

Sept 21, 2009

Technical Advisor – Mining
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0

**Re: August 2009 – Monthly Monitoring Report for Water License 2BE-BOS0712 under Part J
– Items 2 – 8 and 11 - 14.**

Following is the monthly report for August 2009 as required under Water License 2BB-BOS0712. Boston Camp facilities were shut down May 25/09. The camp will not be reopened until installation of the new Sewage Treatment Plant (STP) is completed in 2010.

Hope Bay Mining Ltd. (HBML) was not able to conclude the installation of the new STP in 2009 due to problems with the Boston Camp electrical system that could not be immediately cured. The planning for upgrading the electrical system is currently being undertaken and will be implemented in 2010 once the ice strip is available to resupply Boston. It is currently planned to fly workers from Doris to do the Boston electrical upgrade and STP implementation. Once the systems are in place the camp will be reopened. HBML does not currently intend to try and restart the existing STP as even with steps taken over the last year to optimize STP operation, it has not been possible to run the existing system in compliance with the Water Licence.

1. PART J: ITEM 2

Sampling was not conducted during the month at monitoring station BOS-2 as no discharge occurred during the period.

2. PART J: ITEM 3

No samples were collected at BOS-3 or BOS-4 during August as the camp closed operations on May 25/09.

3. PART J: ITEM 4

No toxicity testing was conducted during the month at monitoring station BOS-4 as the camp closed operations on May 25/09 and insufficient sewage effluent at the point prior to entry into Aimaoktatuk Lake is available for sampling at this location.

4. PART J: ITEM 5

No sampling was conducted during the month of August at BOS-5 (Bulk Fuel Storage) or BOS-6 (Landfarm Treatment Facility) as there was no discharge from these facilities. Flow was observed at monitoring station BOS-7 (Landfill Leachate) and this location was sampled Aug 4/09 for the parameters required under the licence. Results are provided in Table 1.

It should be noted that monitoring point BOS-7 is listed as Landfill Leachate. **HBML does not have an operating landfill at the Boston Camp.** HBML opportunistically samples BOS-7 to determine if any

runoff from the contributing catchment is being impacted by camp operations. HBML has not detected any water quality parameters that suggest that runoff is being impacted by camp operations.

Table 1. Sampling results for Monitoring Station BOS-7, August 2009

Parameters	BOS-7	Remarks
ALS Lab Reference #	L801272-1	License # 2BB-BOS0712
Field Sample Details	BOS-7	Part J: Item 5
Sample Date/Time	August 4, 2009 10:00am	Part J: Item 5
pH	7.75	-
Oil & Grease	<1.0	-
Oil & Grease (Visibility)	No visible sheen	-
Benzene	<0.00050	-
Toluene	<0.00050	-
Ethylbenzene	<0.00050	-
Xylene	<0.00050	-
F1 (C6-C10)	<0.10	-
F1 (BTEX)	<0.10	-
F2 (C10-C16)	<0.25	-
Acenaphthene	<0.000010 *	-
Acridine	<0.000010	-
Anthracene	<0.000010	-
Benzo(a)anthracene	<0.000010	-
Benzo(a)pyrene	<0.000010	-
Benzo(b&j)fluoranthene	<0.000010	-
Benzo(k)fluoranthene	<0.000010	-
Chrysene	<0.000010	-
Dibenzo(a,h)anthracene	<0.000010	-
Fluoranthene	0.000018	-
Fluorene	0.000029	-
Indeno(1,2,3-cd)pyrene	<0.000010	-
Naphthalene	0.000016 *	-
Phenanthrene	0.000069 *	-
Pyrene	0.000016	-
Quinoline	<0.000010	-
Total Phenols (4AAP)	<0.0010	-
Conductivity (EC)	4240	-
Total Hardness (as CaCO ₃)	Not reported	-
Nitrate-Nitrite as N	26.9	-
Nitrate (as N)	26.8	-
Nitrite (as N)	0.063	-
Calcium	497	-
Potassium	27.7	-
Magnesium	65.1	-
Sodium	99.5	-
Sulphate	494	-
Total Alkalinity (as CaCO ₃)	79.4	-
Total Arsenic	0.602	-
Total Cadmium	0.00021	-
Total Chromium	0.0131	-
Total Copper	0.0088	-
Total Nickel	0.002	-
Total Lead	1.03	-
Total Iron	0.018	-
Total Mercury	<0.00010	-

5. PART J: ITEM 6 AND PART J: ITEM 7

Opportunistic sampling occurred for the parameters required under this part at BOS-8 and one additional adjacent site (BOS-8b) where seepage was observed. The results will be analyzed and considered under the 2009 Boston Ore/Waste Rock Management Plan.

6. PART J: ITEM 8

On-ice drilling on Spyder Lake (Aimaoktatuk Lake) was completed in March 2009. No water samples were collected in the month of August.

7. PART J: ITEM 11

No domestic or drilling water usage occurred pertaining to this licence for the month of August.

8. PART J: ITEM 12

No minewater, per Part D: Item 7 was pumped from underground to containment pond BOS-2 during the month. Sampling of accumulated water from the portal on the south camp boundary was conducted in June using the criteria for monitoring station BOS-2. All parameters met the water quality criteria of the licence for discharge. Results for this sampling were provided in the June monthly report. A notification of any discharges planned from this location will be provided in accordance with the licence.

9. PART J: ITEM 13

No sewage effluent discharge occurred at monitoring station BOS-3 in the month of August, as the camp was not open.

10. PART J: ITEM 14

No removal of sewage sludge occurred in August as the Sewage Treatment Facility is not operational.

11. INCIDENT REPORTING

No incidents were reported pertaining to Licence 2BB-BOS0712 for the period.

Should there be any questions regarding the monthly report for August 2009, please contact Chris Hanks, Director, Environment and Social Responsibility, Hope Bay Mining Limited on phone number: 720-917-4489 or email: Chris.Hanks@Newmont.com

Yours sincerely,

Chris Hanks

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