



# **AGNICO EAGLE**

**ANNUAL REPORT 2020: WATER LICENCE 2BB-MEA1828**

**PRESENTED TO  
NUNAVUT WATER BOARD**

**MARCH 2021**

**Contact:**

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**Water licence 2BB-MEA1828, Part B item 6:**

**6. 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 from January to September*

*Table 1, Water use*

Month	Water usage m <sup>3</sup> /day
January	12.4
February	26.0
March	38.4
April	33.6
May	36.3
June	0.0
July	0.0
August	25.1
September	36.0
October	0.0
November	0.0
December	0.0

- *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;

- *Since this requirement was added to the Amendment of the licence emitted during the year 2020, this differentiation between the volume withdrawn on Inuit-Owned Lands vs Crown Land is not available for 2020, but will be done starting in 2021.*

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

- *Since this requirement was added to the Amendment of the licence emitted during the year 2020, this differentiation between the volume withdrawn on Inuit-Owned Lands vs Crown Land is not available for 2020, but will be done starting in 2021.*

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. No other disposal method was undertaken in 2020*

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

- *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. No other disposal method was undertaken in 2020*

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

- *No unauthorized discharges occurred under this licence in 2020.*

g. Any revisions to the Spill Contingency Plan, Water Management Plan, Waste Management Plan, Quarry Management Plan, and Abandonment and Restoration Plan as required by Part B, Item 7, submitted in the form of an Addendum;

Part B, item 12. The Licencee shall review the Plans referred to in this Licence, as required by changes in operation and/or technology, and modify the Plan accordingly. Revisions to the Plans shall be submitted in the form of an Addendum to be included with the Annual Report.

- *The updated Spill Contingency Plan was submitted to the Board on September 29<sup>th</sup>, 2020, and the Quarry Management Plan, the Waste Management Plan, and the Conceptual Closure and Reclamation Plan were submitted to the Board on October 28<sup>th</sup>, 2020. No other updates are proposed at this time.*

i. Report all artesian flow occurrences as required under Part F, Item4;

- *No artesian flow occurrences encountered in 2020.*

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 at Monitoring Program Station MEA-1, drilling and other purposes.

- *Please see part B items 6-a,b,c*

2. The Licencee shall, at a minimum, maintain Monitoring Stations at the following locations:

Monitoring Station	Description	Status
MEA-1	Amaruq Camp Water Intake	Volume
MEA-2	Effluent discharged from the Wastewater Treatment System (WWTS)	Volume and Effluent Quality
MEA-3	Effluent discharged from the Fuel Storage Facility	Volume and Effluent Quality

- *Since the Amaruq exploration camp was not relocated in 2020, this monitoring is not active.*

3. The Licencee shall sample the effluent discharging from the WWTS at Monitoring Station MEA-2 prior to its release into environment in order to provide confirmation of effluent quality as required by Part D, Item 11, for the following parameters: pH, Fecal Coliform, Biochemical Oxygen Demand (BOD5), Oil and Grease, Total Suspended Solids (TSS).

- *Since the Amaruq exploration camp was not relocated in 2020, this monitoring is not active yet.*

4. The licensee shall sample the effluent discharging from the WWTS at Monitoring Station MEA-3 prior to its release into environment in order to provide confirmation of effluent quality as requires by Part D, item 14.

- *Since the Amaruq exploration camp was not relocated in 2020, this monitoring is not active yet.*

5. The Licensee shall sample the effluent discharging from Trench Water Containment prior to its release into environment in order to provide confirmation of effluent quality as required by part D, item 15.

- *No trench dug in 2020.*

6. 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 location*

Details	Latitude	Longitude
Water intake for drilling	65° 16' 45.199" N	96° 23' 38.840" W
Water intake for drilling	65° 15' 20.845" N	96° 23' 55.252" W
Water intake for drilling	65° 14' 51.959" N	96° 25' 14.944" W
Water intake for drilling	65° 14' 12.201" N	96° 2' 36.372" W
Water intake for drilling	65° 14' 42.393" N	96° 3' 22.042" W
Water intake for drilling	65° 13' 41.935" N	96° 24' 7.068" W
Water intake for drilling	65° 25' 25.580" N	96° 41' 24.929" W
Water intake for drilling	65° 23' 48.540" N	96° 45' 59.340" W

7. 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 drilling operations are deposited.

- *No exploration camps were in activity in 2020 under this water licence. The drilling cutting was disposed of at the following locations:*

Table 3, Cutting disposal location

Details	Latitude	Longitude	Details	Latitude	Longitude
Cutting Disposal	65° 6' 0.352" N	95° 57' 33.202" W	Cutting Disposal	65° 15' 36.150" N	96° 23' 47.036" W
Cutting Disposal	65° 5' 12.451" N	95° 52' 51.982" W	Cutting Disposal	65° 15' 16.692" N	96° 24' 49.936" W
Cutting Disposal	65° 5' 17.642" N	95° 52' 30.421" W	Cutting Disposal	65° 15' 33.895" N	96° 23' 50.807" W
Cutting Disposal	65° 5' 36.958" N	96° 17' 36.097" W	Cutting Disposal	65° 15' 31.810" N	96° 23' 55.432" W
Cutting Disposal	65° 6' 15.703" N	96° 17' 48.228" W	Cutting Disposal	65° 15' 28.396" N	96° 23' 54.720" W
Cutting Disposal	65° 6' 28.578" N	96° 15' 8.800" W	Cutting Disposal	65° 15' 35.223" N	96° 23' 54.681" W
Cutting Disposal	65° 5' 33.869" N	96° 17' 28.636" W	Cutting Disposal	65° 14' 53.752" N	96° 25' 17.034" W
Cutting Disposal	65° 14' 14.676" N	96° 2' 55.046" W	Cutting Disposal	65° 14' 57.832" N	96° 25' 18.640" W
Cutting Disposal	65° 14' 11.149" N	96° 3' 0.316" W	Cutting Disposal	65° 15' 15.634" N	96° 24' 57.169" W
Cutting Disposal	65° 14' 19.707" N	96° 2' 46.270" W	Cutting Disposal	65° 15' 13.988" N	96° 24' 52.427" W
Cutting Disposal	65° 14' 43.841" N	96° 3' 18.079" W	Cutting Disposal	65° 15' 22.345" N	96° 24' 48.214" W
Cutting Disposal	65° 13' 35.815" N	96° 24' 8.136" W	Cutting Disposal	65° 15' 15.444" N	96° 24' 36.185" W
Cutting Disposal	65° 13' 49.604" N	96° 23' 31.208" W	Cutting Disposal	65° 15' 39.151" N	96° 23' 48.521" W
Cutting Disposal	65° 15' 31.470" N	96° 23' 45.100" W	Cutting Disposal	65° 15' 25.924" N	96° 23' 57.152" W
Cutting Disposal	65° 15' 35.059" N	96° 23' 34.792" W	Cutting Disposal	65° 15' 33.287" N	96° 23' 40.846" W
Cutting Disposal	65° 15' 30.161" N	96° 23' 49.762" W	Cutting Disposal	65° 15' 32.719" N	96° 23' 50.816" W
Cutting Disposal	65° 15' 30.144" N	96° 23' 49.725" W	Cutting Disposal	65° 15' 30.283" N	96° 23' 55.573" W
Cutting Disposal	65° 15' 21.383" N	96° 24' 18.267" W	Cutting Disposal	65° 15' 37.283" N	96° 23' 49.247" W
Cutting Disposal	65° 15' 18.273" N	96° 24' 47.008" W	Cutting Disposal	65° 16' 50.986" N	96° 23' 39.687" W
Cutting Disposal	65° 15' 33.613" N	96° 23' 44.478" W	Cutting Disposal	65° 25' 18.961" N	96° 40' 45.947" W
Cutting Disposal	65° 14' 59.301" N	96° 25' 16.314" W	Cutting Disposal	65° 25' 20.014" N	96° 40' 40.887" W
Cutting Disposal	65° 15' 20.668" N	96° 24' 49.424" W	Cutting Disposal	65° 23' 51.645" N	96° 45' 57.294" W
Cutting Disposal	65° 15' 26.420" N	96° 24' 33.306" W	Cutting Disposal	65° 23' 48.753" N	96° 46' 2.813" W

8. 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 in 2020 within thirty-one (31) metres of the ordinary High Water.*

9. 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 just prior to commencement of drilling and weekly thereafter, concluding one week after drilling has been completed and the site restored.

- *No drilling was conducted in 2020 within thirty-one (31) metres of the ordinary High Water.*

k. Any other details on Water use or Waste.

- *No other details to provide.*

l. GPS co-ordinates (in degrees, minutes and seconds of latitude and longitude) for the locations of all temporary camps established in support of the project if the actual coordinates differ from that provided in the application;

- *No temporary camps installed under this water licence in 2020.*

m. A summary, including photographic records before, during and after any relevant construction activities or Modifications and/or major maintenance work carried out on facilities under this Licence and an outline of any work anticipated for the next year;

- *No relevant construction activities or modification or major maintenance work were carried out in 2020 under this water licence and no relevant construction activities or modifications or major maintenance work are planned for 2021 either.*

n. Detailed discussion on the performance, installation, and evaluation, including the use of photographic record, of the primary and secondary containment functions used in fuel storage to safeguard impacts to freshwaters;

- *Since the Amaruq Exploration Camp site has not been relocated yet, fuel tanks under the water licence 2BB-MEA1828 are only the 3 double wall fuel tanks located at the Meadowbank exploration camp site.*

o. An updated estimate of the current restoration liability required under Part B, Item 2, based upon the results of restoration assessment, project development monitoring and any changes or Modifications to the project;

- *An update of the Conceptual Closure and Reclamation Plan was submitted to the Board on October 28<sup>th</sup>, 2020, including an updated restoration estimate.*



p. A summary of public consultation/participation in relation to Water use and/or Waste deposit, describing consultation with local organizations and residents of the nearby communities, if any were conducted.

- *With the COVID-19 pandemic, exploration activities were all conducted in the vicinity and based from the mine sites to avoid any visit in the communities so as to reduce the risks associated to COVID-19 transmission.*

***Discussions oriented toward exploration projects in 2020 included:***

- *May 27<sup>th</sup>, 2020, Teleconference with Baker Lake Mayor to review and discuss the exploration activities for the season.*
- *June 24<sup>th</sup>, 2020, Teleconference with Whale Cove Mayor and SAO to review and discuss exploration activities*

q. Any other details on Water use or Waste disposal requested by the Board by the 1<sup>st</sup> November of the year being reported.

- *No other details requested by the Board by the 1<sup>st</sup> November 2020.*