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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File No: **2BE-MEL2434**

May 16, 2024

Manon Turmel
Permitting and Regulatory Affairs Superintendent
Agnico Eagle Mines Limited
11600 rue Louis-Bisson
Mirabel, Quebec, Canada J7N 1G9

Email: manon.turmel@agnicoeagle.com

RE: NWB Water Licence No: 2BE-MEL2434

Dear Ms. Turmel:

Please find attached Licence No: **2BE-MEL2434** issued to Agnico Eagle Mines Limited by the Nunavut Water Board (NWB or Board) pursuant to its authority under Article 13 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in Right of Canada* (Nunavut Agreement). The terms and conditions of the attached Licence related to water use and waste disposal are an integral part of this approval.

If the Licensee contemplates the renewal of this Licence, it is the responsibility of the Licensee to apply to the NWB for its renewal. The past performance of the Licensee, new documentation and information, and issues raised during a public hearing, if the NWB is required to hold one, will be used to determine the terms and conditions of the Licence renewal. Note that if the Licence expires before the NWB issues a new one, then water use and waste disposal must cease, or the Licensee may be in contravention of the *Nunavut Agreement* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NWNSTRA or Act). However, the expiry or cancellation of a licence does not relieve the holder from any obligations imposed by the licence. The NWB recommends that an application for the renewal of this Licence be filed at least **three (3) months** prior to the Licence expiry date.

It should be noted that in accordance with Section 75(1)(a) of the *Nunavut Planning and Project Assessment Act* (NuPPAA), the Board is not allowed to issue a permit or authorization for any project proposal that has not been submitted to the Nunavut Planning Commission (NPC) in accordance with Section 76 of NuPPAA.

If the Licensee contemplates or requires an amendment to this licence, the NWB may decide, in the public interest, to hold a public hearing. The Licensee should submit applications for

amendment as soon as possible to give the NWB sufficient time to go through the amendment process. The process and timing may vary depending on the scope of the amendment, however a minimum of **sixty (60) days** is required from time of acceptance by the NWB. It is the responsibility of the Licensee to ensure that all application materials have been received and are acknowledged by the Manager of Licensing.

The NWB strongly recommends that the Licensee consult the comments received by interested persons on issues identified. This information is attached for your consideration.¹

Sincerely,

Lootie Toomasie
Nunavut Water Board
Chair

LT/as/rh

Enclosure: Licence No: **2BE-MEL2434**
Comments – CIRNA, ECCC and KivIA

Cc: Kivalliq Distribution List

¹ Crown-Indigenous Relations and Northern Affairs Canada (CIRNA), January 19, 2024; Environment and Climate Change Canada (ECCC), January 19, 2024; Kivalliq Inuit Association (KivIA), January 22, 2024

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DECISION

LICENCE NUMBER: 2BE-MEL2434

This is the decision of the Nunavut Water Board (NWB) with respect to the application received on December 1, 2023 for a renewal/amendment of a Water Licence made by:

AGNICO-EAGLE MINES LIMITED

to allow for the use of Water and disposal of Waste during camp operations and activities related to Mining that include exploration, drilling on land and on ice, and trenching at the Meliadine West Gold Project located within the Kivalliq Region, Nunavut generally located at the geographical coordinates as follows:

Project Extents:

NW:	Latitude: 63° 07' 41.00" N	Longitude: 92° 54' 07.89" W
NE:	Latitude: 63° 07' 22.00" N	Longitude: 91° 56' 35.99" W
SE:	Latitude: 62° 50' 51.00" N	Longitude: 91° 56' 15.00" W
SW:	Latitude: 62° 50' 43.50" N	Longitude: 92° 52' 58.95" W

Camp Location: Latitude: 63° 01' 43.00" N Longitude: 92° 10' 12.00" W

DECISION

After having been satisfied that the application was in conformity with the Keewatin Regional Land Use Plan¹ and was previously screened by the Nunavut Impact Review Board (NIRB)² under section 12.4.3 of the Nunavut Agreement, the NWB decided that the application could proceed through the regulatory process. In accordance with s. 55.1 of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NWNSRTA or Act) and Article 13 of the Nunavut Agreement, public notice of the application was given and interested persons were invited to make representations to the NWB.

After reviewing the submission of the Applicant and considering the representations made by interested persons, the NWB, having given due regard to the facts and circumstances, the merits of the submissions made to it and to the purpose, scope and intent of the Nunavut Agreement and of the Act, waived the requirement to hold a public hearing, and determined that:

Licence No: 2BB-MEL1424 be renewed as Licence No: 2BE-MEL2434 subject to the terms and conditions contained therein (Motion #: 2024-B1-002).

Signed this 16th day of May 2024 at Gjoa Haven, NU.

Lootie Toomasie
Nunavut Water Board
Chair

LT/as/rh

¹ Nunavut Planning Commission (NPC) Conformity Determination, dated November 11, 2023.

² Nunavut Impact Review Board (NIRB) Screening Decision, dated July 4, 2014 (File No. 11MN034)

I. BACKGROUND

The Meliadine West Gold (Project), operated by Agnico Eagle Mines Limited (Agnico Eagle), is located approximately 25 kilometres (km) north of Rankin Inlet, and 80 km southwest of Chesterfield Inlet in the Kivalliq Region of Nunavut. Situated on the western shore of Hudson Bay, the Project site is located on a peninsula between the east, south, and west basins of Meliadine Lake.

The lands in the exploration area are Inuit Owned Lands (IOL) pursuant to the *Nunavut Agreement*. Land use for the exploration activities has been authorized by the Kivalliq Inuit Association (KivIA), the regional Inuit Association who holds title to IOL in the Kivalliq Region of Nunavut.

The exploration camp, with a capacity for up to 75 persons, is located approximately five metres above lake level on a peninsula surrounded on three sides by Meliadine Lake.

II. PROCEDURAL HISTORY

On **December 1, 2023**, the Agnico Eagle submitted a Renewal / Amendment Application (Application) to renew the current Licence 2BB-MEL1424. The following documents were submitted by the Applicant:

- Renewal Amendment Application form
- Summaries – Inuktitut and English
- Amendment description document
- Landfarm Management Plan, dated December 2023
- Water Management Plan, dated December 2023
- Interim Reclamation and Closure Plan, dated December 2023

On **December 8, 2023**, the NWB concluded that the Application generally met the requirements of section 48(1) of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NWNSRTA or Act) and forwarded notice of the Application to interested parties. All parties were invited to make representations to the NWB by **January 19, 2024**.

Submissions were received from Crown Indigenous Relations and Northern Affairs Canada (CIRNAC) and Environment and Climate Change Canada (ECCC) on January 19, 2024. The Kivalliq Inuit Association (KivIA) submitted comments on January 22, 2024. The Applicant submitted responses to the Interveners' comments on **February 6, 2024**.

On February 19, 2024, CIRNAC and ECCC submitted follow-up requests. The Applicant submitted responses to the Interveners' follow-up requests on **February 29, 2024**.

On March 13, 2024, ECCC responded that all their information requests are resolved except one that could be resolved including it as a condition in the Licence by NWB.

CIRNA submitted a correspondence on March 13, 2024 agreeing with Agnico Eagle's responses

relating to removal of Monitoring Station MEL-5. CIRNAC also advised that the remainder of CIRNA’s IRs were outstanding which needed to be resolved before the NWB could move forward.

On April 11, 2024, Agnico Eagle and CIRNAC joined the NWB for a teleconference call to discuss outstanding issues. One of the issues discussed during this call was whether the Licence may be renewed as a “2BE” type Licence instead of “2BB”. Other discussions included the reallocation of security from this Licence to Licence 2AM-MEL1631 (an amendment application is currently being processed), waste disposal activities and extension of Licence boundaries to include the extents currently approved under the Licence 2BE-PTR2227. In conclusion, it was agreed that CIRNAC and Agnico Eagle will submit a joint letter to the NWB, outlining final resolutions on the outstanding issues.

On April 30, 2024, the NWB received a submission⁴ from Agnico Eagle, which was signed by CIRNAC, KivIA and Agnico Eagle. This submission stated that all resolutions reached by parties on outstanding issues and was signed by all three parties. This submission also included a revised Waste Management Plan.

III. FILE HISTORY

Original Licence (March 3, 1999)	Licence No. NWB2MEL9901 issued to WMC International Limited for Exploration near Meliadine Lake for the Meliadine West Gold Exploration Project
Amendment No. 1 (April 12, 1999)	Amendment to Part 3, Item 5 to ensure proper disposal of drill cuttings
Renewal (March 2, 2001)	Licence No. NWB2MEL0103 issued to WMC International Limited for Camp and Exploration near Meliadine Lake for the Meliadine West Gold Exploration Project
Renewal (April 9, 2003)	Licence No. NWB2MEL0304 issued to WMC International Limited for continued Camp and Exploration near Meliadine Lake for the Meliadine West Gold Exploration Project
Assignment (June 11, 2004)	Licence No. NWB2MEL0304 is assigned from WMC International Ltd. to Comaplex Minerals Corp.
Renewal (February 17, 2005)	Licence No. NWB2MEL0507 issued to Comaplex Minerals Corp. for continued Camp and Exploration near Meliadine Lake for the Meliadine Lake Project
Amendment No. 1 (July 20, 2005)	Amendment to include construction of a bridge and an all-weather access road
Renewal (February 23, 2007)	Licence No. 2BE-MEL0709 issued to Comaplex Minerals Corp. for continued Camp and Exploration near Meliadine Lake for the Meliadine Lake Project

⁴ J. Range to R. Hunter on April 30, 2024, RE: 2BB-MEL1424 Renewal Amendment application Parties response to AEM

Amendment No. 1 (August 2, 2007)	Amendment to increase water use and underground drilling, bulk sampling, stockpiling waste rock and ore and processing of the ore for off-site testing
Amendment No. 2 (December 2, 2008)	Amendment to allow the construction of Bermed Fuel Containment Facility and an updated monitoring program
Renewal (July 31, 2009)	Licence No. 2BE-MEL0914 issued to Comaplex Minerals Corp. for continued Camp and Exploration near Meliadine Lake for the Meliadine Lake Gold Project
Amendment No. 1 (June 28, 2010)	Amendment to increase water use to 290 cubic meters per day
Acquisition (July 6, 2010)	Agnico Eagle Mines Limited acquires the Meliadine Lake Gold Project.
Amendment No. 2 (July 19, 2010)	Amendment to allow geotechnical drilling within thirty-one (31) metres of the ordinary high-water mark along the proposed all-weather road, Discovery spur road and for locating infrastructure in Rankin Inlet
Amendment No. 3 (January 6, 2011)	Amendment to allow for the extension of the present exploration decline in order to facilitate underground drilling and bulk sampling. Updates to Security and Comaplex becomes a subsidiary of Agnico Eagle Mines Limited
Amendment No. 4 (September 10, 2012)	Amendment to allow for the construction, operation and closure of temporary non-hazardous solid waste disposal facility (landfill) at the Meliadine Camp to support the advanced exploration program.
Amendment No. 5 (August 20, 2012)	Amendment to allow for an increase in volume of water from 25 to 45 cubic metres per day for domestic purposes, and a decrease in volume of water from 265 to 245 cubic metres per day for drilling purposes.
Renewal (July 31, 2015)	Licence No. 2BB-MEL1424 issued to Agnico Eagle Mines Limited to allow camp operations related to advanced exploration activities including exploration, drilling on land and on ice, and trenching at the Meliadine West Gold Project
Amendment No. 1 (November 12, 2015)	Amendment to allow for an increase in total water use to 299 cubic meters per day, removal of the specific allocations of water quantities for the camp and for exploration purposes, and installation / operation of additional two “BIONEST Kodiak” Wastewater Treatment Systems

IV. GENERAL CONSIDERATIONS

The following section outlines the issues identified by the NWB and raised by interested parties and provides the background on the terms and conditions imposed within the body of the Licence.

Scope

In the Application, Agnico Eagle has stated that there are some components of the 2BB-MEL1424 Licence which are now included in the 2AM-MEL1631 and provided justifications for their exclusion from the future renewal licence. The following scope changes are included in the renewed Licence.

- Classification change from Type “BB” to Type “BE”
 - The initial Application was to renew this Licence as a “2BB” Type Licence. During the review of the Application, the reduced scope of this renewal warranted a change of the Licence Type to a “2BE” Type Licence. Discussions were held with CIRNAC and KivIA to ensure all parties were in agreement with this change.
- Extents
 - Agnico Eagle has requested to include the area, currently approved for exploration under Water Licence 2BE-PTR2227. The Licensee has stated that they will submit a cancellation application for the Water Licence 2BE-PTR2227 once a renewal of 2BB-MEL1424 is approved with additional exploration area.
- Landfill
 - The landfill footprint is now under the Waste Rock Storage Facility approved under the Licence 2AM-MEL1631 and is therefore inoperable. The landfill under the 2AM-MEL Licence is being used for solid waste disposal.
 - Request for security for this activity to be reallocated to the 2AM-MEL1631 Licence.
- Water Monitoring Stations
 - Removal of Monitoring Station MEL-5 (Point of discharge for the Bermed Fuel Containment Facilities). Since this facility was decommissioned, sampling is no longer required.
 - Removal of Monitoring Station MEL-8 (Point of discharge or runoff from the Non-Hazardous Waste Landfill). Since this facility was decommissioned, sampling is no longer required.
- Underground Working
 - Removal of the conditions related to the underground, as these activities are completed under the Licence 2AM-MEL1631.
 - Request for security for this activity to be reallocated to the Licence 2AM-MEL1631.
- Waste Rock and Ore
 - Removal of the conditions related to waste rock and ore, as these activities are completed under the Licence 2AM-MEL1631.
 - Request for security for this activity to be reallocated to the Licence 2AM-MEL1631.

Security

According to Part B, Item 2 of the Licence, the Minister holds a security amount of \$639,000. In their Application, Agnico Eagle submitted a revised security estimate of \$359,491, which included \$186,414 water liability. This estimate was different from the one provided to CIRNAC in August 2023, which was \$1,489,082 (\$965,051 water liability). CIRNA⁵ requested a detailed explanation of unit rates, lump sum costs and other details to better understand the difference.

Agnico Eagle provided detailed RECLAIM cost estimate spreadsheets in their first response to comments on February 6, 2024. CIRNAC, in their February 19, 2024 response, proposed that *“all interested parties meet in the new fiscal year to discuss the reclamation security for this undertaking.”*

Agnico Eagle submitted their second round of responses on February 29, 2024. This included an Interim Closure and Reclamation Plan (Appendix C) which had security from the 2BB-MEL1424 Licence removed and expected to be transferred to the Licence 2AM-MEL1631. CIRNAC did not agree with this approach and recommended that the NWB require the Applicant to update the Interim Closure and Reclamation Plan to include security. Further, CIRNAC proposed again that *“all interested parties meet in the new fiscal year to discuss the reclamation and closure costs.”*

On April 11, 2024, Agnico Eagle and CIRNA joined the NWB for a teleconference call to discuss outstanding issues including security. During this call it was decided that if the Licence may be renewed as a “2BE” type Licence, there may not be a need for security to be held under this Licence, which is the NWB’s general practice with “BE” type Licences. It was suggested that the security from the current Licence 2BB-MEL1424 could be reallocated to the Licence 2AM-MEL1631 upon direction from the Board.

The NWB, in the April 11, 2024 meeting, made the parties aware that while it is not the Board’s practice to hold security for “2BE” type Licences, due to the size of the camp, and other infrastructure associated with this Licence, the Board could consider it necessary to have reclamation security.

On April 30, 2024, the NWB received a join letter from Agnico Eagle, KivIA and CIRNAC stating that CIRNA currently holds security in the amount of \$639,000. From this amount, \$369,971 will continue to be associated with this Licence (2BE-MEL2434) for the reclamation of the exploration camp, incinerator and other infrastructure on-site. The \$369,971 includes \$34,126 for the closure of Water Licence 2BE-MEP1828 (Meliadine East Project). The remaining amount of \$269,029 will be allocated to the 2AM-MEL1631 Water Licence. The letter also stated: *“it is understood that 2BE Licence typically do not hold security. As such, the full amount above will be held under the Type A Water Licence. Security liabilities associated with the 2BE-MEL licence will be included and considered under the 2AM-MEL licence security review”.*

⁵ A. Haque to R. Hunter on January 19, 2024, RE: Crown-Indigenous Relations and Northern Affairs Canada’s (CIRNAC’s) Review of Renewal Amendment Application of the Water Licence No: 2BB-MEL1424 for the Meliadine Gold Project by Agnico Eagle Mines Limited.

As discussed with all parties, the Board has decided to reallocate the entire security amount of \$639,000 to the 2AM-MEL1631 Water Licence. However, the security under the Water Licence 2AM-MEL1631 shall indicate that \$369,971 shall be associated with the closure and reclamation of this Licence 2BE-MEL2434, including \$34,126 associated with the closure of Licence 2BE-MEP1828.

Term of Licence

In accordance with s. 45 of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NWNSRTA or Act), the NWB may issue a licence for a term not exceeding twenty-five (25) years. In determining an appropriate term for a renewal licence, the Board generally takes into consideration several factors including interveners' comments, the Licensee's compliance history, as well as the rationale contained in the application.

The Licensee requested in its Application, a ten (10) year term for the licence. The Intervenors in their submissions did not comment on the term requested for the renewal licence. The Board, in examining the compliance history of the Licensee, felt that a ten-year term was appropriate. The NWB has therefore granted the term requested by the Licensee. In so doing, the Board believes and expects that the **ten-year term** will provide the Licensee with significant opportunities to consistently abide by the terms and conditions in the Licence over time and provide ongoing compliance record prior to a need for renewal.

The issuance of this Licence No: **2BE-MEL2434** will replace existing Licence No: 2BB-MEL1424.

Annual Reporting

Under Part B, Item 2 of the Licence, the Licensee is required to submit Annual Reports for the purpose of ensuring that the NWB has an accurate annual update of activities related to Water use and deposit of Waste during each calendar year. This information is maintained on the Public Registry and is available to interested parties upon request. A "Standardized Form for Annual Reporting" is to be used by the Licensee and is available from the NWB FTP site under the Public Registry link at the NWB Website:

[ftp://ftp.nwb-oen.ca/other documents/Standardized Forms/](ftp://ftp.nwb-oen.ca/other_documents/Standardized_Forms/)

Water Use

Amendment No. 1 to the existing Licence on November 12, 2015, permitted the Licensee to use two-hundred and ninety-nine (299) cubic metres (m³) of freshwater *per day*. The Licensee has not requested a change in total allowable water use as part of this Application.

No concerns were expressed by Interveners in their submissions with respect to the freshwater amount requested by the Licensee, or to the manner in which it is obtained or used.

Agnico Eagle submitted a Water Management Plan within the Application package and updated it during the review of the Application based on recommendations from CIRNAC. The plan entitled “Water Management Plan – Water Licence No. 2BB-MEL” dated February 2024 is being approved with the issuance of this Licence.

Waste Disposal

The initial Application did not include a Waste Management Plan, however during the public review of Application, Agnico Eagle submitted a plan entitled “Meliadine Gold Project – Waste Management Plan” dated April 2024. This plan is being approved with the issuance of the Licence. As per Part D, Item 1 the Licensee shall be required to implement the Plan accordingly.

The incinerator at the exploration camp is no longer in operation and all putrescible waste is incinerated at the Meliadine main camp incinerator under Licence 2AM-MEL1631. However, two functioning incinerators are being stored on-site for future use and the incinerator site is being retained. The Licensee has stated that all incinerations will be done under the Licence 2AM-MEL1631.

Non-combustible wastes generated under this Licence will be managed in the following manner:

- Scrap metal and used tires will be stored in containers and transported south to be recycled;
- Non-hazardous, solid “inert” waste (wood, plastics, glass) will be disposed in an approved landfill or segregated and disposed to a south facility;
- All hazardous wastes and waste items that cannot be incinerated or landfilled will be securely packaged and sent to a proper treatment facility; and
- Prior to disposal, the hazardous waste will be properly packaged, labeled, stored and manifested in a Transportation of Dangerous Goods (TDG) approved shipping container.

Sewage Waste

Sewage generated at the exploration camp is directed to the wastewater treatment system which includes the BIODISK and BIONEST units for initial biological treatment. The wastewater treatment system is designed to remove phosphorus, and destroy nitrogenous products and organic material. It is comprised of a primary clarifier, rotating bacterial contactor (RBC) and final clarifier. The treated sewage from the exploration camp wastewater treatment system is trucked to the main Meliadine mine site and deposited in Collection Pond 1 (CP1), which is part of scope of the Licence 2AM-MEL1631.

Part J, Item 7, requires the Licensee to monitor effluent from the exploration camp wastewater treatment system at Monitoring Station MEL-7.

Landfarm/Contaminated Soil Storage and Treatment

There are two landfarms on the Meliadine mine site, Landfarm A, which is managed under the type A Water Licence 2AM-MEL1631, and Landfarm B, which is managed under this type B Licence. The total capacity of the Landfarm B is approximately 2,500 m³ and the actual quantity of contaminated soil being remediated is approximately 2,200 m³. The Licensee has stated that they will prioritize the use of Landfarm A for placement of contaminated material. The current material in Landfarm B will be moved to the Landfarm A facility progressively to facilitate remediation.

The landfarm will only treat light Petroleum Hydrocarbon (PHC) contaminated soils that have been generated through mining related activities. The contaminants include diesel fuel, gasoline, aviation fuel, and other light oil. In case where the contaminant is unknown, the soil samples will be analyzed prior to placement in the Landfarm.

Remediation criteria will be followed, as mentioned in Part D, Item 15 of this Licence. Soils contaminated with light-end PHC are estimated to require three full summer seasons for complete remediation. When remediated, the soils will be removed from the facility and can be used for construction purposes such as part of the cover of the Tailings Storage Facility (TSF) or stacked in the Waste Rock Storage Facility (WRSF).

The Licensee had submitted, with the Application package, an updated plan entitled “Landfarm Management Plan – 2BB-MEL Water Licence, Version 5” dated December 2023. During the review of the Application this plan was revised, based on ECCC’s recommendations and submitted on February 29, 2024. This revised plan with the same title and dated February 2024 is being approved with the issuance of this Licence.

Closure and Reclamation Planning

Agnico Eagle submitted a plan, within the Application package, entitled “Interim Reclamation and Closure Plan for Water Licence 2BB-MEL” dated December 2023. During the review of the Application this plan was revised, based on ECCC’s recommendations and submitted on February 29, 2024. This updated plan is being approved with the issuance of this Licence. As per Part I, Item 1 the Licensee shall be required to implement the Plan accordingly.

Monitoring

The Licensee is also advised that the following Monitoring Program Stations are now removed from the Monitoring Program:

- MEL-5: Point of discharge for the Bermed Fuel Containment Facilities
 - Rationale for removal is that the Bermed Fuel Containment Facilities were decommissioned after transferring all fuel to the Meliadine mine site fuel farm.
- MEL-8: Point of discharge or runoff from the Non-Hazardous Waste Landfill

- Rationale for removal is that the Non-Hazardous Waste Landfill was decommissioned so no sampling is required.

All other monitoring requirements remain unchanged.

Under Part J, Item 15 of this Licence, the Licensee shall be required to annually review the QA/QC Plan and modify it as necessary. Revised plans shall be submitted to the Board with an approval letter from an accredited laboratory.

Summary of comments

Kivalliq Inuit Association (KivIA)

January 22, 2024

- KivIA requested that Agnico Eagle provide the cost spreadsheets for RECLAIM 7.0
 - Agnico Eagle provided the cost estimate spreadsheets in their February 6, 2024 response.
- KivIA requested that Agnico Eagle provide a schedule for the progressive reclamation of the exploration camp
 - Agnico Eagle described plans to remove certain items from the site, including plywood shacks, heli-pad, seacans, wood beam and non-functional incinerators and retain the exploration camp for potential future purposes.

Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)

January 19, February 19, and March 13, 2024

- R-01 – CIRNAC requested information whether the incineration site was cleaned-up after decommissioning
 - Agnico Eagle responded that two functioning incinerators are being stored for use, therefore the incineration site is still being retained. There are also two non-functional incinerators currently in the planning stages of being backhauled.
 - CIRNAC followed up to recommend that components related to the camp incinerator should not be removed from the Licence,
 - In the final submission, Agnico Eagle agreed to include the two incinerators in the Licence as they are still on-site.
- R-02 – CIRNAC requested that Agnico Eagle confirm the completion of reclamation and restoration of the Bermed Fuel Containment Facilities, and provide post-closure monitoring results before NWB considers removing MEL-5 from the licence
 - Agnico Eagle stated that the Bermed Fuel Containment Facilities were decommissioned after transferring all fuel to the Meliadine mine site fuel farm, and provided monitoring results of borehole soil sampling.
- R-03 & R-06 – CIRNAC recommended that the NWB does not remove conditions related

to waste rock from the licence and require the Waste Rock and Ore Storage Plan as part of the renewal amendment application. CIRNAC requested Agnico Eagle to submit a Waste Management Plan, Used Water Management Plan and Wildlife Protection and Response Plan

- Agnico Eagle stated that they had discussions with CIRNAC about changing the type of Licence to a “2BE”, which would not require a Waste Rock and Ore Storage Plan,
 - CIRNAC, Agnico Eagle and NWB engaged in discussion where all parties aligned with changing the type of Licence to a “2BE”, which does not require a Waste Rock and Ore Storage Plan.
 - Agnico Eagle submitted a Wildlife Protection and Response Plan and a Waste Management Plan,
 - The Used Water Management Plan was deemed not required based on the Licensee’s rationale that treated water from the exploration camp wastewater treatment system is trucked to the Main Meliadine mine site, which is covered under the management plans of Water Licence 2AM-MEL1631
- R-04 – CIRNAC requested that Agnico Eagle provide details of the activities they intend to conduct in the proposed extended areas, and provide proof of right to access any lands which are not currently covered under the authority of the existing license
 - Agnico Eagle explained their proposal to include the area currently under Agnico Eagle’s Licence 2BE-PTR2227. They stated that once this renewal was complete, an application for cancellation of the Licence 2BE-PTR2227 will be submitted.
 - Agnico Eagle, in their following response, further explained that only the activities permitted under the renewed Licence will be conducted. They do not intend to conduct any activities outside of the boundaries approved under Licence 2BE-PTR2227 and the current Licence 2BB-MEL1424.
 - R-05 – CIRNAC requested that Agnico Eagle provide a detailed explanation of the units' rates, lump sum costs, allowances, and other rates and underlined assumptions to better understand the revised security estimate
 - Agnico Eagle provided the cost estimate spreadsheets in their February 6, 2024 response,
 - CIRNAC had discussions about the implications of changing the type of Licence to a “2BE” type, which generally does not constitute reclamation security and requested the NWB’s guidance,
 - CIRNA, Agnico Eagle and NWB engaged in discussion where the NWB explained to parties that upon direction from NWB the security, currently held under the Licence 2BB-MEL1424 can be reallocated to the security held under the Licence 2AM-MEL1631,
 - On April 30, 2024, Agnico Eagle submitted a letter signed by CIRNAC, Agnico Eagle and KivIA agreeing to the reallocation of the full amount of security to be held under the 2AM-MEL1631 upon direction from the Board.
 - R-07 – CIRNAC recommended that the NWB does not allow drilling on ice, and any

waste, including drill cuttings, should be stored or transported or deposited more than 31 meters above the ordinary High Water Mark of any water body

- Agnico Eagle stated that they will make every effort to drill on land; however, it is not always possible to achieve the targeted area strictly on land, especially during the installation of the diamond drill,
 - CIRNAC requested that Agnico Eagle submit the Drilling on Ice Action Plan for review,
 - Agnico Eagle explained that a drilling on ice dry-run was completed on February 1, 2023 with CIRNAC and KivIA, which resulted in the finalization of the Drilling on Ice Action Plan,
 - CIRNAC recommended that land-based drilling within thirty-one (31) metres of any water body's Ordinary High Water Mark is only allowed during winter conditions, and the licence includes similar wording and conditions as in 2BB-MEA1828.
- R-08 – CIRNAC recommended that reclamation and closure costs associated with the 2BE-MEP1828 Licence continued factored in during the security discussion for 2BB-MEL1424 Licence renewal.
 - Agnico Eagle agreed and added a line item to the reclamation and closure costs of the 2BB-MEL1424 Water Licence renewal, in the amount of \$34,126 for the Meliadine East Camp (as per 2BE-MEP1828 Approved Reclamation and Closure Plan).

Environment and Climate Change Canada (ECCC)

January 19, February 19, and March 13, 2024

- ECCC recommended that Agnico Eagle update the Interim Reclamation and Closure Plan (ICRP) to state that drill holes will be plugged or sealed properly so that they do not become a hazard.
 - Agnico Eagle stated that it is an approved practice to plug drill holes with frozen water and drill cuttings, this will also avoid introducing foreign material into the environment. They confirmed that all environmental regulations are being followed and the site undergoes regular inspections by relevant authorities to provide additional reassurance.
- ECCC recommended that Agnico Eagle clarify remediation criteria for treated soils in the Landfarm Management Plan
 - Agnico Eagle stated that they currently follow the Government of Nunavut (GN) Remediation Guidelines; however, are proposing to change the soil remediation criteria used to the Abandoned Military Site Reclamation Protocol (AMSRP) guidelines for the protection of human health and the management limit, which are more appropriate for the Meliadine site. Agnico Eagle submitted a Meliadine Mine Remedial Action Plan with this response,
 - ECCC continued to recommend updating the Landfarm Management Plan to use GN Remediation Guidelines, remove references to AMSRP criteria (since the

- placement criteria would not be met) and include a register of locations where soils not meeting GN Remediation Guidelines,
 - Agnico Eagle provided clarification that there would be no locations at closure where soils would not meet GN Remediation Guidelines for Agricultural/Wild-land use at surface,
 - ECCC accepted Agnico Eagle’s rationale and recommended updates to the Landfarm Management Plan.
- ECCC recommended updating the Water Management Plan to include possible use of water at the landfarm
 - Agnico Eagle submitted an updated Water Management Plan.
- ECCC requested that Agnico Eagle include the reclamation of the landfarm, drill sumps and disposal of drill cuttings, in a revised Interim Reclamation and Closure Plan
 - Agnico Eagle responded that they do not intend on digging sumps, drill cuttings will be disposed of within a natural depression, more than 31 meters above the ordinary High Water Mark of any water body.

Updates to Management Plans

The following management plans were revised during the review of the Application and are being approved by the Board with the issuance of this Licence.

- Meliadine Gold Mine – Water Management Plan, February 2024 (Version 7)
 - Part C, Item 2 of this Licence
- Meliadine Gold Project – Waste Management Plan, April 2024 (Version 5)
 - Part D, Item 1 of this Licence
- Meliadine Mine – Landfarm Management Plan, February 2024 (Version 5)
 - Part E, Item 2 of this Licence
- Meliadine Gold Project – Interim Reclamation and Closure Plan, February 2024
 - Part I, Item 1 of this Licence



NUNAVUT WATER BOARD WATER LICENCE

Licence No: 2BE-MEL2434

Pursuant to the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* and the *Agreement Between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada*, the Nunavut Water Board, hereinafter referred to as the Board, hereby grants to

AGNICO EAGLE MINES LIMITED

(Licensee)

145, KING STREET EAST, SUITE 400, TORONTO, ONTARIO M5C 2Y7

(Mailing Address)

hereinafter called the Licensee, the right to alter, divert or otherwise use water or dispose of waste for a period subject to restrictions and conditions contained within this Licence renewal:

Licence Number/Type: **2BE-MEL2434 TYPE "B"**

Water Management Area: **WILSON WATERSHED (13)**

Location: **MELIADINE WEST GOLD PROJECT
KIVALLIQ REGION, NUNAVUT**

Classification: **MINING UNDERTAKING**

Purpose: **DIRECT WATER USE AND DEPOSIT OF WASTE**

Quantity of Water use not to Exceed: **TWO HUNDRED NINETY-NINE (299) CUBIC METRES
PER DAY**

Date of Licence Issuance: **JULY 22, 2024**

Expiry of Licence: **JULY 21, 2034**

This Licence renewal issued and recorded at Gjoa Haven, Nunavut, includes and is subject to the annexed conditions.

**Lootie Toomasie,
Nunavut Water Board, Chair**

PART A: SCOPE, DEFINITIONS AND ENFORCEMENT

1. Scope

This Licence allows for the use of Water and the disposal of Waste for a Mining undertaking classified as per Schedule 1 of the *Regulations* at the Meliadine West Gold Project, located approximately 25 km Northwest of Rankin Inlet within the Kivalliq Region, Nunavut (generally at latitude 63° 01' 43" N and longitude 92° 10' 12" W). Activities include camp operation, land-farming, mineral exploration including: prospecting, geological mapping, geophysical surveys, diamond drilling and baseline data collection.

- a. This Licence is issued subject to the conditions contained herein with respect to the taking of Water and the depositing of Waste of any type in any Waters or in any place under any conditions where such Waste or any other Waste that results from the deposits of such Waste may enter any Waters. Whenever new Regulations are made or existing Regulations are amended by the Governor in Council under the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*, or other statutes imposing more stringent conditions relating to the quantity or type of Waste that may be so deposited or under which any such Waste may be so deposited, this Licence shall be deemed, upon promulgation of such Regulations, to be subject to such requirements; and
- b. Compliance with the terms and conditions of this Licence does not absolve the Licensee from responsibility for compliance with the requirements of all applicable Federal, Territorial and Municipal legislation.

2. Definitions

“Act” or “Act” means the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*;

“Addendum” means a change to original terms and conditions of this Licence requiring correction, addition or deletion of specific terms and conditions of the Licence; modifications inconsistent with the terms of the set terms and conditions of the Licence.

“Amendment” means a change to original terms and conditions of this Licence requiring correction, addition or deletion of specific terms and conditions of the Licence; modifications inconsistent with the terms of the set terms and conditions of the Licence;

“Appurtenant Undertaking” means an undertaking in relation to which a use of water or a deposit of waste is permitted by a Licence issued by the Board;

“Board” means the Nunavut Water Board established under the *Nunavut Land Claims Agreement* and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*;

“Closure and Reclamation Plan” means a Plan developed to reach the closure goal and taking in account the “Guidelines for the Closure and Reclamation of Advanced Mineral Exploration and Mine Sites in the Northwest Territories” 2013;

“Effluent” means treated or untreated liquid waste material that is discharged into the environment from a structure such as a settling pond, landfarm or a treatment plant;

“Engineer” means a professional engineer registered to practice in Nunavut in accordance with the *Consolidation of Engineers and Geoscientists Act S. Nu 2008, c.2* and the *Engineering and Geoscience Professions Act S.N.W.T. 2006, c.16 Amended by S.N.W.T. 2009, c.12*;

“Greywater” means all liquid wastes from showers, baths, sinks, kitchens and domestic washing facilities, but does not include toilet wastes;

“Hazardous Waste” means Waste classified as “hazardous” by Nunavut Territorial or Federal legislation, or as “dangerous goods” under the *Transportation of Dangerous Goods Act*;

“High Water Mark” means the usual or average level to which a water body rises at its highest point and remains for sufficient time so as to change the characteristics of the land (ref. Department of Fisheries and Oceans Canada, Operational Statement: Mineral Exploration Activities);

“ICP Scan” means the laboratory method for determining trace metals in water through Emission Spectroscopy using inductively coupled plasma (including from approximately 22 to 32 elements, depending on the laboratory performing the analysis);

“Inspector” means an Inspector designated by the Minister under Section 85 (1) of the *Act*;

“Landfarm Treatment or Contaminated Soils Treatment Facility” means the Landfarm facility as per drawing No. SB, Pr. No. 3.393 and described in “Meliadine Advanced Exploration Project Water Licence 2BB-MEL0914 Landfarm Management Plan” dated January 2014;

“Licensee” means the holder of this Licence;

“Modification” means an alteration to a physical work that introduces a new structure or eliminates an existing structure and does not alter the purpose or function of the work, but does not include an expansion;

“Nunavut Agreement” or “Nunavut Agreement” means the “*Agreement Between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada*”,

including its preamble and schedules, and any amendments to that agreement made pursuant to it;

“Regulations” means the *Nunavut Waters Regulations* sor2013/669 18th April, 2013;

“Secondary Containment” means an impermeable structure, external to and separate from primary containment, which prevents unplanned spills of hazardous materials and provides a minimum capacity of 110% of the original vessel. Where multiple vessels are stored within the containment, it must provide a minimum capacity equal to the sum of the largest vessel and 10% of the aggregate volume of all other vessels located in the containment. This structure shall also provide containment and control of hoses and nozzles;

“Sewage” means all toilet Wastes and greywater;

“Sludge” means accumulated and concentrated solids removed from the exploration camp wastewater treatment system;

“Spill Contingency Plan” means a Plan developed to deal with unforeseen petroleum and hazardous materials events that may occur during the operations conducted under the Licence;

“Sump” means an excavation in impermeable soil for the purpose of catching or storing water or waste;

“Toilet Wastes” means all human excreta and associated products, but does not include greywater;

“Treatment Objective” means the treatment objective for the Land Treatment Unit which is based on the Canadian Council of Ministers of the Environment (CCME), 2001 *Canada – Wide Standard for Petroleum Hydrocarbon in Soil*, revised January 2008; and as determined by the Government of Nunavut, Environmental Protection Service based on the 2009 *Environmental Guidelines for Contaminated Site Remediation*; See Table No. 1;

“Waste” means, as defined in S.4 of the *Act*, any substance that, by itself or in combination with other substances found in water, would have the effect of altering the quality of any water to which the substance is added to an extent that is detrimental to its use by people or by any animal, fish or plant, or any water that would have that effect because of the quantity or concentration of the substances contained in it or because it has been treated or changed, by heat or other means;

“Wastewater Treatment System or Sewage Treatment Plant” means the wastewater treatment facility as described in the “Meliadine Gold Project Used Water Management

Plan” dated May 2013, and in the Amendment Application and associated documents, dated August 20, 2015;

“Water” or “Waters” means waters as defined in section 4 of the Act.

3. Enforcement

- a. Failure to comply with this Licence will be a violation of the *Act*, subjecting the Licensee to the enforcement measures and the penalties provided for in the *Act*;
- b. All inspection and enforcement services regarding this Licence will be provided by Inspectors appointed under the *Act*; and
- c. For the purpose of enforcing this Licence and with respect to the use of water and deposit or discharge of waste by the Licensee, Inspectors appointed under the *Act*, hold all powers, privileges and protections that are conferred upon them by the *Act* or by other applicable law.

PART B: GENERAL CONDITIONS

1. The Water use fees for the right to the use of Water shall be paid in accordance with Section 12 of the *Regulations*.
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 of Water use and Waste disposal activities related to Water use, deposit of Waste to Water or the Appurtenant Undertaking;
 - 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;
 - 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;
 - d. Quantity of Waste backhauled to approved facility for disposal; ;
 - e. A summary of modification and/or major maintenance work carried out on the water supply and wastewater treatment facilities, including all associated structures, and an outline of any work anticipated for the next year;
 - f. A list of unauthorized discharges and a summary of follow-up actions taken;
 - g. Any revisions to the Spill Contingency Plan, Water Management Plan, Waste Management Plan, and Landfarm Management Plans, Abandonment and Restoration Plan, as required by Part B, Item 8, submitted in the form of an Addendum;
 - h. A summary of drilling activities and progressive reclamation of drill sites;

- i. Report all artesian flow occurrences as required under Part F, Item 6;
 - j. A description of all progressive and/or final reclamation work undertaken, including photographic records of site conditions before, during and after completion of operations;
 - k. A summary of any specific studies or reports requested by the Board, and a brief description of any future studies planned or proposed;
 - l. A summary of public consultation/participation, describing consultation with local organizations and residents of the nearby communities, if any were conducted; and
 - m. Any other details on Water use or Waste disposal requested by the Board by November 1st of the year being reported.
3. The Licensee shall notify the NWB of any changes in operating plans or conditions associated with this Project at least thirty (30) days prior to any such change.
4. The Licensee shall install flow meters or other such devices, or implement suitable methods required for the measuring of Water volumes as required under Part J, Item 1.
5. The Licensee shall post signs in the appropriate areas to inform the on-site personnel and public of the location of the water supply and wastewater treatment facility. All signs shall be in English and Inuktitut.
6. The Licensee shall, for all Plans submitted under this Licence, include a proposed timetable for implementation. Plans submitted, cannot be undertaken without subsequent written Board approval and direction. The Board may alter or modify a Plan if necessary to achieve the legislative objectives and will notify the Licensee in writing of acceptance, rejection or alteration of the Plan.
7. The Licensee shall, for all Plans submitted under this Licence, implement the Plan as approved by the Board in writing.
8. The Licensee shall review the Plans referred to in this Licence, as required by changes in operation and/or technology, and modify the Plans accordingly. Revisions to the Plans shall be submitted in the form of an Addendum to be included with the Annual Report.
9. Every Plan to be carried out pursuant to the terms and conditions of this Licence shall become a part of this Licence, and any additional terms and conditions imposed upon approval of a Plan by the Board become part of this Licence. All terms and conditions of the Licence should be contemplated in the development of a Plan where appropriate.
10. The Licensee shall ensure a copy of this Licence is maintained at the site of operations at all times. Any communication with respect to this Licence shall be made in writing to the attention of:

(a) Manager of Licensing:
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0
Telephone: (867) 360-6338
Fax: (867) 360-6369
Email: licensing@nwb-oen.ca

(b) Inspector Contact:
Water Resources Officer,
Nunavut District, Nunavut Region
918 Nunavut Drive
Iqaluit, NU X0A 3H0
Telephone: (867) 975-4284

11. The Licensee shall submit an electronic copy of all reports, studies, and plans to the Board. Reports or studies submitted to the Board by the Licensee shall include a detailed executive summary in Inuktitut (and/or Inuinnaqtun).
12. The Licensee shall ensure that any document(s) or correspondence submitted by the Licensee to the NWB is received and acknowledged by the Manager of Licensing.
13. This Licence is assignable as provided for in Section 44 of the *Act*.

PART C: CONDITIONS APPLYING TO WATER USE

1. The Licensee shall obtain all Water for camp or domestic uses from the Meliadine Lake at Monitoring Program Station MEL-1. Water for drilling and associated uses shall be obtained from Meliadine, Pump, A8 Lakes and small lakes and ponds proximal to the drilling targets as outlined in the Application and measured at Monitoring Program Station MEL-2. Total Water use for all purposes shall not exceed two hundred and ninety-nine (299) cubic metres per day.
2. The Board has approved the Plan entitled “Water Management Plan – Water Licence No. 2BB-MEL” dated February 2024, that was submitted as additional information with the Application.
3. The withdrawal of Water from any stream shall not exceed ten (10) per cent of the low flow of that stream unless approved by the Board in writing.
4. If the Licensee requires Water in sufficient volume that the source water body may be drawn down the Licensee shall, at least thirty (30) days prior to commencement of use of water, submit to the Board for approval in writing, information on the water body that includes, but is not limited to: volume of water required, hydrological overview of the

water body, details of impacts, and proposed mitigation measures.

5. The Licensee shall equip all Water intake hoses with a screen of an appropriate mesh size to ensure that fish are not entrained and shall withdraw Water at a rate such that fish do not become impinged on the screen.
6. The Licensee shall not remove any material from below the ordinary High Water Mark of any water body unless approved by the Board in writing.
7. The Licensee shall not cause erosion to the banks of any water body and shall provide necessary controls to prevent such erosion.
8. Sediment and erosion control measures shall be implemented prior to and maintained during the undertaking to prevent entry of sediment into Water.

PART D: CONDITIONS APPLYING TO WASTE DISPOSAL

1. The Board has approved the Plan entitled “Meliadine Gold Project Waste Management Plan” dated April 2024, that was submitted as additional information with the Application.
2. The Licensee shall locate areas designated for Waste disposal at a minimum distance of thirty-one (31) metres from the ordinary High Water Mark of any water body such that the quality, quantity or flow of Water is not impaired, unless otherwise approved by the Board in writing.
3. The Licensee is authorized to dispose of all acceptable food Waste, paper Waste and untreated wood products in an incinerator.
4. The Licensee shall not open burn plastics, wood treated with preservatives, electric wire, Styrofoam, asbestos or painted wood to prevent the deposition of Waste materials of incomplete combustion and/or leachate from contaminated ash residual, from impacting any surrounding Waters, unless otherwise approved by the Board in writing.
5. The Licensee shall provide to the Board, documented authorization from the receiving community, prior to the backhauling of any non-hazardous Waste for disposal at that community.
6. The Licensee shall backhaul and dispose of all hazardous Wastes, Waste oil and non-combustible Waste generated through the course of the operation at a licensed Waste disposal site.
7. The Licensee shall maintain records of all Waste backhauled and records of confirmation of proper disposal of backhauled Waste. These records shall be made available to an

Inspector upon request.

8. The Licensee shall dispose of all Sewage generated at the Camp to the Wastewater Treatment System, or as otherwise approved by the Board.
9. All Wastewater effluent discharged from the Wastewater Treatment System at Monitoring Program Station MEL-7 shall not exceed the following Effluent quality limits:

Parameter	Maximum Concentration of any Grab Sample
pH	6.0 to 9.5
Biochemical Oxygen Demand (BOD ₅)	80 mg/L
Total Suspended Solids (TSS)	100 mg/L
Fecal Coliforms	1000 CFU/100mL
Oil and Grease	5 mg/L & No visible sheen

10. All Effluent discharged from Landfarm Treatment Facility at Monitoring Program Station MEL-6 shall not exceed the following Effluent quality limits:

Parameter	Maximum Allowable Grab Sample Concentration (ug/L)
Benzene	370
Ethylbenzene	2
Toluene	90
Lead	1
Oil and Grease	15,000 and no visible sheen
Phenols	20

11. The Licensee shall provide at least ten (10) days notification to an Inspector, prior to initiating the release of effluent from any facilities listed in this Part. The notice shall include water quality results, an estimate of volume and the proposed receiving location.
12. If effluent does not meet the effluent quality limits of Part D, Item 10 above, it shall be considered hazardous Waste and be disposed off-site to a licensed facility.
13. The discharge location for all treated effluent described in Part D Item 10 shall be located at a minimum of thirty-one (31) metres from the ordinary High Water Mark of any water body and where direct or indirect flow into a water body is not possible and no additional impacts are created.
14. The Licensee shall treat petroleum hydrocarbon contaminated (PHC) (Type B) soil in the Landfarm Facility, to the Treatment Objective and, prior to the removal of any treated soil for future use, confirm with the Government of Nunavut, Environmental Protection

Service that the soils have been treated to meet the required Treatment Objective, in a manner in accordance with the “Meliadine Mine Landfarm Management Plan” dated February 2024, and any subsequent revisions to the Plan approved by the Board in writing.

15. The Licensee shall direct all treated soil that meets the Treatment Objective detailed in Table No. 1 to Agricultural/Wild-land.

PART E: CONDITIONS FOR CAMPS, ACCESS INFRASTRUCTURES AND OPERATIONS

1. The Licensee shall not erect camps or store material on the surface of frozen streams or lakes including the immediate banks except what is for immediate use. Camps shall be located such as to minimize impacts on surface drainage.
2. The Board has approved the Plan entitled “Meliadine Mine Landfarm Management Plan” dated February 2024, that was submitted as additional information with the Application.
3. The Licensee shall conduct all activities in such a way as to minimize impacts on surface drainage and the Licensee shall immediately undertake corrective measures in the event of any impacts on surface drainage.
4. The Licensee shall construct all winter lake and stream crossings, including ice bridges, entirely of water, ice or snow. The Licensee shall minimize disturbance by locating ice bridges in an area that requires the minimum approach grading and the shortest crossing route. Stream crossings shall be removed or the ice notched prior to spring break-up.
5. Stream crossing shall be a minimum of five hundred (500) meters from spawning areas.
6. With respect to access road, pad construction or other earthworks, the deposition of debris or sediment into or onto any water body is prohibited. These materials shall be disposed of at a distance of at least thirty-one (31) metres from the ordinary High Water Mark in such a fashion that they do not enter Water.
7. The Licensee shall not do anything that will cause erosion to the banks of any water body and shall provide necessary controls to prevent such erosion.
8. The Licensee shall implement sediment and erosion control measures prior to and maintain such measures during construction and operation to prevent entry of sediment into water.
9. The Licensee shall undertake appropriate corrective measures to mitigate impacts on surface drainage resulting from the Licensee’s operations.

10. The Licensee shall limit any in-stream activity to low water periods. In-stream activity is prohibited during fish migration.
11. The Licensee shall locate stream crossings to minimize approach grades. Approaches shall be stabilized during construction and upon completion of the project, to control runoff, erosion and subsequent siltation to any water body.
12. Machinery is not permitted to travel up the stream bed, and fording of any water body is to be kept to a minimum and limited to one area and a one-time event. Equipment used should be well cleaned and free of oil and grease and maintained free of fluid leaks.
13. The Licensee shall ensure that all fill material used during construction is from an approved source and shall be free of contaminants.
14. To minimize impacts on surface drainage, the Licensee shall prepare all sites in such a manner as to prevent rutting of the ground surface.
15. Equipment storage holding areas should be located on gravel, sand or other durable land, a distance of at least thirty-one (31) metres above the ordinary High-Water Mark of any water body in order to minimize impacts on surface drainage and water quality.
16. The Licensee shall not mobilize heavy equipment or vehicles in the course of this undertaking unless the ground surface is capable of fully supporting the equipment or vehicles without rutting or gouging. Overland travel of equipment or vehicles shall be suspended if rutting occurs.

PART F: CONDITIONS APPLYING TO DRILLING OPERATIONS

1. The Licensee shall not conduct any land-based drilling within thirty-one (31) metres of the ordinary High Water Mark of any water body, except drilling specified in Part F, Item 2, and unless otherwise approved by the Board in writing.
2. Licensee is authorized to conduct land-based drilling within thirty-one (31) metres of the ordinary High Water Mark of any water body, only during winter conditions, within the project area.
3. The Licensee shall, when conducting drilling within thirty-one (31) metres of the ordinary High Water Mark, carry out activities on stable ground such as frozen tundra or bedrock, to prevent disturbance to the natural ground and limit erosion and sedimentation.
4. The Licensee shall establish water quality conditions of adjacent Waters or Waters immediately downstream of any drilling program within thirty-one (31) metres of the ordinary High Water Mark of any water body:
 - a. Prior to any such drilling program as per Part J, Item 9;

- b. Upon completion of any such drilling program; and
 - c. The summer season following any such drilling.
5. The Licensee shall dispose of all drill Waste, including Water, chips, muds and salts (CaCl₂) in any quantity or concentration from land-based and on-ice drilling in a properly constructed Sump or an appropriate natural depression located at a distance of at least thirty-one (31) metres from the ordinary High Water Mark of any adjacent water body, where direct flow into a water body is not possible and no additional impacts are created.
 6. If artesian flow is encountered, drill holes shall be immediately sealed and permanently capped to prevent induced contamination of groundwater or salinization of surface waters. The Licensee shall report all artesian flow occurrences within the Annual Report, including the location (GPS coordinates) and dates.
 7. Drilling additives or mud shall not be used in connection with holes drilled through lake ice unless they are re-circulated or contained such that they do not enter the water, or are demonstrated to be non-toxic.
 8. For “on-ice” drilling where drill additives are not being used, return water released must be nontoxic, and not result in an increase in total suspended solids in the immediate receiving waters, above the Canadian Council of Ministers for the Environment Guidelines for the Protection of Freshwater Aquatic Life (i.e. 10 mg/L for lakes with background levels under 100 mg/L, or 10% for those above 100 mg/L).
 9. The Licensee shall establish water quality conditions prior to and upon completion of any drilling program through lake ice.

PART G: CONDITIONS APPLYING TO MODIFICATIONS

1. The Licensee may, without written consent from the Board, carry out Modifications to the water supply, and waste disposal facilities provided that such Modifications are consistent with the terms of this Licence and the following requirements are met:
 - a. the Licensee has notified the Board in writing of such proposed Modifications at least sixty (60) days prior to beginning the Modifications;
 - b. such Modifications do not place the Licensee in contravention of the Licence or the Act;
 - c. such Modifications do not constitute “significant modifications” that require conformity assessment by the Nunavut Planning Commission and/or impact assessment by the Nunavut Impact Review Board before consideration by the NWB;
 - d. within sixty (60) days following notification of the proposed Modifications, the Licensee, Nunavut Planning Commission, Nunavut Impact Review Board, designated Inuit organization or responsible regulatory authority has not indicated

- that any conformity determination, impact assessment, compensation negotiations or other consideration of the Modification that must be completed before the NWB can consider the Modification will take longer than 45 days; and
- e. within sixty (60) days following notification of the proposed Modifications, the Board has not indicated that a written approval is required or rejected the proposed Modifications.
2. Modifications for which all of the conditions referred to in Part G, Item 1 have not been met can be carried out only with written approval from the Board.
 3. The Licensee shall provide as-built plans and drawings of the Modifications referred to in this Licence within ninety (90) days of completion of the Modification. These plans and drawings shall be stamped by an Engineer.

PART H: CONDITIONS APPLYING TO SPILL CONTINGENCY PLANNING

1. The Licensee shall implement the Plan entitled “Meliadine Gold Project Spill Contingency Plan, Meliadine Camp Site, Meliadine Exploration Sites, All-Weather Road, Discovery Camp Site”, dated February 2014, that was previously approved by the Board.
2. The Licensee shall prevent any chemicals, petroleum products or wastes associated with the project from entering Water. All sumps and fuel caches shall be located at a distance of at least thirty-one (31) metres from the ordinary High Water Mark of any adjacent water body and inspected on a regular basis.
3. The Licensee shall conduct any equipment maintenance and servicing in designated areas and shall implement special procedures (such as the use of drip pans) to manage motor fluids and other Waste and to contain potential spills.
4. If during the term of this Licence, an unauthorized discharge of Waste occurs, or if such a discharge is foreseeable, the Licensee shall:
 - a. Employ the approved Spill Contingency Plan;
 - b. Report the spill immediately to the NWT/NU 24-Hour Spill Line at (867) 920-8130 and to the Inspector at (867) 975-4284; and
 - c. For each spill occurrence, submit to the Inspector, no later than thirty (30) days after initially reporting the event, a detailed report that will include the amount and type of spilled product, the GPS location of the spill, and the measures taken to contain and clean up the spill site.
5. Licensee shall, in addition to Part H, Item 4, regardless of the quantity of releases of harmful substances, report to the NWT/NU 24-Hour Spill Line if the release is near or into a water body.

PART I: CONDITIONS APPLYING TO CLOSURE AND RECLAMATION OR TEMPORARY CLOSURE

1. The Board has approved the Plan entitled “Meliadine Gold Project – Interim Reclamation and Closure Plan, dated February 2024, that was submitted as additional information with the Application.
2. The Licensee shall complete all restoration work prior to the expiry of this Licence.
3. The Licensee shall carry out progressive reclamation of any components of the project no longer required for the Licensee’s operations related to Water use, deposition of Waste to Water and/or Appurtenant Undertaking, subject to the Act and Regulations.
4. The Licensee shall backfill and restore to the satisfaction of an Inspector, all sumps to the pre-existing natural contours of the land when possible.
5. The Licensee shall remove from the site, all infrastructure and site materials, including all fuel caches, drums, barrels, buildings and contents, docks, water pumps and lines, material and equipment prior to the expiry of this Licence.
6. All roads and airstrip, if any, shall be re-graded to match natural contour to reduce erosion.
7. The Licensee shall remove any culverts and restore the drainage to match the natural channel. Measures shall be implemented to minimize erosion and sedimentation.
8. In order to promote growth of vegetation and the needed microclimate for seed deposition, all disturbed surfaces shall be prepared by ripping, grading, or scarifying the surface to conform to the natural topography.
9. Areas that have been contaminated by hydrocarbons from normal fuel transfer procedures shall be reclaimed to meet objectives as outlined in the Government of Nunavut’s Environmental Guideline for Site Remediation, 2010. The use of reclaimed soils for the purpose of back fill or general site grading may be carried out only upon consultation and approval by the Government of Nunavut, Department of Environment and an Inspector.
10. The Licensee shall restore all drill holes and disturbed areas to natural conditions immediately upon completion of the drilling. The reclamation of drill holes must include the removal of any drill casing materials and, if having encountered artesian flow, the capping of holes with a permanent seal. Where drill casings cannot be removed the Licensee shall cut off the casings at ground level and identify with signage.
11. The Licensee may leave the casings on site, if it intends to continue drilling in existing casings, but shall add signaling to keep the area safe for the other territory users. The drill casings left cannot stay on the field for more than 2 years after the drilling.
12. The Licensee may store drill core produced by the appurtenant undertaking in an

appropriate manner and location at least thirty-one (31) metres above the ordinary High Water Mark of any adjacent water body, where any direct flow into a water body is not possible and no additional impacts are created, or as directed by an Inspector.

13. The Licensee shall contour and stabilize all disturbed areas to reduce erosion and sedimentation to Water upon completion of work at the undertaking and as per Part I, Item 3.

PART J: CONDITIONS APPLYING TO THE MONITORING PROGRAM

1. The Licensee shall, at a minimum, maintain Monitoring Stations at the following locations:

Monitoring Program Station Number	Description	Status
MEL-1	Raw water supply intake at Meliadine Lake	Active (Volume cubic metres)
MEL-2	Raw water supply intake at Pump, A8 or other Lakes	Active (Volume cubic metres)
MEL-5	Point of discharge for the Bermed Fuel Containment Facilities	Inactive (removed)
MEL-6	Effluent from the Landfarm Treatment Facility prior to release	Active
MEL-7	Final Effluent Discharge from the BIODISK treatment system	Active
MEL-8	Point of discharge or runoff from the Non-Hazardous Waste Landfill	Inactive (removed)

2. The Licensee shall measure and record, in cubic metres, the daily quantities of water utilized for camp, drilling, and other purposes.
3. The Licensee shall measure and record the volume of all soil from all locations entering the Landfarm Treatment Facility.
4. The Licensee shall assess and record the concentration of F1 – F4 fractions in petroleum hydrocarbon contaminated soil, according to the CCME *Canada-Wide Standard for Petroleum Hydrocarbons (PHC) in Soil* that is entering the Land Treatment Unit from all sources and excavations.

5. The Licensee shall provide the GPS co-ordinates (in decimal degrees) of all locations where sources of water are utilized for all purposes.
6. The Licensee shall provide the GPS co-ordinates (in decimal degrees) of all locations where wastes associated with camp operations and exploration activities are deposited.
7. The Licensee shall sample at Monitoring Program Station MEL-7, monthly during Wastewater effluent discharge. Samples shall be analyzed for the parameters listed under Part D, Item 9.
8. The Licensee shall, prior to the release of effluent from the Landfarm Treatment Facility at Monitoring Program Station MEL-6 for the purpose of demonstrating compliance, sample for the parameters listed under Part D, Item 10.
9. 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 just prior to commencement of drilling and weekly thereafter, concluding one week after drilling has been completed and the site restored.
10. The Licensee shall obtain representative samples of the water column below any ice where required under Part F, Items 8 and 9. Monitoring shall include, at a minimum, the following:

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.

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, at a minimum, the following:

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.

12. 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 11 to determine whether any further mitigation is required.
13. 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.
14. All analyses shall be performed in a laboratory accredited according to ISO/IEC Standard 17025. The accreditation shall be current and in good standing.
15. The Licensee shall annually review the QA/QC Plan approved originally by the Board and modify it as necessary. Revised plans shall be submitted to the NWB with an approval letter from an accredited lab that meets standards set in Part J Items 13 and 14.
16. The Licensee shall include in the Annual Report as required under Part B, Item 2, all data, monitoring results and information required by Part J.

Table No. 1

Remediation Requirements

Summary of Tier 1 Remediation Criteria (mg/kg) for PHC in ‘Surface Soil’ for Industrial Land Uses

Parameter	Criteria (mg/kg)	
	Agricultural/Wild-land	Industrial
Benzene	0.03	0.03
Toluene	0.37	0.37
Ethylbenzene	0.082	0.082
Xylene	11	11
PHC Fraction 1	30	320
PHC Fraction 2	150	260
PHC Fraction 3	300	1700
PHC Fraction 4	2800	3300

Data from Government of Nunavut (GN) Environmental Guidelines for Contaminated Site Remediation (March, 2009).