

April 22, 2009

Technical Advisor – Mining
Nunavut Water Board
P.O. Box 119
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Re: March 2009 –Monthly Monitoring Report for Water License 2AM-DOH0713

Following is the monthly report for March 2009 as required under Doris Water License No/Type 2AM-DOH0713 Type “A”. The license was issued on September 19, 2007 and will expire on September 30, 2013. The water license is specific for Mining and Milling and associated uses. The quantity of water usages shall not exceed 480,000 cubic meters annually.

This monthly report provides information on Part E (Conditions applying to Water Use) Item 1, Part G (Conditions applying to Waste Management and Waste Management Plans) Item 3, and Part H (Conditions applying to modifications).

Other conditions stipulated in license refer specially to mining and milling processes. These facilities have not been constructed and therefore, no monitoring has taken place at site to comply with conditions outlined in the water use permit.

1. Part E: Item 1.

a. DORIS CAMP WATER USAGE – SNP STATION ST-7

During the month of March 2009, Doris Camp was in operation for the entire month. The water extraction pump is located on the North shore of Doris Lake (ST-7). All usage values were within licence requirements. Table 1 provides the water volumes used from ST-7 between March 1 and 5 2009. Potable water was trucked to Doris Camp holding tanks from Windy Lake commencing March 5/09 due to water quality (algae bloom) issues in Doris Lake. Water volumes extracted from Windy Lake for domestic use at Doris Camp have been reported in the March monthly report for Licence 2BE-HOP0712.

Table 1: Water usage in cubic meters (m³) for Monitoring Station ST-7, March 2009

Parameters	ST-7	2AM-DOH0713
Water Source	Doris Lake	Compliance Values – Part E: Item 1
Annual Consumption to Date	1033.13	480,000 m ³ Annual
Monthly Cumulative	96	40,000 m ³ monthly
Volume Average (Daily)	24	1,333 m ³ daily
Median	24	1,333 m ³ daily
Maximum	24	1,333 m ³ daily
Minimum	24	1,333 m ³ daily

b. WATER SAMPLING MONITORING PROGRAM

During the month of March 2009, water samples were collected four times at monitoring station ST-7 and ST-8. SNP ST-9 was not sampled as HBML is still working with INAC to agree on the appropriate alternative location as the current location does not hydrologically connect with 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 will need to be resolved in order to monitor compliance with the licence.

Results

Doris Lake raw water samples were collected from monitoring station ST-7 located within the main building complex. This sampling point is located just before the main water filtration system and UV treatment equipment. All analytical data from this sampling point is reported in Table 2.

Sampling point ST-8 is located within the Doris Camp Sewer Treatment Plant, which is located directly east of the main building complex. Effluent samples were collected from a tap on the discharge line to the tundra at a location installed after the addition of a UV disinfection system (ST-8A). All data reported for February at SNP ST-7 and ST-8A is within the regulatory compliance values for all parameters. Table 2 provides weekly sampling data as per Water Use Permit 2AM-DOH0713.

Table 2: Water Quality Data Summary for ST-7 and ST-8 Monitoring Stations, March 2009

Parameter/SNP Sites	ST-7	ST-8A	ST-9 ¹	Doris: 2AM-DOH0713
ALS Lab Reference #	L738271-1	L738271-2		Maximum Average Concentration (mg/L)
Field Sample Details	ST-7	ST-8A	ST-9	Part G: Item 3
Sample Date/Time	March 2, 2009	March 2, 2009	-	(b)
BOD ₅	<2	<2	-	80 mg/L
TSS (mg/L)	<3	<3	-	100 mg/L
Fecal Coliform	<1	<1	-	10,000 CFU/100mL
pH (pH unit)	7.2	7.5	-	Between 6-9
Oil & Grease (Visibility)	nvs	nvs	-	NVS
Oil & Grease (mg/L)	<1	<1	-	5
ALS Lab Reference #	L740753-1	L740753-2		Compliance Values
Field Sample Details	ST-7	ST-8A	ST-9	Part G: Item 3
Sample Date/Time	March 9, 2009	March 9, 2009	-	(b)
BOD ₅	<2	2	-	80 mg/L
TSS (mg/L)	<3	<3	-	100 mg/L
Fecal Coliform	<1	<1	-	10,000 CFU/100mL
pH (pH unit)	7.6	6.8	-	Between 6-9
Oil & Grease (Visibility)	nvs	nvs	-	NVS
Oil & Grease (mg/L)	6	2	-	5
ALS Lab Reference #	L742818-1	L42818-3		Compliance Values
Field Sample Details	ST-7	ST-8A	ST-9	Part G: Item 3
Sample Date/Time	March 16, 2009	March 16, 2009	-	(b)
BOD ₅	2	24	-	80 mg/L
TSS (mg/L)	<3	<3	-	100 mg/L
Fecal Coliform	<1	<1	-	10,000 CFU/100mL
pH (pH unit)	7.8	7.6	-	Between 6-9
Oil & Grease (Visibility)	nvs	nvs	-	NVS
Oil & Grease (mg/L)	<1	2	-	5
ALS Lab Reference #	L745380-1	L45380-2		Compliance Values
Field Sample Details	ST-7	ST-8A	ST-9	Part G: Item 3
Sample Date/Time	March 23, 2009	March 23, 2009	-	(b)
BOD ₅	<2	<2	-	80 mg/L
TSS (mg/L)	<3	<3	-	100 mg/L
Fecal Coliform	<1	<1	-	10,000 CFU/100mL
pH (pH unit)	7.7	6.7	-	Between 6-9
Oil & Grease (Visibility)	nvs	nvs	-	NVS
Oil & Grease (mg/L)	<1	<1	-	5

¹ Sampling was not done due to misunderstanding of the exact location for drainage before entry into Glenn Lake. No suitable sampling site could be found.

2. Part G: Conditions applying to Waste Management and Waste Management Plans (Item 3b)

a. Part G: Item 3e (Treated Sewage Effluent Release in cubic meters)

Table 3 shows cumulative treated effluent released from the Doris Membrane Plant at SNP ST-8.

Table 3: Treated Sewage Effluent release in cubic meters (m³) through Doris Membrane Plant (ST-8), March 2009

Parameters	Doris Membrane Plant ST-8
Water Source	Doris Lake
Annual Cumulative	1313 m ³
Monthly Cumulative	509 m ³
Volume Average (Daily)	16 m ³
Median	16 m ³
Maximum	27 m ³
Minimum	9 m ³

During the month of March, sludge was pressed 12 times from the membrane plant resulting in the removal of approx. 1.36 m³ of sludge from the plant. Sludge pressed was sent for incineration.

3. Environmental Incident Reporting

A total of 3 environmental incidents were reported during the month of March. A summary of these incidents is provided below:

1. March 9, 2009: Level 1 (Insignificant) Drips of P50 were reported coming from the fuel module at the pump house at Roberts Bay fuel facility. A bucket was placed under the drip until replacement parts could be ordered to repair the dispenser. This part was repaired March 30/09.
2. March 25, 2009: (Near Miss) A near miss occurred when a hose snapped on a Tidy Tank fueling nozzle in the back of the flatbed being used by BBE. The tank was not being used but had not been removed from the truck. Less than 1L of fuel spilled on the truck bed and worker coveralls, but none spilled on to the ground. The spill was cleaned up. The tank has been removed from the truck.
3. March 30, 2009: Level 1 (Insignificant) Two small leaks occurred during testing/start-up of the RC drill under controlled circumstances at Rob Bay. Contaminated snow was cleaned up. The drill is presently being worked on by mechanics to rectify the issue. No further action required.

Further to the incident reported last month of grease presence detected in one of the camp drinking water supply tanks, Golder Associates was requested to conduct a site investigation and independent sampling program. Sampling for hydrocarbon contamination was undertaken in Doris Lake and throughout the camp water supply system to determine the potential source of the grease, and identify if any spill had occurred in Doris Lake associated with on ice drilling activities there. The final report has been received from Golder and is available for review.

HBML does not have reason to believe that a spill of hydrocarbons, that would have an impact on human health or aquatic life, has occurred at Doris Lake. HBML is in the process of developing water hauling procedures to reduce the probability of grease entering the potable water tanks. HBML will perform a follow-up sampling program as suggested by Golder Associates.

Should there be any questions regarding the monthly report for March 2009, please contact Chris Hanks, Director, Environment and Social Responsibility, Hope Bay Mining Limited on phone number: 1-720-917-4489 or email: Chris.Hanks@Newmont.com

Yours sincerely,

Chris Hanks

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