Facility to be located at the Boston site. This amendment application is submitted in accordance with water licence NWB1BOS1006. An application for Access to Inuit Owned Lands has been submitted to KIA. All activities at the Boston project site are currently covered under existing licences, namely KTL399C029 and Water Licence NWB1BOS0106.

The approval for a Solid Waste Disposal Facility at the Boston site is seen to be a critical component for the continued long-term activities planned for the Hope Bay Project area. The Solid Waste Disposal Facility will be located and operated giving full consideration to the Consultants report entitled "Assessment Report on Solid Waste Disposal Site at the Hope Bay Joint Venture Boston Project" prepared for KIA Lands Division by Bryant Environmental Consultants and dated August 21, 2001.

MHBL intends to follow the recommendations in the above mentioned report and operate the facility in accordance with sound waste management practices. Disposal of inert waste will include scrap metal, tires, incinerator ash, plastics, crushed fuel drums that have had all fuel residues completely removed, glass, concrete and wood. No hazardous materials will be placed in the solid waste disposal facility.

Consistent with KIA's consultants report, material will initially be placed in the area previously known as the south settling pond. Once this area has been filled, the area will be covered with crushed material. As the south pond is approaching the full stage, an adjacent cell will be constructed with existing stockpiled material, which will enable continued disposal of solid waste material generated in the project area. During construction of the new cell, MHBL will strive to follow the recommendations in the consultants report and as built drawings will be submitted to the Nunavut Water Board after the construction of the new area is completed

Once again, the approval of this application is critical to the long-term advanced exploration activities anticipated in the Hope Bay project area. The earliest possible approval would be appreciated.

[illegible]

- I. Completed Application Form **ATTACHED**
- II. Application Fee **ATTACHED**
- III. Information Outlined in License Part F, Item 1 (make note that Sludge is in error and should be Solid Waste).
 1. *If the Licensee contemplates the establishment of a Solid Waste Disposal site, it shall submit to the Board for approval at least four (4) months prior to the disposal of ~~Sludge~~ Solid Waste an application for amendment which shall address, but not be limited to:*
 - a) *Discussion of the proposed disposal method in relation to current or other waste disposal practices, and design of the facility; **Disposal of solid waste will be carried out in accordance KIA land use licence and NWB water licence terms and conditions and will follow the recommendations in the Consultants report prepared for KIA in 2001 and referred to in the executive summary.***
 - b) *Characteristics of the environment of the proposed site, in particular in relation to water resources; **The proposed disposal area is adjacent to the existing pad and the initial deposit of solid waste will occur in the area known as the south cell. The terrain is gently sloping tundra with underlying permafrost and the solid waste disposal facility is approximately 300 meters from the closest water body.***
 - c) *Economic, legal and regulatory considerations; **It is imperative that the facility be approved as soon as possible to enable placement of material in the south cell in early 2004. Ongoing exploration activity requires that such a facility be available as alternatives such as removal is inappropriate due to project economics. MHBL is not aware of any legal or regulatory considerations that may apply to this application other than receiving the approvals as applied for.***
 - d) *Operation and maintenance of the proposed facility; **Operation and Maintenance of the solid waste site will be as recommended in the consultants report prepared for KIA, as previously mentioned.***
 - e) *Monitoring program; and **Monitoring will consist of inventorying material placed in the solid waste site and any seepages from the facility during periods of flow, if any.***

- f) ***Abandonment and Restoration. Should the site be abandoned, the solid waste disposal area will be covered and contoured in accordance with best practices, however, it is not expected to be abandoned in the short term due to the anticipated exploration activities for the Boston site.***
- 2. *The Licensee shall implement the proposal specified in this Part as and when approved by the Board.*
- 3. *If the Board does not approve the proposal referred to in this Part, the Licensee shall revise this proposal and resubmit it to the Board for approval within two (2) months of receiving notification of the Board's decision.*

IV. Clarification on items a) - f) above:

- a. Site Planning Study; Preliminary Engineering Design
- b. Information on location of water bodies and drainage paths;
- c. Financial consideration for reclamation of the site, confirmation from KIA approval of the facility, long term liability of the site?
- d. Guidelines for the preparation of an Operation and Maintenance Manual are available and will be faxed to you.
- e. Proposed monitoring changes to Surveillance Network Program to evaluate inputs/discharges/runoff from the site. Location/frequency/parameters.
- f. Conceptual AR plan which outlines proposed considerations for proper closure of the site. Including but not limited to cover sources, depth of cover, outlining long term monitoring requirements and financial considerations, etc.

V. Any additional relevant information i.e. Bryant Report ***This report is available from KIA Lands. Any other information requests will be submitted if and when requested.***

Please note: The information provided herein does not represent exhaustive list of the information requirements and should only be used as a guide.

