ANNUAL REPORT 2024: WATER LICENCE 2BB-MEA1828

PRESENTED TO

NUNAVUT WATER BOARD

MARCH 2025

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;

- *Under the water licence 2BB-MEA1828, water was used only for drilling from February to September. Table 1 details the volume used per month.*

Table 1, Water Use in 2024

Month	Water usage m^3/day	Details
January	-	-
February	50.3	6 days of water usage in February
March	50.5	-
April	34.0	3 days of water usage in April
May	44.9	-
June	75.7	-
July	51.8	16 days of water usage in July
August	59.0	3 days of water usage in August
September	56.8	16 days of water usage in September
October	-	-
November	-	-
December	-	-

- *All the waste generated during the exploration activities conducted under this water licence was transported to the mine site where it was segregated according to the waste management in place. Only the cutting generated by the drilling was disposed of near the drill sites with locations detailed in Table 4.*

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;

- *Water on Inuit-owned Lands was used for diamond drilling in May, June and September with a daily average of 52.7 m^3/day during drilling activity.*

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;

- *Water on Crown Lands was used for diamond drilling between February and September with a daily average of 50.0 m^3/day during drilling activity.*

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 according to the waste management in place.*

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

- *NA*

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

Table 2. Spill Summary

Date of Spill	Hazardous Material	Quantity	Units (L / Kg / m3)	Site	Location	Clean-up action taken	Follow-Up Report Sent	GN Reference #
2024-02-28	Engine Oil	1	L	Meadowbank	Unnamed Lake,15w 0360856-7223807	Contaminated snow and material was picked up and brought to the MBK TSF	2024-03-18	2024-055
2024-05-08	Engine Oil	1	L	Meadowbank	Unnamed Lake, approximately 11km NE of Wally Lake	Hand shovels were used to retrieve the contaminated snow and ice, which was then brought to the Meadowbank Tailings Storage Facility.	2024-06-03	2024-143
2024-05-28	Engine Oil	5	L	Meadowbank	Unnamed Lake, approximately 680m N of Wally Lake	Hand shovels were used to retrieve approximately three 20L bags of contaminated snow and ice, which was then brought to the Meadowbank Tailings Storage Facility. Spill absorbents material was used to collect the oil from on top of the ice and brought to the Meadowbank Hazmat facility.	2024-06-27	2024-194

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;

- *No plan updates are proposed.*

i. Report all artesian flow occurrences as required under Part F, Item 4;

- *No artesian flow occurrences encountered in 2024.*

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.

- *This information is detailed in part B items 6-a, b, c*

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

Table 3. Monitoring Stations

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 2024, 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 2024, this monitoring is not active.*

4. The licencee 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 2024, this monitoring is not active.*

5.The Licencee 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 2024.*

6. 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 4, Drilling water intake locations 2024

Latitude	Longitude
65° 9' 52.351" N	96° 6' 18.558" W
65° 9' 13.100" N	96° 8' 3.976" W
65° 4' 42.445" N	96° 20' 48.761" W
65° 9' 58.445" N	96° 8' 16.509" W
65° 6' 13.990" N	96° 20' 31.185" W
64° 38' 31.189" N	96° 15' 8.609" W
64° 36' 26.992" N	96° 23' 34.498" W
65° 7' 10.778" N	96° 15' 32.262" W
65° 7' 10.778" N	96° 15' 32.262" W
64° 38' 4.231" N	96° 14' 4.980" W
65° 8' 56.328" N	96° 0' 48.909" W
65° 11' 12.942" N	96° 2' 13.519" W
65° 10' 23.132" N	96° 7' 5.766" W
65° 9' 59.092" N	96° 5' 5.866" W
65° 9' 36.816" N	96° 2' 4.327" W
65° 11' 20.834" N	96° 0' 10.075" W
65° 10' 43.621" N	96° 1' 36.087" W
65° 6' 28.890" N	95° 57' 48.594" W
65° 6' 57.524" N	95° 58' 41.898" W
65° 6' 57.524" N	95° 58' 41.898" W
65° 6' 35.608" N	95° 57' 34.228" W
65° 8' 41.745" N	95° 53' 54.747" W
65° 8' 41.849" N	95° 53' 54.715" W
65° 9' 37.339" N	95° 54' 52.063" W
65° 7' 57.610" N	95° 58' 46.867" W
65° 9' 2.126" N	95° 58' 21.529" W
65° 9' 2.126" N	95° 58' 21.529" W
65° 9' 2.126" N	95° 58' 21.529" W
65° 9' 2.126" N	95° 58' 21.529" W

7. 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 drilling operations are deposited.

- *No exploration camp was operated in 2024 under this water licence. Drilling cutting was disposed of at the following locations:*

Table 5, Cutting disposal locations 2024

Latitude	Longitude
65° 9' 47.578" N	96° 6' 22.583" W
65° 4' 56.996" N	96° 21' 5.925" W
65° 9' 57.064" N	96° 7' 59.041" W
65° 9' 59.335" N	96° 8' 31.178" W
65° 4' 57.241" N	96° 20' 57.735" W
65° 6' 10.876" N	96° 20' 33.176" W
65° 6' 16.657" N	96° 20' 20.872" W
65° 6' 14.778" N	96° 20' 19.392" W
65° 6' 15.231" N	96° 20' 20.152" W
64° 38' 29.293" N	96° 15' 19.255" W
64° 38' 30.412" N	96° 15' 19.491" W
64° 38' 26.733" N	96° 15' 21.200" W
65° 6' 17.356" N	96° 20' 9.251" W
64° 36' 20.538" N	96° 23' 31.272" W
64° 38' 15.893" N	96° 14' 14.201" W
64° 38' 15.658" N	96° 14' 13.697" W
65° 7' 9.468" N	96° 15' 18.968" W
64° 38' 17.488" N	96° 13' 38.669" W
64° 38' 12.786" N	96° 14' 15.032" W
64° 38' 11.965" N	96° 14' 16.296" W
65° 9' 0.619" N	96° 0' 48.934" W
65° 9' 1.076" N	96° 0' 49.734" W
65° 9' 1.606" N	96° 0' 50.825" W
65° 11' 0.311" N	96° 2' 28.611" W
65° 10' 59.863" N	96° 2' 28.815" W
65° 6' 57.283" N	96° 49' 18.577" W
65° 6' 55.872" N	96° 49' 17.202" W
65° 6' 53.823" N	96° 49' 11.820" W
65° 6' 54.277" N	96° 49' 12.072" W
65° 6' 58.295" N	96° 49' 21.734" W
65° 11' 16.012" N	96° 1' 52.795" W
65° 6' 53.782" N	96° 49' 11.896" W
65° 10' 3.509" N	96° 7' 44.728" W
65° 9' 55.874" N	96° 5' 3.567" W
65° 9' 43.019" N	96° 1' 54.568" W
65° 9' 43.603" N	96° 1' 57.864" W
65° 9' 43.722" N	96° 1' 57.911" W
65° 9' 28.933" N	96° 3' 0.029" W
65° 9' 30.193" N	96° 3' 0.554" W
65° 9' 27.702" N	96° 3' 12.330" W
65° 10' 43.842" N	96° 0' 48.373" W
65° 6' 52.321" N	95° 58' 28.116" W
65° 8' 37.209" N	95° 54' 20.319" W
65° 8' 40.924" N	95° 54' 11.308" W
65° 9' 39.535" N	95° 54' 42.530" W
65° 9' 39.777" N	95° 54' 36.100" W
65° 7' 47.653" N	95° 58' 40.376" W
65° 7' 46.716" N	95° 58' 40.348" W
65° 8' 45.345" N	95° 58' 31.404" 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 hole was drilled within thirty-one metres from the High Water Mark in 2024.*

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 hole was drilled within thirty-one metres from the High Water Mark in 2024.*

10. The Licensee shall obtain representative samples of the Water column below any ice where required under Part F, Item 9 and 10. Monitoring shall include but not limited to the following

Table 6, Monitoring required when drilling on ice

Group	Parameters
Physical Parameters	pH, electrical conductivity, total suspended solids.
Major Ions	Calcium, chloride, magnesium, potassium, sodium, sulphate.
Total Metals	Aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, chromium, copper, iron, lead, lithium, manganese, mercury, molybdenum, nickel, selenium, silver, strontium, tin, titanium, uranium, vanadium and zinc.

- *Only one hole was drilled on a lake that was not frozen to bottom. Location and sampling results are detailed in table below.*

Table 7. Drilling on ice water samples

Sampling Date	Before, During, or After Drilling	Sample ID	Coordinates (X,Y)	Cond	Hardness	pH	Tss (mg/L)	Ag (mg/L)	Al (mg/L)	As (mg/L)	Ba (mg/L)	Be (mg/L)	B (mg/L)	Ca (mg/L)	Cd (mg/L)	Cl (mg/L)	Co (mg/L)	Cr (mg/L)	Cu (mg/L)	Fe (mg/L)	Pb (mg/L)	K (mg/L)	Li (mg/L)	Mg (mg/L)	Mn (mg/L)	Hg (mg/L)	Mo (mg/L)	Na (mg/L)	Ni (mg/L)	Sb (mg/L)	Se (mg/L)	Sn (mg/L)	SO4 (Sulphate) (mg/L)	Sr (mg/L)	Ti (mg/L)	Tl (mg/L)	U (mg/L)	V (mg/L)	Zn (mg/L)
2024-04-28	Before	TIR24-A	(15 W 363481/ 7229499)	334		6.61	<1	<0.0001	0.025	0.001	0.0287	<0.0005	<0.002	31.5	<0.00002	3.6	<0.0005	<0.0006	0.004	0.37	<0.00017	1.94	<0.005	17.43	0.042	<0.00001	<0.0005	4.14	0.0109	<0.0001	<0.0005	<0.001	94.2	0.131	<0.01	<0.0002	<0.001	<0.0005	0.005
2024-05-08	After	TIR24-A	(15 W 363481/ 7229499)	354		6.91	1	<0.0001	0.009	0.0011	0.0295	<0.0005	<0.002	34.6	<0.00002	3.4	<0.0005	<0.0006	0.0035	0.63	<0.00017	2.16	<0.005	18.56	0.0771	<0.00001	<0.0005	4.34	0.0128	<0.0001	<0.0005	<0.001	93.5	0.146	<0.01	<0.0002	<0.001	<0.0005	0.001

11. 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 3. Monitoring shall include the following.

Table 8, Monitoring when drilling within thirty-one (31) meters from water

Group	Parameters
Physical Parameters	pH, electrical conductivity, total suspended solids, turbidity.
Major Ions	Calcium, chloride, magnesium, potassium, sodium, sulphate.
Total Metals	Aluminum, antimony, arsenic, barium, beryllium, boron, cadmium, chromium, copper, iron, lead, lithium, manganese, mercury, molybdenum, nickel, selenium, silver, strontium, tin, titanium, uranium, vanadium and zinc.

- *No hole was drilled within thirty-one metres from the High Water Mark in 2024*

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 camp installed under this water licence in 2024.*

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, modifications or major maintenance work were carried out in 2024 under this water licence and no relevant construction activities, modifications or major maintenance work are planned for 2025.*

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 has not been relocated yet, fuel tanks under the water licence 2BB-MEA1828 include only 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 28th, 2020, including an updated restoration estimate.*

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

- *Please see the summary on engagement in appendix A summarizing discussions in regard to exploration activities.*

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

- *No other details requested by the Board by the 1st November.*

Appendix A

Summary on engagement

In 2024, Agnico Eagle ensured two-way communication on the Regional Exploration Program by providing regular updates through on-going communication channels including Public Coffee and Chats, Kivalliq Community Tour, Kivalliq Regional Mayors Meeting, Kivalliq Elders Advisory Committee and several site visits.

In total, exploration programs were discussed through (10) engagement events in 2024:

1) Site visits to Meadowbank Mine Site

In September 2024, Agnico Eagle hosted (4) site visits at its Meadowbank Complex which included over 90 individuals. These four visits aimed to consult with various groups and discuss closure related topics and the exploration program at the core shack.

- Site Visit at Meadowbank with Baker Lake Public (September 7th, 2024)
- Site Visit at Meadowbank with Baker Lake HTO and Elders (September 8th, 2024)
- Site Visit at Meadowbank with Baker Lake Hamlet, Mayor, and Baker Lake MLA (September 9th, 2024)
- Site Visit at Meadowbank with Grade 9 Youth from Baker Lake High School (September 13th, 2024)

No concerns were shared regarding Regional Exploration activities.

Site Visit at Meadowbank with Baker Lake Public (September 7th, 2024)

2) Site visit to Meliadine Mine Site

On August 2nd, 2024, Agnico Eagle toured the Meliadine Mine Site with representatives of the Kivalliq Wildlife Board. As part of this visit several topics were discussed including Helicopter Protocols and Exploration activities. No concerns shared regarding exploration activities.

3) Coffee and chat

The coffee and chat are a recurrent public mechanism with the following objectives:

- To be present in town/be accessible to listen to and answer people's questions/concerns/suggestions
- Having transparent, open and honest discussions with community members.
- Chat with community members.

Exploration programs and information were discussed ;

- Baker Lake (January, 31st 2024)
- Rankin Inlet (November 20th, 2024)

We received a number of requests for additional details on our exploration campaign including how far from the Discovery area it is, how far from Peter Lake it is and potential impacts of drillhole on caribou and humans. All questions were addressed and items resolved.

4) Meetings with Hamlets

- Meeting with Coral Harbor Hamlet and Hunters and Trappers (February 27th, 2024) to provide Sealift and Operational Updates including 2024 Exploration Program.

- Meeting with Chesterfield Hamlet and Hunters and Trappers (February 27th, 2024) to provide Sealift and Operational Updates including 2024 Exploration Program.
- Meeting with Kivalliq Mayors to provide Operational Updates including 2024 Exploration Program.

No concerns were shared regarding Regional Exploration activities.