



372 Bay Street
Suite 901
Toronto, Ontario
M5H 2W9
416-628-0216

June 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 License 2BE-HOP1222

Part I Conditions Applying to Abandonment and Restoration

The last few kilometers of the Windy Road were surfaced to allow easier transit to the site for current water hauling and later reclamation activities. This month, additional cocomatting was applied in areas of run-off to reduce soil erosion downslope of the historical fuel berm location and beside the lake access road.

Part J Items 2, 3, 4, 5, 6, 10: Sewage Treatment Effluent, Bulk Fuel Containments, and Quarries

Windy Camp has been closed for operations since October 23, 2008; therefore the licence requirements relating to the WWTF (HOP-2 and HOP-3) are not applicable. HOP-5 (Bulk Fuel Storage – Windy Camp) and HOP-6 (Bulk Fuel Storage Facility – Patch Lake) were dismantled in 2012. HOP-8 has not been constructed. Water quality sampling and management was not required at HOP-7A, B or D (quarries A, B and D) as no water was observed at these sites.

Part J Item 7: Under-Ice Drilling Samples

No under-ice samples were collected because no drilling took place this month.

Part J Item 8: Water Use Volumes

An error was noticed in the April SNP reporting of water withdrawn from Windy Lake. A total of 126 m³ was withdrawn in April, not 116 m³ as originally reported. Corrected April withdrawal volumes by date are presented in Table 1.

In May, 126 m³ of water was also extracted from Windy Lake for use at Doris (Table 2).

The water quality results from HOP-1 are presented in Table 3. No water was withdrawn for dust suppression or drilling uses this month. Geographical locations of water extraction are retained on file per Part J Item 12 of the licence.

Table 1: Daily water usage from Windy Lake, in cubic meters, April 2013 (Correction to the April SNP report)

Date	Volume (m ³)
April 1	42
April 2	28
April 11	14
April 12	14
April 24	28
Monthly Total	126
Annual Cumulative	168

Table 2: Daily water usage from Windy Lake, in cubic meters, May 2013

Date	Volume (m ³)
May 2	28
May 10	28
May 16	14
May 17	14
May 23	28
May 30	14
Monthly Total	126
Annual Cumulative	294

Table 3: Monthly Compliance Sample Results for SNP Monitoring Station HOP-1, April 2013

Sample ID		HOP1-01MAY13	HOP1-22MAY13
ALS ID		L1296417-2	L1305158-1
Sample Date/Time		5/1/2013 9:30:00 AM	5/22/2013 8:40:00 AM
Analyte	Units	Results	
pH	pH	7.98	8.02
Magnesium (Mg)-Dissolved	mg/L	12	11.6
Magnesium (Mg)-Total	mg/L	12.3	12.2
Calcium (Ca)-Dissolved	mg/L	15.2	16.4
Calcium (Ca)-Total	mg/L	18	15.9
Sodium (Na)-Total	mg/L	65.7	63.6
Conductivity (EC)	uS/cm	551	539
Phosphorus (P)-Total	mg/L	<0.020	<0.020
Orthophosphate-Dissolved (as P)	mg/L	<0.0010	<0.0010
Ammonia, Total (as N)	mg/L	<0.050	<0.050
Nitrate (as N)	mg/L	<0.050	<0.050
Nitrite (as N)	mg/L	<0.050	<0.050
Hardness (as CaCO ₃)	mg/L	87.6	88.8
Aluminum (Al)-Total	mg/L	0.0094	<0.0050
Antimony (Sb)-Total	mg/L	<0.00040	<0.00040
Arsenic (As)-Total	mg/L	<0.00040	<0.00040
Barium (Ba)-Total	mg/L	<0.0030	<0.0030
Beryllium (Be)-Total	mg/L	<0.0010	<0.0010
Boron (B)-Total	mg/L	0.06	0.056
Cadmium (Cd)-Total	mg/L	<0.000010	<0.000010
Chromium (Cr)-Total	mg/L	<0.0010	<0.0010
Cobalt (Co)-Total	mg/L	<0.0020	<0.0020
Copper (Cu)-Total	mg/L	<0.0010	0.0012
Cyanide, Free	mg/L	<0.0050	<0.0050
Cyanide, Total	mg/L	<0.0050	<0.0050
Iron (Fe)-Total	mg/L	<0.010	<0.010
Lead (Pb)-Total	mg/L	<0.00010	<0.00010

Lithium (Li)-Total	mg/L	<0.010	<0.010
Manganese (Mn)-Total	mg/L	<0.0020	<0.0020
Mercury (Hg)-Total	mg/L	<0.000020	<0.000020
Molybdenum (Mo)-Total	mg/L	<0.0050	<0.0050
Nickel (Ni)-Total	mg/L	<0.0020	<0.0020
Potassium (K)-Total	mg/L	4.98	4.89
Selenium (Se)-Total	mg/L	<0.00040	<0.00040
Silver (Ag)-Total	mg/L	<0.000020	<0.000020
Thallium (Tl)-Total	mg/L	<0.00010	<0.00010
Tin (Sn)-Total	mg/L	<0.050	<0.050
Titanium (Ti)-Total	mg/L	<0.0010	<0.0010
Total Suspended Solids	mg/L	4	<3.0
Uranium (U)-Total	mg/L	0.00021	0.00018
Vanadium (V)-Total	mg/L	<0.0010	<0.0010
Zinc (Zn)-Total	mg/L	<0.0040	0.0043
Oil and Grease	mg/L	<1.0	<1.0
Oil And Grease (Visible Sheen)		NO VISIBLE SHEEN	NO VISIBLE SHEEN
Microcystin	ug/L	<0.20	-
Total cyanobacterial cell count	cells/mL	<1	<1

Incident Reporting

There were no incidents pertaining to the licence during the period.

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