



95 Wellington Street W
Suite 1010
P.O. Box 44
Toronto, Ontario
M5J 2N7
416-628-0216

Sent by Email

September 29, 2017

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

Re: August 2017 – 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 was reopened on June 15, 2017 to support a seasonal surface exploration program. During the subject period of this report, the focus of activities at Boston Camp was surface exploration drilling, seasonal water management and licence compliance.

Part J Item 2: Water Use Volumes

In August, water was extracted from Aimaokatalok Lake for domestic use at Boston Camp and to support the surface exploration drilling program. The surface exploration program concluded on August 6, 2017. All usage from water sources during the month were metered at the source or measured by Bambi bucket haul load. Daily water usage for the month is presented in Table 1.

Table 1: Daily water usage in cubic meters, August 2017.

Date	Domestic Water Consumption (m ³)	Drill Water Usage Total (m ³)	Total Daily Usage (m ³)
01-Aug	9	19	28
02-Aug	0	24	24
03-Aug	9	12	21
04-Aug	0	4	4
05-Aug	0	10	10
06-Aug	7	0	7
07-Aug	15	0	15
08-Aug	0	0	0
09-Aug	1	0	1
10-Aug	0	0	0
11-Aug	8	0	8
12-Aug	6	0	6
13-Aug	0	0	0
14-Aug	10	0	10
15-Aug	0	0	0
16-Aug	0	0	0
17-Aug	8	0	8
18-Aug	0	0	0
19-Aug	0	0	0
20-Aug	0	0	0
21-Aug	8	0	8
22-Aug	0	0	0

23-Aug	10	0	10
24-Aug	0	0	0
25-Aug	3	0	3
26-Aug	0	0	0
27-Aug	7	0	7
28-Aug	0	0	0
29-Aug	0	0	0
30-Aug	0	0	0
31-Aug	0	0	0
Monthly Total	101	69	170
Annual Total	300	853	1,153

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

Effluent discharge from the sewage disposal facility (BOS-3) began on July 30 upon receiving compliant effluent quality results. Prior to receiving compliant results, effluent from the sewage disposal facility was stored in a temporary holding pond. Once effluent quality in the treatment plant was confirmed, effluent stored in the holding pond was slowly introduced into the treatment unit. The holding pond was completely dewatered on August 19. A total of 187 m³ of compliant effluent was discharged from the STP to the tundra in August.

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

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

No water was discharged from the Containment Pond (BOS-2), the Bulk Fuel Storage Facility (BOS-5), the Landfarm (BOS-6), or the Portal Decline (BOS-9) 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. Water was sourced from Aimaokatalok Lake (BOS-1) for domestic use at Boston Camp and to support the surface exploration program.

Non-saline drill cuttings generated as part of the drilling program were deposited in historic drill cuttings sumps located on the west side of the airstrip (67° 39' 10.8", 106° 22' 53.6"). Saline drill cuttings were deposited into a temporary lined sump constructed on the camp pad. As the cutting materials settles, saline waters will be decanted and pumped into the underground mine workings.

All waste generated from activities at the Boston Camp will be stored on site and transported to Doris Camp for disposal on the winter track in 2018.

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 samples were taken from the Containment Pond (BOS-2), the Bulk Fuel Storage facility (BOS-5), the Landfarm facility (BOS-6), or the Portal Decline (BOS-9) during the month of August.

Part J Item 9: Sewage Disposal Facility Effluent

Pre-discharge samples were taken at monitoring station BOS-3 during the commissioning of the Sewage Treatment Plant. Upon receipt of compliant results, effluent was discharged to the tundra beginning on July 30. The facility was in operation for the entire month of August and continued effluent discharge to the tundra. Results of samples collected in August under monitoring station BOS-3 are provided in Appendix A.

No samples were taken at monitoring station BOS-4 as there was no observable flow into Aimaokatalok Lake at this station.

Part J Item 11: Seepage Monitoring

Seepage at Boston (BOS-8) is monitored seasonally when water is available to sample. No seepage was observed during the month of August at BOS-8; therefore, these monitoring stations were not sampled.

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 license occurred during the month of August.

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

Yours sincerely,



M. John Roberts
Vice President, Environmental Affairs
Hope Bay Project
(416) 628-0216
cc. Eva Paul, Water Resources Officer, INAC

Figure 1. 2BB-BOS1217 SNP Monitoring Locations

