



300-889 Harbourside Drive, North Vancouver, B.C. V7P 3S1  
phone 604-985-2572 fax 604-980-0731

March 11, 2007

Philippe di Pizzo  
Nunavut Water Board  
P.O. Box 119  
Gjoa Haven, NU X0E 1J0  
867-360-6338

*VIA Canada Xpresspost and Email*

Dear Mr. di Pizzo

**Re: Application for Renewal of Water License No. NWB2HOP0207**

We are pleased to submit three copies of our renewal application for water license NWB2HOP0207. Please find the following documents enclosed:

- Water License Application designating this submission as a **RENEWAL**
- Water License Application Supplementary Questionnaire for Exploration / Remote Camp
- Water License Application Supplementary Questionnaire for Landfarm Treatment Facilities
- Appendices are included in digital form on CD for your reference due to the size of the hard copies
- A cheque in the amount of \$ 60.00 for the application fee and water use fee
- Executive summary in English, the Inuktitut translation was not available at the time of submittal but will follow as soon as it is available

The particulars of these documents are outlined below:

*Water License Application*

As mentioned above, this water license application is for a Renewal of the existing license. During the term of the existing license, Hope Bay Joint Venture became Miramar Hope Bay Ltd. It should also be noted that there have been no major changes in the exploration activities or camp operation.

*Supplementary Questionnaire: Exploration / Remote Camp*

Drilling information included

*Supplementary Questionnaire: Landfarm Treatment Facilities*

The Windy Land Treatment Area was established as a treatment method for handling the contaminated soils from Spill 04-388, as an oversight the water license was not amended at this time to include the landfarm. In October 2005, the NWB recommended incorporating the facility into the current license. In response to this recommendation, a description of the land treatment area has been included so that the

terms and conditions can be amended relating to the handling of waste, the treatment and disposal of water impacted by the process and the final disposal of treated soils and materials that may not respond to landfarming.

If you have any questions or concerns regarding this submission, please contact me at the telephone number listed above, or e-mail me at [tmaloof@mirarmining.com](mailto:tmaloof@mirarmining.com) . Thank you for your assistance in this matter.

Yours truly,



Terri L. Maloof  
Manager, Environmental Auditing & Permitting

**Application for License Renewal : NWB2HOP0207**  
**Executive Summary**

Miramar Hope Bay Ltd. (MHBL), formerly Hope Bay Joint Venture, was assigned water license NWB2HOP0207 on March 11, 2002. This license expires on March 10, 2007 and covers the regional Hope Bay exploration program based from Windy Camp, located at 68° 3' N, 106° 37' W. MHBL is applying for a renewal of the existing Class B water license for a five year period with all existing terms and conditions remaining constant. This will provide MHBL the time frame necessary to complete exploration and feasibility assessment with the objective of moving this project closer to commercial production.

The proposed exploration activities have not changed from the exploration activities covered under the existing license, and in this regard MHBL hopes that this renewal can be issued in a timely fashion. MHBL believes that continuation of current site management activities and monitoring programs conducted in accordance with the terms and conditions of the existing license should suffice to mitigate any environmental impacts, if they should occur. The water quantity used for exploration purposes will not exceed 100 m<sup>3</sup>/day. Wastes generated from the operation will remain the same, including sewage, solid waste, waste oil, grey water and bulky items/scrap metal. Disposal of these waste materials will continue to be carried out in the manner approved by the Nunavut Water Board or the Kitikmeot Lands Manager.

This application for renewal will enable the continuation of exploration programs including prospecting, surface drilling, on-site core splitting and logging, environmental baseline data collection, domestic water use in the exploration camp and associated activities. MHBL uses local Inuit contractors and employees wherever possible. This license renewal will allow MHBL to continue this practice and in turn bring jobs and business opportunities to local communities. There have been a considerable number of environmental baseline studies conducted in the area directed towards furthering MHBL's understanding of the environmental baseline conditions within the Northern end of the Hope Bay Belt.



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

ᓄᓇᓂᓪ ᐃᓕᓕᓂᓪ ᓐᓂᓕᓪᓴᓪ  
NUNAVUT IMALIRIYIN KATIMAYINGI  
NUNAVUT WATER BOARD  
OFFICE DES EAUX DU NUNAVUT

## WATER LICENCE APPLICATION FORM

Application for: (check one)

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

### LICENCE NO:

(for NWB use only)

<b>1. NAME AND MAILING ADDRESS OF APPLICANT/LICENSEE</b>  <u>Miramar Hope Bay Ltd.</u> <u>300-889 Harbourside Drive</u> <u>North Vancouver, BC V7P 3S1</u>  Phone: <u>604-985-2572</u> Fax: <u>604-980-0731</u> e-mail: <u>tmaloof@miramarmining.com</u>	<b>2. ADDRESS OF CORPORATE OFFICE IN CANADA (if applicable)</b>  _____ Phone: _____ Fax: _____ e-mail: _____		
<b>3. LOCATION OF UNDERTAKING</b> (describe and attach a topographical map, indicating the main components of the Undertaking)  Latitude: (68°3'48" N)      Longitude: (106°37'12" W) NTS Map Sheet No. <u>77A/03</u> Scale: <u>1:50,000</u>			
<b>4. DESCRIPTION OF UNDERTAKING</b> (attach plans and drawings)  This application is to cover the renewal of water licence NWB2HOP0207 under the existing terms and conditions for a period of five additional years, which will enable the continued use of Windy Camp as a base supporting advanced exploration activities in the Hope Bay Belt outside the vicinity of Boston Camp. Water is for domestic use and associated activities and wastes generated from the operation will include sewage, solid waste, waste oil, greywater and bulky items / scrap metal. An amendment is required to incorporate the terms and conditions required by the hydrocarbon contaminated soil landfarm facility established at Windy Camp.			
<b>5. TYPE OF PRIMARY UNDERTAKING</b> (A supplementary questionnaire <u>must</u> be submitted with the application for undertakings listed in " <b>bold</b> ")  <table style="width: 100%;"> <tr> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Industrial  <input checked="" type="checkbox"/> <b>Mining and Milling</b> (includes exploration/drilling)  <input type="checkbox"/> <b>Municipal</b> (includes camps/lodges)  <input type="checkbox"/> Power         </td> <td style="width: 50%; vertical-align: top;"> <input type="checkbox"/> Agricultural  <input type="checkbox"/> <b>Conservation</b>  <input type="checkbox"/> Recreational  <input type="checkbox"/> <b>Miscellaneous</b> (describe below):         </td> </tr> </table>		<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> <b>Mining and Milling</b> (includes exploration/drilling) <input type="checkbox"/> <b>Municipal</b> (includes camps/lodges) <input type="checkbox"/> Power	<input type="checkbox"/> Agricultural <input type="checkbox"/> <b>Conservation</b> <input type="checkbox"/> Recreational <input type="checkbox"/> <b>Miscellaneous</b> (describe below):
<input type="checkbox"/> Industrial <input checked="" type="checkbox"/> <b>Mining and Milling</b> (includes exploration/drilling) <input type="checkbox"/> <b>Municipal</b> (includes camps/lodges) <input type="checkbox"/> Power	<input type="checkbox"/> Agricultural <input type="checkbox"/> <b>Conservation</b> <input type="checkbox"/> Recreational <input type="checkbox"/> <b>Miscellaneous</b> (describe below):		

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings

**6. WATER USE**

- ☒ To obtain water
 ☐ Flood control  
☐ To cross a watercourse
 ☐ To divert a watercourse  
☐ To modify the bed or bank of a watercourse
 ☐ To alter the flow of , or store, water  
☐ Other (describe):

**7. QUANTITY OF WATER INVOLVED** (cubic metres per day including both quantity to be used and quality to be returned to source)

- Water use** ☒ 100m<sup>3</sup>/day or less  
☐ Greater than 100m<sup>3</sup>/day; if greater, indicate quantities to be used for each purpose (camp, drilling, etc.)

**Water returned to source**  
0 m<sup>3</sup>/day

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

- ☒ Sewage
 ☒ Waste oil  
☒ Solid Waste
 ☒ Greywater  
☐ Hazardous
 ☒ Sludges  
☒ Bulky Items/Scrap Metal
 ☐ Other describe):

LICENSE RENEWAL - PRACTICES FOR WASTE DISPOSAL ARE CONSISTENT WITH THE CURRENT LICENSE TERMS AND CONDITIONS.

Sewage & Greywater - treated in existing RBC and then land application of treated water

Solid Waste - non-hazardous solid waste (garbage) \*\*\*\*\* moved off site \*\*\*\*\*, kitchen waste incinerated, hazardous waste shipped off site

Sludge - collected in drums and transported to Boston Camp for proper disposal

Waste Oil - shipped off site or sent to Doris North for use in waste oil burner

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

**Land Use Permit**  
 DIAND

☐ Yes
 ☒ No
 If no, date expected \_\_\_\_\_

Regional Inuit Association  
Kitikmeot Inuit Association  
P.O. Box 360  
Kugluktuk, NU X0B 0E0

☒ Yes
 ☐ No
 If no, date expected \_\_\_\_\_

Commissioner

☐ Yes
 ☒ No
 If no, date expected \_\_\_\_\_



- 10. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES** (direct, indirect, cumulative impacts, etc.) CONTINUATION OF CURRENT ACTIVITIES; NO SIGNIFICANT CHANGES TO OPERATING PLANS - CURRENT MONITORING PROGRAMS AS STATED IN EXISTING LICENSE SHOULD SUFFICE.

NIRB Screening ☐ Yes ☒ 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.

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)

Kitnuna: Cambridge Bay - contracted for winter road haulage of materials (from land based storage) and fuel (from barges) as well as operator of Challenger Cats  
Discovery Mining Services: Yellowknife - expediting services  
Major Drilling: Smithers, BC - surface exploration drilling contractor  
Kitikmeot Helicopters: Yellowknife and Cambridge Bay - provide helicopter support as required

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

No studies were undertaken specific to this license renewal. Environmental studies were conducted in 2006 but do not affect the intent of the current license or this renewal application.

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

Supplementary Questionnaire (where applicable: see section 5) ☒ Yes ☐ No If no, date expected \_\_\_\_\_

Inuktitut and/or Inuinnaqtun/English Summary of Project ☐ Yes ☒ No If no, date expected \_\_\_\_\_

Application fee of \$30.00 (Payee Receiver General for Canada) ☒ Yes ☐ No If no, date expected \_\_\_\_\_

Water Use fee of \$30.00 (unless otherwise indicated in Section 9 of the *NWT Waters Regulations*; Payee Receiver General for Canada)

☒ Yes ☐ No If no, date expected \_\_\_\_\_

**15. PROPOSED TIME SCHEDULE** (unless otherwise indicated, the NWB will consider the application for a five (5) year term)

☐ one year or less (or) ☒ Multi Year

Start Date: March 11, 2007 Completion Date: March 10, 2012

Terri L. Maloot Manager Environmental Permitting & Compliance Terri L. Maloot March 12, 2007  
Name (Print) Title (Print) Signature Date

**For Nunavut Water Board office use only**

**APPLICATION FEE**      **Amount: \$**\_\_\_\_\_ **Pay ID No.:** \_\_\_\_\_

**WATER USE DEPOSIT**      **Amount: \$**\_\_\_\_\_ **Pay ID No.:** \_\_\_\_\_