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October 3, 2013

Phyllis Beaulieu
Manager of Licensing
Nunavut Water Board
P.O. Box 119
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Re: August 2013 – Monthly Monitoring Report for Water Licence 2BB-BOS1217

Boston Camp was shut down in November 2011 and has not been reopened since that time.

1. Part D Items 9 and 19 (also Part J Items 8 and 11): Containment Pond, Bulk Fuel Containment, and Landfarm

Following the receipt of compliant results for samples taken at BOS-5 (Tank Farm) on June 2, 2013 (pre-treatment) and June 12, 2013 (post treatment) (see results in June 2013 monitoring report), discharge from this facility occurred on June 27, 2013. Approximately 8.1 m³ was discharged to the tundra. No additional discharge occurred in August.

Following the receipt of compliant results for samples taken at BOS-2C (Containment Pond) on June 12, 2013 (pre- and post-treatment) (see results in June 2013 monitoring report), discharge from this facility occurred on June 27, 2013. Approximately 20 m³ was discharged to the tundra. No additional discharge occurred in August.

Following the receipt of compliant results for samples taken at BOS-2P (Portal) on June 12, 2013 (see results in June 2013 monitoring report), discharge from this facility occurred on June 27, 2013. Approximately 255 m³ was discharged to the tundra at a location previously approved by the inspector. A second discharge event took place on July 25, 2013 when approximately 14 m³ was discharged to the tundra. An additional 20 m³ of melt water was discharged from this site on August 18th, although no water sample was collected this month due to a sampling oversight. Water quality results from July are presented here to demonstrate that this water met discharge criteria at that point (as well as prior to discharge).

Table 1: BOS-2P (Portal) Water Quality Results

Sample ID		BOS2P-25JUL13	Maximum Average Concentration (mg/L)	Maximum Concentration of any Grab Sample (mg/L)
ALS ID		L1340951-5		
Sample Date/Time		7/25/2013 8:05		
Parameters	Units	Results		
Conductivity (EC)	uS/cm	1970		
Hardness (as CaCO3)	mg/L	654		
pH	pH	7.64		6.0-9.0
Total Suspended Solids	mg/L	<3.0	25	50
Aluminum (Al)-Total	mg/L	0.0255		
Antimony (Sb)-Total	mg/L	0.00245		
Arsenic (As)-Total	mg/L	0.0855	0.5	1.00
Barium (Ba)-Total	mg/L	0.0182		
Beryllium (Be)-Total	mg/L	<0.0010		
Boron (B)-Total	mg/L	0.115		

Sample ID		BOS2P-25JUL13	Maximum Average Concentration (mg/L)	Maximum Concentration of any Grab Sample (mg/L)
ALS ID		L1340951-5		
Sample Date/Time		7/25/2013 8:05		
Parameters	Units	Results		
Cadmium (Cd)-Total	mg/L	0.000111		
Calcium (Ca)-Total	mg/L	208		
Chromium (Cr)-Total	mg/L	<0.0010		
Cobalt (Co)-Total	mg/L	0.0922		
Copper (Cu)-Total	mg/L	0.0052	0.30	0.60
Iron (Fe)-Total	mg/L	0.152		
Lead (Pb)-Total	mg/L	<0.00010	0.20	0.40
Lithium (Li)-Total	mg/L	0.045		
Magnesium (Mg)-Total	mg/L	40.0		
Manganese (Mn)-Total	mg/L	0.229		
Mercury (Hg)-Total	mg/L	<0.000020		
Molybdenum (Mo)-Total	mg/L	<0.0050		
Nickel (Ni)-Total	mg/L	0.285	0.50	1.00
Potassium (K)-Total	mg/L	10.1		
Selenium (Se)-Total	mg/L	0.00150		
Silver (Ag)-Total	mg/L	<0.000020		
Sodium (Na)-Total	mg/L	105		
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	0.00356		
Vanadium (V)-Total	mg/L	<0.0010		
Zinc (Zn)-Total	mg/L	0.0367	0.50	1.00
Calcium (Ca)-Dissolved	mg/L	201		
Magnesium (Mg)-Dissolved	mg/L	37		
Oil and Grease	mg/L	<1.0		
Oil And Grease (Visible Sheen)		NO VISIBLE SHEEN		No visible sheen

2. Part J Item 2: Water Use Volumes

No water was used as the camp was not operational.

3. Part J Item 3: Mine Water Discharge Volumes

Mine water was not pumped from underground during this period.

4. Part J Items 4 and 5: Sewage Treatment Effluent and Sewage Sludge

Effluent was not discharged at BOS-3 and no sludge was removed from the sewage disposal facility.

5. Part J Items 6 and 7: Water Source Coordinates

GPS coordinates of locations of water sources and waste associated with camp and drilling activities are kept on file. At this time, there are no water sources being used and no wastes being produced.

6. Part J Item 9 and 10: Sewage Treatment Plant Effluent

No samples were taken from monitoring station BOS-3 or BOS-4 as the sewage disposal facility was not operational.

7. Part J Item 11 and 12: Seepage monitoring

Seepage at Boston (BOS-8) is monitored when enough water was available to sample. There was no water to sample this month.

8. Part J Item 14: Under-Ice Drilling Sampling

Not applicable at this time of year.

Incident Reporting

No incidents pertaining to this licence occurred during this month.

Should there be any questions regarding this monthly report, please contact Katsky Venter or Léa-Marie Bowes-Lyon, ESR Site Managers for TMAC Resources Inc. at (867) 998-0569 or Katsky.Venter@tmacresouces.com or Lea-Marie.Bowes-Lyon@tmacresouces.com.

Yours sincerely,

Katsky Venter

Environmental and Social Responsibility Site Manager
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