



February 5, 2014

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

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

Part I Conditions Applying to Abandonment and Restoration

No reclamation work was completed at Windy Camp this month.

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, no on-ice drilling has begun.

Part J Item 8: Water Use Volumes

In December, water was extracted from Windy Lake for use at Doris Camp (Table 1). Drilling for 2013 ended on October 31. Water was additionally used from various sources for ice road construction.

The water quality results from HOP-1 are presented in Table 2.

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

| Date | Volume (m³) | |
|-----------|-------------|--|
| 1-Dec-13 | 0 | |
| 2-Dec-13 | 0 | |
| 3-Dec-13 | 0 | |
| 4-Dec-13 | 24 | |
| 5-Dec-13 | 24 | |
| 6-Dec-13 | 0 | |
| 7-Dec-13 | 0 | |
| 8-Dec-13 | 0 | |
| 9-Dec-13 | 0 | |
| 10-Dec-13 | 0 | |
| 11-Dec-13 | 0 | |
| 12-Dec-13 | 0 | |
| 13-Dec-13 | 0 | |
| 14-Dec-13 | 0 | |
| 15-Dec-13 | 0 | |

| 16-Dec-13 | 0 |
|-----------|----|
| 17-Dec-13 | 0 |
| 18-Dec-13 | 0 |
| 19-Dec-13 | 24 |
| 20-Dec-13 | 0 |
| 21-Dec-13 | 0 |
| 22-Dec-13 | 0 |
| 23-Dec-13 | 0 |
| 24-Dec-13 | 0 |
| 25-Dec-13 | 0 |
| 26-Dec-13 | 0 |
| 27-Dec-13 | 0 |
| 28-Dec-13 | 0 |
| 29-Dec-13 | 0 |
| 30-Dec-13 | 0 |
| 31-Dec-13 | 24 |

Table 2: HOP-1 Water Quality Sample Results, December 2013

| 1able 2: HOP-1 water Qu | Sample ID | HOP1-06DEC13 |
|---------------------------------|--------------|------------------------|
| | ALS ID | L1400885-6 |
| | Date Sampled | 12-06-2013 02:00:00 AM |
| Parameters | Units | Results |
| Conductivity (EC) | uS/cm | 486 |
| Hardness (as CaCO3) | mg/L | 80.9 |
| рН | рН | 7.52 |
| 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 |
| Cyanide, Free | mg/L | < 0.0050 |
| Fecal Coliforms | CFU/100mL | <2 |
| Aphanizomenon (Cyanophyceae) | cells/mL | None observed |
| Total cyanobacterial cell count | cells/mL | None observed |
| Pseudoanabaena (Cyanophyceae) | cells/mL | None observed |
| Aluminum (Al)-Total | mg/L | 0.0139 |
| 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 | 0.058 |
| Cadmium (Cd)-Total | mg/L | < 0.000010 |
| Calcium (Ca)-Total | mg/L | 14.1 |
| Chromium (Cr)-Total | mg/L | < 0.0010 |
| Cobalt (Co)-Total | mg/L | < 0.0020 |
| Copper (Cu)-Total | mg/L | < 0.0011 |
| Iron (Fe)-Total | mg/L | 0.010 |
| Lead (Pb)-Total | mg/L | < 0.00010 |
| Lithium (Li)-Total | mg/L | < 0.010 |
| Magnesium (Mg)-Total | mg/L | 11.1 |
| Manganese (Mn)-Total | mg/L | < 0.0020 |
| Mercury (Hg)-Total | mg/L | < 0.000020 |
| Molybdenum (Mo)-Total | mg/L | < 0.0050 |
| Nickel (Ni)-Total | mg/L | < 0.0020 |

| | Sample ID | HOP1-06DEC13 |
|--------------------------------|--------------|------------------------|
| | ALS ID | L1400885-6 |
| | Date Sampled | 12-06-2013 02:00:00 AM |
| Parameters | Units | Results |
| Potassium (K)-Total | mg/L | 4.22 |
| Selenium (Se)-Total | mg/L | < 0.00040 |
| Silver (Ag)-Total | mg/L | < 0.000020 |
| Sodium (Na)-Total | mg/L | 56.0 |
| 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 | 0.00019 |
| Vanadium (V)-Total | mg/L | < 0.0010 |
| Zinc (Zn)-Total | mg/L | < 0.0040 |
| Calcium (Ca)-Dissolved | mg/L | 13.8 |
| Magnesium (Mg)-Dissolved | mg/L | 10.8 |
| Biochemical Oxygen Demand | mg/L | <2.0 |
| Oil and Grease | mg/L | 8.1 |
| Oil And Grease (Visible Sheen) | | NO VISIBLE SHEEN |
| Microcystin | ug/L | < 0.20 |

Incident Reporting

No incidents pertaining to this licence occurred this month.

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) 988-0569 or Katsky.Venter@tmacresouces.com or Lea-Marie.Bowes-Lyon@tmacresouces.com.

Yours sincerely,

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