

August 9, 2010

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

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

Following is the monthly report for June 2010 as required under Water License 2BB-BOS0712. Boston Camp facilities were shut down May 25/09 and re-opened June 15/10 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

No samples were collected at BOS-3 or BOS-4 during June as the camp was just opening for the season and no effluent was available at these locations for sampling. Greywater generated from shower and kitchen facilities at the camp during the interim opening period was retained in a holding tank pending the commissioning of the Sewage Disposal Facility.

3. PART J: ITEM 4

No toxicity testing was conducted during the month at monitoring station BOS-4 as the Sewage Disposal Facility is not operational and insufficient sewage effluent at the point prior to entry into Aimaoktatuk Lake was available for sampling at this location.

4. PART J: ITEM 5

Sampling was conducted on June 10/10 at BOS-5 (Bulk Fuel Storage). The effluent met the licence criteria for discharge for all parameters with the exception of lead. The effluent in this location was pumped to the Containment Pond BOS-2 for treatment. This effluent will be re-sampled for the parameters pertaining to sampling station BOS-5 post-treatment to determine compliance prior to any discharge from the facility.

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 flow was observed at sampling station BOS-7 during the period.

Table 1. Sampling Results for Monitoring Stations BOS-5, BOS-6 and BOS-7, June 2010

Parameters	BOS-5	BOS-6	BOS-7	Remarks
ALS Lab Reference #	L896767-1	-	-	License # 2BB-BOS0712
Field Sample Details	BOS-5	BOS-6	BOS-7	Part D: Item 21
Sample Date/Time	June 10/10 8:45	-	-	Part J: Item 5
pH	7.93	-	-	Between 6 - 9.5 pH units
Oil & Grease	<1.0	-	-	15 mg/L
Oil & Grease (Visibility)	nvs*	-	-	No visible sheen (NVS)
Benzene	<0.00050	-	-	0.370 mg/L
Toluene	<0.00050	-	-	0.002 mg/L
Ethylbenzene	<0.00050	-	-	0.090 mg/L
Xylene	0.00070	-	-	-
F1 (C6-C10)	<0.10	-	-	-
F2 (>C10-C16)	<0.10	-	-	-
F3 (C16-C34)	0.25	-	-	-
F4 (C34-C50)	<0.25	-	-	-
Phenols (4AAP)	0.0112	-	-	-
Conductivity (EC)	527	-	-	-
Total Hardness (as CaCO ₃)	222	-	-	-
Nitrate-Nitrite as N	1.05	-	-	-
Nitrate (as N)	1.05	-	-	-
Nitrite (as N)	<0.050	-	-	-
Calcium	54	-	-	-
Potassium	5.75	-	-	-
Magnesium	18.4	-	-	-
Sodium	6.7	-	-	-
Sulphate	166	-	-	-
Total Alkalinity (as CaCO ₃)	64.0	-	-	-
Total Arsenic	0.273	-	-	-
Total Cadmium	0.000080	-	-	-
Total Chromium	<0.0050	-	-	-
Total Copper	0.0138	-	-	-
Total Nickel	0.178	-	-	-
Total Lead	0.00924	-	-	0.001 mg/L
Total Iron	0.247	-	-	-
Total Mercury	<0.00010	-	-	-

*nvs = no visible sheen

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

No opportunistic 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 winter drilling was conducted pertaining to this licence.

7. **PART J: ITEM 11**

No water usage for drilling occurred pertaining to this licence for the month of June. Domestic water usage started June 15/10 to open the camp and consumption is detailed in Table 2.

Table 2. Water Usage in cubic meters (m³), June 2010

Parameters	Domestic Usage BOS-1 m ³	Total Usage m ³	2BB-BOS0712
Water Source	Spyder Lake		Compliance Values
Monthly Cumulative	30.72	30.72	3,100 m ³ monthly
Volume Average (Daily)	2.19	2.19	100 m ³ daily
Maximum	4.75	4.75	100 m ³ daily
Minimum	0.05	0.05	100 m ³ daily

8. PART J: ITEM 12

No mine water, per Part D: Item 7 was pumped from underground to containment pond BOS-2 during the month.

9. PART J: ITEM 13

No sewage effluent discharge occurred at monitoring station BOS-3 in the month of June, as the camp was open only at minimal staffing levels for construction and start-up of the Sewage Disposal Facility. Disposable toilet facilities were used to manage human waste and this waste was burned in the incinerator.

10. PART J: ITEM 14

No removal of sewage sludge occurred in June as the Sewage Disposal Facility was not operational.

11. INCIDENT REPORTING

No incidents occurred during the month pertaining to this licence.

Should there be any questions regarding the monthly report for June 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

Yours sincerely,

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On behalf of:

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