NWB Annual Report **Year being reported:** 2009

License No: 2AM-DOH0713 **Issued Date:** September 19, 2007
Expiry Date: September 30, 2013

Project Name: Doris North 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):

In 2008 this licence was transferred from the previous owner Miramar Hope Bay Mining Ltd. to Hope Bay Mining Ltd.

General Background Information on the Project (*optional):

Doris North facilities are currently being used to support advanced exploration in the Hope Bay Greenstone Belt. The Doris North underground mine, mill and tailings facilities have not been constructed at this time.

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

Part B Item 3

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. [See Schedule B]

Water Source(s): Doris Lake

Water Quantity: 480,000 cu.m/yr Quantity Allowable Domestic (cu.m)

5,538.23 cu.m/yr Actual Quantity Used Domestic (cu.m)

Waste Management and/or Disposal

- [x] Solid Waste Disposal
- [x] Sewage
- [x] Drill Waste
- [x] Greywater
- [x] Hazardous
- [x] Other: Fuel Farm Berm Effluent

Additional Details:

Water for domestic use at Doris Camp is obtained from Doris Lake via a 2 inch diameter submerged pipe with a DFO compliant fish screen. This intake is located approximately 30 metres from shore and linked to a pumphouse on the shore of Doris Lake .

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

-Food waste is burned in the incinerator as per Part G Item 5.
-Paper products, paperboard packing, and untreated wood waste is open burned as per Part G Item 8.
-HBML is authorized to dispose of all non-hazardous solid waste in a landfill on site as per Part G Item 10. At the request of the land owner, Kitikmeot Inuit Association, HBML has not constructed a landfill. Solid waste that cannot be burned is taken offsite for disposal at an approved site. In 2009, a total of 1,700,000 lbs was removed from the site.
-Sewage and greywater produced onsite is processed in the sewage treatment plant as per Part G Item 3. Sludge produced by the treatment plant is burned in the incinerator.
-Hazardous materials such as waste oil, glycol, and contaminated soil are being shipped offsite for disposal at an approved site as per Part G Item 12.
-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.

B. A list of unauthorized discharges and a summary of follow-up actions taken. [See Schedule B Item 9]

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: January 25, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Ripped megabag (pinched between planks) of drill cuttings tore open during removal from drill site on Doris Lake spilling approx 20L of cuttings onto the ice. The cuttings were cleaned up and removed to the cuttings disposal area.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: January 31, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Drill contractor's dozer leaked engine oil on the ice during night shift - approx 10L. Contaminated ice was scraped up and removed for disposal. Residue was burned off ice with propane torch.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: January 31, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

A Tidy Tank fuel tank hose leaked diesel in back of a contractor truck and dripped on the ground in front of the Doris Camp complex. An estimated 20L was spilled, most in the bed of the truck. Fuel was soaked up with sorbent pads. All trucks with fuel tanks now have spill containment trays installed.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: January 31, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Near Miss - Main dispensing valve at Rob Bay fueling station was not locked off. Potential for fuel leak through siphoning if dispensing nozzle damaged. Modifications to fuel dispensing system made to include anti-siphoning apparatus.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: February 4, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

RC Drill at "strip mall" laydown leaking suspected pink antifreeze onto snow. <1L. Snow cleaned up and removed for disposal.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: February 5, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Near Miss - Vehical operator lost sight of road pickets during poor weather and dropped a wheel off the road near the upper laydown area. (Vehicle operation was safe and in accordance with weather conditions) No environmental impact.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: February 7, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Several small leaks of antifreeze reported in front of gen tent on Doris Camp pad where vehical parking occurs. Truck # 5 identified as requiring repairs and was removed for servicing. Snow was scraped up and removed for disposal.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: February 14, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Challenger dozer 0346 had a blown hydraulic line spilling approx. 1 L (.25 m^2 in impacted area) at Doris Lake north end entrance coming off Ice road. Area cleaned with sorbents and all contaminated material taken to contractor waste management area for disposal

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: February 22, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Thick grease of unknown origin detected in Doris Camp water supply tank. An investigation was undertaken that identified the source as the water truck pump grease, and not Doris Lake spill contamination. Too much grease had been applied to the pump which then transferred into the water system during tank filling.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: March 9, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Drips of P50 were reported coming from the fuel module at the pump house at Roberts Bay fuel facility. The leak was inside the pumphouse module; no release to environment. Replacement parts were ordered to recitify the faulty fittings.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: March 25, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

A hose snapped on a Tidy Tank in the back of the flatbed. The tank was not being used but had not been removed from the truck. Estimated less than 1L of fuel spilled on to the truck deck. No fuel spilled on to the ground. Residue was cleaned up with sorbent pads. Tank was removed from the truck.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: March 30, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Two small leaks of hydraulic fluid occurred during testing/start-up of the RC drill under controlled circumstances at Rob Bay. Contaminated snow and sorbent materials were colleted for disposal.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: April 2, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

The main heavy flow fueling hose at the Rob Bay module was dripping diesel on to the ground at the fuel pump after the truck had been fueled. Enough residue had remained in the hose to cause a fine dribble. A drip catchment has been provided for the nozzle.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: April 10, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

During fueling at Rob Bay, the auto-lock mechanism on the fueling nozzle (light truck) was in the "on" position when the pump was activated. Approx 1.5 L spilled on the ground at the fuel pump. The auto-lock has been removed from the nozzle and fueling practices reviewed at Toolbox Talks.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: May 27, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

An operator moving snow to expose barrels at Rob Bay Old Laydown, clipped the bottom of a barrel that happened to contain waste oil. This caused an oil spill of approximately 5-20 liters. The contaminated sand was scooped up and placed in barrels for removal during summer sea-lift waste backhaul.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: May 30, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

A tank was brought over from Boston and laid in the Roberts Bay lay down for waste backhaul shipment on the barge. This tank leaked a litre or two of oil on the ground. Absorbant (corn cob) was placed on dripped oil. The tank was removed from the area and placed in the 5 million L Tank Farm on a drip tray until residual contents removed to a secure container.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: June 11, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Two temporary berms at Rob Bay laydown containing waste oils were discovered damaged likely during winter snow removal. Melted snow effluent with visible sheen was noted to have leaked out through tears in the walls of the berm. Sorbent pads were used to soak up remaining sheen and the remaining fluid pumped out for treatment.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: June 14, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Small (<2L) spill of synthetic Skiddo oil from damaged container discovered on tundra just off Doris Ice road near camp. Oil was soaked up with sorbent pads.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: June 26, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

While moving an out of service fly tank that was supposedly drained and empty, an external dispensing hose dripped out an estimated 2 litres of fuel on the Rob Bay laydown/barge staging area. Corncob was placed on the crushed rock to absorb the fuel.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: July 2, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

The Doris STP Plant overflowed causing a small amount (200 litres) of partially treated sewage to overflow onto the crushed rock pad. The overflow was stopped and corn cob place on the affected area to absorb the spill. The float on the anoxic tank was replaced.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: September 9, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Doris STP non-compliant for oil and grease visible sheen for unkown reason. The aeration in the plant was increased. Subsequent results were compliant.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: September 17, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

A drum containing waste Jet B fuel was punctured by the zoom boom lift in the berm at the 5M L Tank at Rob Bay. Approx 19 g. estimated to have leaked out into the gravel. Sorbent pads and corncob was placed on the area, then the corncob and gravel was shovelled into a sealed drum for disposal.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: September 25, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

Newmont Fuel truck had a small leak of diesel (<1L) inside the berm at the Robert's Bay Fuel Module from the fueling valve. A bucket was placed under the leak until the pump was shut off. The truck was removed from service and a new fitting was obtained and installed.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: October 10, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

A radiator hose leak on the mechanic service truck caused approx 1 liter of antifreeze to spill on ground between generator building and STP at Doris. The hose clamp was tightened and routine checks of all connections to be performed during regular maintenance.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: October 16, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

A small amount of black water (est. 10L) from the camp sewage lift station leaked out of the pumper truck hose onto the road behind the camp (NW corner) as the truck was rounding the corner . The hose was not completely empty although the operator had backed the pump to clear it, so a residue was present. The operator engaged a machine to attempt to scrape up the spill, but little of the spill was successfully recovered.

Spill No.: N/A (as reported to the Spill Hot-line)
Date of Spill: October 16, 2009
Date of Notification to an Inspector: N/A
Additional Details: (impacts to water, mitigation measures, short/long term monitoring, etc)

While the old Rob Bay incinerator was being moved, a fuel filter was knocked over on the incinerator which leaked <1L of fuel . Very little of this reached the ground around the area. Sorbent pads were used to soak up the fuel visible on the incinerator.

C. Revisions to the Spill Contingency Plan [See Part I, Item 4 and Schedule B Item 8]

SCP submitted and approved - no revision required or proposed

Additional Details:

A revised Spill Contingency Plan, with corrections made based on NWB correspondence of March 4, 2008, and Jan. 6, 2010, is included with this annual report submission as suggested in the Feb. 19, 2010 letter.

Below are the key corrections made, based on the Jan. 6, 2010 letter, and their location in the revised plan:
1. MSDS sheets are kept up-to-date on site.
2. See Fig. 14.
3. See Fig. 14.
4. See Fig. 14 and 15.
5. See Fig. 15.
6. See footnote on p. 52.
7. See Appendix C.

Below are the key corrections made, based on the March 4, 2008 plan, that were not superseded by the Jan. 6, 2010 letter:

-See p. 19 for geographic coordinates of Boston Camp.
-See p. 49 for reference to GN-DOE's comment about the movement of hazardous waste.
-See p. 10 for reference to skimmer on site.
-See p. 21 for information about toxic chemicals.
-Spill kits are located at each STP on site.

D. Revisions to the Abandonment and Restoration Plan [See Part L, Item 5]

AR plan submitted and approved - no revision required or proposed

Additional Details:

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

E. Progressive Reclamation Work Undertaken [See Schedule B, Item 15]

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

Recovery of rock and gravel inadvertently laid on the tundra during the building of the winter ice road between Doris Camp and Doris Lake was conducted in spring when it was noted during melt. The recovery was successful and averted potential runoff and erosion into Doris Lake.

F. Results of the Monitoring Program including: [See Part J, Item 5 and Schedule B, Item 17]

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 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:

In consultation with the Inspector during 2009, the monitoring station ST-9 was established to be on the tundra located east of Glenn Lake.

Results of any additional sampling and/or analysis that was requested by an Inspector

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 [See Schedule B Item 19]

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 [See Schedule B Item 18]

No inspection and/or compliance report issued by INAC

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

See Item 18 of attached supplement.

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

Please see attached supplement for additional information requirements set out in Licence No. 2AM-DOH0713.

Date Submitted:	March 31, 2010	
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
ST-7 Doris Freshwater Intake	68	8	17.04	106	36	52.68

GPS Locations of areas of waste disposal

Location Description (type)	Latitude			Longitude		
	° Deg	' Min	" Sec	° Deg	' Min	" Sec
ST-5 Plant Fuel Site Discharge and Containment Sump	68	8	14.6	106	36	44.9
ST-6 Robert's Bay Fuel Storage Discharge and Containment Sump	68	10	35.6	106	36	59.8
ST-8 STP Discharge	68	8	14.52	106	36	50.46
ST-9 STP Tundra Discharge	68	8	20.22	106	39	55.86

2009 2AM-DOH0713 Type A Water License Annual Report Supplemental Document

Doris North Project

Nunavut Water Board

Prepared by
Hope Bay Mining Ltd.
North Vancouver, BC

Prepared for
Nunavut Water Board
Gjoa Haven, NU

March 2010

Executive Summary
2AM-DOH0713 Annual Report

Hope Bay Mining Ltd. ("HBML") has filed its Annual Report on its activities during 2009 under Water Licence No. 2AM-DOH0713 issued by the Nunavut Water Board on September 19, 2007. Note in 2008 this licence was transferred from the previous owner, Miramar Hope Bay Mining Ltd., to HBML. As set out in Schedule B, Item 1 of the Licence, the report includes information with respect to the following topics:

- summary of monthly monitoring data
- summary of the Construction Monitoring Report
- information with respect to geochemical monitoring and waste rock storage assessment
- summary of the results of monthly water balance and water quality model assessments
- update on current capacity of the Tailings Impoundment Area
- a comparison of flows at monitoring stations
- consideration of Management Plans and Emergency Response and Contingency Plan
- a list and description of all unauthorized discharges including volumes, spill report line identification number and summaries of follow-up actions taken
- results of continuing baseline data collection
- consideration of adequacy of reclamation security
- a summary of modification and or major maintenance work carried out n the water supply and waste disposal facilities, including all associated structures and an outline of any work anticipated for the next year
- a summary of any closure and reclamation work undertaken and an outline of any work anticipated for next year
- GPS locations of areas of waste disposal
- a summary reporting consultation with public and participation with local organizations and residents of nearby communities
- a summary of actions taken to address concerns or deficiencies listed in the inspection reports filed by an Inspector

Doris North facilities are currently being used to support advanced exploration in the Hope Bay Greenstone Belt. The Doris North underground mine, mill and tailings facilities have not been constructed at this time. For this reason, much of the information requested under the licence is not available at this time. Where such data is available, HBML has included a summary of this information in the Annual Report.

Aolapkaeyin Naetomik Okaohen
2AM-DOH0713 Ukeogoagaagan Unipkaak

Hope Bay Mining Ltd.-kon ("HBML") tonihihimaliktun Ukeotoagaagan Unipkamiknik havaamigun 2009-mi ukeommi ilagani Imaknik Atogeagani Laeseoyum Napaa 2AM-DOH0713 toniyaohimayok Nunavumi Imalikiyin katimayenin September 19-mi 2007-mi. Kaoyimalogo 2008-mi una laeseoyok nuhimayok hivoagun nanminikaktugaloamin, Miramar-konin Kapihiliktumi Oyagaktakvik-kunin ukunuga HBML-kunin. Okakhimayumi Naonaepkun B-mi, Ilikuktok 1 Laeseoyumi, unipkak ilakaktok hivunikhiyotikhanik ukununa:

- naenakhugin okaotaoyun tatkikheotini amigiyutinun naonaepkotin
- naenakhugin okaotaoyun Hanatilogin Amigiyutinun Unipkak
- hinonikiyutikhan nunami halomaelguvaloknik monagiyutin oyagaktaniklo atulimagitonik tukoktigivikmik ilitokhaenik
- naenakhugin okaotaoyun kanogilinigin tatkikheotini imakakniginik imaginigagulo ilitokhaenikmik
- kanogiliniga taya inikageakmaga Atagukveoyok Nunami
- naonaeyaknigin kuknigin amigiyutin inigiyani
- ihomaginigin Monagiyotinun Upalogaeyaotin Upaloknaktokakalo Upigeagutin Ihoakhaotikhanulo Upalogaeyaon
- titigakhimayomik okateakhimalotiklo tamaeta agiktaohimagitun kuvigaeyun kanogaaloklo, kuveyokakan hunaoniga nahaotagun naetomiklo okaoheoyonik upiyotinik kigoagun
- kanogilivaleanigin ilitokhaotikhanun naonaepkotinik katitiyiyutin
- ihomamilogo naamaniga nunanik utiktiyotikhak manik kolaknaeyaon
- naetomik okaoheoyonik notaguktitiyutinik ihoakhaotiniklunen imiktakvikon havaoheoyun ikagukvelo kanoginiginun, ukoalo tamaeta ilagiyaen napayun kanolo havaohikhan nahugiyaoyun atoktukhami ukeomi inmagaa
- naetomik okaoheoyonik umiktokaknikan nunalo utititaagani ilitkohenun havaagiyaolikmagaa kanoklo havaohikakneakmagaa aepaagu
- GPS-mi homenigin nunan ikagukveoyun
- naetomik okaoheoyonik okakatigegutinun inuknik ilaoniginiklo nunalikni timeoyuni inoelo haneanetun nunalikni
- naetomik okaoheoyonik upiyotinik ihoakhiyaagani ihomalutaoyun ihoeliyotilo titigakhimayun ilitokhaeyutinin makpigaagini Ilitokhaeyim tunihimayaeni

Doris North-mi pikotin taya atoktaoyun inigiyaoyagani nalvakheoktinin Kapihiloktumi Oyagaktakvikhakatkiktomi. Doris North-mi nunam ilaoni oyagaktakvik, oyakikiviklo ataogukviklo hanayaohimagitun taya. Taemanenman, amigaetun hivonikhiyutikhan tukhiktaoyun ilagagun laeseoyum kahaginmata taya. Naonaepkotin kahaknikata, HBML-kon ilaopkaeyun naetomik okaoheoyonik hivonikhiyutikhatigun Ukeotoagaagan Unipkaani.

ᐱᒋᐊᕈᑎᖓ
2AM-DOH0713 ᐅᑭᐅᒧᑦ ᐅᓂᑳᓕᐅᕐᓯᒪᔪᖅ

Hope Bay Mining Ltd. ᐅᔭᕆᒃᓯᐅᕐᑎᑦ ᐅᑭᐅᒧᑦ ᐊᑐᕐᑕᒥᓐᓂᒃ ᐅᓂᑳᓕᐅᕐᑐᑦ ᑐᓴᙵᒃᓴᓕᐅᕐᑐᑦ ᐱᓕᕆᐊᕆᔾᒥᓐᓄᑦ ᐅᑭᐅᒧᑦ 2009 ᐃᒪᕐᒧᑦ ᓚᐃᓴᖕᒐᑕ ᓇᓴᐅᑖ 2AM-DOH0713 ᐊᕿᑕᐅᓚᐅᕐᑐᖅ ᓄᓇᕗᒥ ᐃᒪᓕᕆᔨᑦ ᑲᑎᒪᔨᖏᓐᓂᑦ ᓴᑕᐸ 19, 2007. ᑐᑭᓯᒋᐊᓕᒃ 2008-ᒧᑦ ᓚᐃᓴ ᑖᓐᓇ ᓄᒃᑎᕐᑕᐅᓚᐅᕐᑐᖅ ᓯᕗᑦᓕᐅᔪᓂᑦ ᑕᐃᑯᓇᖓᑦ ᓇᒻᒥᓂᖃᓚᐅᕐᑐᓂᑦ, Miramar Hope Bay Mining_ᑯᓐᓂᑦ, HBML_ᑯᓐᓄᑦ. ᐊᕿᑕᐅᓯᒪᔪᖅ ᒪᓕᒃᑯᒍ Schedule B, ᓇᓴᐅᑎᖃᕐᑐᖅ 1 ᓚᐃᓴᒥ, ᑐᓴᒃᓴᓕᐅᕐᓯᒪᔪᖅ ᐅᓂᑳᓕᐅᕐᓯᒪᔪᖅ ᑐᕋᖓᔪᖅ ᑕᑯᓄᖓ ᐊᑖᓂ ᑎᑎᕋᕐᓯᒪᔪᓄᑦ:

- ᓇᐃᓈᕐᓯᒪᐸᓗᑎᒃ ᑕᕿᒧᑦ ᖃᐅᔨᓴᕐᑕᐅᖃᑦᑕᖅᑐᑦ ᑎᑎᕋᕐᓯᒪᔪᑦ
- ᓇᐃᓈᕐᓯᒪᐸᓗᑎᒃ ᑎᑎᕋᕐᓯᒪᔪᑦ ᐃᒡᓗᕐᐸᒃᓂᒃ ᐊᓯᙱᓐᓂᒃᓗ ᓴᓇᔭᐅᓂᙱᓐᓄᑦ
- ᑐᓴᒃᓴᓕᐅᕐᓯᒪᔪᑦ ᑐᕋᖓᔪᖅ ᐅᔭᖃᓄᑦ ᖃᐅᔨᓴᕐᑕᐅᓂᙱᓐᓄᑦ ᐊᒻᒪᓗ ᐊᑐᕐᑕᐅᓂᐊᙱᑦᑐᑦ ᐅᔭᖃᑦ ᐊᒃᑕᑰᕐᑕᐅᕙᑦᑕᐊᓂᙱᓐᓄᑦ
- ᓇᐃᓈᕐᓯᒪᐸᓗᑎᒃ ᑎᑎᕋᕐᓯᒪᔪᑦ ᑕᕿ ᑕᒫᑦ ᐃᒪᖅ ᖃᐅᔨᓴᕐᑕᐅᖃᑦᑕᖅᓂᖓᓄᑦ ᐊᒻᒪᓗ ᐃᒪᑦᑕᐅᔭᕇᒃᓴᖓᓄᑦ ᖃᐅᔨᓴᕐᓃᑦ
- ᐅᖃᐅᓯᐅᔪᕐᑕᐅᖅ ᓴᓗᒪᐃᑦᑐᒧᑦ ᐅᔭᕆᒃᓯᐅᕐᕕᒃᒥᑦ ᑯᕕᕋᕐᕕᐅᔪᖅ ᓄᓇ
- ᑰᒃᐸᑦᓕᐊᔪᖅ ᖃᐅᔨᓴᕐᑕᐅᓂᖓᓄᑦ ᐊᑐᕐᑐᑦ
- ᖃᐅᔨᓴᕐᑕᐅᕙᑦᓕᐊᔪᑦ ᐊᐅᓚᑦᑎᓂᕐᒧᑦ ᐊᑐᕐᑕᐅᔪᑦ ᐸᕐᓇᐅᑎᑦᑐ ᑐᐊᕕᕐᓇᕐᑐᖃᕋᔾᕐᐸᑦᑐ ᐊᑐᕐᑕᐅᓇᔾᕐᑐᑦ ᐊᒻᒪᓗ ᑯᕕᔪᖃᕐᐸᑦ
- ᑎᑎᕋᕐᓯᒪᔪᑦ ᐊᒻᒪᓗ ᓱᓇᐅᓂᙱᑦ ᐊᕿᑕᐅᓯᒪᙱᑦᑐᑦ ᓴᕿᐸᑦᓕᐊᔪᑦ ᖃᓄᖅᑐ ᐊᙱᓂᙱᑦ, ᑯᕕᔪᓄᑦ ᑐᓴᒃᓴᓕᐅᕐᓯᒪᔪᑦ ᓇᓴᐅᑎᙱᑦᑐ ᐊᒻᒪᓗ ᑐᑭᓕᐅᕐᓯᒪᔪᖅ ᖃᖓᑯᑦ ᖃᐅᔨᓴᕐᑕᐅᒋᐊᖃᕐᓂᙱᑦ
- ᖃᐅᔨᓴᕐᑕᐅᖃᑦᑕᖅᑐᖅ ᐃᒪᐅᐸ ᐃᒪᐃᕐᑎᐸᑦᓕᐊᓂᖓ ᓱᓐᓂᕐᐸᑦᓕᐊᙱᓐᓂᖓᓘᓐᓃᑦ
- ᐊᕿᐅᒪᑦᑎᐊᕋᓗᐊᕐᐸᑦ ᑕᒪᑯᐊᑦ ᓴᓇᕕᐅᕋᓂᒃᐸᑦ ᓴᓕᒍᑕᐅᓗᑎᒃ ᐊᑐᕐᑕᐅᓂᐊᕐᑐᑦ ᐸᕐᓇᐅᑎᑦ
- ᓇᐃᓈᕐᓯᒪᔪᑦ ᓄᑖᖑᕐᑎᕐᑕᐅᕙᑦᓕᐊᓂᙱᑦ ᐊᓯᙱᑦᑐ ᐊᕿᐅᒪᑎᑕᐅᔪᑦ ᓴᓇᔭᐅᖃᑦᑕᖅᑐᑦ ᐃᒥᖅᑕᕝᕕᒃᒧᑦᑐ ᐊᑐᕐᑕᐅᔪᑦ ᐊᒻᒪᓗ ᐊᒃᑕᑰᕐᓂᕐᒧᑦ, ᐊᒻᒪᓗ ᑕᒪᑯᐊᑦ ᑕᐃᑲᓂ ᓇᐸᔪᑦ ᓴᓇᔭᐅᓯᒪᔪᑦ ᑕᒪᕐᒥᑦ ᓴᓇᔭᐅᕙᑦᓕᐊᒋᐊᖃᖃᑦᑐᑦ ᐊᕐᕋᒍᑦ ᑕᒫᑦ ᓱᓇᑦᑐ ᐊᕐᕋᒍ ᓴᓇᔭᐅᓂᐊᕐᓂᙱᑦ ᐸᕐᓇᒃᓯᒪᔪᑦ
- ᓱᓇᑦᑐ ᐊᕐᕋᒍ ᐊᑐᕈᐃᕐᐸᑕ ᐊᕿᓱᕐᑕᐅᓗᑎᒃ ᓴᓕᒃᑕᐅᓂᐊᕐᓂᙱᑦ ᓴᓕᒃᑕᐅᕙᑦᓕᐊᔪᑦᑐ ᐊᓯᙱᑦᑐ ᑕᒪᑯᐊᑦ ᐊᕐᕋᒍᒧᑦ ᓴᓇᔭᐅᑲᓐᓂᕐᓂᐊᕐᑐᑦ
- ᑕᒪᓇᑯᒻᒧᑦ ᐊᕿᑕᐅᓯᒪᔪᑦ ᐊᒃᑕᑰᕝᕕᑦ ᓱᒥ ᐃᓕᔭᐅᓯᒪᒃᒪᑕ
- ᖃᖓᑯᑦᑐ ᑐᓴᕐᑎᑦᑎᖃᑦᑕᖅᑲᐊᖃᕐᒪᑕ ᐅᔭᕆᒃᓯᐅᕐᑎᑦ ᓄᓇᓕᒃᓂᒃ ᐊᕿᓱᐃᖃᑎᖃᕐᓗᑎᒃᑐ ᓄᓇᓕᒃᓂ ᑲᑎᒪᔨᐅᕕᖃᕐᑐᓄᑦ ᐃᓄᙱᓐᓄᑦᑐ ᓄᓇᓕᒃᓂ ᖃᓂᓛᖑᔪᓂ
- ᑎᑎᕋᕐᓯᒪᔪᑦᑐ ᓱᓇᑐᐃᓐᓇᐃᑦ ᐃᓱᓖᓗᒋᔭᐅᔪᑦ ᖃᐅᔨᒋᐊᕐᑕᐅᒋᐊᓖᑦ ᐅᕙᓘᓐᓃᑦ ᐊᕿᐅᒪᙱᑦᑐᑦ ᖃᐅᔾᔭᐅᓚᐅᕐᑐᑦ ᐅᖃᐅᓯᐅᓚᐅᕐᑐᑦ ᖃᐅᔨᓴᕐᑐᓂᑦ ᑕᑯᔭᕐᑐᖅᑐᓂᑦ

Doris North ᐱᖁᑎᑦ ᒪᓐᓇᒧᑦ ᐊᑐᕐᑕᐅᓕᕐᑐᑦ ᐱᓕᕆᑦᔪᑕᐅᑉᐸᓗᑎᒃ ᐅᔭᕆᒃᓯᐅᕈᑕᐅᑲᓐᓂᓕᕐᓗᑎᒃ Hope Bay Greenstone Belt. ᑐᓇᔅ ᓄᕐᑦ ᓄᓴᐅᐸ ᐊᑕᓂ ᐅᔭᕆᒃᓯᐅᕝᕕᒃ, ᐅᔭᖃᓄᑦ ᓯᖁᑉᑎᕆᕕᒃ ᐊᒻᒪᓗ ᓴᓗᒪᐃᑐᒧᑦ ᑯᕕᕋᐃᕕᒃᒧᑦ ᐊᑐᕐᑕᐅᓂᐊᕐᑐᑦ ᒪᓐᓇᒧᑦ ᓴᓇᔭᐅᙱᑦᑐᑦ. ᐅᒥᖓ ᐱᑦᔪᑎᖃᕐᓗᑎᒃ, ᑐᓴᖓᒃᓴᐅᔪᑦ ᒪᓐᓇᒧᑦ ᓚᐃᓴᑖᖑᓯᒪᔪᒧᑦ ᐊᕿᑕᐅᓯᒪᙱᒻᒪᑕ ᓱᓕ. ᑕᒪᑯᓄᖓ ᐊᕿᐅᒪᔪᓄᑦ ᑐᓴᖓᒃᓴᓄᑦ ᓇᓗᓇᙱᑦᑐᓄᑦ ᑕᑯᐊᑦ ᐅᔭᕆᒃᓯᐅᕐᑎᑦ ᑐᓴᖓᒃᓴᓕᐅᕐᑐᑦ ᐅᑭᐅᒧᑦ ᐊᑐᕐᑕᐅᔪᓄᑦ ᐃᓕᐸᓗᒋᑦ ᑐᓴᒃᓴᙳᕐᐸᑦᓕᐊᔪᑦ.

Table of Contents

1. Summary of monthly monitoring reporting [see Part J Item 21]

HBML has been collecting data from and submitting monthly reports on monitoring stations ST-7 (freshwater pumped from Doris Lake taken from a valve on the discharge end of the freshwater pump), ST-8 (discharge from Sewage Treatment Plant bio-membrane) and ST-9 (Runoff from Sewage Treatment Plant discharge - downstream of sewage treatment plant discharge point and just prior to flow entering Doris Lake). The confirmed location of monitoring station ST-9 was agreed upon with INAC mid-year in 2009 in relation to the present location of the ST-8 outfall and Glenn Lake, and sampling of that station commenced in August. HBML has also conducted sampling of accumulated water effluent (when present) in the Bulk Fuel Storage Facilities (ST-5 and ST-6) in preparation for notification of discharge. HBML uses an external, certified laboratory to carry out all analyses for this report. HBML uses the QA/QC data produced by the ALS laboratory to determine the accuracy and precision of results in this report. The following tables set out a summary of these data.

Table 1 provides the volumes of water usage at Doris Camp as required under Part E, Item 1 of 2AM-DOH0713. The water extraction pump is located just off the northwest shore of Doris Lake, and the sampling station (ST-7) is located within the Doris Lake pumphouse. Doris Camp was operational throughout 2009; the temporary camp, "Matrix", had been closed down in 2008 and not re-opened in 2009. From March 5 through May 31, 2009, due to blue-green algae/toxin issues compromising the safety of the drinking water obtained for domestic use from Doris Lake, water was trucked from Windy Lake to Doris Camp under an amendment granted by the Nunavut Water Board. Water usage volumes from Windy Lake during this period were reported under the monthly reports for NWB Licence 2BE-HOP0712. Water usage resumed from Doris Lake via the Doris Pumphouse and ST-7 station in June 2009, once upgrades had been completed to the water supply infrastructure for the Doris Camp. Monitoring at that station resumed at that time.

Water usage reported under this section includes volumes used for purposes including and other than domestic camp usage. In 2009 during winter, water was used for development of the ice road portages between Doris Camp and Doris Lake and between Doris Lake and Patch Lake. Water was also used for dust suppression on roads and during crusher operations during summer, as well as fire truck filling, water tank cleaning and supplying the temporary washroom facilities at the Doris North helipad and Doris Airstrip. All water usage for 2009 was within the values specified in the licence.

Table 1 - Doris Camp Water Usage - SNP Station ST-7, 2009 in cubic meters (m^3)

Parameters	January	February	March	April	May	June
Water Source	Doris Lake	Doris Lake	Doris Lake/Windy Lake	Windy Lake	Windy Lake	Doris Lake
Cumulative Annual Consumption	435.13	937.13	1033.13	Water obtained from Windy Lake		1664.23
Monthly Cumulative	435.13	502	96			631.1
Volume Average (Daily)	14.04	17	24			20.8
Maximum	37.7	32	24			75.4
Minimum	0	16	24			0
Parameters	**July**	**August**	**September**	**October**	**November**	**December**
Water Source						
Cumulative Annual Consumption	2832.13	4038.73	4693.47	5286.13	5422.71	5538.23*
Monthly Cumulative	1167.9	1206.6	654.74	592.66	136.58	115.52
Volume Average (Daily)	40	38.9	21.82	19.12	4.55	3.73
Maximum	89.8	100.6	46.1	47.3	12.95	8.5
Minimum	8.9	18.8	10.73	6.93	1.0	1.17
				Total Cumulative Annual Usage 2009		**5,538.23**

*An additional error occurred in the monthly SNP reports between August and September 2009 where the cumulative annual usage was totalled incorrectly. This resulted in a difference of + 195.36m^3 being reported for the year-end total consumed (Dec SNP Report cumulative annual amount 5,733.59 m^3).

Table 2 and 3 provide the results of water quality sampling for monitoring station ST-7. In June, HBML modified the previously used sampling process and the criteria the samples were analyzed for. From June onward, HBML began requesting that the analysis of samples be compliant with the specific requirements of the 2AM-DOH0713 licence, despite the fact that not all the infrastructure associated with the Doris North Project had been constructed. Cyanide is currently not being sampled for at monitoring station ST-7 as no processes are occurring on site to generate cyanide.

Table 2 – Water Sampling Monitoring Program – ST-7, January to May 2009, in mg/L, unless otherwise specified.

Parameter	January	February	March	April	May
ALS Lab Reference #	L722951-6/L722193-1	L730326-1	L738271-1	Water not utilized from Doris Lake through ST-7 (trucked from Windy Lake due to water quality - algae issues)	
Field Sample Details	ST-7	ST-7	ST-7		
Sample Date/Time	January 5, 2009	February 2, 2009	March 2, 2009		
BOD_5	<2	<2	<2		

TSS	4	<3	<3	
Fecal Coliform (CFU/100mL)	<1	<1	<1	
pH (pH unit)	7.4	7.4	7.2	
Oil & Grease (Visibility)	nvs	nvs	nvs	
Oil & Grease	<1	<1	<1	

Table 3 - Water Sampling Monitoring Program – ST-7, June to December 2009, in mg/L, unless otherwise specified.

Parameter	June	July	August	September
ALS Lab Reference #	L771253-1	L787681-2/ L796777-1	L801272-6	L817821-2
Field Sample Details	ST-7	ST-7	ST-7	ST-7
Sample Date/Time	June 1/09 8:00am	July/06 9:00am/July 24/09 7:00am	August 5/09 7:15am	Sept 14/09 7:00am
BOD	<2.0	2.0	<2.0	<2.0
Fecal Coliforms (CFU/100mL)	<1	<1	<1	<1
Total Oil and Grease	1.8	<1.0	<1.0	<1.0
pH (pH unit)	7.3	7.45	7.79	7.73
TSS	<3.0	1.7	4.0	4
Ammonia-N	<0.050	<0.050	<0.050	<0.050
Nitrate-N	<0.050	<0.050	<0.050	<0.050
Nitrite-N	<0.050	<0.050	<0.050	<0.050
Orthophosphate-P	<0.010	<0.010	<0.010	<0.010
Total Phosphate (as P)	<0.020	<0.020	<0.020	0.02
Total Aluminium	0.013	0.025	0.034	0.054
Total Arsenic	0.00062	0.00049	0.00079	0.00049
Total Cadmium	<0.00020	<0.000050	<0.000050	<0.000050
Total Copper	0.0166	0.0018	0.0024	0.0018
Total Chromium	<0.0050	<0.0050	<0.0050	<0.0050
Total Iron	0.0447	0.105	0.095	0.108
Total Mercury	<0.00010	<0.00010	<0.00010	<0.00010
Total Molybdenum	<0.0020	<0.0050	<0.0050	<0.0050
Total Nickel	<0.0020	<0.0020	<0.0020	<0.0020
Total Lead	0.00428	<0.00010	0.00016	<0.00010
Total Selenium	0.00092	0.00049	<0.0020	<0.0020
Total Silver	<0.00010	<0.00010	<0.00010	<0.00010
Total Thallium	<0.00010	<0.00010	<0.00010	0.0001
Total Zinc	0.0184	<0.0040	0.0066	<0.0040

Parameter	October	November	December
ALS Lab Reference #	L827713-1	L836682	L845383
Field Sample Details	ST-7	ST-7	ST-7
Sample Date/Time	Oct 07/09 7:00am	Nov 03/09 8:35am	Dec 02/09 7:00am
BOD	3.5	2.1	<2.0
Fecal Coliforms (CFU/100mL)	<1	<1	<1
Total Oil and Grease	<1.0	<1.0	<1.0
pH (pH unit)	7.35	7.63	7.51

TSS	6	7	<3.0
Ammonia-N	<0.050	<0.050	<0.050
Nitrate-N	<0.050	<0.050	<0.050
Nitrite-N	<0.050	<0.050	<0.050
Orthophosphate-P	<0.010	<0.010	<0.010
Total Phosphate (as P)	0.027	<0.020	<0.020
Total Aluminium	0.065	0.023	0.019
Total Arsenic	<0.00040	0.00054	0.00065
Total Cadmium	<0.000050	<0.000050	<0.000050
Total Copper	0.0029	0.0018	0.0019
Total Chromium	<0.0050	<0.0050	<0.0050
Total Iron	0.111	0.059	0.071
Total Mercury	<0.00010	<0.00010	<0.00010
Total Molybdenum	<0.0050	<0.0050	<0.0050
Total Nickel	<0.0020	<0.0020	<0.0020
Total Lead	<0.00049	<0.00010	0.00019
Total Selenium	0.00074	0.00062	0.00061
Total Silver	<0.00010	<0.00010	<0.00010
Total Thallium	0.00013	<0.00010	<0.00010
Total Zinc	0.0094	<0.0040	<0.0040

Results of the INAC technical review in April 2009 of the Doris Camp planned water system modifications included recommendations for monthly reporting of sample analysis of the blue-green algae in the raw water from Doris Lake. Table 4 provides the results of this sampling, which commenced in June 2009.

Table 4 – Water Quality Monitoring for Blue Green Algae – Doris Lake ST-7, June to December 2009.

	June	**July**	**August**	**September**
Parameter/SNP Site	**ST-7**	**ST-7**	**ST-7**	**ST-7**
ALS Lab Reference #	L789595-1	L787681-3	L7801272-6	L817821-2
Field Sample Details	ST-7	ST-7	ST-7	ST-7
Sample Date/Time	June 29/09 9:00am	July 6/09 9:00am	August 5/09 7:15am	Sept 14/09 7:00am
Blue-green Algae	69500 cells/mL	26000 cells/mL	29600 cells/mL	55000 cells/mL
	October	**November**	**December**	
Parameter/SNP Site	**ST-7**	**ST-7**	**ST-7**	
ALS Lab Reference #	L827713-1	L836682	L845383	
Field Sample Details	ST-7	ST-7	ST-7	
Sample Date/Time	Oct 07/09 7:00am	Nov 03/09 @ 8:35am	Dec 02/09 @ 7:00am	
Blue-green Algae	15,300 cells/mL	102,000 cells/mL	43,400 cells/mL	

The sampling point for ST-8 is located within the Doris Camp Sewage Treatment Plant, which is located directly east of the main building complex. Discharge samples are collected from a tap on the discharge line to the tundra at a location (ST-8A) installed in the line after the UV disinfection system. Having the discharge sampling point located within the treatment plant provides a direct representation of the effluent being

discharged, and can be sampled from this location throughout the year to ensure on-going discharge compliance.

HBML acknowledges that the tundra discharge point ST-8 west of Quarry 2 was originally intended to be a temporary discharge point that would be moved to the tailings storage facility after such a facility was constructed. HBML has not yet constructed the tailings storage facility. HBML proposes that the ST-8 discharge point remain until the tailings storage is constructed. To alleviate any risks associated with ponding and permafrost degradation HBML has proposed to build a rock diffuser during the first half of 2010 when the tundra is frozen. Designs will be prepared by a certified engineer and supplied prior to construction.

The data reported for ST-8 is within compliance values for all parameters, with the exception of three occurrences concerning pH, and one for oil and grease. In January, the pH of the plant discharge was below compliance level. Also, during the November and December camp slow-down, the plant pH dropped below the compliance threshold of 6 for two sampling events. The operator continued to make adjustments to the plant and pH levels returned to within compliance range during December. The issue seems to be related to less than optimal flow of organic solids into the plant, and during slow down periods with low camp loading numbers various methods were used to augment the necessary inputs, including using cereal-based animal feed as a source material. In September the discharge was non-compliant for visible sheen for oil and grease. This issue was followed up with the STP operator and the cause could not be determined. Subsequent sampling in the month of October and the remainder of the year did not detect a visible oil sheen. Results of water quality sampling at ST-8 are provided in Table 5.

Table 5 – Water Quality Monitoring Program – ST-8, 2009 in mg/L, unless otherwise specified.

Parameter	January	February	March	April	May	June
ALS Lab Reference #	L728061-2/ L728062-2	L730326-2	L738271-2	L749568-1	L759097-1, -2, -3, -4	L771256-1
Field Sample Details	ST-8	ST-8	ST-8A	ST-8A	ST-8A	ST-8A
Sample Date/Time	January 26, 2009	February 2, 2009	March 2, 2009	April 6, 2009	May 4, 2009	June 1, 2009 8:00am
BOD_5	<2	<2	<2	5.4	2.8	4.4
TSS	<3	<3	<3	3.0	<3.0	<3.0
Fecal Coliform (CFU/100mL)	<1	2	<1	<1	<1	<1
pH (pH unit)	**5.3**	7.2	7.5	7.83	7.65	8.07
Oil & Grease (Visibility)	nvs	nvs	nvs	nvs	nvs	nvs
Oil & Grease	<1	<1	<1	<1	<1	<1.0
Parameter	**July**	**August**	**September**	**October**	**November**	**December**
ALS Lab Reference #	L787681-1	L801272-4	L816274-1	L827716	L836682-2	L845383-2
Field Sample Details	ST-8A	ST-8A	ST-8A	ST-8A	ST-8A	ST-8A

Sample Date/Time	July 6/09 8:00am	August 6/09 8:00am	Sept 9/09 7:15am	Oct 7/09 07:00am	Nov 3/09 09:00am	Dec 2/09 06:45am
BOD_5	<2.0	<2.0	2.2	6.0	3.9	<2.0
TSS	<3.0	<1.0	<3.0	<3.0	<1.0	<3.0
Fecal Coliform (CFU/100mL)	<1	<1	1	<1	<1	<1
pH (pH unit)	7.43	7.62	7.83	7.72	**4.86**	**4.89**
Oil & Grease (Visibility)	nvs	nvs	**visible sheen**	nvs	nvs	nvs
Oil & Grease	1.1	<1.0	<1.0	<1.0	1.1	<1.0

ST-9 was not sampled in early 2009 as HBML was unable to determine a suitable location for sampling, and there was a lack of agreement with INAC and NWB as to where the sample should be taken. ST-9 is intended to measure the potential inflow of Doris North ST-8 Effluent from the tundra into Glen Lake, but is located over 1 kilometre from the end of pipe at SNP ST-8. A survey of the area revealed very limited drainage pathways to collect sufficient effluent samples to comply with requirements stipulated under Part G Item 3. This issue needed to be resolved in order to monitor compliance with the licence requirements.

In consultation with INAC during the 2009 inspection tour, sampling point ST-9 was determined to be located at geographical coordinates: N 68° 08.337' W 106° 39.931' at a point east of Glenn Lake downslope from the tundra discharge location for ST-8. Monthly monitoring commenced in August at this location, until it became frozen in October. Results are provided in Table 6.

Table 6 – Water Quality Monitoring Program – ST-9, 2009 in mg/L, unless otherwise specified.

Parameter	August	September	October	November	December
ALS Lab Reference #	L806323	L817821-1	Station Frozen		
Field Sample Details	ST-9	ST-9			
Sample Date/Time	August 17/09 8:30am	Sept 14/09 7:00am			
BOD_5	<2.0	<2.0			
TSS	<3.0	<3.0			
Fecal Coliform (CFU/100mL)	<1	<1			
pH (pH unit)	7.92	7.79			
Oil & Grease (Visibility)	nvs	nvs*			
Oil & Grease	<1.0	<1.0			

Effluent volumes released via ST-8 at the Doris Membrane wastewater treatment plant are metered daily and reported monthly in the SNP reports. The volumes discharged in 2009 are presented in Table 7. Sludge is pressed regularly to remove processed solids and allow for proper functioning of the plant; each press produces approximately 0.11328 m^3. Sludge pressed is sent to the incinerator promptly to prevent attraction of wildlife.

Table 7 - Treated Effluent release in cubic meters (m^3) through Doris Membrane Plant (ST-8), 2009.

Parameters	January	February	March	April	May	June
Annual Cumulative	378	804	1313	1856	2394	2921
Monthly Cumulative	378	426	509	543	538	527
Volume Average	12	14	16	18	17	17
Median	13	15	16	18	18	-
Maximum	19	20	27	25	22	22
Minimum	1	10	9	13	14	14 m
	July	**August**	**September**	**October**	**November**	**December**
Annual Cumulative	3463	3984	4462	4906.0	5037.0	5130.0
Monthly Cumulative	542	521	499	444.0	131.0	93.0
Volume Average	17.5	16.8	16.63	14.32	4.36	3.0
Maximum	23	22	19	21.0	10.0	7.0
Minimum	13	7	13	9.0	1.0	1.0

Month	# Presses	Volume (m^3)
January	5	0.57
February	9	1.02
March	12	1.36
April	19	2.15
May	10	1.13
June	23	2.44
July	26	2.83
August	21	2.38
September	16	1.70
October	11	1.25
November	2	0.17
December	3	0.34
Total Sludge Removed and Incinerated 2009		**17.34**

In June 2009, effluent from snow melt was sampled in the Bulk Fuel Storage Facility ST-6 at Roberts Bay in preparation for discharge. Initial samples (pre-treatment) indicated the effluent did not meet the criteria for discharge with respect to total suspended solids (TSS). The effluent was processed through an oil/water separator filtration system (post-treatment) at which time it met all licence requirements for discharge to the tundra. HBML notified the Inspector of the intent to discharge approximately 240m^3, and proposed an alternative disposal method to utilize the water as dust suppression on the project road and airstrip. The water was discharged using a combination of disposal methods. No sampling or discharge occurred at Bulk Fuel Storage Facility Doris Camp ST-5 during 2009 as there was no accumulation of water/effluent.

Table 8 - Water Quality Monitoring Program – ST-6 Bulk Fuel Storage Effluent

Parameters	ST-6	ST-6	Hope Bay: 2AM-DOH0713
Water Source	Bulk Fuel Storage Rob Bay (pre-treatment)*	Bulk Fuel Storage Rob Bay (post-treatment)*	Monitoring Program Station Description (avg. conc or any grab)
ALS Lab Reference #	L775976-19/ L778070-1	L775976-20	Compliance Values
Field Sample Details	ST-6	ST-6	Part G: Item 22(e)
Sample Date/Time	June 9/09 17:15 / June 14 09 16:45	June 9/09 17:00	
pH	7.86	-	6.0-9.0
TSS	**30**	4.0	15 mg/L or 30 mg/L
Oil & Grease	< 1.0	< 1.0	5 mg/L
Benzene	< 0.00050	< 0.00050	0.37 mg/L
Toluene	0.00150	< 0.00050	0.002 mg/L
Ethylbenzene	0.00090	< 0.00050	0.090 mg/L
Lead	0.00093	< 0.00010	0.01 mg/L or 0.02 mg/L

2. Summary of the Construction Monitoring Report [see Part D, Item 8 and outlined in Schedule D]

No construction was undertaken at Doris North in 2009. No Construction Monitoring Report will be submitted.

3. Summary of Geochemical Monitoring and Waste Rock Storage Assessment [see Schedule B Item 3]

The construction of facilities associated with waste rock storage has been deferred and as such HBML has not conducted a Geochemical Monitoring and Waste Rock Storage Assessment. Please refer to April 21, 2009 letter from HBML to NWB in Appendix A for details.

4. Summary of the results of the monthly water balance and water quality model assessments referred to in Part G, Item 31 and any re-calibrations that have been carried out [see Schedule B, Item 4]

The construction of a tailings impoundment area has been deferred and as such HBML does not currently have facilities to monitor for this requirement. Please refer to April 21, 2009 letter from HBML to NWB in Appendix A for details.

5. Summary of the Geotechnical Inspection Report referred to in Part J, Item 18 [see Schedule B, Item 5]

A geotechnical inspection under this license was undertaken in 2009. The summary of the report is as follows:

HBML contracted SRK Consulting (Canada) Inc. (SRK) to conduct the annual geotechnical site inspection of the Doris North Project in accordance with stipulated License conditions. This investigation was carried out during the week of July 20 – 25, 2009.

Table A below provides a summary of the inspection components and the primary recommendations stemming from the inspection. There were no issues that require urgent and immediate action, and for many of the issues highlighted, HBML site staff had already stated implementation of mitigation measures at the time of the inspection.

Table A – Geotechnical Inspection Recommendations

Inspection Item	2009 Recommendations
Thermistors	• Inspect, repair and re-commission inactive thermistors where practical • Collect quarterly thermistor data as a minimum (August, November, February and May) • Consider installing data loggers for select remote thermistors to ease the burden of frequent manual data downloads
Old Lay Down Area	• Relocate the explosives magazines from the tundra vegetation onto the beach • Conduct general cleanup of the site by collecting garbage and other debris and dispose of it in accordance with site waste management protocols
Jetty	• Conduct annual survey of the jetty to allow for actual measurement of ongoing settlement • Remind operational staff annually about the operational limitations of the jetty
Shoreline Lay Down Area	• Inspect pad perimeter during freshet and immediately following significant or prolonged rainfall events. • Pump out ponded water to prevent onset of thermal erosion • Ensure that no equipment, supplies or garbage are stored outside the pad footprint
Roberts Bay Tank Farm	• Monitor overburden ponding immediately above the high wall and construct a new drainage channel in 2010 • Construct a nominal rock containment berm at the downstream toe of the overburden stockpile to mitigate uncontrolled silt release • Install permanent sumps within the secondary containment area to facilitate complete surface water drainage • Install a sump in the jet fuel and hydraulic oil storage area, or re-grade the area to allow free draining off the pad. • Install settlement beacons along the fuel transfer station and sections of the secondary containment facility not constructed on bedrock. Monitor the beacons quarterly. • Confirm that the secondary containment facility has sufficient storage capacity to allow storage of jet fuel drums inside the containment area
Roberts Bay Lay Down Area	• Construct containment berms around the ANFO storage facility • Ensure that all equipment and supplies are stored completely on the lay down pad footprint • Inspect pad perimeter during freshet and immediately following significant or prolonged rainfall events. Pump out ponded water to prevent onset of thermal erosion • Monitor flow from drainage channels beneath pad. If flow stops, the blockage must be traced to prevent onset of thermal erosion

Inspection Item	2009 Recommendations
	• Monitor areas where rock was relocated from the tundra for signs of thermal erosion
Airstrip	• Monitor areas where rock was relocated from the tundra for signs of thermal erosion • Maintain the practice of inspecting the runway toe line during freshet and after significant and prolonged rainfall events. Pump out ponded water to prevent onset of thermal erosion
All Weather Roads	• Inspect road toe lines during freshet and immediately following significant or prolonged rainfall events. Pump out ponded water to prevent onset of thermal erosion • Monitor areas where rock was relocated from the tundra for signs of thermal erosion
Wash Bay	• Inspect pad perimeter during freshet and immediately following significant or prolonged rainfall events. Pump out ponded water to prevent onset of thermal erosion
Road Lay Down Area	• Inspect pad perimeter during freshet and immediately following significant or prolonged rainfall events. Ponded water should be pumped to prevent onset of thermal erosion • Gravel stockpiles placed on the tundra on the west side of the pad should be relocated
Quarry #2	• The overburden high wall on the upper bench of the quarry is over steepened and unsafe. Care needs to be taken when mucking out the blast rock in this area, and appropriate signage and barricades needs to be put in place along the quarry access road • A management protocol needs to be put in place to prevent prolonged ponding of water in the overburden pile sedimentation pond
Crusher Pad	• Inspect pad perimeter during freshet and immediately following significant or prolonged rainfall events. Pump out ponded water to prevent onset of thermal erosion • Develop and implement a protocol to ensure that water in the fuel tank secondary containment area is pumped out and managed in an appropriate manner • Develop and implement a long-term solution for discharge of grey water to prevent vegetation dieback and subsequent thermal and physical erosion
Doris North Camp	• Inspect pad perimeter during freshet and immediately following significant or prolonged rainfall events. Pump out ponded water to prevent onset of thermal erosion • Construct a catch berm at the toe of the high wall and install appropriate signage and barricades to warn people and equipment from coming too close to the high wall • Eliminate ponding above the high wall through pumping or re-grading
Camp Overburden Pile	• Develop and implement a protocol to monitor and manage ponded water at the toe of the overburden pile
Quarry #4	• Re-slope and clad the overburden high wall • Pull back, re-slope and clad the overburden above the rock high wall • Scale the rock high wall and construct a catch berm at its base • Relocate the equipment above the high wall to get it off the tundra
Matrix Camp	• Inspect pad perimeter during freshet and immediately following significant or prolonged rainfall events. Pump out ponded water to prevent onset of thermal erosion
Doris Fresh Water Intake	• Inspect pad perimeter during freshet and immediately following significant or prolonged rainfall events. Pump out ponded water to prevent onset of thermal erosion

6. An update on the current capacity of the Tailings Impoundment Area [See Schedule B, Item 6]

The construction of a tailings impoundment area has been deferred and as such HBML cannot update the NWB on the capacity of this area. Please refer to April 21, 2009 letter from HBML to NWB in Appendix A for details.

7. A comparison of the flows (m^3/day) at monitoring stations TL-1, TL-2, TL-3, and TL-4 [See Schedule B, Item 7]

The construction of a tailings impoundment area has been deferred and as such monitoring stations TL-1, TL-2, TL-3, and TL-4 do not yet exist. No monitoring is possible at this time. Please refer to April 21, 2009 letter from HBML to NWB in Appendix A for details.

8. Annual review and any revisions submitted in the form of addendums to the Management Plans or Emergency Response and Contingency Plan [See Schedule B, Item 8]

In 2009, HBML submitted the following plans:

- Spill Contingency Plan
- Emergency Response Plan
- Incinerator Management Plan
- Noise Abatement Plan
- Hazardous Waste Management Plan
- Quality Assurance and Quality Control Plan
- Sewage Management Plan

The majority of these plans are updates to previous plans submitted by Miramar. As such, the plans have been substantially updated from their previous versions. All were submitted as stand alone documents. No revisions or addendums are required at this time.

9. A list and description of all unauthorized discharges including volumes, spill report line identification number and summaries of follow-up action taken [See Schedule B, Item 9]

Please refer to Item B of the Annual Report Form for list of all unauthorized discharges for 2009.

10. The results of continued aquatic effects baseline data collection, and the results of the Aquatic Effects Monitoring Program in accordance with Part K, Item 4 [See Schedule B, Item 10]

The results of the aquatics effects baseline data collection for 2009 are as follows:

a) Freshwater Baseline Program

The 2009 freshwater baseline program included the following components: lake water quality (winter and summer), physical limnology (winter and summer), lake sediment quality, lake phytoplankton, lake zooplankton, lake benthos, stream water quality, stream sediment quality, stream periphyton, and stream benthos. The program included collecting samples from lakes and streams in areas that could potentially be influenced by future mining activities. Two reference lakes and their associated outflows located well away from potential Project activities were also sampled, as was a reference river location on the Angimajuq River. A total of 13 lakes and 12 streams/rivers were sampled in 2009.

Results from the 2009 freshwater baseline program added another year of characterization to lakes and streams in the Hope Bay Belt area. Surface waters were characterized as having near-neutral to slightly basic pH levels, and generally low metal concentrations. A range of nutrient concentrations existed for surface waters, with water bodies being characterized as oligotrophic, mesotrophic, and eutrophic. Some lakes exhibited natural winter oxygen depletion at depth. Lakes and streams exhibited a range of primary and secondary producer abundance, density, and taxonomic diversity typical of Arctic water bodies. Some lakes had naturally elevated water and/or sediment metal concentrations (slightly higher than CCME guidelines for the protection of freshwater aquatic life), but still contained abundant and diverse aquatic communities comparable with other lakes in the area.

b) Marine Baseline Program

The 2009 marine baseline program included the following components: marine water quality (winter and summer), physical oceanography (winter and summer), sediment quality, marine phytoplankton, marine zooplankton, and marine benthos. The program included collecting samples from the near-shore and pelagic areas that could potentially be influenced by future mining activities. Roberts Bay and Hope Bay were sampled during the ice-covered season (April) and Roberts Bay and a reference inlet (immediately east of Roberts Bay) were sampled during the open-water season (August).

The 2009 marine baseline program added another year of characterization to the marine habitat in the Hope Bay Belt area. It also increased the spatial coverage relative to the historical marine sampling programs in the area. All three sampled embayments were characterized as being vertically stratified with less saline surface waters overlaying dense saline deep water. The surface waters were always more oxygenated than the deep waters, which is typical of fjord systems. Oxygen concentrations were higher in summer

than winter and there was no indication of low oxygen concentrations (<6.5 mg/L) at any time during the sampling program. Nutrient concentrations (nitrogen and phosphorus) were typical of coastal estuarine systems. Nutrient and most metal concentrations were lower in the surface layer than in the deep waters and the summer surface waters were nitrogen-limited due to seasonal phytoplankton growth. Phytoplankton biomass was very low during the summer due to the reduced nitrogen concentrations and the community was dominated by small naked flagellates. Zooplankton abundance was also low and was dominated by calanoid copepods. The summer zooplankton community showed a clear distinction between the near-shore waters and the more pelagic sites (increased Larvacean abundance). Some near-shore sites had naturally-elevated levels of copper and chromium in their sediments (slightly above CCME guidelines), but these sites revealed no biological differences with other sites in the marine program.

c) Freshwater Fish and Fish Habitat Baseline Program

The objective of the 2009 freshwater fish baseline work was to characterize fish habitat and fish communities in lakes, ponds, rivers and streams of the Project area. Fish communities were characterized in terms of species richness, relative abundance (i.e. catch-per-unit-effort), absolute abundance (only in Doris and Patch lakes which were surveyed by hydroacoustic gear) and biological features (e.g., length, weight, age and sex). Lake trout (*Salvelinus namaycush*) diet and tissue metal concentrations were sampled from five lakes.

Lake fish communities displayed very low species richness, which is typical of Arctic lakes. Lake cisco, lake whitefish and lake trout were the most common species. Arctic char were captured only from two lakes. The total number of fish in Doris and Patch lakes was estimated at 55,806 and 33,619, respectively. The fish communities of streams and ponds also showed very low diversity – ninespine stickleback (*Pungitius pungitius*) was the dominant species. Fish habitat was very diverse in the Project area, with lakes forming the majority of perennial habitat. Historical information on fish and fish habitat from 1995 to 2007 was summarized and compared to the 2009 baseline information to assist Project planning, permitting and future environmental monitoring.

d) Marine Fish and Fish Habitat Baseline Program

The objective of the program to collect baseline data on the nearshore fish community, macrobenthos community and fish habitat in Roberts Bay. Nearshore fish and macrobenthos communities were also sampled at a reference site located in a bay east of Roberts Bay.

A total of eleven fish species were captured in Roberts Bay, including Arctic char, Arctic flounder, Arctic shanny, capelin, Greenland cod, longhead dab, ninespine stickleback, Pacific herring, saffron cod, starry flounder and sculpins of the genus *Myoxocephalus*. Six of those species were captured at the reference site. Catch-per-unit-effort (CPUE)

suggested species-specific seasonal changes in the use of nearshore habitat, but there was too much sampling variability to clearly identify those trends. The dominant prey by number were decapod crustaceans, and prey of secondary importance in Roberts Bay included mysids, amphipods and copepods, in decreasing order of abundance. At the reference site, prey taxa of secondary importance were amphipods, mysids and fish eggs. Large-bodied invertebrates that were captured included sea stars, clams, mussels, isopods, sea urchins, snails and decapods. A total of 18 species of fish have been captured in Roberts Bay over the last decade; the additional species captured prior to 2009 included banded gunnel, Arctic cisco, least cisco, lake trout, lake whitefish and an unknown species of flounder. Saffron cod was the most abundant species in most years. Relatively high numbers of capelin and Pacific herring were caught in 2003 and 2007 due to a focus in those two years on intercepting along-shore fish migrations. Sampling in 2009 caught more pelagic and bentho-pelagic species than in previous years because more sampling effort was expended with gillnets in offshore areas than in previous years.

11. Annual adjustments to reclamation security including any additional security that may be required [See Schedule B, Item 11]

No adjustments to reclamation security were required or made in 2009.

12. Annual Incineration stack testing results [See Schedule B, Item 12]

An incinerator stack emissions testing program was implemented in mid-October 2009 to collect samples for dioxin, furan and mercury. The samples were analyzed at an accredited laboratory. These parameters were compared with the Canada Wide Standards for Dioxins and Furans and the Canada Wide Standards for Mercury. The Canada Wide Standards were developed by the Canadian Council for Ministers of the Environment (CCME).

The test results showed that the emissions from the Doris Camp incinerator were in compliance with the Canada Wide Standards (CWS) for mercury, but were not in compliance with the CWS for dioxin/furan. The average mercury emissions were 1.0 ug/Rm3 @ 11% O2, compared to the CWS guideline of 20 ug/Rm3 @ 11% O2. The average dioxin/furan emissions were 2,170 pg/Rm3 @ 11% O2, compared to the CWS guideline of 80 pg/Rm3 @ 11% O2. Mercury was found at levels significantly above method detection limits, and the results suggest that the waste feed mercury content is very low. It was noted that the temperature in the secondary chamber of the Doris incinerator for two of the three dioxin and furan tests/runs was not in the optimum range recommended by the manufacturer (i.e., > 850°C). During 2010 Hope Bay Mining Ltd. will be working with Environment Canada to develop more efficient waste management practices at the Doris North Gold Mine Project and intends to implement several best management practices (BMPs) to reduce the dioxin and furan emissions from the Doris incinerator. The stack emissions will be re-sampled upon implementation of incinerator best management practices to measure the change in emissions.

13. Annual Landfill Management Report [See Schedule B, Item 13]

HBML is authorized to dispose of all non-hazardous solid waste in a landfill on site as per Part G Item 10. At the request of the land owner, Kitikmeot Inuit Association, HBML has not constructed a landfill. Solid waste that cannot be burned is taken offsite for disposal. Because HBML has not constructed a landfill, no landfill management report has been prepared.

14. A summary of modifications and/or 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 [See Schedule B, Item 14]

Modifications were carried out in 2009 to the potable water treatment system at Doris Camp to treat for blue-green algae in the Doris Lake source water. Modifications included reducing the size of the domestic intake line and pump capacity, addition of higher-gauge micron filtration (1μm), addition of filtration units in the treatment system, and installation of an ozonation disinfection system. An additional Reverse Osmosis (RO) system was added in to the kitchen water supply.

15. A summary of any closure and reclamation work undertaken and an outline of any work anticipated for the next year, including any changes to implementation and scheduling [See Schedule B, Item 15]

Please refer to Item E of the Annual Report Form for a summary of closure and reclamation work undertaken in 2009.

16. A summary report describing public consultation and participation with local organizations and the residents of the nearby communities, including a schedule of upcoming community events/information sessions [See Schedule B, Item 16]

Community consultations including consultation with Inuit in the Kitikmeot are governed by the Community Relations Plan. This plan is primarily implemented by Alex Buchan, Manager of Community and External Relations located in Cambridge Bay, with support from Chris Hanks, Director of Environment and Social Responsibility. Community Relations activities continue to revolve around Inuit employment and training opportunities in HBML programs and projects, consistent with feedback from a wide range of stakeholder groups.

In 2009, Hope Bay Mining Ltd. (HBML) maintained an office in Cambridge Bay – leased through Kitnuna - that provided for walk through public traffic and interactions in this community. The office is located at the Cambridge Bay airport however HBML

acknowledges that this location is not optimum for public interaction. A downtown Cambridge Bay office location is currently being scoped for occupation in 2010.

Regular communications are maintained between the Manager and KIA Community Liaison Staff by email and telephone, in particular with the Cambridge Bay CLO, Anne Klengenberg, primarily regarding employment and training opportunities for Inuit at our project site.

During 2009, HBML had only one Kitikmeot based staff member, Alex Buchan.

a. Cambridge Bay Logistics Hub

The Hamlet of Cambridge Bay continues to act as the transportation hub for HBML Kitikmeot activities. Although relatively little freight was handled through Cambridge Bay in 2009, all northern hires travel through this community in order to be transported to site via Twin Otter chartered aircraft. Care is continually taken to not flow northern employees through Yellowknife in keeping with our Socio-Economic commitments.
During the first part of 2009, HBML continued to utilize a Kitikmeot Corporation staff house in order to provide overnight accommodation for northern workers who may have arrived in Cambridge Bay on a day without Air Charter service to site. However, through effective employee travel planning, later on in 2009, HBML found little if no use for this Unit. In fall of 2009, HBML discontinued use of this building. Surplus furniture from the Crewhouse was donated to the Cambridge Bay Elders Palace.

During the operating season, HBML made use of Cambridge Bay accommodation (Arctic Island Lodge, Green Row Apartments) for up to 5 staff at a time.
HBML moved to conduct staff orientations at site in 2009.

The volume of HBML traffic through the regional center for the Kitikmeot facilitated in several ways a greater understanding of our project and activities by Kitikmeot residents.

b. Email Distribution List

In 2009, HBML continued the practice of regular email notifications of company updates amongst Key Stakeholders in the region including:

- 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.

At least once a month, an email is distributed amongst this group highlighting current corporate events, contact information, the status of hiring and training, which exploration camps are active, current photographs of exploration work, and copies and explanations of relevant company News Releases.

c. Alcohol and Drugs

No alcohol and drug issues were noted in 2009 at HBML sites.

d. Community Relations Monthly Summary

January

Alex Buchan delivered a project update to the Kitikmeot Mayors Meeting held in Cambridge Bay January 20-22, 2009. Included in the audience besides Municipal leaders were a number of Government of Nunavut staff members and senior managers.

During this month, HBML began work to develop a new Permitting Strategy for the Hope Bay Project, of which community relations aspects were included.

Alex Buchan began participation in the Geological Survey of Canada Advisory Group of Northerners formed to maximize benefits to northerners and Inuit from the Government of Canada GEM initiative.

Finally, a new 2009 Site Orientation program was developed to present to inducted workers on site. Particular attention was made to ensure inclusion and accuracy on Cross Cultural Awareness Components.

February

HBML sponsored and participated in the 2009 Kitikmeot Trade Show in February. In attendance were Alex Buchan, Jerry Clyne (Supply Chain) and Chris Hanks. HBML operated a booth during the trade show and was able to explain our operation to members of the public present. Additionally, Jerry Clyne was able to make a presentation to Kitikmeot Based Business, providing information to interested companies wishing to secure contracts from us. Included in the presentation was information on supplier forms and key contracts to be let in 2009.

In February, HBML began a process to more clearly understand public health matters in the Kitikmeot. HBML secured the services of Andrew Langford of Yellowknife to conduct a Stage 2 Health Study. As part of this study, a number of Nunavut and Kitikmeot Health and Social Services and Community Wellness Staff were contacted for their views.

In February, HBML began a process to develop a site Language Policy that would be compliant with provisions of the new Nunavut Inuit Language Protection Act. This

completed policy was later adopted in 2009, compliant with IIBA requirements and providing more certainty in acting in matters related to the language of choice for our employees, and the public seeking information from us.

Also in February, Alex Buchan was in contact with News North of Yellowknife that subsequently wrote a newspaper article regarding our project that was published throughout the North.

March

Alex Buchan consulted with Kitikmeot Health centers in March on the new HBML requirement for a pre-employment medical examination. This procedure was put in place to allow site medical personnel access to important medical information and assessments of our employees in order to better serve them at site.

Alex Buchan acting as HBML representative to the NWT-Nunavut Chamber of Mines in March provided Board assistance to the submission of a proposal to the Government of Nunavut to assist in establishing an Iqaluit Office for the Chamber of Mines. This office would be a resource to all Chamber members but also provide more mining industry awareness programming throughout the territory including the Kitikmeot. During 2009, the Government of Nunavut did not formally respond to this proposal.

HBML also in March attended and sponsored the Nunavut Mining Symposium in Iqaluit. Attending on behalf of HBML were Alex Buchan and Chris Hanks. Alex Buchan made a presentation on the Community Engagement portion of the Symposium explaining our partnership efforts to deliver Pre-Trades training to Kitikmeot Youth through our Summer Camps. Chris Hanks delivered a presentation providing a Project and Company update. These presentations were well attended by members of the public, media, government and Inuit organizations present at the Symposium. A short meeting of the Nunavut Mine Training Roundtable also took place.

Also as part of the Symposium and for subsequent events, HBML developed a new project Factsheet that was made available as a translated handout.

In March, all HBML site signs were catalogued and translated in order to conform with the draft language policy.

HBML interacted with the KIA on the matter of contracting for Environmental Baseline Studies for the Hope Bay Project. As part of the decision to contract this work, HBML made significant efforts in March to hire Inuit fieldworkers to assist in conducting these studies.

HBML Health and Safety staff volunteered to assist the Hamlet of Cambridge Bay in the delivery of a 1 day WHIMIS training course in April.

April

In April, HBML staff including Alex Buchan and Chris Hanks attended a KIA Board meeting in Taloyoak to provide the Board with a project update, and answer any questions the Board had on our activities.

Also in April, Alex Buchan presented to the Cambridge Bay Nunavut Arctic College Introduction to Mining students. Alex provided information on HBML, the Hope Bay Project, and generally about mining employment.

In April, HBML posted public safety notices in the Hamlet of Cambridge Bay as well as on local radio to warn the public regarding blasting activities at Site. Additionally, another safety notice was posted regarding the use of the Cambridge Bay to Hope Bay winter road.

HBML provided staff, accommodation, aircraft, food, fuel, equipment and logistical support to RCMP and Cambridge Bay Search and Rescue Committee in their efforts to locate the body of Julien Tologanak who died close to HBML Boston Camp. This work continued on into the month of May.

May

HBML met with KIA in an executive session in Edmonton AB in order to discuss IIBA and permitting issues. In attendance for HBML were Brian Anderson, Jerry Clyne, Chris Hanks and Alex Buchan. HBML also met with KIA in Kugluktuk later in the month in order to discuss the possibility of using roadless vehicles in the Hope Bay Belt.

In May, HBML initiated a photography contract in order to obtain Kitikmeot graphic images for use in corporate documents. Consideration was given to Kitikmeot residents participating in this work.

HBML responded to Bear People conflicts at site during the month of May. HBML consulted with the KIA and Department of Environment, Government of Nunavut in deterring Grizzly Bears.

HBML began to respond to the H1N1 Flu Epidemic with specific actions and procedures to protect our northern workforce and productivity at Site. This involved informing our contractors, aircraft charter companies and workers of these specific procedures.
In May, HBML donated 6 surplus washing machines in Cambridge Bay. Distribution of the washing machines was facilitated by the Cambridge Bay Wellness Center. HBML also donated a surplus pool table to the Cambridge Bay Youth Center.

June

HBML consulted with the KIA and the local CBC in order to obtain permission to conduct regional scale geological studies using a helicopter in the Hope Bay Belt.

A number of surplus personal computers and servers were shipped to Cambridge Bay in June. Over 30 computers were donated to local residents and groups.

Alex Buchan began preparations for the Kimberlite Summer Camp to be held in July.

Starting in June, HBML began a consultative process with the Government of Canada providing input into the new Nunavut Land Use and Impact Assessment Act.

Over 40 tubs of surplus laundry detergent was made available to residents of Cambridge Bay in June. A quantity was provided to the Cambridge Bay Group Home and the remainder was distributed by the Cambridge Bay Wellness Center.

July

HBML conducted the Kimberlite Summer Camp during the first week in July. High School students from Cambridge Bay participated in this program. Anne Daniels, Christine Aknavigak and Jacque Gagnon, all educators at Kilinik High School were on hand to Chaperone, as was Alex Buchan. A total of 12 students participated in 2009. 4 tool boxes that were surplus from the Kimberlite Center were air freighted by HBML into Cambridge Bay after the end of the Summer Camp and are currently being used at the Kilinik High School trades shop.

In July, HBML staff participated in the Cambridge Bay town cleanup to support environmental stewardship.

August

In August, HBML caused an accidental caribou mortality. This was communicated to the KIA and Government of Nunavut, Department of the Environment. A wildlife compensation claim from the KIA is still pending.

HBML hosted the entire KIA Board of Directors at Doris Camp in August, including several staff members. The KIA Board had an opportunity to inspect the site and see how HBML operates on Inuit Owned Land.

Alex Buchan had the opportunity to provide an in depth project update to the Hon. Keith Peterson, MLA for Cambridge Bay and the Minister of Finance.

At the end of the month, HBML was represented by Chris Hanks at the Canadian Mine Minister's conference held in St. Johns NL. During this conference, Mr. Hanks had opportunity to fully brief Minister Taptuna of Nunavut regarding the Hope Bay Project.

Alex Buchan audited the 2009 Nunavut Association of Municipalities Meetings held in Cambridge Bay. HBML noted a number of emerging issues for Hamlets across the territory, however no presentations were made.

In August, HBML responded to comments from Inuit workers on the lack of country food availability at site. Arctic Char was purchased as the only commercially available country food and placed on the menu.

September

HBML sponsored and participated in the Cambridge Bay version of the Great Canadian Shoreline Cleanup in September in support of Environmental Stewardship. Attached to this event was local Nunavut Mining Week acknowledgement. HBML presented to Kilinik High School students on mining matters. This presentation was delivered by Mark Ullikatak, Andy Orr and Philo Schoeman, all involved in HBML Exploration. The marking of Nunavut Mining Week ended with a public BBQ at the Cambridge Bay community hall sponsored in partnership with NTI Lands Division and the Department of Economic Development and Transportation.

At the end of the month, at the request of the KIA Lands Division, a Elders Tour of Doris Camp was facilitated. A total of 8 Cambridge Bay Elders consisting of several KIA CBC members and Elders specifically knowledgeable of the Hope Bay area were toured HBML facilities along with Interpretation Support.

October

In October, HBML publicly announced that staged development of the Hope Bay Project starting with a modified Doris North Project. This was communicated by means of our Q3 Earnings Call followed up by direct communication with key stakeholders. In relation to this decision, HBML began efforts to strictly comply with Doris North IIBA and Water Compensation provisions.

HBML formally began providing notice in Kitikmeot Communities of all HBML Nunavut employment opportunities.

Alex Buchan attended another GEM Advisory Group of Northerners meeting in Whitehorse. The focus of this meeting was to develop employment and training options for this initiative in support of Inuit involvement in this initiative.

Alex Buchan also attended in Toronto the 2009 Canadian Aboriginal Minerals Association annual gathering. During this event, it was possible to obtain information on best practices in aboriginal engagement from across the country.

Alex Buchan in October also audited the KIA Annual General Meeting held in Cambridge Bay. Although no presentation was provided, this event offered the opportunity to meet with KIA delegates from across the region and hear what key concerns and issues exist with community members and KIA associated groups such as Kitikmeot Corporation.

HBML also facilitated a site inspection this month from KIA Lands Division staff. Alex Buchan accompanied Stanley Anablak to site for this purpose.

November

HBML developed a new Corporate Donations Policy in November. This policy provides the basis for HBML to decide which funding requests to support from the number of proposals that are received in a year.

A Bid Preparation presentation was made by Jerry Clyne, Business Manager for HBML, during the Yellowknife Geoscience Forum to provide Kitikmeot Based Business with contract forecasts for 2010. The event was well attended by over 40 company representatives.

HBML posted an opening for an IIBA Coordinator Position in November to be based in Cambridge Bay. The purpose of this position is to provide a resource for HBML to ensure compliance on Human Resource and Contracting provisions of the Doris North IIBA, while providing support to the IIBA Implementation Committee. A number of persons applied for this position and background checks are being conducted to determine the successful candidate.

HBML in November opened a dialogue with the Department of Environment, Government of Nunavut regarding the Hope Bay Wildlife Mitigation and Monitoring Program. HBML was able to integrate a number of recommendations from this agency into changes in how HBML will monitor Grizzly Bear, Caribou and Wolverine into the future.

Also in November, HBML participated in a Kitikmeot Socio-Economic Monitoring Committee workshop and meeting held in Cambridge Bay, hosted by the Department of Economic Development and Transportation. Representing HBML were Chris Hanks, Alex Buchan and Lea-Marie Bowes-Lyon. During an evening session a Doris North SEMC meeting was also held. Continued efforts are in place in order to clarify how the Kitikmeot SEMC and Doris North SEMC and work together to progress monitoring in this region.

December

In December, HBML conducted a comprehensive Kitikmeot Community Consultation Tour, stopping in every Kitikmeot Community. Chris Hanks, Sriram Sampathkumar (HBML HR) and Alex Buchan attended on behalf of HBML. Also in attendance were Johanne Johnson and Dave Sherlock of Nuna Logistics. As Nuna Logistics had been selected as the General Contractor for Phase I Hope Bay Development, these representatives were on hand to outline some of the contractor employment opportunities and procedures that would exist in 2010. Over 300 Kitikmeot residents participated in 6 public meetings held during this tour.

17. GPS locations of monitoring stations as confirmed with the Inspector Part J, Item 5 [See Schedule B, Item 17]

Please refer to main part of the annual report for the GPS locations of the monitoring stations.

18. A summary of actions taken to address concerns or deficiencies listed in the inspection reports and/or compliance reports filed by an Inspector [See Schedule B, Item 18]

In 2009, no inspection report was issued by the INAC inspector for the inspection that took place July 9, 2009. HBML, however, sent the inspector a follow-up letter on July 14, 2009 summarizing the items discussed during the inspection.

Items that were discussed/clarified relating to this license include:

- Location of ST-8 was discussed. Due to the fact that the tailings facility has not yet been built, ST-8 will remain at its current location. HBML was to build a rock diffuser at the location once the ground was frozen.
- Location of ST-9 was also discussed. HBML proposed to take a single set of samples per year at the ST-9 location (with the first being in August 2009, and once a year therafter). The inspector said that a single set of measurements per year would be adequate to demonstrate no effect.

General observations by the inspector include:

- Status and condition of spill response kits. HBML action: All spill kits have been opened, reviewed, and updated where necessary.
- Labeling of drums containing waste. HBML action: New colour coded barrel labels with space for extra information are being used. Different colours identify hazardous from non-hazardous waste. Additional contractors have been brought to site to support waste labeling and tracking.

Appendix A

Letter from HBML to NWB dated April 21, 2009

NEWMONT
The Gold Company

Hope Bay Mining Ltd.
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V7P 3S1
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April 21, 2009

Nunavut Water Board
PO Box 119
Gjoa Haven, NU
X0B 1J0

Attention: Ms. Dionne Filiatrault, Executive Director

Dear Sirs and Mesdames:

Current Application of Doris North Type A Licence 2AM-DOH0713 (the "Water Licence")

Thank you for meeting with us in Ottawa on Friday, April 3, 2009, along with Stephanie Autut and Bill Tilleman, to discuss issues relating to the current application of the NIRB Project Certificate and the Water Licence in the context of the current facilities and activities at Hope Bay.

Following on your request, we are enclosing three documents for your consideration:

- a status report on facilities and activities permitted under the Water Licence;
- a summary of certain provisions of the Water License that are not applicable to HBML's current operations under the Type A Water License (given the deferral of the Doris North mine) and a marked copy of the Water License further delineating these requirements; and
- a summary of the status of commitments under the NIRB Project Certificate relating to issues of water use, water quality and waste control.

These summaries provide the Board with the status of the current facilities and activities related to the Doris North Project, and a summary of those provisions of the Project Certificate and the Water Licence that are applicable or non-applicable in the context of the deferral of the Doris North Project pending further advanced exploration with the intention of developing a belt-wide project.

It is important for us to be in compliance with those provisions of the Water Licence that are applicable to our current facilities and activities, and it is equally important for us to have a clear understanding with the NWB with respect to those provisions that are not currently applicable to our current circumstances. The purpose of this letter, the attached status report and summaries is to provide NWB with information regarding our current circumstances and more importantly, to ensure that we have a clear understanding of current licence requirements.

Please let us know as soon as possible if you disagree with our attached summaries, particularly with respect our conclusions as to those provisions of the Water Licence that are not currently applicable.

Sincerely yours,

Chris Hanks
Director, Environmental and Social Responsibility
Hope Bay Mining Ltd.

cc: Phyllis Beaulieu, NWB
Stephanie Autut, NIRB
Bill Tilleman

STATUS REPORT ON FACILITIES AND ACTIVITIES
UNDER WATER LICENCE 2AM-DOH0713 (DORIS NORTH)
PREPARED FOR THE NUNAVUT WATER BOARD

As the Water Board (along with other regulators and stakeholders) was advised by our letter of September 11, 2008, the Doris North project has been deferred pending further advanced exploration in the Hope Bay belt with the intention of developing options for a belt-wide project.

The Doris North Type A Water Licence permits mining, milling and associated activities for the Miramar Doris North Project. At this time Hope Bay Mining Ltd (HBML) activities on the Hope Bay belt involve advanced exploration to firm up the business case for a new HBML project, environmental work in support of the project and other related activities. HBML's program is supported by approximately 100+ workers on site at Doris Camp. HBML has committed to an advanced exploration program through June of 2009, but is currently assessing plans for drilling as late as the end of the year. The current drilling program is being conducted using standard technology with diamond drills and reverse circulating drills. HBML's advanced exploration is conducted under the terms of the Hope Bay and Boston Type B Water Licences. The Doris facilities are being used for accommodations for staff working on the exploration.

These activities were contemplated in our original Water License Applications and are permissible under the Boston, Hope Bay and Doris North Water Licenses.

Chapter 4 [Doris North Project Description] of the Doris North Project's Technical Report to FEIS submitted to NIRB June 2005 included various phases for the Project including: Planning for Mine Development, Exploration, Construction and Project Operations. Under Section 4.6 of the Project Description the Exploration phase included this description:

> MHBL exploration activity is being staged from its exploration camp on the east shore of Windy Lake, approximately 10 km west of the Doris North Project site. The Windy Camp will continue to act as the base of exploration on the Hope Bay belt until the proposed permanent accommodation camp at the Doris North Project site is complete. At that time (approximately the third quarter of 2007), all exploration personnel and activity will be transferred to the Doris North Project site. In the following winter (winter of 2007-2008) the Windy exploration camp will be fully decommissioned and the site reclaimed. All remaining material and equipment will be moved across the frozen tundra to the Doris North Project site.

Section 5.3 of the Doris North Project's Technical Report to FEIS emphasizes the objective to use Doris Camp as the central camp for activity on the belt, including work focused on development:

> Under this staged development approach, support infrastructure and waste management facilities would be centered at one site (Doris North), reducing the overall footprint of the infrastructure required for future development on the Hope Bay belt.

This transition from Windy to Doris Camps is largely completed. HBML is using the residential facilities at Doris Camp to support its advanced exploration operations as assessed in the Project Description.

Under the Project's April 2007 application for the Type A Water Licence, the FEIS and the Project Description were provided to the NWB and referenced in the Water Licence application Support Document. See for example Section 1.1 and 1.2 (introduction sections to Support Document) and Section 2.0 the Project Description, which further confirms that exploration activities would be conducted throughout each phase of the Project.

The following is a report on the status of the facilities and activities permitted under the Type A Water Licence. For ease of reference, the following is a list of facilities and activities referred to under Part A, paragraph 1 (scope) of the Water Licence, with an indication of the their status.

Facilities and Activities **Part A, paragraph 1**	**Status**
Use of water from Doris Lake	No water from Doris Lake has been used for mining and milling processes. Water from Doris Lake has been used for domestic purposes in the Doris Camp constructed in 2008. As we advised in our letter of February 24, 2009, we have experienced some algae problems with the water from Doris Lake, and are temporarily obtaining potable water from Windy Lake for the Doris Camp. We have submitted an application to amend the Type B Water Licence authorizing withdrawals from Windy Lake (Licence No. 2BE-HOP0712) to confirm the temporary use of water from Windy Lake in the Doris Camp.
Quarrying of materials from specified locations	We have quarried materials from Quarry 1, Quarry 2 and Quarry 4 for the purposes of building roads, an airstrip, camp pad and lay down areas. Each quarry operation is authorized under a Quarry Permit with KIA.
Development and operation of site facilities	The following site facilities have been built and are operating: Doris Camp, 900 meter airstrip, Roberts Bay Jetty and Doris Road and a 500 liter Tank Farm. These activities and facilities are authorized under the Water Licence. The Doris Camp was constructed in 2008 and is operational. The Camp currently provides accommodations for advanced exploration activities, environmental work and other related activities. The exploration activities are covered under the Hope Bay and Boston Type B Water Licences.
Construction of access and site road, air strip, water crossings and lay down areas	In 2008, we constructed a 900 meter airstrip along the road between Doris Camp and Roberts Bay. Under the Doris License we do not have water crossings. We have three lay down areas: one at Roberts Bay for the shop and maintenance areas; one along the road between Roberts Bay and Doris Camp, north of Quarry 2; one south of

	Doris Camp on the lower pad.
Construction of a temporary waste rock storage pad	We do not have a temporary waste rock storage pad because we do not have any waste rock from mining operations.
Construction and Operation of a STP	In 2008, we built the Sewage Treatment Plant (STP) that was described in the Environmental Assessment and authorized in the Type A Water Licence.
Construction and Operation of a Landfill and Landfarm	KIA has requested that we not build a Landfill. HBML has therefore not established a Landfill at this time. HBML has not constructed a Landfarm for treatment of hydrocarbon contaminated soil as it is not necessary at this time. Currently, HBML is shipping waste south for final treatment in a qualified facility or incinerating waste on site as permitted under the Water Licence. Our current operations, concentrated on advanced exploration, do not produce as much waste as was contemplated for the assessed mine operations.
Construction and Operation of a sedimentation pond and pollution control pond	HBML has not constructed either facility as they are not needed given the very limited infrastructure that has been constructed to date.
Management and disposal of wastes associated with the STP, sedimentation and pollution control ponds, Land fill and Landfarm, and other wastes as described in the application	Sewage sludge is currently being pressed to de-hydrate it and then, incinerated as per the criteria of the Type A Water Licence. Currently, we are shipping waste south for final treatment in a qualified facility or incinerating waste on site as permitted under the Water Licence.
Handling and storage of petroleum products and hazardous materials	Petroleum products and hazardous materials are being handled in accordance with HBML's Emergency Response and Contingency Plan, which is on file with NWB.
Construction of dams, spillway, and shoreline erosion control needed for Tail Lake	HBML has not constructed the Tailings Facility and is not using Tail Lake as a Tailings Impoundment Area. Currently, this permitted use is not applicable to HBML's operations.
Extraction of portal development rock. Waste rock and ore from underground via decline	HBML has not constructed underground infrastructure. Currently, this permitted use is not applicable to HBML's operations.
A mining rate of 720 tonnes per	HBML is not conducting mining operations. Currently, this

day of ore	permitted use is not applicable to HBML's operations.
A mill with a design milling throughput of 800 tonnes per day ore	HBML is not conducting mining operations. Currently, this permitted use is not applicable to HBML's operations.
Deposition of tailings into the Tailings Impoundment Area	HBML is not conducting mining operations. Currently, this permitted use is not applicable to HBML's operations.
Disposal of waste rock, including potentially acid generating rock and cyanide leach residue within underground workings	HBML is not conducting mining operations and does not have waste rock or cyanide leach residue to dispose. Currently, this permitted use is not applicable to HBML's operations.
Controlled discharge of effluent from the Tailings Impoundment Area to Doris Creek	HBML is not conducting mining operations and has not established the Tailings Impoundment Area. Currently, this permitted use is not applicable to HBML's operations.
The progressive reclamation of on-site facilities and infrastructure	HBML has not conducted mining operations and has not started progressive reclamation of infrastructure. Currently, this permit requirement is not applicable to HBML's operations. An up-to-date Closure Plan is maintained with the NWB.

SUMMARY OF THE CURRENT APPLICATION OF PROVISIONS OF THE TYPE A WATER LICENCE

By letter of January 13, 2009, we identified a number of clauses in the Water Licence that are not applicable to HBML's current operations. We have reattached our markings of these sections of the Water Licence and have provided a brief explanation of these changes below. In general, the clauses applying to mining and milling operations and tailing and waste management are not applicable as those facilities and activities are not currently being conducted. As well, the clauses applying to the land fill (Part G, Item 9) and the land farm (Part G, Item 14) are not applicable as those facilities have not been established.

Identification and description of Licence Conditions which are not currently applicable to HBML's operations.

Water Licence Provisions	Status
Part C, Item 2	This provision will be triggered by the start of ore processing – which has not yet occurred.
Part D, Item 24	No underground mining has commenced.
Part D, Item 26	No structures designed to contain, withhold, divert or to retain waters or wastes have been constructed.
Part D, Item 28	None of these structures have been constructed. The requirement is not applicable to our current operations.
Part E, Item 1	No water is being drawn from Doris Lake at this time for mining and milling uses. Doris Lake water is being used for domestic camp purposes (see discussion of algae problem) and for dust suppression and other incidental uses.
Part E, Item 2	There is no Tailings Impoundment Area at this time.
Part F, Item 1	A draft Water Management Plan was submitted with MHBL's application for the Water Licence. As mining and milling has not commenced and there is no Tailings Impoundment Area, HBML has not updated this plan. The provisions of the Water Management Plan relating to these facilities and operations are not yet applicable. Section F (1)(a) and (1)(b) are not applicable to our current operations. Section F (1)(c) is not applicable to a Pollution Control Pond because one has not been established.
Part G, Item 7	An Incineration Management Plan is being prepared at the moment as part of the material management plan. The duel chamber incinerator at Doris North is designed to meet the Canada-wide standards for dioxins,

	furans and mercury. The provision of this requirement that calls for compliance with Section G.9 is not applicable because HBML does not have a Landfill as KIA has not authorized HBML to establish a Landfill.
Part G, Item 9	There is no Landfill in operation at the current time. The KIA has not authorized HBML to construct a Landfill. Currently, we are shipping waste south for final treatment in a qualified facility or incinerating waste on site as permitted under the Water Licence. Our current operations, concentrated on advanced exploration, do not produce as much waste as was contemplated for the assessed mine operations.
Part G, Item 11	A Hazardous Materials Management Plan was submitted with MHBL's application for the Water Licence. Additionally, HBML has an Emergency Response and Spill Plan in place. These Plans are currently being updated to reflect current site operations. Hydrocarbons and potassium nitrate are the two most common substances that require management. Hazardous Materials such as sodium cyanide have not been brought to site because the mill has not yet been constructed. HBML has a waste generation number and all shipments are covered by TDG.
Part G, Item 14	There is not a Landfarm and therefore this condition is not applicable to our current operations. Currently, there are only insignificant volumes of contaminated soils to farm. Any small amounts of hydrocarbon contaminated soils are being barrelled and shipped south for treatment.
Part G, Item 15-18	HBML is not mining and as such, does not have any waste rock. These requirements are not applicable to our current operations.
Part G, Item 20	There is no Pollution Control Pond at this time. This requirement is not applicable to our current operations.
Part G, Items 22-31 inclusive	There is no Tailings Impoundment Area at this time. These requirements are not applicable to our current operations.
Part J, Items 2, 4, 8, 11, 12(b), (c), (d), (e), (g), 13, 15, 16, 17, 18(a), (c), (d), (g), (h), (k), (m), (n), (o), 20(a), (b), (c), (d), 21(b), (d), (e)	Each of these items is contingent upon the establishment and operation of the Tailings Impoundment Area, the Landfill, Landfarm and Pollution Control Pond, and other facilities which have not yet been constructed or put in operation. These requirements are not applicable to our current operations.
Part K, Item 5	A Monitoring and Follow-Up Plan was submitted with MHBL's application for the Water Licence. Most of the components of the

	Monitoring and Follow-Up Plan relate specifically to mining and milling effects and as such these requirements are not applicable to our current operations. The other components such as air quality, noise and wildlife are addressed in other plans applicable to current operations.
Part K, Item 6	Neither the Temporary Waste Pad nor the Pollution Control Pond has been established or put into operation. This requirement is not applicable to our current operations.
Part L	There is an Interim Reclamation and Closure Plan filed with NWB. Generally, since HBML is not currently undertaking mining operations, these provisions are not applicable; however, the requirements will be followed as appropriate for existing facilities, activities and infrastructure.
Schedule B, Items 3, 4, 5, 6, 7 and 10	The Tailings Impoundment Area and other facilities have not yet been constructed or put into operation and therefore, HBML is not able to provide or describe the listed items for its Annual Report.
Schedule D, Item 1(l)	This item is not applicable to our current operations as it only applies to the construction of the north and south dams.
Schedule J, Table 2	This item is not applicable to our current operations. Certain requirement for monitoring that relate to releases associated with the proposed mining and milling operations, such as monitoring discharges from the TIA, underground mine water, discharge from the Pollution Control Pond, are not applicable to our current operations.

STATUS OF COMMITMENTS UNDER THE NIRB CERTIFICATE RELATING TO ISSUES OF WATER USE, WATER QUALITY AND WASTE CONTROL

The following is a summary of the requirements in the NIRB Project Certificate relating to issues of water use, water quality and waste control and the status of those requirements as requested by the Water Board.

Project Certificate Numbered Commitments	**Status**
Tail Lake Water Quality and Water Management Strategy	
8 through 18	Requirement 8: HBML is in compliance with this requirement to install a weather station at the mine site. HBML has two meteorological stations operating on the Hope Bay Belt that meet this requirement – one at Doris Camp and the other at Boston Camp. Requirements 9-10: These requirements are not applicable to HBML's current operations because HBML is not using Tail Lake as a tailings impoundment area at this time. The Requirements are each conditioned upon "commencement of operation". Requirement 11: HBML is in compliance with this requirement to ensure that the monitoring information collected under the terms of the Project Certificate contain the listed information. Requirement 12: HBML is in compliance with this requirement to maintain and archive the results of its monitoring, data and analysis for the life of the Project. The information will also be incorporated into the new project information and monitoring data. Requirement 13: HBML is in compliance with this requirement to collect additional water quality data and incorporate the data into its model submitted to the NWB. The revised water quality model was submitted to the NWB as part of the water license application. HBML is now reviewing and will soon submit to the DFO and NIRB certain Doris North Aquatic Study Reports for 2006, 2007 and 2008 This will complete

	a commitment that was not complete at the time HBML assumed control of the Project. Requirement 14: HBML is in compliance with this requirement to collect precipitation, evaporation and run-off data to submit to the NWB. This data was provided as part of the Type A Water License application submitted to the NWB. Requirement 15: HBML is in compliance with this requirement to not allow the water discharged into Doris Creek to exceed the criteria set by the NWB. Because HBML has deferred the Doris North Project and its operations only involve advanced exploration, there is no water being discharged from the proposed tailings facility at Tail Lake to Doris Creek. Requirement 16: HBML's current operations are in compliance with this requirement to prevent any Tail Lake discharge in violation of the Project Certificate or other regulations as such may have a negative effect on wildlife, fisheries aquatics and human health. Because HBML has deferred the Doris North Project and its operations only involve advanced exploration, there is no water being discharged from the proposed tailings facility at Tail Lake to Doris Creek. Requirement 17: HBML is in compliance with this requirement. Requirement 18: HBML is in compliance with this requirement to submit to the NWB a program detailing the methodology for testing quarried rock for acid generation and metal leaching potential. HBML met this requirement as part of its Type A Water Licence application and is continuing to perform these analyses for new projects.
Appendix A relating to Water Quality	See Appendix C, Water Quality – TSS and Runoff below.
Appendix B	
Section 4.0 of the Project Certificate requires that HBML comply with or obtain all applicable licences, orders, permits and	HBML is complying with all applicable licences, orders, permits and directions in relation to its current activities.

directions identified in Appendix B and C.	
Appendix C - Commitments relating to water use, water quality and waste disposal	
Air Quality	
5. Apply water to roadways to reduce dust	In compliance
8. Submerge release of Tailings Deposition	Not applicable to HBML's current operations
Water Quality -TSS	
1. Install silk curtains in localized areas of permafrost degradation	Not applicable to HBML's current operations; commitment relates to TIA
2. Apply geo-textile materials or rip rap to areas where slumping is observed to stabilize the shoreline	Not applicable to HBML's current operations; commitment relates to TIA
Water Quality - Runoff	
3. Identifying and using quarry rock that has a low acid generation and metal leaching potential	HBML is identifying and using quarry rock that has a low acid generation and metal leaching potential.
4. Implementing industry best practice for explosive use, limiting residual nitrite and nitrite present in quarried and waste rock	HBML has implemented industry best practice methods for explosives use.
5. Completing winter construction of the roads and building pads which will mitigate the risk of sediment release during construction.	HBML has followed commitments respecting construction of roads and building pads to mitigate the risk of sediment release during construction.

6. Implementing industry best practice for sediment control and storm water management during and after construction to collect surface run-off, and discharging runoff to the tailings containment area, where the sediments would have the opportunity to settle out.	HBML is implementing industry best practices for sediment control and storm water management. Currently, HBML has not established a tailings containment area.
Permafrost	
1. Additional thermistors will be installed during construction.	Not Applicable to HBML's current operations.
2. Reading of thermistors will be included in routine site monitoring programs to ensure maintenance of permafrost integrity	Not Applicable to HBML's current operations.
Vegetation	
3. Implement dust suppression on airstrip and roads during snow/ice free period	In compliance
4. Apply water to roadways to reduce dust	In compliance
5. Install dust covers and sonic sprays to reduce dust	Not Applicable to HBML's current operations.
7. Re-contour closure landforms and placing materials so that final topography and site conditions are similar to other sites of same type in region	Not Applicable to HBML's current operations.
8. Allow and promote areas to revegetate	Not Applicable to HBML's current operations.

during operations and throughout mine life	
9. Use adaptive management approaches to ensure advances in revegetation research included in final closure planning	Not Applicable to HBML's current operations.
Grizzly Bear	
2-7, 10. Educate and reinforce proper waste management practices with site workers and visitors. Implement appropriate waste management protocols, including burning all food wastes in oilfield incinerator. Eliminate attractants (e.g. food waste, oil products) at landfill site. Fence landfill area appropriately. Burn waste oil in waste-oil furnaces or take off-site for recycling. On-going review of efficacy of waste management program and adaptive improvement.	In compliance
Health Services	
3. Have emergency response and contingency plans in place for possible medical evacuation	In compliance
Fish	
5. Design all water intake structures to meet DFO Freshwater Intake End-Of-Pipe Fish Screen Guidelines	In compliance
6. Install culverts to provide cross drainage	In compliance

along roadways. After mine closure, breach culverts and re-establish natural drainage and flow	
7. Construct single span bridge crossing Doris Outflow at north end of Doris Lake in winter	Not Applicable to HBML's current operations.
8. Follow federal blasting guidelines of Wright and Hopky (1998) and DFO guidelines for blasting in the Arctic	In compliance
10. Monitor water quality in Tail Lake prior to release, and decant water released to Doris Outflow to meet requirements of federal Metal Mining Effluent Regulations (MMER)	Not Applicable to HBML's current operations.
11. Monitor water quality at discharge release into Doris Outflow and downstream of the waterfall to meet requirements of Canadian Council of Ministers of the Environment (CCME)	Not Applicable to HBML's current operations.
Additional Commitments	
<u>DFO</u>	
1. Miramar will commit to place as much tailings as reasonable underground as backfill and conduct a mine and process engineering study to develop protocols for prioritizing material types and quantities to be placed underground. Miramar will give considerable weight to minimize impact of tailings on fish habitat	Not Applicable to HBML's current operations.

2. Miramar will monitor stage and discharge in Doris Outflow upstream and downstream of decant discharge point to provide accurate impact predictions on fish habitat downstream	Not Applicable to HBML's current operations.
7. Miramar commits to prepare a single comprehensive summary of tailings alternatives assessment, in consultation with DFO and EC, to use in regulatory phase for scheduling under MMER	In compliance
EC	
8. Miramar has committed to monitoring of operational permafrost thermistors in vicinity of North and South dams to ensure seepage conditions meet design criteria. Monitoring measures will be further defined in regulatory phase.	Not Applicable to HBML's current operations.
9. Miramar will update modelling of water quality and water management prior to start-up as further defined in regulatory phase, and under Water Licence	Not Applicable to HBML's current operations.
EC-INAC	
21. Miramar will commit to review internal aspects of water quality model relating to source release rates prior to regulatory phase and correct as necessary	In compliance

GN	
22. Miramar will update Hazardous Materials Management Plan as part of water license application to clarify issues in design and operation of landfarm to remediate any hydrocarbon contaminated soils, treatment of snowmelt and precipitation runoff collected in diesel fuel tank farm containment berm to remove oil prior to release	In compliance
23. MHBL will consult with GN DOE and EC to determine most appropriate methods and measured variables for monitoring during construction, operation and closure before final submission of WMMP	Ongoing Compliance
INAC	
29. Miramar commits to do all necessary site studies, thermal modelling and sensitivity analyses to ensure dam safety and stability, during regulatory phase and prior to construction	Not Applicable to HBML's current operations. There are no dams.
30. Miramar commits to develop a detailed Water Quality Data Analysis and Management Plan including procedures for: initial start up and ongoing calibration of analytical equipment; collection, preservation, storage and handling of samples; analytical procedures (e.g. standard	Not Applicable to HBML's current operations.

methods), checking for outliers; internal reporting and accountability for analytical data and follow-up actions	
31. Miramar commits to develop adaptive management plan to prevent and mitigate shoreline erosion as part of regulatory (water license) process	In compliance
32. When Doris North Mine is operating Miramar will initiate additional kinetic and static test work to further characterize acid generating – metal leaching potential of mine rock and tailings to provide additional data for adaptive management should conditions change or mine life be extended	Not Applicable to HBML's current operations.
<u>KIA</u>	
34. Miramar will commit to revisit TSS calculations and reassess as necessary	Ongoing Compliance
35. Miramar will commit that spill containment measures will be put in place to prevent ammonium nitrate spilt during handling being lost to groundwater or surface water runoff	Not Applicable to HBML's current operations.
36. Miramar will consider doing additional shoreline characterization of shoreline materials around Tail Lake, including possible drilling, test pitting, observations or geophysical testing necessary to complete	Not Applicable to HBML's current operations.

final detailed designs	
37. Miramar is committed to do all necessary and reasonable monitoring after closure to ensure compliance to regulatory permits	Not Applicable to HBML’s current operations.
38. Miramar will consider doing additional dam foundation characterization, including drilling, test pitting, observations or geophysical testing to complete final detailed designs	Not Applicable to HBML’s current operations.