



95 Wellington Street West
Suite 1010, P.O. Box 44
Toronto Dominion Centre
Toronto, Ontario M5J 2N7
416-628-021

Sent by Email

September 30, 2019

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

Re: August 2019 – Monthly Monitoring Report for Water Licence 2BB-BOS1727

This report is comprised of monitoring requirements as set out in Part J of water licence 2BB-BOS1727. Boston Camp is used to support surface exploration programs.

During the subject focus of this report, the Boston Camp was used to support a regional surface exploration program conducted in the 2BE-HOP1222 licence area. No surface exploration drilling was conducted under the 2BB-BOS1727 licence this month.

Sampling locations monitored under this licence (seasonally or when facilities are operational) are provided in Figure 1 at the end of this report.

Part J Item 2: Water Use Volumes

In August, water was extracted from Aimaokatalok Lake for domestic use at Boston Camp. All usage from water sources during the month were metered at the source. Daily water usage for the month is presented in Table 1.

Volumes of water used to support the regional surface exploration program are presented in the monthly monitoring report for licence 2BE-HOP1222.

Results of samples collected in August under monitoring station BOS-1A are provided in Appendix A.

Table 1: Daily water usage in cubic meters, July 2019.

Date	Domestic Water Consumption (m³)	Drill Water Usage Total (m³)	Total Daily Usage (m³)
01-Aug	7	0	0
02-Aug	0	0	4
03-Aug	7	0	0
04-Aug	7	0	0
05-Aug	0	0	8
06-Aug	0	0	0
07-Aug	4	0	0
08-Aug	4	0	0
09-Aug	4	0	5
10-Aug	3	0	0
11-Aug	3	0	2
12-Aug	3	0	0
13-Aug	5	0	6
14-Aug	3	0	0
15-Aug	3	0	0
16-Aug	3	0	5
17-Aug	4	0	0
18-Aug	3	0	0
19-Aug	5	0	5
20-Aug	4	0	0
21-Aug	4	0	5
22-Aug	5	0	8
23-Aug	2	0	0
24-Aug	7	0	5
25-Aug	5	0	0
26-Aug	5	0	9
27-Aug	5	0	2
28-Aug	5	0	8
29-Aug	5	0	0
30-Aug	4	0	10
31-Aug	4	0	7
Monthly Total	125	0	125
Annual Total	214	0	214

Part J Item 3: Minewater Discharge Volumes

Minewater was not pumped from underground during this period.

Part J Items 4 and 5: Sewage Disposal Facility Daily Effluent Discharge and Sewage Sludge

Notification of discharge from the Sewage Disposal Facility was provided to the Inspector on May 16. Effluent discharge from the Sewage Disposal Facility (BOS-3) began on July 13 after receiving compliant effluent quality results for this facility. These results met the discharge criteria outlined in Part D Item 14 of the licence.

A total of 145 m³ of treated effluent was discharged to tundra this month.

No sludge was removed from the sewage disposal facility in August.

Part J Items 5: Daily Quantities of Effluent Discharged – Containment Pond, Bulk Fuel Storage, Landfarm and Portal Decline

Notification of discharge for the Containment Pond (BOS-2), the Bulk Fuel Storage facility (BOS-5) and the Portal Decline (BOS-9) was provided to the Inspector on May 16. Effluent quality was confirmed to meet discharge criteria prior to discharge from these facilities.

No effluent was discharged to the tundra from the Containment Pond (BOS-2) in August.

No effluent was discharged to tundra from the Bulk Fuel Storage facility (BOS-5) this month.

A total of 46 m³ of effluent was discharged to tundra from the Portal Decline (BOS-9) in August.

No effluent was discharged from the Landfarm (BOS-6) this month.

Part J Items 6 and 7: Water Source and Waste Disposal Coordinates

GPS coordinates of locations of water sources and waste associated with camp and drilling activities are kept on file.

Waste generated at Boston Camp in August was sorted and stored as per the Hazardous and Non-Hazardous Waste Management Plans. This waste will be stored at Boston Camp and transported to the Doris Waste Management Facility via winter track in 2020.

Part J Items 8, 11 and 12 (also Part D Items 6, 17 and 19): Sampling at Containment Pond, Minewater, Bulk Fuel Storage, and Landfarm

No effluent quality samples were collected from the Containment Pond (BOS-2) in August as all water had been discharged from the facility in July.

No effluent quality samples were collected from the Bulk Fuel Storage Facility (BOS-5) in August as all water had been discharged from the facility in July.

Effluent sampling completed in June from the Portal Decline (BOS-9) met the *Maximum Concentration in Any Grab Sample* limits outlined in Part D Item 6 of the licence. Dewatering of this facility continued in August after receiving these compliant results.

Part J Item 9: Sewage Disposal Facility Effluent

Effluent samples were taken on August 12 at monitoring station BOS-3 (Sewage Disposal Facility). Results of this sample met the discharge criteria outlined in Part D Item 14 of the licence.

No samples were taken at monitoring station BOS-4 as no flow of treated sewage effluent was observed at the point prior to entry into Aimaokatalok Lake. All effluent had effectively been absorbed into the tundra prior to this point.

Part J Item 11: Seepage Monitoring

Seepage at Boston (BOS-8) is monitored seasonally when water is available to sample. No seepage was observed at the BOS-8 monitoring locations during the month of August and no samples were collected.

Part J Item 14 (also Part F Item 7): Under-Ice Water Quality Sampling

Not applicable as on-ice drilling did not occur pertaining to licence 2BB-BOS1727.

Incident Reporting

No incidents pertaining to this licence occurred this month.

Should there be any questions regarding this monthly report, please contact enviro@tmacresources.com.

Yours sincerely,



Kyle Conway
Environmental Superintendent
Hope Bay Project
(867) 988-6882 ext. 102

Cc:
Jeremy Fraser, Water Resources Officer, CIRNAC
Oliver Curran, Vice President - Environmental Affairs, TMAC
Dan Gagnon, Mine General Manager, TMAC

Figure 1. 2BB-BOS1727 SNP Monitoring Locations

