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Sent by Email

July 31, 2017

Licensing
Nunavut Water Board
P.O. Box 119
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Re: June 2017 – Monthly Monitoring Report for Water Licence 2BB-BOS1217

This report is comprised of monitoring requirements as set out in Part J of water licence 2BB-BOS1217. 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 June, water was extracted from Aimaokatalok Lake for domestic use at Boston Camp. Surface exploration drilling began on June 25 and water was sourced from Aimaokatalok Lake to support this program. 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, June 2017.

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

Jun-23	7	0	7
Jun-24	6	0	6
Jun-25	9	25	34
Jun-26	8	5	13
Jun-27	8	28	36
Jun-28	9	19	28
Jun-29	10	36	46
Jun-30	8	31	39
Monthly Total	111	144	255
Annual Total	111	144	255

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

No effluent was discharged from the sewage disposal facility (BOS-3) this month. Effluent produced during the month was stored in a temporary holding pond until compliant effluent quality results are received. Discharge of effluent from the sewage disposal facility is anticipated to begin in July.

A total of 4 m³ of sewage sludge was removed from the facility prior to commencing operation. This material was stored in plastic totes and will be transported to Doris Camp for disposal on the winter track in 2018.

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-2C), the Portal (BOS-2P), the Bulk Fuel Storage Facility (BOS-5) or 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. Water was sourced from Aimaokatalok Lake (BOS1) 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 (N67° 39' 10.8" W106° 22' 53.6"). Saline drill cuttings were not produced in June; saline drill cuttings will be stored in a temporary lined sump constructed to store this material.

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 and 11 (also Part D Items 9 and 19): Sampling at Containment Pond, Minewater, Bulk Fuel Storage, and Landfarm

Pre-discharge water quality samples were collected from the Containment Pond (BOS-2C) and the Bulk Fuel Storage facility (BOS-5) on June 4, 2017. Results of this sampling are presented in Appendix A.

The effluent quality sample collected from the Bulk Fuel Storage facility (BOS-5) exceeded the discharge criteria for lead (0.01 mg/L). This effluent will be transferred to the Containment Pond, treated with an oil-water separator and resampled to confirm effluent quality prior to discharge. No discharge occurred from these facilities in June.

Part J Item 9 and 10: Sewage Disposal Facility Effluent

No samples were taken from monitoring station BOS-3 or BOS-4 as effluent was not discharged from the sewage disposal facility.

Part J Item 12 and 13: Seepage Monitoring

Seepage at Boston (BOS-8) is monitored seasonally when water is available to sample. Results of samples collected in June under monitoring station BOS-8 are provided in Appendix A.

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-BOS1217.

Incident Reporting

No incidents pertaining to this licence occurred during this month.

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

Yours sincerely,



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cc. Eva Paul, Water Resources Officer, INAC

Figure 1. 2BB-BOS1217 SNP Monitoring Locations

