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P.O. Box 119
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Re: April 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 closed on October 12, 2012 for the winter and was reopened on March 25th, 2013 to open the airstrips and bring drills and supplies in to site and prepare for compliance and drilling activities for 2013. These activities were ongoing in April.

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

There was no runoff from construction areas, therefore, turbidity and total suspended solids samples were not collected.

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 Water for camp use was instead withdrawn from Windy Lake as permitted.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)	480,000m ³

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, April 2013

Sample ID		ST7-11APR13
ALS ID		L1288838-1
Sample Date/Time		11-APR-13 09:20
Parameter	Unit	Results
Conductivity (EC)	uS/cm	350
Hardness (as CaCO ₃)	mg/L	62.3
pH	pH	7.38
Total Suspended Solids	mg/L	<3.0
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	<0.0010
Phosphorus (P)-Total	mg/L	0.025
Cyanide, Total	mg/L	<0.0050
Cyanide, Free	mg/L	<0.0050
Aluminum (Al)-Total	mg/L	0.0117
Antimony (Sb)-Total	mg/L	<0.00040
Arsenic (As)-Total	mg/L	<0.00040
Barium (Ba)-Total	mg/L	0.0037
Beryllium (Be)-Total	mg/L	<0.0010
Boron (B)-Total	mg/L	<0.050
Cadmium (Cd)-Total	mg/L	<0.000010
Calcium (Ca)-Total	mg/L	11.8
Chromium (Cr)-Total	mg/L	<0.0010
Cobalt (Co)-Total	mg/L	<0.0020
Copper (Cu)-Total	mg/L	0.0020
Iron (Fe)-Total	mg/L	0.040
Lead (Pb)-Total	mg/L	<0.00010
Lithium (Li)-Total	mg/L	<0.010
Magnesium (Mg)-Total	mg/L	8.02
Manganese (Mn)-Total	mg/L	0.0055
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	2.79
Selenium (Se)-Total	mg/L	<0.00040
Silver (Ag)-Total	mg/L	<0.000010
Sodium (Na)-Total	mg/L	39.3
Thallium (Tl)-Total	mg/L	0.00013
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

Sample ID		ST7-11APR13
ALS ID		L1288838-1
Sample Date/Time		11-APR-13 09:20
Parameter	Unit	Results
Zinc (Zn)-Total	mg/L	<0.0040
Calcium (Ca)-Dissolved	mg/L	11.4
Magnesium (Mg)-Dissolved	mg/L	7.60
Oil and Grease	mg/L	<1.0
Oil And Grease (Visible Sheen)		NO VISIBLE SHEEN
CBOD	mg/L	<2*
Fecal Coliforms	CFU/100mL	<1

* Lab analyzed for the incorrect parameter. This should be BOD₅.

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

Item 1: Condition to Provide Notice of a Planned Discharge

On April 22, 2013, AANDC and the NWB were provided with a discharge notification for the first discharge from the sewage treatment plant.

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). The sewage treatment plant started to receive wastewater in late March, but wastewater volumes were minimal and the first discharge occurred April 26 after receiving approval from the inspector.

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

Sample ID		ST8B-15APR13	ST8B-24APR13	Part G Item 3 (b)	
ALS ID		L1289894-1	L1293754-1	Maximum Average Concentration	Maximum Allowable Grab Sample Concentration
Sample Date/Time		15-APR-13 10:30	24-APR-13 11:45		
Parameter	Units	Results			
Conductivity (EC)	uS/cm	1730	1620	-	-
pH	pH	8.50	7.95	6.5 - 9.0	9
Total Suspended Solids	mg/L	<3.0	<3.0	100	100
Biochemical Oxygen Demand	mg/L	<2*	._**	80	80
Oil and Grease	mg/L	5.2	6.4	5	10
Oil And Grease (Visible Sheen)		No Visible Sheen	No Visible Sheen	No Visible Sheen	No Visible Sheen
Fecal Coliform	CFU/100mL	<10	<1	10,000	10,000

*Lab analyzed for CBOD instead of BOD₅.

**Sample exceeded hold time for this parameter so no result is available.

Bolded results above indicate the results exceed compliance criteria.

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

This month, 37m³ 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, TL-4, and TL-10 as there was no discharge from the TIA this month.

Item 30: Tailings Impoundment Area Discharge Volume

No discharge occurred this month.

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 has not yet resumed.

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 not measured this month.

Environmental Incident Reporting

There were no environmental incidents in this reporting period.

Should there be any questions regarding this monthly report, please contact Katsky Venter, ESR Site Manager for TMAC Resources Inc. at (604) 358-7325, Katsky.Venter@Newmont.com or Lea-Marie Bowes-Lyon, at (250) 877-7288, Lea-Marie.Bowes-Lyon@Newmont.com.

Yours sincerely,

Lea-Marie Bowes-Lyon

Environmental and Social Responsibility Site Manager