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May 28, 2013

Phyllis Beaulieu, Manager of Licensing Nunavut Water Board P.O. Box 119 Gjoa Haven, NU X0B 1J0

Re: May 2013 - Monthly Monitoring Report for Water Licence 2AM-DOH0713

This report is comprised of monitoring requirements as set out in Schedule J of water licence 2AM-DOH0713 and additional requirements from AANDC. Licence items include:

- Part D (Conditions Applying to Construction) Items 7 and 19;
- Part E (Conditions applying to Water Use) Item 1;
- Part G (Conditions Applying to Waste Management and Waste Management Plans) Items 3(e) and 3 (b), Item 21 (a) and 22 (e);
- Part J (Conditions Applying to General and Aquatic Effects Monitoring) Items 12 and 14.

Other monitoring requirements stipulated in the licence refer to facilities that have not been constructed. Doris Camp was opened on March 25th, 2013 in a care and maintenance phase with water management, drill exploration, and environmental compliance being the focus of current activities.

Part D: Conditions Applying to Construction

Item 7. Construction Monitoring

Construction activities did not take place this month.

Item 19. Surface Runoff Effluent Quality Limits

Surface runoff samples from construction as part of the Waste Rock and Ore, and Quarry Monitoring Management Plans was undertaken by SRK for runoff that has the potential to directly or indirectly enter a waterbody. The results of the SRK sampling program will be included in the annual reports.

Turbidity checks were conducted daily during periods of melt along areas that had been constructed in 2012 including the diversion berm, sumps, north dam and vent raise. No turbid runoff with the potential to reach a water body was noted.

Part E: Conditions Applying to Water Use

Item 1: Water Usage

There was no water usage from Doris Lake this month (Table 1). However, water quality samples were collected and results are presented in Table 2. Water for camp use was instead withdrawn from Windy Lake as permitted. Quantities of water extracted, along with Windy Lake water quality results, are presented in the 2BE-HOP1222 monthly monitoring report.



Table 1: Water Usage for Doris North (m³), April 2013

Parameters	Water Use	
Water Source	Doris Lake	
Geographical Coordinates	68°8'17.04" N, 106°36'52.68"W	
Monthly Cumulative	0 m^3	
Annual Cumulative	0 m^3	
2AM-DOH0713 Permitted Water Volume (Total Annual)	480,000m³	

Schedule J: Water Quality Monitoring at Water Intake

Monthly compliance samples, in accordance with Schedule J requirements of the licence, were taken from monitoring station ST-7 (Table 2).

Table 2: Monthly Compliance Sample Results for SNP Monitoring Station ST-7, May 2013

	Sample ID	ST7-01MAY13
	ALS ID	L1296417-1
Sampl	01MAY13 09:30	
Parameter	Unit	Results
Conductivity (EC)	uS/cm	357
Hardness (as CaCO3)	mg/L	66.1 *
рН	рН	7.73
Total Suspended Solids	mg/L	4
Ammonia, Total (as N)	mg/L	< 0.050
Nitrate (as N)	mg/L	< 0.050
Nitrite (as N)	mg/L	< 0.050
Orthophosphate-Dissolved (as P)	mg/L	0.0011
Phosphorus (P)-Total	mg/L	0.043
Cyanide, Total	mg/L	< 0.0050
Cyanide, Free	mg/L	< 0.0050
Aphanizomenon (Cyanophyceae)	cells/mL	72300
Total cyanobacterial cell count	cells/mL	82900
Limnothrix (Cyanophyceae)	cells/mL	1510
Planktolyngbya (Cyanophyceae)	cells/mL	9040
Aluminum (Al)-Total	mg/L	0.0069
Antimony (Sb)-Total	mg/L	< 0.00040
Arsenic (As)-Total	mg/L	< 0.00040
Barium (Ba)-Total	mg/L	0.0032
Beryllium (Be)-Total	mg/L	< 0.0010
Boron (B)-Total	mg/L	< 0.050



	Sample ID	ST7-01MAY13
	ALS ID	L1296417-1
Samp	ole Date/Time	01MAY13 09:30
Parameter	Unit	Results
Cadmium (Cd)-Total	mg/L	< 0.000010
Calcium (Ca)-Total	mg/L	11.2
Chromium (Cr)-Total	mg/L	< 0.0010
Cobalt (Co)-Total	mg/L	< 0.0020
Copper (Cu)-Total	mg/L	0.0018
Iron (Fe)-Total	mg/L	0.021
Lead (Pb)-Total	mg/L	< 0.00010
Lithium (Li)-Total	mg/L	< 0.010
Magnesium (Mg)-Total	mg/L	7.65
Manganese (Mn)-Total	mg/L	0.0048
Mercury (Hg)-Total	mg/L	< 0.000020
Molybdenum (Mo)-Total	mg/L	< 0.0050
Nickel (Ni)-Total	mg/L	< 0.0020
Potassium (K)-Total	mg/L	2.56
Selenium (Se)-Total	mg/L	< 0.00040
Silver (Ag)-Total	mg/L	< 0.000020
Sodium (Na)-Total	mg/L	35.4
Thallium (Tl)-Total	mg/L	< 0.00010
Tin (Sn)-Total	mg/L	< 0.050
Titanium (Ti)-Total	mg/L	< 0.0010
Uranium (U)-Total	mg/L	< 0.00010
Vanadium (V)-Total	mg/L	< 0.0010
Zinc (Zn)-Total	mg/L	0.0141
Calcium (Ca)-Dissolved	mg/L	12.3
Magnesium (Mg)-Dissolved	mg/L	8.61
Oil and Grease	mg/L	<1.0
Oil And Grease (Visible Sheen)		No visible sheen present
Microcystin	ug/L	0.31
BOD5	mg/L	3
Fecal Coliforms	CFU/100mL	*

^{*}Sample had exceeded hold time on receipt by laboratory and was not analyzed.

Part G: Conditions Applying to Waste Management and Waste Management Plans.

Item 1: Condition to Provide Notice of a Planned Discharge

On May 21, 2013 AANDC and the NWB were provided with a discharge notification for the discharge of ST4, ST5, ST6A, and ST6B





Item 3(b): Conditions applying to sewage effluent quality

Monthly compliance samples, in accordance with Schedule J requirements of the licence, were taken from monitoring station ST-8B (Table 3). At the request of the inspector, samples were collected weekly at ST6B for 6 weeks from the start of discharge. Although some grab samples had values outside of the allowable average concentrations for pH (1 instance) and Oil and Grease mg/L (2 instances), average concentrations met discharge criteria and no maximum allowable grab sample concentrations were exceeded.

Table 3: Monthly Compliance Sample Results for SNP Monitoring Station ST-8B, May 2013

Sai	mple ID	D Part G Item 3 (b)		ST8B- 01MAY13	ST8B- 08MAY13
ALS ID Sample Date/Time		Maximum Average Concentration	Maximum Allowable Grab Sample Concentration	L1296417- 3	L1299067- 1
			Concentiation	01-05-2013 9:30	08-05-2013 9:00
Parameter	Units				
рН	рН	6.5 - 9.0	9	7.68	6.38
Total Suspended Solids	mg/L	100	100	<3.0	<3.0
Biochemical Oxygen Demand	mg/L	80	80	<2	7
Oil and Grease	mg/L	5	10	3.5	1.7
Oil And Grease (Visible		No Visible	No Visible	No Visible	No Visible
Sheen)		Sheen	Sheen	Sheen	Sheen
Fecal Coliform	CFU/ 100mL	10,000	10,000	*	<1

^{*}Sample had exceeded hold time on receipt by laboratory and was not analyzed. Bolded results above indicate the results exceed compliance criteria.



Table 3: Monthly Compliance Sample Results for SNP Monitoring Station ST-8B, May 2013 Continued

Sample ID ALS ID		ST8B- 15MAY13	ST8B- 22MAY13	ST8B- 29MAY13
		L1302235-2	L1305158- 2	L1308596- 1
Sample Date/Time		15-05-2013 10:15	22-05-2013 9:00	29-05-2013 9:00
Parameter	Units			
Conductivity (EC)	uS/cm	1440	1750	1540
рН	рН	7.6	6.63	7.48
Total Suspended Solids	mg/L	<3.0	<3.0	<3.0
Biochemical Oxygen Demand	mg/L	3	4	11
Oil and Grease	mg/L	6.3	2.8	5.4
Oil And Grease (Visible		No Visible	No Visible	No Visible
Sheen)		Sheen	Sheen	Sheen
Fecal Coliform	CFU/ 100mL	<1	<1	<1

Bolded results above indicate the results above average allowable discharge criteria, though below maximum allowable in a grab sample.

Item 3(e): Treated Sewage Effluent Release in cubic meters

This month, 96 m³ of sewage effluent was discharged from the sewage treatment plant.

Item 21 (a) and Items 22 (c), (e): Sedimentation pond, land farm, and fuel containment sumps

Water was not discharged from any containment facilities this month.

Item 26, 27, 28 and Part J Item 8: Water Discharged from Tailing Impoundment Area

Water samples were not collected from TL-1, TL-2, TL-3, and TL-4 as there was no discharge from the TIA this month and Doris Creek was frozen.

Item 30: Tailings Impoundment Area Discharge Volume

No discharge occurred this month.



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Schedule J: Tailings Impoundment Area Water Quality (TL-10)

Samples were not collected at station TL-10 during this month; discharge from the TIA ceased September 13, 2012 and had not yet resumed this month.

Part J: Conditions Applying to General and Aquatics Effects Monitoring

Item 12d Tonnages of Waste Rock Stored on the Temporary Waste Rock Pad

Underground mining is no longer occurring. Waste rock has not been removed from the pile. The total volume of rock on the temporary waste rock pad is 182,716 tonnes, as per the December 2011 survey.

Item 12g Tail Lake Ice Thickness

Tail Lake ice thickness was measured at 206.5 cm this month. In April 2013 the ice thickness reading for Tail Lake was 210 cm (this was incorrectly reported in the April SNP report as not having been measured).

Environmental Incident Reporting

May 19, 2013 – A slow drip was found to be occurring at the Roberts Bay Tank Farm during fueling of the fuel truck. The drip was from the fuel truck coupling at Tank #2. It appeared that this drip had been occurring for some time, though <1L of fuel was cumulatively thought to have escaped into the berm. Contaminated snow and gravel was cleaned up, a spill tray placed under the connection, and the threads of the connection were re-sealed.

Should there be any questions regarding this monthly report, please contact Katsky Venter or Lea-Marie Bowes-Lyon, ESR Site Managers for TMAC Resources Inc. at (867)-988-0568 or Katsky.Venter@Newmont.com or Lea-Marie.Bowes-Lyon@Newmont.com.

Yours sincerely,

Katsky Venter

Environmental and Social Responsibility Site Manager

Hope Bay Project