



# HOPE BAY JOINT VENTURE

Miramar Hope Bay Ltd. – Hope Bay Gold Corporation Inc.

311 West First Street, North Vancouver, B.C. V7M 1B5

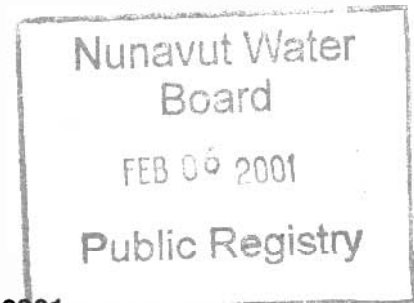
Phone 604-985-2572 Fax 604-980-0731

30 January 2001

Mr. Philippe di Pizzo  
Executive Director  
Nunavut Water Board  
P.O. Box 119  
Gjoa Haven, NU, X0E 1J0

Dear Mr. di Pizzo,

INTERNAL	
PC	
LA	
OM	
TA	
BS	
ED	
CEO	
BRD	



Re: **Application for Renewal of Water Licence No: NWB1BOS9801**  
**Advanced Exploration - Hope Bay Joint Venture**

We are pleased to submit four (4) copies of our application for the renewal for the Boston Water Licence No: NWB1BOS9801. This submission includes the following:

- Completed Water Licence Application form designating this is a **RENEWAL**.
- Completed Water Licence Application Supplementary Questionnaire for Advanced Exploration (Underground drilling, bulk sampling, etc.)
- Application Fee (cheque # H 01496) in the amount of \$30.00 payable to the Receiver General for Canada
- Four (4) Figures included in the application; Figure 1: "Boston Gold Project-Existing and Proposed Site Plan – Boston Project Site"; Figure 2: "Boston Project Site" (larger scale to figure 1 and better shows the existing and proposed facilities at the Boston Project Site; Figure 3: "Proposed Fuel Tank Farm" cross section and Figure 4: "Proposed Fuel Tank Farm-Boston" Proposed Tank Layout.
- Executive Summary in English and translated into Inuktitut.

As mentioned above, this water licence application is for a "Renewal" of the existing licence. It should also be noted that there have been no major changes in the operation and therefore the licence renewal is seen to be straight forward with little need to change the existing licence terms and conditions. Over the term of the current licence, the assignment of the licence to Miramar Hope Bay Ltd and Hope Bay Gold Corporation Inc. there are terms and conditions that require revision. As such, we provide the following review of the existing licence terms and conditions, clarify the changes that have occurred over the period of the licence and provide our suggestions for changes to terms and conditions in the renewal. In this regard, we provide the following review.

## **Part A: Scope and Definitions:**

### **1. Scope:**

The correct licensee names are "Miramar Hope Bay Ltd. and Hope Bay Gold Corporation Inc.

### **2. Definitions:**

No Comment – existing definitions in general are fine. One comment on the definition for "Modification" would be to clarify that the elimination of an existing structure would not require the submission of "as built" drawings as stated in Part F Item 3. The Board's amendment # 3 for the current licence approved the use of only one intake for all water use, as such there was really no modification. In this case, we do not feel "as built" drawings are required.

## **Part B: General Conditions:**

1. No comment, water use fee will be paid with annual report due 31 March each year.
2. Both Miramar Hope Bay Ltd. and Hope Bay Gold Corporation Inc. have complied with this clause and the total security provided now stands at \$1,700,000.00. The new licence should reflect this.
3. No comment. Should remain in licence renewal.
4. Item 1 and 2 should be revised as all fresh water is taken from SNP station 1652-1(a) as per the amendment # 3, dated August 2, 2000.
5. No Comment. Should remain in licence renewal.
6. No comment, this infers the conditions of the effective SNP and we have made comments on the SNP later in this submission.
7. No comment, this should remain in the licence renewal.
8. No comment, this should remain in the licence renewal.
9. No comment, this should remain in the licence renewal.
10. No comment, this should remain in the licence renewal.

## **Part C: Conditions Applying to Water Use**

- 1.)
- 2.) All freshwater obtained for the operation including domestic and for mine activities is obtained from SNP Station 1652-1(a). Please refer to the Water Board amendment #3 dated August 2, 2000. These two clauses should be re-written to reflect this change in the licence renewal.
3. As per the attached application form, we are requesting the daily quantity of water used for all purposes remain at **150 cubic meters per day**.
4. No comment, this should remain in the licence renewal.

#### **Part D: Conditions Applying to Waste Disposal**

- 1.)
- 2.) No comment, these should remain in the licence renewal.
3. We suggest this clause be re-written to allow the licence to utilize the sewage sludge as a possible additive to impacted areas as a growth medium. This also fits in with the Water Board's wastewater discharge guidelines. If we were given the option to place the sludges on impacted areas as "test plots" this may prove to be a viable treatment option for not only the Hope bay Joint Venture, but other operations as well. We suggest new wording provide some flexibility to allow these test sites to be utilized.
4. No comment, suggest this clause remain the same including the current effluent quality requirements in the licence renewal.
5. No comment, suggest this clause remain the same in the licence renewal.
6. No comment, suggest this clause remain the same in the licence renewal.
7. No comment, suggest this clause remain the same including the current effluent quality requirements in the licence renewal.
8. No comment, suggest this clause remain the same in the licence renewal.
9. No comment, suggest this clause remain the same in the licence renewal.

#### **Part E: Conditions Applying to the Undertaking:**

The existing licence has clauses that are not in sequence by number. The licence renewal should have numbers in sequence. Based on the existing terms in Part E, comments are as follows:

1. No comment, suggest this clause remain the same in the licence renewal.
10. No comment, suggest this clause remain the same in the licence renewal.
11. This clause contradicts our land use permit conditions which allows drilling from ice and in some cases close to shore and within the 30 meter restriction. When drilling is carried out from the ice, the poly-drill solids retention method is employed and the residue is disposed of in an area approved by KIA Lands. Should this clause remain in the licence renewal, re-wording should be given consideration.
12. The clause as written gives the licensee some flexibility in disposing of solid waste and as such we would consult with the Board as required. As we understand it, the current Land Use Permit allows for the construction of a solid waste disposal site. Should the Hope Bay Joint Venture proceed with a solid waste disposal site, appropriate notifications would be forthcoming.

## **Part F: Conditions Applying To Modifications**

1.)

2.)

3.) No comments on these clauses. It is suggested that they remain the same in the licence renewal. Please note our comments regarding the definition of modification in Part A.

## **Part G: Conditions Applying to Studies**

1.)

2.) These clauses are not applicable for the licence renewal as it refers to a document that we understand had been provided by BHP – the previous owner. It is suggested that they should be removed or changed to reflect the Hope Bay Joint Venture's (current owners) plans. It is our intention to continue investigating the application of sewage effluent as a medium to remediate hydrocarbon contaminated areas, however; these investigations would be carried out over a period of years.

## **Part H: Conditions Applying To Spill Prevention and Contingency Planning**

1. We agree in principle with this clause, the only comment would be that, if properly constructed, fuel could be stored in an area that may encroach on the 30 metre limit. Some consideration should be given to this potential scenario and the clause written as such.

2. This clause should be removed or re-written to reflect the current ownership. We believe the Spill Contingency Plan was submitted as required by the previous owner and was revised and resubmitted by the Hope Bay Joint Venture in early 2000. It is our opinion that our submission complies with this condition.

3. We agree that the Spill Contingency Plan should be revised if not acceptable to the Board. This should be incorporated into the new clauses in the renewed licence.

4. We agree the Spill Contingency Plan should be reviewed annually and as mentioned above, the renewed licence terms and conditions should reflect this, keeping in mind the new ownership of the project.

5. We agree in principle with this clause, the only comment would be; there needs to be a better understanding of what constitutes a spill and at what quantity. The practice followed during the 2000 program was to report all spills regardless of size. This we feel somewhat overloads the spill report line and from experience it is difficult to get the spill report files closed by the inspector. We would suggest that reporting should be required for spills over 150 litres as is the case in British Columbia and to supplement this, a record of spills of all un-reportable amounts be kept.

## **Part I: Conditions Applying To Abandonment and Restoration**

This section should be re-written to reflect the current ownership, it is also noted that the clause numbers are out of sequence and this should be corrected in the renewed licence. Comments are:

1.)

2.)

3.) We believe the previous owner submitted the required plan which has been accepted by the Board. The Hope Bay Joint Venture accepted this plan as part of the purchase agreement until such time as we could review the plan, assess the commitments made in the existing plan, and develop our own strategy to address Abandonment and Restoration issues. It should be noted that the Hope Bay Joint Venture carried out a significant clean-up effort in the belt during the 2000 program and we feel this activity has greatly reduced the clean-up liability on the project.

6.)

7.) Again, we suggest that these clauses be re-written to reflect the current ownership. The Board should establish (if appropriate) new terms and conditions in Part I after giving full consideration to the significant clean-up effort demonstrated by the Hope Bay Joint Venture in 2000.

## **SURVEILLANCE NETWORK PROGRAM**

### **A. Sampling Locations, Sampling Requirements, and Analysis Requirements:**

This table should be revised to reflect the amendments approved in 2000.

### **B. SNP General Requirements**

There appears to be a numbering sequence error, this should be rectified in the renewed licence.

1.)

1.) The Hope Bay Joint Venture adopted the Quality Assurance/ Quality Control plan submitted by BHP and approved by the Board. We feel the plan approved by the Board is still valid but suggest that the clause, if deemed necessary in the renewed licence, be written to reflect the current ownership. Further, the Hope Bay Joint Venture is reviewing this plan and will revise and update if deemed necessary.

2.)

3.) No comments, it is expected these clauses would be included in the renewed licence

4. This clause should remain in the renewed licence.

### **C. Flow Measurement Requirements**

No comments other than to suggest the renewed licence reflect the amendments approved in 2000 and item 1 would no longer be required.

### **D. Reports**

No comments, suggest this clause remain as is in the renewed licence.

### **5. Modifications to the SNP.**

This should possibly be section **E and not 5**. This clause should remain as is in the renewed licence.

### **Schedule II –Licensing Considerations**

### **Schedule III- General Conditions for the Administration of Licences Issued by the Nunavut Water Board (NWB)**

These two schedules appear to be standard to all licences, and suggest that they be incorporated into the renewed licence. The only comment at this time is related to Schedule III item 4, where discussion on a public hearing is mentioned and that a public hearing may or may not be required. It is the Hope Bay Joint Venture's position that, because this is a renewal application, there has been no major changes to the operation and the Board has approved the requested amendments in 2000, we see there being no need to hold a public hearing for our renewal application. We will reserve further comments on Schedule II and III once the renewed licence is provided for comment.

We look forward to discussing this renewal application for Water Licence **NWB1BOS9801** with you in the coming months and hope the forgoing provides a satisfactory review of the current licence, our position on certain clauses and are hopeful the Board will give full consideration to our suggested changes. We also look forward to reviewing the "draft" renewed licence in due course.

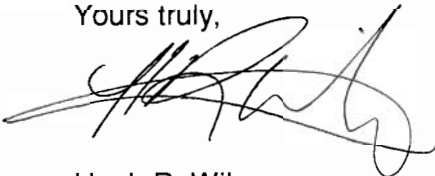
Should you require clarification on anything related to this application please do not hesitate to contact the undersigned at the numbers above, on cell # 780-975-2550 or by e-mail to:

[hwilson@miramarmining.com](mailto:hwilson@miramarmining.com);

[hugh\\_r\\_wilson@hotmail.com](mailto:hugh_r_wilson@hotmail.com)

[terrbear@powersurfr.com](mailto:terrbear@powersurfr.com).

Yours truly,



Hugh R. Wilson  
Manager, Environmental Affairs

Cc: HBJV Management Committee  
A. Fleming, Exploration Manager.

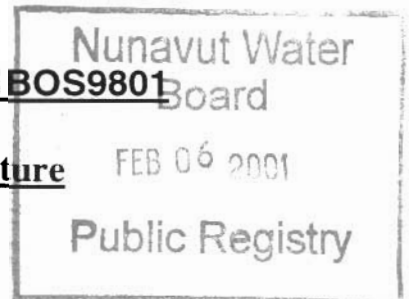
Attach. Water Licence Application Form  
Supplementary Questionnaire  
Figures 1through4  
Cheque (Application Fee)

**Application for Renewal of Water Licence No: NWB1BOS9801**

**Boston Gold Project:**

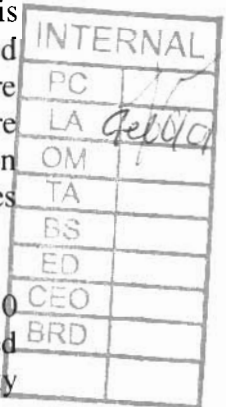
**Advanced Exploration - Hope Bay Joint Venture**

**Executive Summary**



The Hope Bay Joint Venture (HBJV), which consists of Miramar Hope Bay Ltd. and Hope Bay Gold Corporation Inc., were assigned water licence NWB1BOS9801 on October 27, 1999 by the Nunavut Water Board. The licence expires on July 31, 2001 and the Hope Bay Joint Venture is applying for a renewal of this licence.

This licence renewal covers the Boston Gold Project, located at latitude 67 degrees 39 minutes North and Longitude 106 degrees 22 Minutes West. The description of the undertaking for this licence renewal can be summarized as follows: "This application is for the renewal of the existing water licence which will enable the continued advanced exploration programs at Boston covering, prospecting, continued surface drilling, core splitting and logging on site, underground drilling/exploration and possible future development which may require handling of waste rock material and ore to be stored on surface on or adjacent to existing waste/ore pads, domestic use and associated activities and possible additional environmental baseline data collection".



This licence renewal is to obtain water for advanced exploration purposes at a rate of 150 cubic meters per day, which is the same rate as in the existing licence. Wastes generated from the operation will include sewage, solid waste, waste oil, greywater and bulky items./scrap metal. Disposal of all waste material will be carried out in a manner approved by the Nunavut Water Board or the Kitikmeot Lands Manager. The operating plans at Boston have not significantly changed from the existing licence and we see the licence renewal being issued with little difficulty. Continuation of current activities, no significant changes to operating plans, current monitoring programs as stated in the current licence should suffice in predicting any environmental impacts, if they occur.

The Hope Bay Joint Venture uses local Inuit contractors and employees wherever possible and significant benefits have been provided Inuit from the Boston project over the 2000 program. This licence renewal will allow the Hope Bay Joint Venture to continue this practice and bring jobs and business opportunities to Kitikmeot based companies, which are primarily owned by Inuit. There has been a considerable amount of environmental baseline studies carried out in the area, however, the programs completed in 2000 did not apply directly to this licence. The Hope Bay Joint Venture is pursuing the opportunities of joint monitoring programs including wildlife with Nunavut wildlife to compliment the existing very large database of environmental information. The Hope Bay Joint Venture believes that working cooperatively will provide valuable information to all at a much more reasonable cost.

We are requesting a five (5) year licence renewal, which will provide the time necessary to assist the Hope Bay project to move forward to an operating mine, providing significant benefits to Nunavut in general and the Kitikmeot Region in particular.

[illegible]



P.O. Box 119

GJOA HAVEN, NT XOE 1J0

TEL: (867) 360-6338

FAX: (867) 360-6369

kNK5 wmoEp5 vtmpg

NUNAVUT WATER BOARD

NUNAVUT IMALIRIYIN KATIMAYINGI

### WATER LICENCE APPLICATION FORM

Application for: (check one) **RE: LICENCE # NWB1BOS9801**

☐ New ☐ Amendment **XX Renewal** ☐ Assignment

LICENCE NO:  
(for NWB use only)

**nwb1bos**

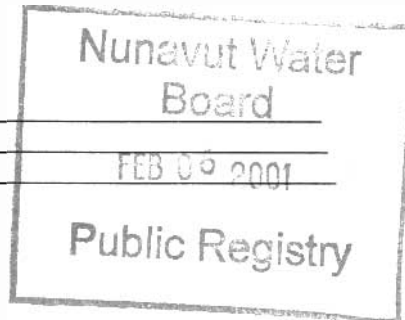
**1. NAME AND MAILING ADDRESS OF  
APPLICANT/LICENSEE**

Hope Bay Joint Venture  
(Miramar Hope Bay Ltd./Hope Bay Gold Corp.)  
311 West First Street  
North Vancouver, BC  
V7M 1B5  
Phone: 604-985-2572  
Fax: 604-980-0731  
e-mail: [hwilson@miramarmining.com](mailto:hwilson@miramarmining.com)  
[hugh\\_r\\_Wilson@hotmail.com](mailto:hugh_r_Wilson@hotmail.com);  
[terrbeare@powersurfr.com](mailto:terrbeare@powersurfr.com)

**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) **BOSTON GOLD PROJECT, NT**

Latitude: 67 degrees 39 Minutes North Longitude: 106 degrees 22 Minutes West NTS Map No. 760/9  
Scale \_\_\_\_\_

**4. DESCRIPTION OF UNDERTAKING** (attach plans and drawings)

This application is for the renewal of the existing water licence which will enable the continued advanced exploration programs at Boston covering, prospecting, continued surface drilling, core splitting and logging on site, underground drilling/exploration and possible future development which may require handling of waste material and ore to be stored on surface on or adjacent to existing waste / ore pads, domestic use and associated activities, possible additional environmental baseline data collection.

**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               |
| <b>X</b> Advanced Exploration                 | <input type="checkbox"/> Power                   |
| <input type="checkbox"/> Exploratory Drilling | <input type="checkbox"/> Other (describe): _____ |

INTERNAL	
PC	
LA	<i>Relic</i>
OM	
TA	
BS	
ED	
CEO	
BRD	

**6. WATER USE**

- |   |  |
|---|--|
| <input checked="" 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     | <input type="checkbox"/> Other (describe): _____ |
| <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)

As nothing has changed from the existing licence and quantities of water use remain the same, we respectfully request that the Quantity of water to be used be **150 Cubic Meters per day**.

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

**Licence renewal, practices consistent with current licence**

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> Sewage                  | <input checked="" type="checkbox"/> Waste oil    |
| <input checked="" type="checkbox"/> Solid Waste             | <input checked="" type="checkbox"/> Greywater    |
| <input type="checkbox"/> Hazardous                          | <input type="checkbox"/> Sludges                 |
| <input checked="" 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) **N/A**

**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.)

**Continuation of current activities, no significant changes to operating plans, current monitoring programs as stated in existing licence should suffice.**

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

**IT IS OUR OPINION THAT NIRB WOULD PROVIDE A SCREENING DECISION UPON REQUEST BY THE NWB.**

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

**KitNuna:** Cambridge Bay; Contracted for winter road haulage of materials (from land based storage area) 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.

**Procon Mining:** Vancouver, BC: Providing services to gain access to the existing underground and development of access areas for exploration drilling.

**Advanced Drilling:** Vancouver, BC: Underground exploration drilling contractor

**Kitikmeot Helicopters Ltd.** Cambridge Bay: Provide helicopter support as and when required.

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

No studies were undertaken specific to this licence renewal. There was environmental baseline work carried out in the belt in 2000, however; these studies do not affect the intent of the current licence or this renewal application

**13. 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/English Summary of Project ☒ Yes ☐ No If no, date expected \_\_\_\_\_

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

**14. PROPOSED TIME SCHEDULE**

☐ Annual (or) ☒ Multi Year

Start Date: AUGUST 1, 2001

Completion Date: JULY 31, 2006

HUGH R. WILSON

MANAGER, ENVIRONMENTAL  
AFFAIRS

Name (Print)

Title (Print)

  
Signature

30-JAN, 2001  
Date

For Nunavut Water Board use only

APPLICATION FEE

Amount: \$

30

Receipt No.:

C 116794

WATER USE DEPOSIT

Amount: \$

Receipt No.: