



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

September 9, 2013

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

**Re: July 2013 – Monthly Monitoring Report for Water Licence 2BE-HOP1222**

---

**Part I Conditions Applying to Abandonment and Restoration**

By the end of July, about 20 tents had been removed from Windy Camp and taken to the waste management facility at Doris North where they were dismantled. These tents were made available to staff who were interested in having one. The reclamation of old drill sites in the Windy Camp area was begun. Approximately 50 sites were visited. At each, the collar was cut down and capped and debris was removed. For each collar, a note was made on how much material was needed, if any, to backfill depressions around the collars.

**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**

Not applicable at this time of year.

**Part J Item 8: Water Use Volumes**

In July, 401 m<sup>3</sup> of water was extracted from Windy Lake for use at Doris Camp and for dust suppression (Table 1). Water was also used for drilling (Table 2). Geographical locations of water extraction for drilling are retained on file per Part J Item 12 of the licence.

The water quality results from HOP-1 are presented in Table 3.

Table 1: Daily water usage from Windy Lake, in cubic meters, July 2013

Date	Volume (m <sup>3</sup> )
July 1	28
July 4	56
July 8	56
July 10	1
July 11	36
July 12	6
July 14	52
July 17	31.5
July 19	23
July 21	17

Date	Volume (m³)
July 23	24
July 26	28
July 29	14
July 30	0.5
July 31	28
<b>Monthly Total</b>	<b>401</b>
<b>Annual Cumulative</b>	<b>1097</b>

Table 2: Daily drill water usage, in cubic meters, July 2013

Date	Volume (m³)
July 1	24.5
July 2	15.6
July 3	6.5
July 4	13.9
July 5	11.3
July 6	17.4
July 7	7.5
July 8	9.7
July 9	14.1
July 10	24.6
July 11	60.6
July 12	23
July 13	38.4
July 14	24.7
July 15	28.9
July 16	28.5
July 17	29.1
July 18	25.2
July 19	34.6
July 20	18.2
July 21	35.7
July 22	54.6
July 23	60.2
July 24	58.1
July 25	69.4
July 26	75.2
July 27	57.6
July 28	51.1
July 29	26.1
July 30	17.5
July 31	29.4
<b>Monthly Total</b>	<b>991.2</b>
<b>Annual Cumulative</b>	<b>1147</b>

Table 3: HOP-1 Water Quality Sample Results, July 2013

Sample ID		HOP1-09JUL13
ALS ID		L1329538-9
Sample Date/Time		7/9/2013 8:10
Parameters	Units	Results
Conductivity (EC)	uS/cm	435
Hardness (as CaCO3)	mg/L	69.6
pH	pH	7.88
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	<0.020
Cyanide, Total	mg/L	<0.0050

<b>Sample ID</b>		<b>HOP1-09JUL13</b>
<b>ALS ID</b>		<b>L1329538-9</b>
<b>Sample Date/Time</b>		<b>7/9/2013 8:10</b>
<b>Parameters</b>	<b>Units</b>	<b>Results</b>
Cyanide, Free	mg/L	<0.0050
Fecal Coliforms	CFU/100mL	<1
Aluminum (Al)-Total	mg/L	0.0573
Antimony (Sb)-Total	mg/L	<0.00040
Arsenic (As)-Total	mg/L	<0.00040
Barium (Ba)-Total	mg/L	<0.0030
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	13.1
Chromium (Cr)-Total	mg/L	<0.0010
Cobalt (Co)-Total	mg/L	<0.0020
Copper (Cu)-Total	mg/L	0.001
Iron (Fe)-Total	mg/L	0.045
Lead (Pb)-Total	mg/L	<0.00010
Lithium (Li)-Total	mg/L	<0.010
Magnesium (Mg)-Total	mg/L	10.3
Manganese (Mn)-Total	mg/L	0.002
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	4.02
Selenium (Se)-Total	mg/L	<0.00040
Silver (Ag)-Total	mg/L	<0.000020
Sodium (Na)-Total	mg/L	52.8
Thallium (Tl)-Total	mg/L	<0.00010
Tin (Sn)-Total	mg/L	<0.050
Titanium (Ti)-Total	mg/L	0.0021
Uranium (U)-Total	mg/L	0.00017
Vanadium (V)-Total	mg/L	<0.0010
Zinc (Zn)-Total	mg/L	<0.0040
Calcium (Ca)-Dissolved	mg/L	11.9
Magnesium (Mg)-Dissolved	mg/L	9.68
Biochemical Oxygen Demand	mg/L	<2.0
Oil and Grease	mg/L	1
Oil And Grease (Visible Sheen)		no visible sheen

### 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](mailto:Katsky.Venter@Newmont.com) or [Lea-Marie.Bowes-Lyon@Newmont.com](mailto:Lea-Marie.Bowes-Lyon@Newmont.com).

Yours sincerely,

**Léa-Marie Bowes-Lyon**

Environmental and Social Responsibility Site Manager  
Hope Bay Project