



AGNICO EAGLE

ANNUAL REPORT 2021: WATER LICENCE 2BE-MEP1828

**PRESENTED TO
NUNAVUT WATER BOARD**

MARCH 2022

Contact:

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Water licence 2BB-MEA1318, Part B item 2:

2. The Licencee 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;

- *Water was used for drilling under this water licence between April and October.*

Table 1, Water use 2021

Months	Water usage m ³ /day	
April	15m ³ /day	Water use for 9 days in April
May	28.7m ³ /day	Water use for 3 days in May
June	24.3 m ³ /day	Water use for 17 days in June
July	0	
August	24.4 m ³ /day	Water use for 11 days in August
September	26.4m ³ /day	
October	30.5m ³ /day	Water use for 4 days in October

- *All the 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. Only the cutting was disposed of at the drill sites.*

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- *All the water obtained in 2021 for the drilling under this water licence was withdrawn from sources located on Inuit-Owned Lands.*

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 obtained in 2021 on Crown Land.*

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

- *All the 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.*

- e. Quantity of Waste backhauled to approved facility for disposal;
- *Waste generated during exploration activities in this area was transported to the Meliadine Mine site where it was segregated and disposed of according to the waste management plan along with the waste generated by the mine site.*
- f. A list of unauthorized discharges and a summary of follow-up actions taken;
- *No unauthorized discharges occurred under this licence in 2021.*
- 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 revisions proposed.*
- 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 reclamations included the removal of remaining material and drill casings 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 2021 under this water licence and no relevant construction activities, modifications or major maintenance work are planned for 2022.*
- i. Report all artesian flow occurrences as required under Part F, Item;
- *No artesian flow occurrences encountered in 2021.*
- j. A summary of all information requested and results of the Monitoring Program;

PART J: CONDITIONS APPLYING TO THE MONITORING PROGRAM

1. The Licencee 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.

- *Please see part B item 2a.*

2. The Licencee 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 location

Purpose	Latitude	Longitude
Drilling	62° 57' 53.319" N	91° 59' 9.027" W
Drilling	63° 0' 42.915" N	92° 15' 29.956" W
Drilling	63° 0' 58.247" N	92° 8' 29.840" W
Drilling	62° 58' 12.745" N	91° 58' 16.093" W
Drilling	62° 58' 15.806" N	91° 57' 48.292" W
Drilling	62° 58' 14.768" N	91° 57' 47.761" W

3. The Licencee 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.

- *All the 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 cutting was disposed of at the following locations:*

Table 3, Cutting disposal location

Holes	Latitude	Longitude
Cutting disposal hole M21-3264	63° 0' 48.188" N	92° 15' 18.800" W
Cutting disposal hole M21-3265	63° 0' 49.833" N	92° 15' 30.420" W
Cutting disposal hole M21-3266	63° 0' 53.394" N	92° 8' 34.179" W
Cutting disposal hole M21-3267	63° 0' 56.365" N	92° 8' 39.141" W
Cutting disposal hole M21-3268	62° 58' 9.757" N	91° 58' 9.595" W
Cutting disposal hole M21-3269	62° 58' 15.484" N	91° 58' 1.724" W
Cutting disposal hole M21-3270	62° 58' 12.412" N	91° 57' 57.075" W
Cutting disposal hole M21-3290	62° 58' 12.412" N	91° 57' 57.075" W
Cutting disposal hole M21-3291	62° 58' 9.945" N	91° 58' 17.612" W
Cutting disposal hole M21-3292	62° 58' 9.757" N	91° 58' 9.595" W
Cutting disposal hole M21-3293	62° 58' 10.468" N	91° 58' 22.848" W
Cutting disposal hole M21-3294	62° 58' 15.629" N	91° 57' 41.836" W
Cutting disposal hole M21-3295	62° 58' 14.118" N	91° 57' 47.287" W
Cutting disposal hole M21-3296	62° 58' 14.078" N	91° 57' 41.820" W
Cutting disposal hole M21-3297	62° 58' 15.958" N	91° 57' 38.203" W
Cutting disposal hole M21-3298	62° 58' 16.641" N	91° 57' 43.292" W
Cutting disposal hole M21-3299	62° 58' 15.861" N	91° 57' 38.278" W

For the holes M21-3260, M21-3261, M21-3262 and M21-3263, the cutting was settled in a decantation tank then transported to Meliadine mine site for disposal.

4. The Licencee 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 drilling was conducted within thirty-one (31) metres of the Ordinary High Water Mark.*

5. The Licencee 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.

- *No drilling was conducted within thirty-one (31) metres of the Ordinary High Water Mark.*

6. The Licencee 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

- *No drilling on ice was conducted under this licence in 2021.*

7. The Licencee 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 drilling was conducted within thirty-one (31) metres of the Ordinary High Water Mark.*

8. The Licencee 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.

- *No drilling was conducted within thirty-one (31) metres of the Ordinary High Water Mark.*

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.*