

January 12, 2011

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

**Re: December 2010 – Monthly Monitoring Report for Water License 2BB-BOS0712 under Part J – Items 2 – 8 and 11 - 14.**

Following is the monthly report for December 2010 as required under Water License 2BB-BOS0712. Boston Camp facilities were shut down May 25/09 and re-opened June 15, 2010 at reduced staffing levels while modifications to the Sewage Treatment Plant (STP) were being completed.

**1. PART J: ITEM 2**

Sampling was not conducted during the month at monitoring station BOS-2 (Containment Pond), as no discharge occurred during the period.

**2. Part J: ITEM 3**

Samples were collected at the Sewage Treatment Plant station BOS-3 during December. Table 1 below shows the results for samples collected December 3, 2010. Samples were not collected from BOS-4 as this station has insufficient effluent for sampling and the area is frozen. Effluent quality from the Sewage Treatment Facility was compliant for all parameters.

Table 1. Sampling Results in mg/L for Monitoring Station BOS-3, December 2010

Parameters	BOS-3	License # 2BB-BOS0712 Part D: Item 17
ALS Lab Reference #	L960154-1	
Field Sample Details	BOS-3	
Sample Date/Time	Dec 3/10@ 0800 hrs	
BOD <sub>5</sub>	4.0	80.0 mg/l
Total Suspended Solids	21.0	100.0 mg/l
Faecal Coliform	2.5	10,000 CFU/100ml
Oil and Grease (visibility)	No visible sheen	No visible sheen
Oil and Grease	1.4	-
pH	6.70	6.0 – 9.5 pH unit

**3. PART J: ITEM 4**

No Toxicity testing was conducted during December.

**4. PART J: ITEM 5**

No discharge from BOS-5 (Bulk Fuel Storage) occurred during this period.

No sampling was conducted at BOS-6 (Landfarm Treatment Facility) as there was negligible effluent accumulated in the berm and no discharge to the environment from this facility.

No samples were collected at sampling station BOS-7 during the month, as no water was observed at this location.

These facilities are all frozen for the winter season.

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

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

**6. PART J: ITEM 8**

On-ice drilling samples were not collected as no drilling was conducted pertaining to this licence during the period.

**7. PART J: ITEM 11**

No water usage for drilling occurred pertaining to this licence for the month of December. Domestic water used during December is detailed in Table 2.

Table 2: Water Usage in cubic meters (m<sup>3</sup>), December 2010

Parameters	Domestic Usage BOS-1 (m <sup>3</sup> )	2BB-BOS0712
Water Source	Spyder Lake	Compliance Values
Annual Cumulative	970.38	
Monthly Cumulative	55.10	3,100 m <sup>3</sup> monthly
Volume Average (Daily)	1.77	100 m <sup>3</sup> daily
Maximum	2.72	100 m <sup>3</sup> daily
Minimum	1.13	100 m <sup>3</sup> daily

**8. PART J: ITEM 12**

No minewater was pumped from underground (Boston Portal) during the month.

**9. PART J: ITEM 13**

Sewage effluent discharge occurred at monitoring station BOS-3 in the month of December. The results of samples collected from this discharge are shown in Table 1 above. The volume discharged is shown in Table 3 below.

Table 3: Treated Sewage Effluent released in cubic meters (m<sup>3</sup>), December 2010

Parameters	BOS-3 (m <sup>3</sup> )	2BB-BOS0712
Annual Cumulative	422.09	-
Monthly Cumulative	32.09	-
Volume Average (Daily)	1.035	-
Maximum	3.3	-
Minimum	0.0	-

**10. PART J: ITEM 14**

No removal of sewage sludge occurred in December at the Sewage Disposal Facility.

**11. INCIDENT REPORTING**

No incidents occurred during the month pertaining to this licence.

Should there be any questions regarding the monthly report for December 2010, 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,

**Chris Hanks**

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Hope Bay Mining Limited