



145 King Street East, Suite 400
Toronto, Ontario M5C 2Y7
416-947-1212

Sent by Email

September 30, 2022

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

Re: August 2022 – Monthly Monitoring Report for Water License 2BE-HOP2232

This report is comprised of monitoring requirements as set out in Part J, Items 2 through 8, and 10 of water license 2BE-HOP2232. Some monitoring requirements stipulated in this Part refer to facilities that have not been constructed, facilities that no longer exist, or facilities where activity is seasonal. Water levels in Windy Lake will be monitored in accordance with Part J, Item 9 during open water season. Sampling locations monitored under this license (seasonally or when facilities are operational) are provided in Figure 1 at the end of this report.

During the period of this report, the focus of activities under the Windy Regional Exploration license was on-land surface exploration drilling, water management and environmental compliance.

Part I Conditions Applying to Abandonment and Restoration

No abandonment or restoration work was conducted during the 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 and New Windy Camp has not been constructed. Therefore, the license requirements relating to the Wastewater Treatment Facility (HOP-2 and HOP-3) are not applicable at this time. HOP-5 (Bulk Fuel Storage – Windy Camp) and HOP-6 (Bulk Fuel Storage Facility – Patch Lake) were dismantled in 2012. HOP-8 (Bulk Fuel Storage Facility at New Windy Camp) has not been constructed.

Water quality sampling and management was not required at HOP-7A or B (quarries A and B) as no discharge of water occurred from these areas this month. HOP-7D was sampled prior to discharge and discharged occurred once shown to meet discharge criteria. Total discharge for the month was measured at 1270.8 m³.

Part J Item 7: Under-Ice Drilling Samples

No under-ice water quality sampling was conducted this month as no on-ice surface exploration drilling was conducted in the license area.

Part J Item 8: Water Use Volumes

Geographical locations for all water sources and usage are maintained on file. All usage from water sources during the month were metered at the source. Daily water usage for the month is presented in Table 1.

Table 1: Daily water usage in cubic meters, August 2022.

Date	Dust Suppression (m3)	Regional Drill Water Usage (m3)	Total Daily Usage (m3)
1-Aug	0	9.03	9.03
2-Aug	0	36.34	36.34
3-Aug	0	35.55	35.55
4-Aug	0	10.61	10.61
5-Aug	0	11.86	11.86
6-Aug	0	13.37	13.37
7-Aug	0	8.20	8.20
8-Aug	0	10.25	10.25
9-Aug	0	4.61	4.61
10-Aug	0	6.93	6.93
11-Aug	0	0.51	0.51
12-Aug	0	3.25	3.25
13-Aug	0	5.27	5.27
14-Aug	0	13.71	13.71
15-Aug	0	9.00	9.00
16-Aug	0	6.57	6.57
17-Aug	0	8.50	8.50
18-Aug	0	9.00	9.00
19-Aug	0	5.19	5.19
20-Aug	0	8.33	8.33
21-Aug	0	7.18	7.18
22-Aug	0	7.03	7.03
23-Aug	0	9.82	9.82
24-Aug	0	4.30	4.30
25-Aug	0	7.60	7.60
26-Aug	0	6.76	6.76
27-Aug	0	8.63	8.63
28-Aug	0	8.68	8.68
29-Aug	0	5.71	5.71
30-Aug	0	4.48	4.48
31-Aug	0	7.42	7.42
Monthly Total	0	293.68	293.68
Annual Total	8	1903.83	1911.83

Water quality monitoring results and volumes extracted from the Windy Lake freshwater intake (HOP-1) for domestic, industrial, winter track and surface exploration use are presented in the monthly monitoring report for license 2AM-DOH1335, Schedule I for Station ST-7A.

Incident Reporting

NU Spill #2022-479 – Between August 28, 2022 and September 12, 2022 a spill of 2822.8 m³ of quarry drainage water was reported to the tundra. (spill location 68°4'20" N, 106°36'30" W). The discharge occurred 550m away from Windy Lake, the nearest water body and was not on or near any other designated sensitive habitats. No impacts are expected.

The drainage water had previously been tested and passed parameter requirements on August 10, 2022 prior to discharge. A second pre-pumping sample was taken as the pumps were activated on

August 28, 2022 with results coming back on September 14, 2022 once pumping had been completed. Results showed an exceedance in the conductivity parameter. Lab results are contained in Appendix C-2BE-HOP2232 attached to this report.

The cause of the increase is believed to be due to evaporation from the quarry's water body over the period between sampling events. No activity occurred in the quarry during this period.

Mitigation measured

To avoid future repetition of such a spill, the time delay between sampling and pumping has been reduced by placing a rush on the quarry analysis COC. Furthermore, the parameter limits were reviewed with the environment techs and coordinators to be able to flag any possible exceedance earlier based on collected field parameters.

Further information will be supplied in the follow-up report.

Should there be any questions regarding this monthly report, please contact me at guillaume.dumont-vandewinkel@agnicoeagle.com.

Yours sincerely,



Guillaume Dumont-Vandewinkel
Environmental Coordinator
Hope Bay Project
(819) 759-3555 ext. 4600101

Cc:

Jonathan Mesher, Water Resources Officer, CIRNAC

Eric Steinmetzer, General Manager – Hope Bay, Agnico Eagle

Nancy Duquet-Harvey, Environmental Superintendent – Hope Bay, Agnico Eagle

Figure 1. 2BE-HOP2232 SNP Monitoring Locations

