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NWB Annual Report **Year being reported:** 2010

License No: 2BB-BOS0712 **Issued Date:** July 6, 2007
Expiry Date: July 31, 2012

Project Name: Boston Advanced Exploration Project

Licensee: Hope Bay Mining Ltd.

Mailing Address:
300-889 Harbourside Dr.
North Vancouver, BC
V7P 3S1

Name of Company filing Annual Report (if different from Name of Licensee please clarify relationship between the two entities, if applicable):
The licence was reassigned in 2008 from Miramar Hope Bay Limited to Hope Bay Mining Ltd.

General Background Information on the Project (*optional):
The Boston site supports advanced mineral exploration in the south end of the Hope Bay Greenstone Belt.

Licence Requirements: the licensee must provide the following information in accordance with
Part B Select

A. A summary report of water use and waste disposal activities, including, but not limited to: methods of obtaining water; sewage and greywater management; drill waste management; solid and hazardous waste management.

Water Source(s): Aimaokatuk (Spyder) Lake for domestic use and drilling purposes. The total quantity of water allowable by the license is 36,500 m^3/yr or 100 m^3/day. There is no differentiation between quantities to be used domestically or for drilling.

Water Quantity:

not specified	Quantity Allowable Domestic (m^3)
386	Actual Quantity Used Domestic (m^3)
not specified	Quantity Allowable Drilling (m^3)
82.5	Total Quantity Used Drilling (m^3)

Waste Management and/or Disposal

- [x] Solid Waste Disposal
- [x] Sewage
- [ ] Drill Waste
- [x] Greywater
- [x] Hazardous
- [x] Other: Fuel Farm Berm, Land Treatment Area and Mine Portal discharges

Additional Details:

Water for domestic use at Boston Camp is obtained from Aimaoktatuk Lake via a 2 inch diameter submerged pipe with a DFO compliant fish screen. This intake pipe is linked to a pumphouse located approximately 30 metres from shore. No water was used for drilling purposes during 2010. Boston camp was re-opened in June 2010 and operated continuously.

Waste produced on site is treated according to Part D of the license.

-Food waste, paper waste and untreated wood waste is burned in the incinerator as per Part D Item 3.
-Solid waste that cannot be burned is taken offsite for disposal. In 2010, a total of 26,600 lbs of solid waste was removed from Boston via aircraft to the Doris North Roberts Bay jetty for removal by summer sea-lift.
- Drill cuttings produced during 2010 were disposed of at the approved cuttings disposal area at Boston .
-Sewage and greywater produced on site is processed in the sewage treatment plant as per Part D Item 11. No Sludge was removed from the sewage treatment plant, and no Sludge was burned in the incinerator in 2010.
-Hazardous materials such as waste oil, glycol, and contaminated soil are being shipped offsite for disposal in an approved facility as per Part D Item 5. A total of 6,970 liters of waste oil and waste fuel was shipped to Doris North to be either reclaimed, or shipped off-site by the summer sealift.
- Fuel berm effluent is sampled for water quality against the discharge criteria of the licence. Effluent that meets the standards for discharge is released in accordance with the licence following a notification to the Inspector; effluent that does not meet the licence criteria is treated onsite until it is remediated to acceptable levels for discharge, or it is removed offsite for treatment/disposal.
-Effluent from the Land treatment Facility is sampled in accordance with the licence criteria for discharge - no dicharges occured from the facility in 2010.
- Effluent from the mine portal/decline is sampled in accordance with the criteria specified for Monitoring Station BOS-2 (Containment Pond). Approximately 68 cu.m. of water was pumped from the mine portal to containment pond in 2010, and will be held until spring 2011, as it is currently frozen.

B. A list of unauthorized discharges and a summary of follow-up actions taken [as per Part B Item 7(ix)].

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: Sept 18/10
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

A blown skid steer hydraulic fluid hose leaked 10L onto the laydown at Boston Camp. The machine was removed from service and corn cob was spread on the area then later removed for disposal. The machine maintenance records were reviewed to ensure proper maintenance had been occurring.

C. Revisions to the Spill Contingency Plan [as per Part B Item (x)]

Other: (see additional details)

Additional Details:

The NWB approved the revised Spill Contingency Plan, submitted in March 2010, in July 2010. This approval requested the updating of some of the contact information for government officials. The requested corrections were made in July 2010. This updated Spill Contingency Plan is attached.

D. Revisions to the Abandonment and Restoration Plan [as per Part B Item 7(x)]

Other: (see additional details)

Additional Details:

The Abandonment and Restoration Plan submitted in October 2007 has not been modified or revised.

E. Summary of Drilling Activities and Progressive Reclamation Work Undertaken of Drill Sites [see Part

Additional Details (i.e., work completed and future works proposed)

See the attached supplement at item 9 for details.

F. Results of the Monitoring Program including [as per Part B Item 7(vii)]:

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where sources of water are utilized;

Details attached

Additional Details:

The coordinates for the freshwater intake (BOS-1) are in the attached coordinates file.

Drilling water source coordinates are maintained on file in the HBML Geology Department for all water sources utilized proximal to the drill targets. Pertaining to 2BB-BOS0712, only Aimaokatuk (Spyder) Lake was utilized as a drill water source in 2010.

The GPS Co-ordinates (in degrees, minutes and seconds of latitude and longitude) of each location where wastes associated with the licence are deposited;

Details attached

Additional Details:

The coordinates for waste discharge locations (BOS-2, 3, 4, 5, 6) are in the attached coordinates file.

Results of any additional sampling and/or analysis that was requested by an Inspector or the Board (as per Part B Item 7(xvii))

No additional sampling requested by an Inspector or the Board

Additional Details: (date of request, analysis of results, data attached, etc)

N/A

G. Any other details on water use or waste disposal requested by the Board by November 1 of the year being reported [as per Part B Item 7(xviii)].

No additional sampling requested by an Inspector or the Board

Additional Details: (Attached or provided below)

N/A

H. Any responses or follow-up actions on inspection/compliance reports [as per Part B Item 7(xi)]

No inspection and/or compliance report issued by INAC

Additional Details: (Dates of Report, Follow-up by the Licensee)

N/A

I. Any additional comments or information for the Board to consider

Please see attached supplement for additional information requirements set out in Licence No. 2BB-BOS0712.

Date Submitted:	March 31, 2011	
Submitted/Prepared by:	Chris Hanks	
Contact Information:	**Tel:**	(720) 917-4489
	Fax:	(604) 980-0731
	email:	chris.hanks@newmont.com

GPS Coordinates for water sources utilized

Source Description	Latitude			Longitude		
	° Deg	' Min	" Sec	° Deg	' Min	" Sec
BOS-1 - Raw water supply intake at Spyder Lake	67	39	34.7	106	23	39.9

GPS Locations of areas of waste disposal

Location Description (type)	Latitude			Longitude		
	° Deg	' Min	" Sec	° Deg	' Min	" Sec
BOS-2 - Containment Pond Discharge	67	39	29.3	106	22	58.2
BOS-3 - Sewage Disposal Facility Final Discharge	67	39	33.9	106	23	10.5
BOS-4 - Treated sewage effluent point prior to entry into Aimaokatuk (Spyder) Lake	67	39	41.2	106	23	10.1
BOS-5 - Effluent from the bulk fuel storage facility prior to release	67	39	27.5	106	23	1.2
BOS-6 - Effluent from the landfarm treatment facility prior to release	67	39	29.3	106	23	3.5

2010 2BB-BOS0712 Type B Water License Annual Report Supplemental Document

Boston Camp

Nunavut Water Board

Prepared by
Hope Bay Mining Ltd.
North Vancouver, BC

Prepared for
Nunavut Water Board
Gjoa Haven, NU

March 2011

Executive Summary
2BB-BOS0712 Annual Report

Hope Bay Mining Ltd. ("HBML") has filed its Annual Report on its activities during 2010 under Water Licence No. 2BB-BOS0712 issued by the Nunavut Water Board on July 20, 2007. Note in 2008 this licence was transferred from the previous owner, Miramar Hope Bay Mining Ltd., to HBML. As set out in Part B, Item 7 of the Licence, the report includes information with respect to the following topics:

- a summary of water use and waste disposal activities
- a summary of data generated under the Monitoring Program
- a list of unauthorized discharges and a summary of follow-up actions taken
- a brief description of follow-up actions taken to address concerns detailed in inspection and compliance reports prepared by the Inspector
- up to date contact information with respect to the Spill Contingency Plan
- A description of all progressive and/or final reclamation work undertaken
- A summary of modification and/or major maintenance work carried out on the water supply and waste disposal facilities
- A summary of consultation with local organizations and residents of nearby communities
- A brief description of future studies currently planned or proposed

Aolapkaeyin Naetomik Okaohen
2BB-BOS0712 Ukeogoagaagan Unipkaak

Hope Bay Mining Ltd. (“HBML”) tonihihimaliktun Ukeotoagaagan Unipkamiknik havaamigun 2010-mi ukeommi ilagani Imaknik Atogeagani Laeseoyum Napaa 2BB-BOS0712 toniyaohimayok Nunavumi Imalikiyin katimayenin July 20-mi 2007-mi. Kaoyimalogo 2008-mi una laeseoyok nuhimayok hivoagun nanminikaktugaloamin, Miramar-konin Kapihiliktumi Oyagaktakvik-kunin ukunuga HBML-kunin. Okakhimayumi Naonaepkun B-mi, Ilikuktok 7 Laeseoyumi, unipkak ilakaktok hivunikhiyotikhanik ukununa:

- naetomik okaoheoyonik imaknik atoknigagun ikagolikiyotilo
- naetomik okaoheoyonik hivunikhiyotikhan ilagani Amigiyotinun Havaam
- titigakhimayonik agiktaohimagitun kuvigaeyun naetomilo okaoheoyunik upiyotinik kigoagun
- naetomik okaoheoyonik upiyotinik ihoakhiyaagani ihomalutaoyun titigakhimayun ilitokhaeyutinin maligoateakmagaalunen makpigaagini ihoakhakhimayaeni Ilitokhaeyim
- nutaanik okakatikhanik hivunikhiyumanikan Kuveyokakan Havaagiyakhaenun Upalogaeyaonmik
- okateaklogin tamaeta hivumuginaktun kigolelo nunan utiktitpaleayagani ilitkuhenun havaagiyaovaleayun
- naetomik okaoheoyonik notaguktitiyutinik ihoakhaotiniklunen imiktakvikon havaoheoyun ikagukvelo pikotaoyunik
- naetomik okaoheoyonik okakatigegutinun nunalikni timeoyuni inoelo haneanetun nunalikni
- naetomik okaoheoyonik hivunikhami ilitokhaotikhanik taya ihoakhaktaoliktun atoktaoyumayolunen

ᓄᐃᓰᔾᔨᒪᔪᑦ ᑐᓴᖅᓴᓕᐅᔾᔨᒪᔪᑦ
2BB-BOS0712 ᐅᑭᐅᒧᑦ ᐊᑐᕆᐅᔪᑦ ᑐᓴᖅᓴᓕᐅᔾᔨᒪᔪᑦ

Hope Bay Mining Ltd. ᐅᓵᖅᓯᐅᖅᑎᑦ ᐅᑭᐅᒧᑦ ᐊᑐᖅᑕᖏᓐᓄᐊ ᐅᓂᒃᓕᐅᔾᔨᑐᑦ ᑐᓴᖅᓴᓕᐅᔾᔨᑐᑦ ᐱᓕᓇᐊᓇᓵᒥᖏᓐᓄᑦ ᐅᑭᐅᒧᑦ 2010 ᐃᒪᖏᒧᑦ ᓕᐃᓴᖅᓱᑕ ᓄᓴᐅᑦ 2BB-BOS0712 ᐊᖏᕈᐅᓕᐅᔾᔨᑐᖅ ᓄᓇᕗᒥ ᐃᒪᓕᓇᓵᑦ ᑲᑎᒪᓵᖅᖏᖓᓂᑦ ᕿᓕᐃ 20, 2007. ᑐᑭᓯᐊᓕᒃ 2008-ᒧᑦ ᓕᐃᓴ ᑭᖓᓄ ᓄᑎᖅᑐᓕᐅᔾᔨᑐᖅ ᓯᕗᑦᓕᐅᕆᓂᑦ ᑕᐃᔨᓇᖅᑦ ᓄᒥᓂᖅᑐᓕᐅᔾᔨᑐᖅ, Miramar Hope Bay Mining_ᔨᖓᓂᑦ, HBML_ᔨᖓᓄᑦ. ᐊᖏᕈᐅᓯᒪᔪᖅ ᒪᓕᒃᓗᐃ Part B, ᓄᓴᐅᑎᖅᑐᖅ 7 ᓕᐃᓴᒥ, ᑐᓴᖅᓴᓕᐅᔾᔨᓯᒪᔪᖅ ᐅᓂᒃᓕᐅᔾᔨᓯᒪᔪᖅ ᑐᓂᖅᓱᔪᖅ ᑕᔨᓄᖓ ᐊᑭᓂ ᑎᑎᕋᓯᒪᔪᓄᑦ:

- ᓄᐃᓰᔾᔨᓯᒪᓴᓗᑎᒃ ᐅᓂᒃᓰᔾᔨᓯᒪᔪᑦ ᐃᒪᐅᑦ ᐊᑐᖅᑕᐅᓂᖓᓄᑦ ᐊᒪᒪᓗ ᐊᒃᑕᔨᖅᑕᖅᓂᕐᓂᑦ
- ᓄᐃᓰᔾᔨᓯᒪᓴᓗᑎᒃ ᐅᓂᒃᓰᔾᔨᓯᒪᔪᑦ ᐊᒪᒪᓗ ᖃᐅᔨᓴᖅᑕᐅᓕᓕᒫᓂᑦ ᐊᑐᖅᑐᑦ
- ᑎᑎᕋᓯᒪᔪᑦ ᐊᖏᕈᐅᓯᒪᔪᕐᑐᑦ ᓴᖏᐊᓕᓕᐊᔪᑦ ᐊᒪᒪᓗ ᖃᓄᖅ ᐊᖏᕈᐅᓕᐅᔾᔨᓂᕐᓂᑦ ᑎᑎᖃᕋᓯᒪᓴᓗᑎᒃ
- ᓄᐃᓰᔾᔨᓯᒪᓴᓗᑎᒃ ᑎᑎᕋᓯᒪᔪᑦ ᖃᐅᔨᓴᖅᑕᐅᖃᖅᑎᓯᑐᖅᑐᑦ ᓯᓄᐃᐅᓪᓄᐃᑦ ᖃᐅᔨᓴᖅᑕᐅᓂᖓᓂᑦ ᐊᒪᒪᓗ ᐃᓯᒪᓗᑐᐅᔾᔨᓄᑦ ᑭᐅᔪᑦᑐᕐᓂᑦ ᐅᖃᐅᓯᐅᓕᐅᔾᔨᑐᑦ
- ᐅᑦᓗᒥᒧᑦ ᐊᖏᕈᐅᓯᒪᔪᑦ ᐞᐃᕐᔪᖃᖅᑦᑐᑦ ᐊᑐᖅᑕᐅᔪᓂᖅᑐᑦ ᐊᖏᑭᒪᔪᑦ ᐊᑐᐃᓐᓄᐅᔪᑦ
- ᐊᑐᖅᑕᐅᔪᑦ ᓯᓄᑐᐃᓐᓄᐃᑦ ᐊᒪᒪᓗ ᓴᓂᒃᑕᐅᓂᒧᑦ ᓄᑦᖃᔭᖅᑎᖅᑕᐅᓂᐊᖅᑐᓂᒃᓄᑦ ᓄᓇᑦ ᓴᓄᐅᑦᐅᓕᐅᔪᑦ
- ᓄᐃᓰᔾᔨᓯᒪᓴᓗᑎᒃ ᑎᑎᕋᓯᒪᔪᑦ ᓄᑦᖃᔭᖅᑎᖅᑕᖓᐅᓕᐅᔪᑦ ᐊᒪᒪᓗ ᐊᖏᕈᐊᖅᑕᐅᔪᑦ ᐊᖏᓯᖅᑕᐅᔪᑦ ᓴᓄᐅᑦᐅᓕᐅᔪᓂᖅᑐᑦ ᐃᒥᖅᑕᖅᐳᑎᒧᑦ ᐊᑐᖅᑐᑦ ᐊᒪᒪᓗ ᐃᒪᖏᒧᑦ ᖃᐃᐊᖅᑎᐃᑎᑦ
- ᓄᐃᓰᔾᔨᓯᒪᓴᓗᑎᒃ ᑎᑎᕋᓯᒪᔪᑦ ᓯᕗᓂᓴᒥ ᖃᐅᔨᓴᖅᑕᐅᓂᐊᖅᑐᓂᒃᓄᑦ ᒪᓐᓇᒧᑦ ᐸᖏᓇᑕᐅᓕᖅᓯᓕᐊᔪᑦ ᐅᓕᓗᓐᓂᑦ ᑐᓴᕐᓂᑦ ᐊᓂᕐᓂᑦ

Table of Contents

1. The monthly and annual quantities in cubic meters of all freshwater obtained from Aimaoktatuk (Spyder) Lake at Monitoring Station BOS-1 [as per Part B Item 7(i)]

Table 1 summarizes the 2010 monthly and annual quantities of freshwater obtained for domestic use under license 2BB-BOS0712 at monitoring station BOS-1 from Aimaoktatuk Lake. Boston Camp was closed January through May 2010 and it re-opened June 12, 2010 at reduced staffing levels while modifications/upgrades to the Sewage Treatment Facility were being completed (water use began June 15, 2010). Exploration drilling occurred at two locations in 2010.

The volumes shown in Table 1 differ from those submitted in the monthly monitoring reports for license 2BB-BOS0712. After a careful review of all data for 2010, it was determined that there were errors in the meter readings for the raw water used. A calibration check of the water meter revealed that it read approximately 13% too low. In addition to this, the spreadsheet calculations were erroneously converted from gallons to cubic metres instead of litres to cubic metres. Consequently, we feel the values reported in the monthly SNP Reports were not an accurate account of the volumes used. Table 1 below shows the water volumes recorded by the meter as well as the estimated water volumes based on our recalculations. The water meter was recalibrated March 29, 2011 and steps are being taken to ensure scheduled calibrations occur throughout the year to verify the values are accurate.

Table 1 - Monthly and annual quantities of all freshwater obtained from Aimaoktatuk Lake at BOS-1, 2010, in cubic meters (m^3).
Note: Water License limits use to 100 cubic meters per day.

Month	Volume Camp (m^3) (Recorded)	Volume Camp (m^3) (Estimated)	Volume Drilling (m^3)	Total (m^3) (Recorded)	Total (m^3) (Estimated)
January	Camp Closed	Camp Closed	No Drilling	N/A	N/A
February	Camp Closed	Camp Closed	No Drilling	N/A	N/A
March	Camp Closed	Camp Closed	No Drilling	N/A	N/A
April	Camp Closed	Camp Closed	No Drilling	N/A	N/A
May	Camp Closed	Camp Closed	No Drilling	N/A	N/A
June	32.88	9.86	No Drilling	32.88	9.86
July	337.62	182.39	41.1	378.72	223.49
August	300.73	90.01	41.4	342.13	131.41
September	142.60	42.68	No Drilling	142.60	42.68
October	82.32	24.65	No Drilling	82.32	24.65
November	64.78	19.40	No Drilling	64.78	19.40
December	56.87	17.01	No Drilling	56.87	17.01
Total	**1017.80**	**386.00**	**82.5**	**1100.3**	**468.50**

2. The monthly and annual quantities in cubic meters of Mine water pumped from the underground [as per Part B Item 7(ii)]

In September 2010, approximately 68 m^3 of mine water was pumped from the Boston portal decline to the containment pond (monitoring station BOS-2) as per Part D Item 7. This water will be held in the containment pond until spring of 2011 because it is currently frozen.

3. The monthly and annual quantities in cubic meters of treated Mine water and surface drainage discharged at Monitoring Station Number BOS-2 [as per Part B Item 7(iii)]

No discharges occurred from the monitoring station BOS-2 during 2010.

4. The monthly and annual quantities in cubic meters of treated Sewage effluent discharged at Monitoring Station Number BOS-3 [as per Part B Item 7(iv)]

Boston Camp was only open from June to December 2010. The results in Table 2 reflect the discharge volume data collected for this period by month. After a careful review of the discharge data, it was determined that there were errors in the meter readings, along with errors in the spreadsheet used to record the data. A calibration check of the meter revealed that it was out of calibration. As a result of the errors discovered, Table 2 shows the recorded values along with the estimated values that we feel better reflect the actual volumes discharged. The meter at the sewage treatment facility will be repaired or replaced March 31, 2011.

Table 2 – Monthly and annual quantities of treated sewage effluent discharged from BOS-3 in 2010, in cubic meters.

Month	Volume (m^3) (Recorded)	Volume (m^3) (Estimated)
June	0	0
July	70.68	182.39
August	157.68	90.01
September	90.38	42.68
October	47.00	24.65
November	35.40	19.40
December	33.33	17.01
Total annual volume recorded	**434.47**	**376.14**

Note: Disposable toilets were used in June and part of July. The grey water was retained in a holding tank

5. The monthly and annual quantities in cubic meters of Sludge removed from the Sewage Disposal Facility [as per Part B Item 7(v)]

No sludge was removed from the Sewage Disposal Facility during 2010.

6. The annual quantities in cubic meters of all soil and types of contaminants from all locations that are placed within the Land farm facility [as per Part B Item 7(vi)]

In 2010, no new material was deposited in the Land farm facility at Boston Camp. The area is being used as temporary storage for drums which will be moved to Doris Camp for proper categorization prior to their backhaul to an approved waste handling facility for disposal/treatment.

7. Tabular summary of all data generated under the Monitoring Program [as per Part B Item 7(vii) and Part J Item 24]

Tables setting out data generated under the Monitoring Program appear at Appendix A of this document.

8. A summary of modifications and/or major maintenance work carried out on the Water Supply and the Waste Disposal Facilities, including all associated structures, and an outline of any work anticipated for the next year [as per Part B Item 7(viii)]

HBML submitted a letter to the NWB on June 24, 2010 outlining the proposed modifications to the Boston camp sewage treatment facility (STP). Included with that request, was an Operation & Maintenance Plan with engineering drawings. The modifications were completed and the new STP released treated effluent on July 12, 2010. As-built drawings were submitted to the NWB on July 28, 2010. Approval of the Operation and Maintenance Plan was obtained in October 12, 2010. HBML submitted a revised Plan, in response to comments made in the October 12 letter, in October 2010. This plan was approved January 18, 2011.

9. A summary of drilling activities and progressive reclamation of drill sites [as per Part B Item 7(xii)]

Drilling activities at the Boston Deposit took place between July 13, 2010 and August 12, 2010. Drilling was located in the Boston Camp area. Drill hole information is tabulated in Table 4.

Table 3 – 2010 drilling summary

Hole ID	Northing	Easting	Length (m)	Lease	Program Phase
10BOD001	7502739.2	441010.1	407.7	Boston 1	Summer
10WBW004	7505664.6	441018.5	470	Boston 1	Summer

Diamond drilling activities were supported using tracked vehicles, such as the Caterpillar Challenger, bulldozers, Nodwell, pickup trucks with tundra tracks, and snowmobiles.

The Polydrill de-silting system was used to facilitate re-circulation of all drill fluids and minimize silt runoff from all ice-based drill holes. Cuttings from on ice drilling were stored in an approved area on site. All drill sites were inspected upon completion of drilling, as part of the standard operating procedures, to ensure that each drill site is properly cleaned up.

a) Progressive reclamation of drill sites

Reclamation of the two drill sites above were undertaken in 2010. Several drill sites from previous years' activities still require clean-up. This is expected to be accomplished in 2011 once the exploration program re-commences for the Boston area.

10. An updated estimate of the current Boston restoration liability based upon the results of the restoration research, project development monitoring, and any modifications to the site plan [as per Part B Item 7(xiii)]

No adjustments to reclamation liability were required as no modification of the Boston facilities were completed.

11. An estimate of both the current and anticipated volume of waste rock and ore stockpiled on site [as per Part B Item 7(xiv)]

It is estimated that there are approximately 47,400 m^3 of ore stockpiled on site at Boston Camp based on digital models of the ore removed historically from the underground workings at Boston. There is no estimate for the anticipated waste rock and ore to be stockpiled, because there is no mining activity occurring or currently planned for Boston.

12. A public consultation/participation with local organizations and residents of the nearby communities, if any were conducted [as per Part B Item 7(xv)]

Community consultations in the Kitikmeot region took place in accordance with the Community Relations Plan, which is a responsibility of the Environment and Social Responsibility section of Hope Bay Mining Ltd. (HMBL). The primary contact under this Plan continues to be Alex Buchan, Manager of Community and External Relations, based in Cambridge Bay, with support from his Director, Chris Hanks.

Community relations evolved in 2010 with a new focus on informing the public about the construction of the Doris North Project and introducing Phase 2 of staged development of the Hope Bay Belt.

Early in 2010, HBML moved from the Cambridge Bay airport warehouse and expediting facility to a central location in the community: #4 Omingmak Street. This move has significantly increased the amount of walk in traffic and encouraged greater public access to HBML staff.

HBML greatly increased its community and regional presence in 2010. In May, Ikey Evalik was hired out of Cambridge Bay as the IIBA Coordinator. He is the liaison with the Kitikmeot Inuit Association per Schedule B of the Doris North IIBA. With Mr. Evalik in place, the capacity of HBML to work directly with the KIA on socio-economic issues is greatly enhanced. In September of 2010, John Kaiyogana was hired the HBML HR Representative based out of Cambridge Bay. John is responsible for maximizing Inuit and local employment for HBML and can directly address any employment or training inquiry from the public. HBML now has a team of three experienced and well known individuals resident in the Kitikmeot working and interacting directly with our stakeholders and the public.

a. Cambridge Bay Logistics Hub

In 2010, HBML continued using the Hamlet of Cambridge Bay as the logistics hub for the handling of personnel movements to and from Site, other Kitikmeot communities, and points south. HBML took full advantage of commercial airline links between the rest of the Kitikmeot and Cambridge Bay to bring in workers for furtherance to Site via smaller charter aircraft. Cambridge Bay was also used as a transition point for southern workers in cases where large jet aircraft could not land on the ice strip constructed on Doris Lake in winter. In these cases, southern workers were brought to Cambridge Bay on a jet aircraft charter from Yellowknife and Edmonton and shuttled to Site in smaller turboprop aircraft suitable for landing on the Doris airstrip.

For much of 2010, HBML contracted Braden Burry Expediting to position an expeditor/agent in Cambridge Bay to organize these flights and changeovers. The Cambridge Bay airport on many occasions was filled with over a hundred HBML staff and contractors awaiting flights to and from our camps. This volume of traffic allowed the public in Cambridge Bay and people traveling through the region to readily interact with our traveling personnel.

In June, it became apparent that camp space in the Hope Bay Project area was insufficient to house the number of workers required for all 2010 activities. In response, HBML began to house workers at both the Arctic Island Lodge and Green Row Apartments in Cambridge Bay and fly them back and forth from Cambridge Bay and Hope Bay to work everyday. A maximum of 35 individuals “commuted” to work in this fashion in the summer of 2010. In September, the need to staff personnel in Cambridge Bay was greatly lessened with the arrival of floating accommodation stationed in Roberts Bay. Housing staff in Cambridge Bay also lead to several incidents of intoxication by staff from “dry” communities.

b. Email Distribution List

In 2010, HBML moved to monthly email notifications of company updates amongst Key Stakeholders. Feedback from this communications activity was low to non-existent possibly due to receiving information from other sources such as regular communications with the IIBA Coordinator and HR Representative. The persons included in these communications were:

- KIA Community Liaison Officers and other staff,

- Community Economic Development Officers,
- Hamlet Senior Administrative Officers
- Kitikmeot Economic Development Commission,
- Department of Education Field Operations,
- Department of Economic Development and Transportation,
- Indian and Northern Affairs Canada (Nunavut) staff,
- Kitikmeot Corporation, and
- Nunavut Arctic College.

c. Alcohol and Drugs

One alcohol related incident occurred in 2010 but no drug related incidents occurred during the same period. The alcohol related incident occurred while HBML was trans-shipping groceries from Cambridge Bay to Umingmaktok gratis for an Umingmaktok resident. HBML security discovered a quantity of alcohol contained in the shipment. Although the material did not enter Doris Camp, the shipper and recipient were contacted and told that such alcohol shipments would not be supported by HBML in the future.

There were also three separate known incidents of alcohol abuse by HBML staff and contractor staff over-nighting in Cambridge Bay. HBML remains in regular contact with the RCMP detachment in Cambridge Bay in order to maintain a working relationship that will assist in addressing these issues.

d. Community Relations Monthly Summary

January

- A Doris North IIBA Implementation Committee meeting was held in Vancouver on January 20th. HBML plans and activities were outlined to the KIA.
- The appointment of Jim Spenceley as President of HBML was communicated to all key northern stakeholders. An initial meeting between Jim Spenceley and Cambridge Bay regulators occurred later in the month.
- Efforts were made to implement pandemic preparedness in response to the H1N1 Flu outbreak and communicate pandemic procedures to all HBML staff and contractors.
- HBML Site Orientation presentation materials related to Cross Cultural Awareness and Inuit culture were reviewed for accuracy and relevancy in order to provide the best information to new hires going to Site.
- HBML was approached by the Nunavut Resources Corporation (NRC) and a response to this new development was formulated and communicated to them.
- HBML developed a scope of work with Rescan Environmental to estimate the economic impact of Phase I development at Hope Bay through the use of the Arctic Impact Model. This work later produced a key report that concluded that the Doris North project would contribute around 6% of the Nunavut GDP, which was widely communicated to our stakeholders.

- HBML worked internally to propose changes and updates to the Doris North Commercial Lease and IIBA in order to align these key agreements with the changes in scope of the Hope Bay Project.

February

- HBML worked with a Department of Economic Development and Transportation (ED&T) Regional Geologist to prepare a Ministerial Briefing Note on the Hope Bay Project for Minister Taptuna and his fellow Nunavut Cabinet members.
- HBML donated over 30 cases of surplus garbage bags and sundry cleaning supplies to the Hamlet of Cambridge Bay. These were used for waste disposal at the Community Arena and also retained for use for the summer Shoreline Cleanup.
- HBML sponsored and participated in the 2010 Kitikmeot Trade Show. Attending were Alex Buchan, Jerry Clyne (Supply Chain) and Brian Anderson, outgoing President for HBML. HBML manned a booth and was able to explain the operation to members of the public. Additionally, Jerry Clyne made a presentation to Kitikmeot-based business providing information to interested companies wishing to secure contracts from HBML. Brian Anderson and Alex Buchan participated in a regional economic visioning exercise called Open for Business facilitated by the Ivy School of Business. Included in the presentation was information on supplier forms and key contracts to be let in 2010.
- HBML created an internal HR Working Group in order to plan and move forward with various employment and training initiatives called for under the IIBA and NIRB Project Certificate. This group comprised of HBML and Newmont Nevada-based HR specialists. This work continued for the first half of 2010 and culminated in part in the development of an approved Training Plan for the Hope Bay Project.
- HBML this month developed a Socio-Economic Baseline research work plan in order to prepare to collect relevant data on impacted communities in preparation of a Phase II project description.
- HBML sponsored the Kitikmeot Regional Science Fair held in Gjoa Haven.
- Alex Buchan was involved in the initial recruiting drive to fill 2010 seasonal positions for HBML. This involved screening resumes, arranging for job interviews, providing direction to candidates for pre-employment screenings and handling Letters of Offer.

March

- Alex Buchan attended a Kitikmeot Socio-Economic Monitoring Committee (KSEMC) meeting sponsored by ED&T. The primary purpose of the meeting was to discuss a number of community-based indicators. Alex presented the Doris North socio-economic indicators and explained why they were selected.
- Alex Buchan presented to GEM Advisory Group of Northerners meeting providing Natural Resources Canada and other Government of Canada officials information about the Hope Bay Project and community participation in our activities.
- HBML moved office locations from the Warehouse Expediting building at the airport to #4 Omingmak Street. A lighted street sign was ordered to indicate HBML use of this location.
- HBML HR began consistently posting all Hope Bay related job offerings in impacted communities.

- HBML was in contact with the Government of Nunavut Petroleum Products Division to determine if there was any opportunity to access surplus diesel fuel in Cambridge Bay for Hope Bay project operations. After a series of consultations, it was determined that the community of Cambridge Bay could not spare any fuel.
- HBML attended a KIA Executive meeting in Cambridge Bay on the 17th to frame and schedule future IIBA and Commercial Lease negotiations.
- Alex Buchan created and distributed public notices via community bulletin boards and via local radio to warn the public about quarry blasting dangers near Roberts Bay and to provide advice on the wise use of the Cambridge Bay to Hope Bay winter ice road.
- Alex Buchan provided input into a stakeholder analysis prepared by HBML Government Relations consultant.
- HBML finalized a recruitment strategy that was provided to the IIBA Implementation Committee for approval.
- Alex Buchan provided clarification to KIA Lands Department Staff on the particulars of the loss of a maxi-bore drill piece being used for lake ice diamond drilling at Doris Lake.

April

- On April 1st, a teleconference was held between KIA and HBML staff in order to develop work teams and a work-plan to address IIBA and Commercial Lease action items.
- HBML finalized a Communications Strategy for the implementation of the draft Training Plan.
- Alex Buchan provided support to HBML Projects personnel in determining options for housing personnel in the Hamlet of Cambridge Bay including facilitating initial discussions and meetings between HBML personnel and Lodge and Inn Management.
- HBML sponsored and attended the 2010 Nunavut Mining Symposium in Iqaluit. Jim Spenceley, Chris Hanks, and Alex Buchan attended on HBML's behalf. HBML was awarded the Murray Pike Memorial Award by conference organizers in recognition of HBML efforts to promote community involvement in our activities.
- Alex Buchan prepared the warehouse for use by Braden Burry Expediting staff.
- HBML attended the KIA Board of Directors meeting in Gjoa Haven on the 20th. HBML provided a project update including a detailed description of Phase 1 plans.
- Alex Buchan responded to a request from the Ekaluktutiak HTO to use the warehouse building for muskox wool processing. Unfortunately, this request could not be accommodated due to operational requirements.
- Alex Buchan participated in some HM management functions involving Inuit staff to ensure that policies were being implemented in a culturally appropriate manner.
- Alex Buchan participated in the initial steps required to hire the planned 14 Environmental Field Assistants required to complete the 2010 Environmental Baseline studies and compliance monitoring activities.
- Alex Buchan assisted in the response to an Inuk hired contractor creating a wildlife attractant near Roberts Bay this month.
- Alex Buchan made preliminary arrangements to support the Government of the NWT Environment and Natural Resources June 2010 Ahiak caribou survey from Doris Camp, involving a number of traditional users of the herd.

- Alex Buchan sourced ulus from a local supplier to be used as HBML safety awards.
- HBML attended a meeting in Cambridge Bay, along with its training partners, to consider and provide input into a draft application made by the KIA to access Aboriginal Skills Enhancement Program (ASEP) funds in part to support training related to the Hope Bay Project. HBML and a number of its contractors provided written support for this funding submission.
- HBML participated in a Transport Canada survey in support of their Northern Transportation Systems Assessment (NTSA).
- Alex Buchan attended the Nunavut Planning Commission Technical Session on the Nunavut Land Use Plan in Cambridge Bay on behalf of both HBML and the Nunavut/NWT Chamber of Mines.

May

- Ikey Evalik was hired by HBML to be the IIBA Coordinator based out of Cambridge Bay. Ikey was oriented to his new position primarily by Alex Buchan.
- HBML sponsored and participated in the 2010 Omingmak Frolics held in Cambridge Bay this month. A community feast was sponsored and a number of personnel from Doris Camp attended the event along with Cambridge Bay staff.
- HBML participated in 1 negotiation session with the KIA to update the Doris North IIBA and Commercial Lease.
- Alex Buchan attended a Sustainable Infrastructure Workshop held in Cambridge Bay organized by the Department of Community and Government Services in order to obtain local input on Government of Nunavut capital planning processes.
- Alex Buchan attended a working session between the Kitikmeot Economic Development Commission (KEDC) and Human Resources Development Canada to discuss KEDC plans to access ASETS funding to support Inuit training and development in the region. Information on HBML hiring plans was shared with the workshop participants in order to provide context to some of the employment and training opportunities that are available in the region.
- HBML distributed copies of *Gold for Gold, A History of Newmont Mining Corporation*, to key Kitikmeot stakeholders. This book was recently written by Jack Morris, a former Vice President for Newmont.
- HBML undertook an internal review of emergency contact processes in response to a grizzly bear mauling of a Bay Chimo resident in May. Regional Emergency Measures personnel with both the RCMP and Government of Nunavut were provided current contact information for the Hope Bay project to ensure that HBML could be readily contacted to assist in responding to a medical emergency near our operation.
- HBML interviewed local candidates from the Hamlet of Cambridge Bay Life Management Program for a cost shared seasonal clerical position in the Cambridge Bay HBML office. Crystal Nakahok was hired and worked successfully for her 12 week work practicum.
- Alex Buchan arranged a site visit for a Department of Environment Conservation Officer.
- HBML partnered with KIA to attend an IIBA Implementation Committee meeting in Edmonton coupled with a one day workshop with Kitikmeot Corporation affiliated companies to discuss maximizing Inuit employment and training.

June

- A follow up negotiation session between HBML and KIA to update the Doris North IIBA and Commercial Lease was held in Yellowknife early in the month.
- HBML facilitated an Archeological Presentation at the Mary Hakongak Centre in partnership with the Kitikmeot Heritage Society. Gabriella Prager, HBML contract archeologist, provided information on Hope Bay archeological surveys and results, as well as heritage site mitigation processes.
- Alex Buchan presented a project update to the Hamlet Council for the Municipality of Cambridge Bay.
- A presentation on Inuit culture and the Doris North IIBA was made to all Hope Bay Project management to ensure that all supervisors were aware of HBML obligations to Inuit.
- HBML Cambridge Bay staff participated in the Cambridge Bay town cleanup held on June 14th.
- A teleconference was held between the Department of the Environment and HBML staff to gain input into the revision and updating of the Doris North Wildlife Mitigation and Monitoring Plan.
- A Cambridge Bay resident working at Hope Bay under a contractor had to be medically evacuated from Site. HBML communicated directly with the person's family to inform them of his status.
- Andy McMullen of Bearwise, a human bear specialist under contract to HBML, was brought to Cambridge Bay to offer a free Bear Safety course to the public. Six people took part in the training and received certificates from Bearwise.
- HBML responded to a request from ED&T to participate in a study conducted jointly with Natural Resources Canada on climate change adaptations related to transportation infrastructure.
- HBML convened a Communications meeting between Corporate, Regional and Site communications staff in order to develop plans and activities to inform our stakeholders about the Hope Bay Project.

July

- Another negotiation session between HBML and KIA to update the Doris North IIBA and Commercial Lease was held in Calgary.
- HBML expanded its lease at #4 Omingmak Street to encompass the entire building. With this additional room, Site Orientations for new hires were done from this space on an as required basis to alleviate the demand for camp space at Site. This additional time spent by new hires in Cambridge Bay was useful for them, and the public, to better understand our operation and the HBML operating environment.
- HBML hosted the KIA Board of Directors and Senior Management staff at the Elu Inlet Lodge for a Team Building meeting. The purpose of this gathering was to gain a personal connection between the parties and discuss Inuit employment and training as a priority action item. As part of this event, the KIA group toured the Doris North Site.
- HBML finalized a new version of a Hope Bay Fact sheet that provides for a one page synopsis of all Hope Bay project activities and plans.

- Both the KIA Lands Department and the KIA Inuit Environmental Advisory Committee traveled to Hope Bay to conduct site inspections and also to advise on the best locations for caribou crossings over the Doris to Windy all-weather road.
- HBML communicated with Environment Canada to seek advice on how to deal with a Common Redpoll bird nest found near an area where active blasting was taking place near Doris Camp.

August

- Early in the month, a meeting took place between Newmont Loss Prevention management staff and the RCMP detachment in Cambridge Bay. Items discussed included policing strategies for the Hope Bay site and the processing of criminal records checks for HBML pre-employment purposes.
- HBML hosted the Board of Directors and senior managers of various Kitikmeot Corporation (KC) affiliated companies for a Hope Bay Site Tour on the 18th. The group had an opportunity to observe some of the offloading of the 2010 sealift and portal site preparation work, as well as being presented with a project update. Prior to the tour, selected KC staff and directors were interviewed for a HBML video production to document the 2010 Sealift.
- HBML conducted a Phase 1b community consultation tour of the entire Kitikmeot region in August. The primary purpose of the tour was to inform the public about the progression of construction of the Doris North mine, and to brief them on future plans for advanced exploration in the Doris Central and Patch 14 areas.
- Alex Buchan facilitated three meetings between HBML Supply Chain Manager and local Cambridge Bay business representatives wishing to scope business opportunities with our company.
- HBML distributed web-links to Doris and Boston Camps' automatic weather stations to all regional stakeholders so that the public could have access to real-time weather information in the project area.
- A service contract was let with the KIA to provide for integration of Tuktu Nogak Traditional Knowledge project data into the Naonaiyoutit Traditional Knowledge Project database. Part of the integration work would subsequently consist of data verification workshops with Kitikmeot elders.
- Another negotiation session between HBML and KIA to update the Doris North IIBA and Commercial Lease was held in Edmonton.
- HBML released one helicopter in use at Hope Bay to the Department of the Environment (DOE) in order to investigate the death of a group of muskox on Victoria Island. The DOE team was able to proceed to the area where the dead muskox had been discovered and collect samples.

September

- John Kaiyogana was hired as HBML HR Representative stationed in Cambridge Bay. John was oriented to his duties by Alex Buchan and Debbi Ross, HR Director for Hope Bay.
- The NIRB Annual site inspection was conducted this month by Li Wan, NIRB Monitoring Officer for the Doris North project.
- HBML hosted a group of NTI and KIA legal consultants (Heenan Blaikie group) for a Hoppe Bay Site visit working on the development of an Inuit Royalty policy. The purpose of the site

- HBML made a presentation to the Kilinik High School in Cambridge Bay on geology and mineral exploration. Andrew Orr, Janet Kadlun, and John Kaiyogana from HBML participated in the presentation.
- HBML provided a quantity of 6" HDPE type insulated pipe to the community of Cambridge Bay to affect repairs on its potable water supply line.
- HBML was approached by the Netsilik School in Taloyoak wishing to organize a site tour for their Energy and Mines class. Discussions proceeded on when to best schedule this visit. Eventually, this potential visit was put off until early 2011.
- A marine dangerous goods shipment training course was organized for a number of seasonal Inuit workers in Yellowknife in September. This course was offered in consideration of HBML developing its own waste management capacity at Site.
- A number of HBML staff were trained in Vancouver in the use of Staketracker software to document community relations activities.
- HBML initiated discussions with the Government of Nunavut to enter into a Development Partnership Agreement with them in relation to Phase I of Hope Bay Development. Further in the process in 2010, a statement of intent was issued to ED&T to formally begin talks.
- HBML attended a follow up meeting requested by the KEDC to review progress made by this organization to access ASETS funding for the Kitikmeot region. The meeting was also attended by our other training partners such as Nunavut Arctic College and the Department of Education.
- The month ended with an IIBA Implementation Committee meeting held in Yellowknife between the KIA and HBML.

October

- Representatives of HBML attended the Northern Economic and Sovereignty Infrastructure Conference held in Iqaluit. This event was sponsored by HBML. Chris Hanks took the opportunity to discuss HBML capital investment in transportation infrastructure and how this could benefit the Kitikmeot region.
- A Mineral Development Advisory Group meeting was held in Cambridge Bay at the request of HBML. The purpose of the meeting was to allow regulators an opportunity to review HBML plans for Hope Bay Project expansion in order to receive feedback useful for drafting future regulatory submissions and applications. Seven HBML staff and consultants, and over 30 representatives of regulatory agencies, attended the meeting. Part of the meeting consisted of a Site Visit for all interested individuals.
- HBML began an initiative to update the Doris North Community Relations Management Program. The purpose of this initiative was to ensure that community relations activities conform to internal standards, and those of the Mining Association of Canada *Towards Sustainable Mining* guidelines.
- HBML initiated a Site Cultural Resources library with the purchase of around $5,000 worth of books and DVDs related to Inuit culture and history in order to promote a better understanding of these topics amongst employees. When the resources are received, the intention is to establish a cultural center at Doris Camp so that workers can sign out and use these resources.

- HBML also published the first ever quarterly newsletter for the Hope Bay project consisting of relevant stories and information about the project. The publication was sent to every Kitikmeot address, and was produced in English, Inuinnaqtun and Inuktitut.

November

- Early in November, two members of HBML attended the Canadian Aboriginal Minerals Association annual gathering in Winnipeg. The conference was an excellent opportunity to learn about issues related to aboriginal affairs and mining, as well as Corporate Social Responsibility and Aboriginal peoples.
- Chris Hanks, HBML ESR Director, was interviewed by Nunatsiaq News. Alex Buchan prepared briefing notes to Chris for the interview.
- Two HBML representatives attended the NWT Geoscience Forum held in Yellowknife this month. During the conference, a presentation was made to the Board of Directors for Kitikmeot Corporation. The presentation summarized contracting work and Inuit Employment during 2010 and some information on 2011 plans for development of Hope Bay.
- HBML hosted Community Open House events in each Kitikmeot Community. The purpose of these events was to solicit community interest in participation in the Hope Bay Training Plan including Ready To Work programs. During these events, HBML was able to collect resumes of persons wishing to work at Hope Bay. The Open House Events were well attended except for Cambridge Bay, possibly due to the presence of the Hope Bay office in this community.
- At the end of the month, HBML hosted a Human Resources Summit in Yellowknife. The purpose of the meeting was to build on the earlier meeting with Kitikmeot Corporation affiliates to discus and promote Inuit employment and training related to the Hope Bay Project. The HR Summit consisted of representatives of HBML and all major Hope Bay contractors. There were around 40 participants. The outcome of the meeting was the development of a common approach and understanding of the importance of hiring and training Inuit. Concurrent with this meeting, an IIBA Implementation Committee meeting was also held.
- Alex Buchan worked with Dave Smith (HBML Geology) to provide content for the 2010 Nunavut Exploration Overview for the Department of Indian and Northern Affairs.
- Alex Buchan provided advice and support to on site Environmental staff in responding to a number of human-wolverine interactions this month.

December

- Alex Buchan attended a Global Communications Team meeting held in Denver. The purpose of this meeting was to share information between Newmont sites worldwide on communications issues and also to undertake some communications training.
- Alex Buchan presented to the Kitikmeot Mayor's Conference in Cambridge Bay. Alex provided the Mayors with a summary of 2010 activities and information on Hope Bay short and long term plans.
- HBML donated two 52" flat screen televisions to the Cambridge Bay Daycare auction this month.

- HBML provided input into the draft Nunavut Caribou Strategy this month.
- Alex Buchan facilitated a media contact for HBML related to clarifying an uncontrolled release of energy at the Hope Bay incinerator site this month.

13. Summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year [as per Part B Item 7(xvi)]

No abandonment and restoration work was completed in 2010 at Boston.

14. Summary of any specific studies or reports requested by the Board, and a brief description of any future studies planned or proposed [see Part B Item 7(xvii)]

No specific studies or reports were requested by the Board in 2010 and no studies are planned or proposed for 2011.

15. Reporting of all artesian flow occurrences, including the location (GPS coordinates) and dates [as per Part F Item 3]

No artesian flow occurrences were encountered in 2010.

Appendix A

Annual Monitoring Report – 2BB-BOS0712

a) Tabular Summary of Monitoring Information

The following tables summarize the results of sampling undertaken in 2010 as part of the monitoring program detailed in Part J of licence 2BB-BOS0712.

Table 1 summarizes the results of sampling undertaken at monitoring station BOS-3 once the new sewage treatment facility was operational**.** Effluent at BOS-3 was compliant for discharge for all parameters. An error occurred in the October monthly compliance sampling and a visibility assessment for Oil and Grease was not provided by the laboratory; this was rectified in the subsequent monthly sampling and results for all parameters were compliant for discharge.

Table 1 – Summary of monitoring information gathered from BOS-3 in 2010, in mg/L

Months	Parameters	Sampling Date	BOS-3
July	Biochemical Oxygen Demand (BOD_5)	July 1/10	141
	Total Suspended Solids	July 1/10	88.0
	Fecal Coliform (CFU/100mL)	July 1/10	195 CFU/100mL
	Oil and Grease (Visibility)	July 1/10	NVS*
	Oil and Grease	July 1/10	40.9
	pH (pH unit)	July 1/10	6.29
August	Biochemical Oxygen Demand (BOD_5)	August 24/10	7.0
	Total Suspended Solids	August 24/10	8.0
	Fecal Coliform (CFU/100mL)	August 24/10	476 CFU/100mL
	Oil and Grease (Visibility)	August 24/10	NVS
	Oil and Grease	August 24/10	Not reported
	pH (pH unit)	August 24/10	6.53
September	Biochemical Oxygen Demand (BOD_5)	September 6/10	<2.0
	Total Suspended Solids	September 6/10	<3.0
	Fecal Coliform (CFU/100mL)	September 6/10	<1
	Oil and Grease (Visibility)	September 6/10	NVS
	Oil and Grease	September 6/10	<1.0
	pH (pH unit)	September 6/10	6.62
October	Biochemical Oxygen Demand (BOD_5)	October 4/10	4.6
	Total Suspended Solids	October 4/10	9.0
	Fecal Coliform (CFU/100mL)	October 4/10	6
	Oil and Grease (Visibility)	October 4/10	Not reported
	Oil and Grease	October 4/10	<1.0
	pH (pH unit)	October 4/10	6.54
November	Biochemical Oxygen Demand (BOD_5)	November 2/10	6.5
	Total Suspended Solids	November 2/10	8.0
	Fecal Coliform (CFU/100mL)	November 2/10	60
	Oil and Grease (Visibility)	November 2/10	Nvs
	Oil and Grease	November 2/10	<1.0
	pH (pH unit)	November 2/10	6.49
December	Biochemical Oxygen Demand (BOD_5)	December 3/10	4.0
	Total Suspended Solids	December 3/10	21.0
	Fecal Coliform (CFU/100mL)	December 3/10	2.5
	Oil and Grease (Visibility)	December 3/10	NVS
	Oil and Grease	December 3/10	1.4
	pH (pH unit)	December 3/10	6.70

** NVS = no visible sheen*

Monitoring station BOS-4, located at the point where treated sewage effluent enters Aimaoktatuk Lake, was sampled during August and September once the new sewage treatment facility was operational and non-frozen conditions permitted the collection of a sample. A summary of sampling results for BOS-4 is provided in Table 2.

Table 2 - Summary of monitoring information gathered from BOS-4 in 2010, in mg/L

Parameters	**BOS-4**
ALS Lab Reference #	L924744-2
Field Sample Details	BOS-4
Sample Date/Time	Aug 24/10@1530 hrs
pH	7.20
Oil & Grease	n/a
Oil & Grease (Visibility)	NVS
Fecal Coliforms	<1 CFU/100 ml
Total Suspended Solids	<3.0 mg/l
BOD	<2.0 mg/l
Parameters	**BOS-4**
ALS Lab Reference #	L929250-2
Field Sample Details	BOS-4
Sample Date/Time	Sept 06/10@1600 hrs
pH	7.21
Oil & Grease	<1.0
Oil & Grease (Visibility)	NVS
Fecal Coliforms	<1
Total Suspended Solids	<3.0
BOD	<2.0

In June, samples were collected from the bulk fuel storage facility monitoring station BOS-5. The effluent met the license criteria for discharge for all parameters with the exception of lead. Results of this sampling are provided in Table 3. During August 2010, discharge from BOS-5 was directed into the containment pond (BOS–2) pending treatment. This effluent was re-sampled, post-treatment, on August 24, 2010 for the parameters pertaining to BOS-2 to determine whether the effluent was in compliance prior to any discharge from the facility. The effluent was found to be compliant for all parameters but no discharges occurred from the facility in 2010. Results are provided in Table 4.

Table 3 – Results of 2010 Water Quality Sampling from Bulk Fuel Storage Facility BOS-5, in mg/L

Parameters	BOS-5	Remarks
ALS Lab Reference #	L896767-1	License # 2BB-BOS0712
Field Sample Details	BOS-5	Part D: Item 21
Sample Date/Time	June 10/10 8:45	Part J: Item 5
pH	7.93	Between 6 - 9.5 pH units
Oil & Grease	<1.0	15 mg/L
Oil & Grease (Visibility)	NVS*	No visible sheen (NVS)
Benzene	<0.00050	0.370 mg/L
Toluene	<0.00050	0.002 mg/L
Ethylbenzene	<0.00050	0.090 mg/L
Xylene	0.00070	-
F1 (C6-C10)	<0.10	-
F2 (>C10-C16)	<0.10	-
F3 (C16-C34)	0.25	-
F4 (C34-C50)	<0.25	-
Phenols (4AAP)	0.0112	-
Conductivity (EC)	527	-
Total Hardness (as $CaCO_3$)	222	-
Nitrate-Nitrite as N	1.05	-
Nitrate (as N)	1.05	-
Nitrite (as N)	<0.050	-
Calcium	54	-
Potassium	5.75	-
Magnesium	18.4	-
Sodium	6.7	-
Sulphate	166	-
Total Alkalinity (as $CaCO_3$)	64.0	-
Total Arsenic	0.273	-
Total Cadmium	0.000080	-
Total Chromium	<0.0050	-
Total Copper	0.0138	-
Total Nickel	0.178	-
Total Lead	**0.00924**	0.001 mg/L
Total Iron	0.247	-
Total Mercury	<0.00010	-

**NVS = no visible sheen*

Table 4 – Results of 2010 water quality sampling from containment pond monitoring station BOS-2, in mg/L

Parameters	BOS-2	Remarks	
ALS Lab Reference #	L924801-1	License # 2BB-BOS0712	License # 2BB-BOS0712
Field Sample Details	BOS-2	Part D: Item 8	Part D: Item 8
		Maximum Average Concentration (mg/l)	Maximum Concentration of any Grab Sample (mg/l)
Sample Date/Time	Aug 24/10 @ 1430 hrs	-	-
Total Arsenic	0.0039 mg/l	0.5	1.0
Total Copper	<0.0040 mg/l	0.3	0.6
Total Lead	<0.00040 mg/l	0.2	0.4
Total Nickel	<0.0020 mg/l	0.5	1.0
Total Zinc	0.019 mg/l	0.5	1.0
Total Suspended Solids	n/a	25.0	50.0
Oil and Grease	<1.0 mg/l	NVS*	NVS*
Oil and Grease (visible sheen)	NVS*	NVS*	NVS*
pH	n/a	6.0 – 9.5	6.0 – 9.5

**NVS = no visible sheen*

During September 2010, approximately 68 m^3 of mine water, per Part D Item 7, was pumped from underground to containment pond BOS-2 during the month. This water will be held in the containment pond until next spring, as it is currently frozen.

Sampling was not conducted at monitoring station BOS-6 during 2010 as there was negligible accumulated effluent for sampling.

In July 2010, flow was observed at monitoring station BOS-7 and water quality samples were collected. Results are provided in Table 5.

Table 5 - Results of 2010 water quality sampling from Boston "Landfill Leachate" monitoring station BOS-7, in mg/L

Note: There is no landfill present at the Boston facility. This water sample, called "landfill leachate" and taken at monitoring station BOS-7, was taken to ensure that general site run-off water quality was meeting license requirements.

Parameters	BOS-7
ALS Lab Reference #	L904255-3
Field Sample Details	BOS-7
Sample Date/Time	July 01/10 @ 1500 hrs
pH	7.13
Oil & Grease	<1.0
Oil & Grease (Visibility)	NVS*
Benzene	<0.00050
Toluene	<0.00050
Ethylbenzene	<0.00050
Xylene	<0.001
F1 (C6-C10)	<0.10
F2 (>C10-C16)	<0.25
F3 (C16-C34)	<0.25
F4 (C34-C50)	<0.25
Phenols (4AAP)	0.0025
Conductivity (EC)	2100
Total Hardness (as $CaCO_3$)	812
Nitrate-Nitrite as N	12.9
Nitrate (as N)	12.9
Nitrite (as N)	<0.050
Calcium	250
Potassium	17.4
Magnesium	45.5
Sodium	63.8
Sulphate	325
Total Alkalinity (as $CaCO_3$)	46.2
Total Arsenic	n/a
Total Cadmium	n/a
Total Chromium	n/a
Total Copper	n/a
Total Nickel	n/a
Total Lead	n/a
Total Iron	n/a
Total Mercury	n/a

**NVS = no visible sheen*

During July 2010, opportunistic sampling was undertaken at two locations where seepage was detected at monitoring station BOS-8 (as three distinct seepage points can be identified during periods of runoff, this monitoring point has been sub-categorized into individual monitoring stations BOS-8A, BOS-8B, and BOS-8C; the geographical references for each of the sampling locations are maintained on file). Table 6 provides the results of this sampling. Note: there was insufficient flow at BOS-8C to allow for the collection of a water sample.

Table 6 – Results of opportunistic sampling at the Boston waste rock and ore storage pad monitoring station BOS-8, where flow was observed in 2010

Parameters	BOS-8A	BOS-8B
ALS Lab Reference #	L904337-2	L904337-2
Field Sample Details	BOS-8A	BOS-8B
Sample Date/Time	July 01/10 @ 1500 hrs	July 01/10 @ 1500 hrs
pH	7.85	7.48
Sulfate	232	343
Total Ammonia	<0.050	<0.050
Conductivity (EC)	1210	1520
Total Suspended Solids	n/a	n/a
Aluminum	0.080	0.051
Antimony	0.00496	0.0045
Barium	0.0341	0.0442
Beryllium	<0.0010	<0.0040
Cadmium	<0.000050	<0.00020
Chromium	<0.0050	<0.0050
Cobalt	0.0223	0.0044
Copper	0.0083	<0.0040
Iron	1.82	0.088
Lead	0.00038	<0.00040
Lithium	0.011	<0.024
Molybdenum	<0.0050	<0.0050
Manganese	0.219	0.0359
Nickel	0.0843	0.0287
Selenium	<0.0020	<0.0080
Tin	<0.050	<0.050
Thallium	<0.00010	<0.00040
Titanium	0.0029	<0.0024
Uranium	0.00018	<0.00040
Vanadium	0.0017	<0.0020
Zinc	0.0049	<0.016
Arsenic	0.235	0.0128
Silver	<0.00010	<0.00040

b) Quantities of water utilized for camp, drilling and other purposes

Table 7 summarizes the daily quantities of water (both recorded and estimated – see #1 for details) utilized for camp, drilling and other purposes from all sources. Boston Camp was open from June 11 to December 31, 2010 (water use started June 15, 2010). Table 7 shows the domestic and drill water usage.

Table 7 – 2010 daily water consumption for domestic and drill water use, in cubic meters

Date	Domestic Use Daily Total (Recorded)	Domestic Use Daily Total (Estimated)	Drill Use Daily Total	Monthly Totals (Recorded)	Monthly Totals (Estimated)
June 15, 2010	Camp Opened		No Drilling		
June 16, 2010	0.05	0.01	No Drilling		
June 17, 2010	1.57	0.47	No Drilling		
June 18, 2010	1.53	0.47	No Drilling		
June 19, 2010	1.53	0.47	No Drilling		
June 20, 2010	0.37	0.11	No Drilling		
June 21, 2010	2.9	0.87	No Drilling		
June 22, 2010	4.75	1.42	No Drilling		
June 23, 2010	4.75	1.42	No Drilling		
June 24, 2010	2.35	0.70	No Drilling		
June 25, 2010	2.34	0.70	No Drilling		
June 26, 2010	2.34	0.70	No Drilling		
June 27, 2010	2.34	0.70	No Drilling		
June 28, 2010	2.34	0.70	No Drilling		
June 29, 2010	1.54	0.47	No Drilling		
June 30, 2010	2.16	0.65	No Drilling	**32.88**	**9.86**
July 1, 2010	2.56	0.77	No Drilling		
July 2, 2010	88.38	26.45	No Drilling		
July 3 , 2010	11.97	3.58	No Drilling		
July 4, 2010	4.49	1.34	No Drilling		
July 5, 2010	3.04	0.91	No Drilling		
July 6, 2010	3.04	0.91	No Drilling		
July 7, 2010	4.72	1.41	No Drilling		
July 8, 2010	4.78	1.43	No Drilling		
July 9, 2010	57.28	17.15	No Drilling		
July 10, 2010	3.36	1.00	No Drilling		
July 11, 2010	2.50	0.75	No Drilling		
July 12, 2010	5.39	1.61	No Drilling		
July 13, 2010	6.66	1.99	7.7		9.69
July 14 , 2010	4.30	1.29	4.4		5.69
July 15, 2010	4.68	1.40	2.5		3.90
July 16, 2010	5.05	1.51	2.1		3.61
July 17, 2010	5.22	1.56	3.3		4.86
July 18, 2010	7.93	2.37	0.3		2.67
July 19, 2010	6.14	1.84	0.3		4.81

Date	Domestic Use Daily Total (Recorded)	Domestic Use Daily Total (Estimated)	Drill Use Daily Total	Monthly Totals (Recorded)	Monthly Totals (Estimated)
July 20, 2010	6.98	2.09	1.4		3.49
July 21, 2010	5.36	1.60	2.5		4.10
July 22, 2010	10.75	3.22	2.5		5.72
July 23, 2010	8.28	2.48	1.6		4.08
July 24, 2010	7.52	2.25	3.0		5.25
July 25, 2010	10.02	3.00	3.1		6.10
July 26, 2010	8.59	2.57	1.5		4.07
July 27, 2010	10.34	3.10	1.7		4.80
July 28, 2010	8.47	2.53	1.4		3.93
July 29 , 2010	9.33	2.79	1.8		4.59
July 30, 2010	0	0.00	0.0		0.00
July 31, 2010	20.49	6.13	0.0	**378.72**	**182.39**
August 1, 2010	11.36	3.40	0.0		3.40
August 2, 2010	10.72	3.21	0.0		3.21
August 3, 2010	9.65	2.89	0.0		2.89
August 4, 2010	11.86	3.55	0.0		3.55
August 5, 2010	8.88	2.66	6.8		9.46
August 6, 2010	13.14	3.93	4.1		8.03
August 7, 2010	8.38	2.51	10.3		12.81
August 8, 2010	10.49	3.14	3.9		7.04
August 9, 2010	11.52	3.45	3.2		6.65
August 10, 2010	11.76	3.52	4.3		7.82
August 11, 2010	12.13	3.63	4.6		8.23
August 12, 2010	11.25	3.37	4.2		7.57
August 13, 2010	13.49	4.04	No Drilling		
August 14, 2010	9.08	2.72	No Drilling		
August 15, 2010	8.94	2.68	No Drilling		
August 16, 2010	7.96	2.38	No Drilling		
August 17, 2010	11.91	3.56	No Drilling		
August 18, 2010	9.71	2.91	No Drilling		
August 19, 2010	7.90	2.36	No Drilling		
August 20, 2010	9.46	2.83	No Drilling		
August 21, 2010	10.25	3.07	No Drilling		
August 22, 2010	9.65	2.89	No Drilling		
August 23, 2010	8.54	2.56	No Drilling		
August 24, 2010	8.95	2.68	No Drilling		
August 25, 2010	11.21	3.35	No Drilling		
August 26, 2010	7.90	2.36	No Drilling		
August 27, 2010	8.18	2.45	No Drilling		
August 28, 2010	8.18	2.45	No Drilling		
August 29, 2010	6.13	1.83	No Drilling		
August 30, 2010	6.69	2.00	No Drilling		
August 31, 2010	5.46	1.63	No Drilling	**342.13**	**131.41**
September 1, 2010	4.20	1.26	No Drilling		
September 2, 2010	5.54	1.66	No Drilling		

Date	Domestic Use Daily Total (Recorded)	Domestic Use Daily Total (Estimated)	Drill Use Daily Total	Monthly Totals (Recorded)	Monthly Totals (Estimated)
September 3, 2010	5.30	1.59	No Drilling		
September 4, 2010	4.39	1.31	No Drilling		
September 5, 2010	5.11	1.53	No Drilling		
September 6, 2010	5.75	1.72	No Drilling		
September 7, 2010	5.29	1.58	No Drilling		
September 8, 2010	5.39	1.61	No Drilling		
September 9, 2010	4.29	1.28	No Drilling		
September 10, 2010	6.62	1.98	No Drilling		
September 11, 2010	5.34	1.60	No Drilling		
September 12, 2010	4.54	1.36	No Drilling		
September 13, 2010	4.37	1.31	No Drilling		
September 14, 2010	7.26	2.17	No Drilling		
September 15, 2010	7.19	2.15	No Drilling		
September 16, 2010	4.57	1.37	No Drilling		
September 17, 2010	4.40	1.32	No Drilling		
September 18, 2010	3.27	0.98	No Drilling		
September 19, 2010	3.61	1.08	No Drilling		
September 20, 2010	4.06	1.22	No Drilling		
September 21, 2010	2.32	0.69	No Drilling		
September 22, 2010	4.80	1.44	No Drilling		
September 23, 2010	3.74	1.12	No Drilling		
September 24, 2010	4.23	1.27	No Drilling		
September 25, 2010	4.21	1.26	No Drilling		
September 26, 2010	3.64	1.09	No Drilling		
September 27, 2010	5.21	1.56	No Drilling		
September 28, 2010	4.99	1.49	No Drilling		
September 29, 2010	4.48	1.34	No Drilling		
September 30, 2010	4.49	1.34	No Drilling	**142.60**	**42.68**
October 1, 2010	3.95	1.18	No Drilling		
October 2, 2010	4.64	1.39	No Drilling		
October 3, 2010	5.31	1.59	No Drilling		
October 4, 2010	5.55	1.66	No Drilling		
October 5, 2010	5.33	1.59	No Drilling		
October 6, 2010	6.70	2.00	No Drilling		
October 7, 2010	3.33	1.00	No Drilling		
October 8, 2010	3.93	1.18	No Drilling		
October 9, 2010	4.49	1.34	No Drilling		
October 10, 2010	3.58	1.07	No Drilling		
October 11, 2010	4.80	1.44	No Drilling		
October 12, 2010	3.90	1.17	No Drilling		
October 13, 2010	3.84	1.15	No Drilling		
October 14, 2010	2.07	0.62	No Drilling		
October 15, 2010	0.26	0.08	No Drilling		
October 16, 2010	0.17	0.05	No Drilling		
October 17, 2010	5.45	1.63	No Drilling		

Date	Domestic Use Daily Total (Recorded)	Domestic Use Daily Total (Estimated)	Drill Use Daily Total	Monthly Totals (Recorded)	Monthly Totals (Estimated)
October 18, 2010	0.70	0.21	No Drilling		
October 19, 2010	0.52	0.16	No Drilling		
October 20, 2010	0.45	0.14	No Drilling		
October 21, 2010	0.66	0.20	No Drilling		
October 22, 2010	0.38	0.08	No Drilling		
October 23, 2010	0.26	0.08	No Drilling		
October 24, 2010	0.60	0.18	No Drilling		
October 25, 2010	0.56	0.17	No Drilling		
October 26, 2010	0.91	0.28	No Drilling		
October 27, 2010	2.23	0.67	No Drilling		
October 28, 2010	2.20	0.66	No Drilling		
October 29, 2010	3.37	1.00	No Drilling		
October 30, 2010	1.33	0.40	No Drilling		
October 31, 2010	0.95	0.28	No Drilling	**82.32**	**24.65**
November 1, 2010	0	0.00	No Drilling		
November 2, 2010	2.6	0.78	No Drilling		
November 3, 2010	1.55	0.46	No Drilling		
November 4, 2010	2.66	0.80	No Drilling		
November 5, 2010	0	0.00	No Drilling		
November 6, 2010	4.41	1.32	No Drilling		
November 7, 2010	2.73	0.82	No Drilling		
November 8, 2010	0	0.00	No Drilling		
November 9, 2010	5.60	1.68	No Drilling		
November 10, 2010	3.62	1.09	No Drilling		
November 11, 2010	1.32	0.40	No Drilling		
November 12, 2010	1.73	0.52	No Drilling		
November 13, 2010	2.78	0.83	No Drilling		
November 14, 2010	3.18	0.95	No Drilling		
November 15, 2010	1.50	0.45	No Drilling		
November 16, 2010	3.57	1.07	No Drilling		
November 17, 2010	1.70	0.51	No Drilling		
November 18, 2010	1.50	0.45	No Drilling		
November 19, 2010	2.62	0.78	No Drilling		
November 20, 2010	1.38	0.41	No Drilling		
November 21, 2010	1.70	0.51	No Drilling		
November 22, 2010	2.02	0.61	No Drilling		
November 23, 2010	1.85	0.55	No Drilling		
November 24, 2010	3.13	0.94	No Drilling		
November 25, 2010	1.60	0.48	No Drilling		
November 26, 2010	2.88	0.86	No Drilling		
November 27, 2010	1.69	0.51	No Drilling		
November 28, 2010	1.96	0.59	No Drilling		
November 29, 2010	1.44	0.43	No Drilling		
November 30, 2010	2.06	0.62	No Drilling	**64.78**	**19.40**
December 1, 2010	1.77	0.53	No Drilling		

Date	Domestic Use Daily Total (Recorded)	Domestic Use Daily Total (Estimated)	Drill Use Daily Total	Monthly Totals (Recorded)	Monthly Totals (Estimated)
December 2, 2010	2.6	0.78	No Drilling		
December 3, 2010	1.54	0.46	No Drilling		
December 4, 2010	1.76	0.53	No Drilling		
December 5, 2010	1.57	0.47	No Drilling		
December 6, 2010	1.48	0.44	No Drilling		
December 7, 2010	1.81	0.54	No Drilling		
December 8, 2010	1.88	0.56	No Drilling		
December 9, 2010	1.68	0.50	No Drilling		
December 10, 2010	2.25	0.67	No Drilling		
December 11, 2010	2.71	0.81	No Drilling		
December 12, 2010	1.87	0.56	No Drilling		
December 13, 2010	2.65	0.79	No Drilling		
December 14, 2010	1.56	0.47	No Drilling		
December 15, 2010	1.90	0.57	No Drilling		
December 16, 2010	1.98	0.59	No Drilling		
December 17, 2010	1.76	0.53	No Drilling		
December 18, 2010	1.86	0.56	No Drilling		
December 19, 2010	1.65	0.49	No Drilling		
December 20, 2010	1.59	0.48	No Drilling		
December 21, 2010	2.30	0.69	No Drilling		
December 22, 2010	1.67	0.50	No Drilling		
December 23, 2010	1.32	0.40	No Drilling		
December 24, 2010	1.68	0.50	No Drilling		
December 25, 2010	1.16	0.35	No Drilling		
December 26, 2010	1.13	0.34	No Drilling		
December 27, 2010	1.05	0.31	No Drilling		
December 28, 2010	2.72	0.81	No Drilling		
December 29, 2010	2.72	0.81	No Drilling		
December 30, 2010	1.51	0.45	No Drilling		
December 31, 2010	1.73	0.52	No Drilling	**56.87**	**17.01**

c) Results of Toxicity Testing

HBML carried out the following toxicity testing in August 2010 to demonstrate Non-Acute Toxicity of the treated sewage effluent at the point prior to entry into Aimaoktatuk Lake at monitoring station BOS-4, conducted in accordance with the following test procedures:

i. Acute lethality to Rainbow Trout, Oncorhynchus mykiss (as per Environment Canada's Environmental Protection Series Biological Test Method EPS/1/RM/13); and
ii. Acute lethality to the crustacean, Daphnia magna(as per Environment Canada's Environmental Protection Series Biological Test Method EPS/1/RM/14).

Effluent analysis on both Rainbow Trout and Daphnia magna was found to be non-acutely toxic and no toxicity was observed. Results are provided in Table 8.

Table 8 – 2010 annual toxicity testing on treated sewage effluent from BOS-4

Parameters	BOS-4	Remarks
ALS Lab Reference #	L924744-3	License # 2BB-BOS0712
Field Sample Details	BOS-4	-
Sample Date/Time	Aug 24/10@1530 hrs	-
Daphnia Magna – LC50	No Toxicity Observed	Non Acutely Toxic
Parameters	**BOS-4**	**Remarks**
ALS Lab Reference #	L924744-2	License # 2BB-BOS0712
Field Sample Details	BOS-4	-
Sample Date/Time	Aug 24/10@1600 hrs	-
Rainbow Trout – LC50	No Toxicity Observed	Non Acutely Toxic