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November 5, 2013

Phyllis Beaulieu
Manager of Licensing
Nunavut Water Board
P.O. Box 119
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Re: September 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

No discharge occurred from BOS-5 (Bulk Fuel Containment) or BOS-2C (Containment Pond) in September.

A final discharge from BOS-2P (Portal) occurred on September 4, 2013 following three previous discharge events described in previous monthly reports. Water quality results for this discharge are presented in Table 1. Approximately 24 m³ was discharged to the tundra at a location previously approved by the inspector.

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

Sample ID		BOS2P-04SEP13	Maximum Average Concentration (mg/L)	Maximum Concentration of any Grab Sample (mg/L)
ALS ID		L1359284-1		
Sample Date/Time		9/4/2013 8:45:00 AM		
Parameters	Units	Results		
Conductivity (EC)	uS/cm	1970		
Conductivity (EC)	uS/cm	6460		
Hardness (as CaCO ₃)	mg/L	2110		
pH	pH	8.02		6.0-9.0
Total Suspended Solids	mg/L	<3.0	25	50
Aluminum (Al)-Total	mg/L	0.188		
Antimony (Sb)-Total	mg/L	0.0043		
Arsenic (As)-Total	mg/L	0.295	0.5	1.00
Barium (Ba)-Total	mg/L	0.0516		
Beryllium (Be)-Total	mg/L	<0.0050		
Boron (B)-Total	mg/L	0.28		
Cadmium (Cd)-Total	mg/L	0.00063		
Calcium (Ca)-Total	mg/L	719		
Chromium (Cr)-Total	mg/L	0.0019		
Cobalt (Co)-Total	mg/L	0.377		
Copper (Cu)-Total	mg/L	0.0258	0.30	0.60
Iron (Fe)-Total	mg/L	0.31		
Lead (Pb)-Total	mg/L	<0.00050	0.20	0.40
Lithium (Li)-Total	mg/L	0.142		
Magnesium (Mg)-Total	mg/L	123		
Manganese (Mn)-Total	mg/L	1.24		
Mercury (Hg)-Total	mg/L	<0.000020		

Sample ID		BOS2P-04SEP13	Maximum Average Concentration (mg/L)	Maximum Concentration of any Grab Sample (mg/L)
ALS ID		L1359284-1		
Sample Date/Time		9/4/2013 8:45:00 AM		
Parameters	Units	Results		
Molybdenum (Mo)-Total	mg/L	<0.0050		
Nickel (Ni)-Total	mg/L	1.09*	0.50	1.00
Potassium (K)-Total	mg/L	37.1		
Selenium (Se)-Total	mg/L	0.0033		
Silver (Ag)-Total	mg/L	<0.00010		
Sodium (Na)-Total	mg/L	388		
Thallium (Tl)-Total	mg/L	<0.00050		
Tin (Sn)-Total	mg/L	<0.050		
Titanium (Ti)-Total	mg/L	<0.0030		
Uranium (U)-Total	mg/L	0.0212		
Vanadium (V)-Total	mg/L	0.0019		
Zinc (Zn)-Total	mg/L	0.038	0.50	1.00
Calcium (Ca)-Dissolved	mg/L	659		
Magnesium (Mg)-Dissolved	mg/L	114		
Oil and Grease	mg/L	<1.0		
Oil And Grease (Visible Sheen)		NO VISIBLE SHEEN		No visible sheen

*Results are marginally higher than the maximum concentration of any grab sample.

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@tmacresources.com or Lea-Marie.Bowes-Lyon@tmacresources.com.

Yours sincerely,

Léa-Marie Bowes-Lyon
Tenure and Permitting Manager
Hope Bay Project