

November 5, 2009

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

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

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

**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 September 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 September at BOS-5 (Bulk Fuel Storage) or BOS-6 (Landfarm Treatment Facility) as there was no discharge to the environment from these facilities. Effluent from BOS-5 was pumped for temporary containment to BOS-2 where it will be sampled in accordance with the criteria of the licence for BOS-5 prior to any planned discharges. Flow was not observed at BOS-7 during the period, therefore no sampling was undertaken.

In the last monthly report for August 2009, regarding sampling at station BOS-7, a figure had been omitted by the lab for Total Hardness. This was corrected with the lab and the data is presented in Table 1.

Table 1. Corrected Sample Analysis Results for 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
Total Hardness (as CaCO <sub>3</sub> )	1800	-

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

No opportunistic sampling occurred for the parameters required under this part at BOS-8 during the period.

## 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 September.

## 7. PART J: ITEM 11

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

## 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 September 24/09 utilizing the parameters for BOS-2 under Part D: Item 8. Results were obtained, and a notification was made to the Inspector on Oct 2/09 of the intent to discharge. Results of the sampling are provided in Table 2. Pumping from the portal to BOS-2 occurred in October 2009 and will be reported in that monthly SNP report.

Table 2. Sample Analysis Results for Boston Portal, September 2009

Parameter/SNP Sites	Boston Portal	Boston: 2BB-BOS0712	
ALS Lab Reference #	L823628-1	Maximum Average Concentration (mg/L)	Maximum Concentration of any Grab Sample (mg/L)
Field Sample Details	BOS-Portal	Part J: Item 2	Part J: Item 2
Sample Date/Time	Sept 24/09 4:40pm	Part D: Item 8	Part D: Item 8
Total Arsenic	0.162	0.5	1.00
Total Copper	0.0074	0.3	0.60
Total Lead	0.00044	0.2	0.4
Total Nickel	0.17	0.5	1.00
Total Zinc	0.0303	0.5	1.00
Total Suspended Solids	7	25	50.0
Oil and Grease	nvs*	-	No visible sheen
pH	7.75		Between 6.0 and 9.5

\*nvs = no visible sheen

## 9. PART J: ITEM 13

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

## 10. PART J: ITEM 14

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

## 11. INCIDENT REPORTING

One incident was reported during the period pertaining to Licence 2BB-BOS0712.

1. Sept 17/09 Level 1 (Insignificant). Contractors performing work on a communications tower at Boston Camp conducted unauthorized vehicle use on the tundra between the established road to the airstrip and the tower. The area of potential impact was estimated to be a track over a distance of approx. 300m. Site environmental staff attended the area Sept 19/09, but no damage was observed. Site Operations assigned a supervisor for on-going oversight for the remaining work duration and no further incidents occurred.

Should there be any questions regarding the monthly report for September 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](mailto:Chris.Hanks@Newmont.com)

Yours sincerely,

**Bill Patterson**

Environmental Compliance Manager

On Behalf of

**Chris Hanks**

Director, Environment and Social Responsibility  
Hope Bay Mining Limited