AGNICO EAGLE

ANNUAL REPORT 2023: WATER LICENCE 2BE-MEP1828

PRESENTED TO

NUNAVUT WATER BOARD

MARCH 2024

Contact:

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Water licence 2BE-MEP1828, Part B item 2:

2. The Licensee shall file an Annual Report on the Appurtenant Undertaking with the Board no later than March 31st of the year following the calendar year being reported, containing the following information:

a. A summary report of Water use and Waste disposal activities;

- *In 2023, the workers were accommodated at the Meliadine Camp Site, so no waste disposal or water use related to a camp operation were conducted under this water licence. 13 holes were drilled under this licence and all the waste generated, except the cuttings, was transported to the Meliadine Camp site where it was segregated and disposed of according the waste management in place.*

  Drill cuttings were disposed of near the drill sites in natural depressions where there was no runoff toward any water body.

b. Quantity of Water (in cubic metres/day) obtained for domestic and other purposes from sources on, in or flowing through Inuit-owned lands for the reporting period;

- *All the water used in 2023 under this water licence was pumped from sources located on Inuit-owned lands.*

Table 1. Water usage 2023

Months	***Water usage m3/day***	***Details***
April	*11.2*	*6 days of water usage in April*
May	*25.0*	*16 days of water usage in May*
July	*41.5*	*5 days of water usage in July*
August	*25.5*	*13 days of water usage in August*

c. Quantity of Water (in cubic metres/day) obtained for domestic and other purposes from sources on, in or flowing through Crown Lands reporting period;

- *No water was obtained in 2023 on Crown Land under this licence.*

d. Quantity of Waste disposed of on on-site Waste disposal facility;

- *All the waste generated during the exploration activities was transported to the Meliadine mine site where it was segregated and treated along with the waste generated by the mine site.*

e. Quantity of Waste backhauled to approved facility for disposal;

- *N/A*

f. A list of unauthorized discharges and a summary of follow-up actions taken;

- *No unauthorized discharges occurred in 2023.*

g. Any revisions to the Spill Contingency Plan and Closure and Reclamation Plan, as required by Part B, Item 7, submitted in the form of an Addendum;

- *No revision proposed at this time.*

h. A description of all progressive and or final reclamation work undertaken, including photographic records of site conditions before, during and after completion of operations;

- *Drill site reclamation included the removal of remaining material and drill casing at each site once drilling was completed. Casings were cut at ground level when they could not be removed.*
- *No relevant construction activities, modifications or major maintenance work were carried out in 2023 under this licence and no relevant construction activities, modifications or major maintenance work are planned for 2024.*

i. Report all artesian flow occurrences as required under Part
F, Item;

- *No artesian flow occurrence in 2023.*

j. A summary of all information requested and results of the Monitoring Program;

PART J: CONDITIONS APPLYING TO THE MONITORING PROGRAM

1. The Licensee shall measure and record, in cubic metres, the daily quantities of water that is used from sources located on, in or flowing through Crown Land, utilized for camp, drilling, trenching and other purposes.

- *All the water used in 2023 under this water licence was pumped from sources located on Inuit-owned lands.*

2. The Licensee shall provide the GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) of all locations where sources of Water are utilized for all purposes.

Table 2, Water intake locations 2023

Lat	Long
62° 54.248' N	91° 47.394' W
62° 54.248' N	91° 47.394' W
62° 54.248' N	91° 47.394' W
62° 54.248' N	91° 47.394' W
62° 54.425' N	91° 33.425' W
62° 54.425' N	91° 33.425' W
62° 54.406' N	91° 33.203' W
62° 54.406' N	91° 33.203' W
62° 54.335' N	91° 33.307' W
62° 54.335' N	91° 33.307' W
62° 55.630' N	91° 47.331' W
62° 58.435' N	91° 59.824' W
62° 59.141' N	92° 0.271' W

3. The Licensee shall determine the GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) of all locations where Wastes associated with camp operations and exploration operations are deposited.

- *Waste generated during the exploration activity under this water licence was transported to the mine site where it was segregated and treated along with the waste generated by the mine site. The drilling cuttings were disposed of at the following locations.*

Table 3, Cutting disposal locations 2023

Hole #	Lat	Long
M23-3603	62° 54.746' N	91° 46.177' W
M23-3604	62° 54.746' N	91° 46.177' W
M23-3605	62° 54.746' N	91° 46.177' W
M23-3606	62° 54.746' N	91° 46.177' W
M23-3630	62° 54.453' N	91° 33.506' W
M23-3631	62° 54.453' N	91° 33.506' W
M23-3632	62° 54.402' N	91° 33.124' W
M23-3633	62° 54.397' N	91° 33.087' W
M23-3634	62° 54.245' N	91° 33.322' W
M23-3635	62° 54.439' N	91° 33.705' W
M23-3636	62° 55.813' N	91° 47.126' W
M23-3637	62° 58.518' N	91° 59.780' W
M23-3638	62° 59.183' N	92° 0.563' W

4. The Licensee shall determine the GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) of all drill holes located within thirty one (31) metres of the ordinary High Water Mark, as per Part F Item 2, and provide these locations on a map of suitable scale for review as part of the Annual Report.

- *No hole was drilled within thirty one metres of the ordinary High Water Mark.*

5. The Licensee shall establish background and post drilling water quality for pH, conductivity, temperature and dissolved oxygen at the nearest downstream water body to drill locations. Monitoring is to be done prior to commencement of drilling and weekly thereafter, concluding one week after drilling has been completed and the site restored.

- *N/A*

6. The Licensee shall obtain representative samples of the Water column below any ice where required under Part F, Item 8 and 9. Monitoring shall include but not be limited to the following:

Total Suspended Solids

pH

Electrical Conductivity, Total Trace Metals as determined by a standard ICP Scan (to include at a minimum, the following elements: Al, Sb, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Li, Mn, Mo, Ni, Se, Sn, Sr, Tl, Ti, U, V, Zn), and

Trace Arsenic and Mercury

- *Four (4) holes were drilled on lake in April 2023. The lake was frozen to bottom consequently, there was no water sample taken. The locations of these holes are the following:*

Table 4, holes drilled on ice 2023

Hole	Latitude	Longitude
M23-3603	62° 55' 3.138" N	91° 45' 23.724" W
M23-3604	62° 55' 5.026" N	91° 45' 32.636" W
M23-3605	62° 55' 3.052" N	91° 45' 16.820" W
M23-3606	62° 55' 6.297" N	91° 45' 18.273" W

7. The Licensee shall establish baseline water quality conditions prior to drilling within thirty one (31) metres of the ordinary High Water Mark as per Part F, Items 2 and 4. Monitoring shall include the following:
Total Suspended Solids
Turbidity
pH
Electrical Conductivity,
Total Trace Metals as determined by a standard ICP Scan (to include at a minimum, the following elements: Al, Sb, Ba, Be, Cd, Cr, Co, Cu, Fe, Pb, Li, Mn, Mo, Ni, Se, Sn, Sr, Tl, Ti, U, V, Zn), and
Trace Arsenic and Mercury

- *No hole was drilled within thirty one metres of the ordinary High Water Mark.*

8. The Licensee shall, where turbidity is observed in adjacent waters or waters immediately downstream of any drilling program conducted within thirty one (31) metres of the ordinary High Water Mark of any Water body, during summer following any such drilling program as per Part F Item 4 (c), conduct additional monitoring of the parameters listed in Part J Item 7 to determine whether any further mitigation is required.

- *N/A*

9. All sampling, sample preservation and analyses shall be conducted in accordance with methods prescribed in the current edition of *Standard Methods for the Examination of Water and Wastewater*, or by such other methods approved by the Board in writing.

- *N/A*

10. All analyses shall be performed in a laboratory accredited according to ISO/IEC Standard 17025. The accreditation shall be current and in good standing.

- *N/A*

k. Any other details on Water use or Waste

- *No other details to provide.*