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Application for Water Licence Amendment

April 2010

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NUNAVUT WATER BOARD



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NUNAVUT WATER BOARD  
OFFICE DES EAUX DU NUNAVUT

APPLICATION FOR WATER LICENCE AMENDMENT

EXISTING LICENCE NO: 2BB-MEL0914

1. LICENSEE CONTACT INFORMATION

Is the name of the licensee the same as the name in the existing licence?

X Yes    ☐ No

If no, a licence assignment must be completed and approved by the NWB. **Amendment will only be issued in the name of the current licensee in the absence of assignment of the licence.**

Name: Meliadine Gold Project  
Agnico-Eagle Mines Limited

Address: P.O. Box 879,  
Rankin Inlet, Nunavut  
X0C 0G0

Phone: (867) 645-2920

Fax:  
e-mail:

2. LICENSEE REPRESENTATIVE CONTACT INFORMATION

Name: Sylvain Doire

Address: 20, route 395  
Cadillac (Québec), J0Y 1C0

Phone: Off : (819) 759-3700 #5186    Cel : (819) 279-3192

Fax:

e-mail: [sdoire@agnico-eagle.com](mailto:sdoire@agnico-eagle.com)

3. NAME OF PROJECT

Meliadine Gold Project

4. LOCATION OF UNDERTAKING

Is the location of the amended undertaking the same as the existing undertaking?

☒ Yes ☐ No

If no, provide the amended project extents and camp locations

Project Extents

NW:	Latitude: (   °   '   " N)	Longitude: (   °   '   " W)
NE:	Latitude: (   °   '   " N)	Longitude: (   °   '   " W)
SE:	Latitude: (   °   '   " N)	Longitude: (   °   '   " W)
SW:	Latitude: (   °   '   " N)	Longitude: (   °   '   " W)

Camp Location(s)

Latitude: ( 63° 1' 30 " N)      Longitude: ( 92°10'20" W)

5. MAP

Attach a topographical map, indicating the main components of the undertaking and distinguishing between existing components and proposed amendments

NTS Map Sheet No. 55 N/1      Scale: 1:7500

6. NATURE OF THE INTEREST IN THE LAND

Does the proposed amendment change the nature of the interest in the land? ☐ Yes ☒ No

If yes, indicate changes? \_\_\_\_\_

Check any of the following that are applicable to the proposed undertaking (at least one box must be checked) distinguishing between existing and amended interests

Sub-surface

☒ Mineral Lease from Nunavut Tunngavik Incorporated (NTI)  
Date (expected date) of issuance:\_\_\_\_\_ Date of expiry: 1-Jul-12

☐ Mineral Lease from Indian and Northern Affairs Canada (INAC)  
Date (expected date) of issuance:\_\_\_\_\_ Date of expiry:\_\_\_\_\_

Surface

☐ Crown Land Use Authorization from Indian and Northern Affairs Canada (INAC)  
Date (expected date) of issuance:\_\_\_\_\_ Date of expiry:\_\_\_\_\_

☐ Inuit Owned Land (IOL) Authorization from Kitikmeot Inuit Association (KIA)  
Date (expected date) of issuance:\_\_\_\_\_ Date of expiry:\_\_\_\_\_

☒ IOL Authorization from Kivalliq Inuit Association (KivIA)  
Date (expected date) of issuance:\_\_\_\_\_ Date of expiry: 31-June 2012

☐ IOL Authorization from Qikiqtani Inuit Association (QIA)  
Date (expected date) of issuance:\_\_\_\_\_ Date of expiry:\_\_\_\_\_

☐ Commissioner's Land Use Authorization  
Date (expected date) of issuance:\_\_\_\_\_ Date of expiry:\_\_\_\_\_

☐ Other \_\_\_\_\_  
Date (expected date) of issuance:\_\_\_\_\_ Date of expiry:\_\_\_\_\_

Is the name of the entity(s) holding authorizations the same as it was when the existing licence was issued?

☒ Yes ☐ No

If no, a licence assignment must be completed and approved by the NWB.

**7. NUNAVUT PLANNING COMMISSION (NPC) DETERMINATION**

Indicate the land use planning area in which the existing undertaking is located

- |                                       |  |
|---------------------------------------|--|
| <input type="checkbox"/> North Baffin | <input checked="" type="checkbox"/> Keewatin |
| <input type="checkbox"/> South Baffin | <input type="checkbox"/> Sanikiluaq          |
| <input type="checkbox"/> Akunnig      | <input type="checkbox"/> West Kitikmeot      |

Does the proposed amendment move the undertaking to a different land use planning area?

☐ Yes ☒ No

If yes, indicate the land use planning area in which the amended undertaking is located

- |                                       |   |
|---------------------------------------|---|
| <input type="checkbox"/> North Baffin | <input type="checkbox"/> Keewatin       |
| <input type="checkbox"/> South Baffin | <input type="checkbox"/> Sanikiluaq     |
| <input type="checkbox"/> Akunnig      | <input type="checkbox"/> West Kitikmeot |

Was a land use plan conformity determination required from NPC prior to the issuance of the existing licence?

☐ Yes ☒ No

If Yes, indicate date issued and attach copy \_\_\_\_\_

Does the proposed amendment change the original NPC conformity determination or the need to obtain one?

☐ Yes ☒ No

If Yes, indicate date issued and attach a copy \_\_\_\_\_

If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required. [See the attached letter issued on May 8, 2009](#)

**8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION**

Was a screening determination required from NIRB prior to the issuance of the existing licence?

☒ Yes ☐ No

If Yes, indicate date issued and attach copy [See attached copy](#)

Does the proposed amendment change the original NIRB screening determination or the need to obtain one?

☐ Yes ☒ No

If Yes, indicate date issued and attach a copy \_\_\_\_\_

If No, provide written confirmation from NIRB confirming that a screening determination is not required.

9. DESCRIPTION OF UNDERTAKING - Attached plans and drawings or amended project proposal

The project is located at the Meliadine Gold Project Site, 25 km north of Rankin Inlet, Nunavut (see the map in the original application).

The proposed amendment is to build a second bermed bladder fuel farm to accommodate 8 fuel bladders, each having a capacity of 113 500 litre (total capacity of 908 000 liter) and install 8 Enviro-Tanks of 100 000 litre.

The new berm area will be situated beside the 10 existing bladders installed in 2010. The bermed fuel farm will be lined with a HDPE liner and have a capacity of 110 percent of the maximum amount of fuel stored.

Details of the proposed construction are in the attached documents and figures (Technical Specifications of Construction Material, Non-technical Summary: Meliadine Fuel Storage Area Expansion and figures 018-210-005-R1 and 018-210-006-R0.

10. OPTIONS - Provide a brief explanation of the alternative methods or locations that were considered to carry out the project.

N/A

11. CLASSIFICATION OF PRIMARY UNDERTAKING

Indicate the primary classification of undertaking for the existing licence by checking one of the following boxes:

☐ Industrial

☒ Mining and Milling (includes exploration/drilling/exploration camps)

☐ Conservation

☐ Municipal (includes camps/lodges)

☐ Power

☐ Agricultural

☐ Recreational

☐ Miscellaneous (describe below):

See Schedule II of *Northwest Territories Waters Regulations* for Description of Undertakings

Does the proposed amendment change the classification of primary undertaking? ☐ Yes ☒ No

If Yes, indicate the primary undertaking of the amendment: \_\_\_\_\_

Information in accordance with applicable Supplemental Information Guidelines (SIG) must be updated and submitted with an application for amendment even if the information was submitted as part of the application for the existing licence. Indicate which SIG(s) are applicable to your application.

☐ Hydrostatic Testing

☐ Tannery

☐ Tourist / Remote Camp

☐ Landfarm & On-Site Storage of Hydrocarbon Contaminated Soil

☐ Onshore Oil and Gas Exploration Drilling

☐ Mineral Exploration / Remote Camp

☐ Advanced Exploration

☒ Mine Development

☐ Municipal

☐ General Water Works

☐ Power

12. WATER USE

Indicate using the boxes below, the type(s) of water use(s) approved in the existing licence?

- ☒ To obtain water for domestic purposes  
☒ To obtain water for industrial purposes  
☐ To cross a watercourse  
☐ To alter the flow of, or store water
- ☐ Flood control  
☐ To divert a watercourse  
☐ To modify the bed or bank of a watercourse  
☐ Other: \_\_\_\_\_

Does the proposed amendment change the type(s) of water use(s)? ☐ Yes ☒ No

If Yes, indicate the amendment(s) to the type(s) of water use(s) noting any water use(s) that are to be added, continued or removed \_\_\_\_\_

\_\_\_\_\_

13. QUANTITY OF WATER INVOLVED

Does the proposed amendment change the source of water? ☐ Yes ☒ No

Indicate the amended water source(s) noting any water sources that are to be added, continued or removed

\_\_\_\_\_

Does the proposed amendment change the quality of the water source and/or its available capacity?

☐ Yes ☒ No

Describe the quality of the water source(s) and the available capacity: \_\_\_\_\_

\_\_\_\_\_

Does the proposed amendment change the quantity of water to be used from each source?

☐ Yes ☒ No

Estimated quantity(s) of water to be used from each source:

- ☐ 100m<sup>3</sup>/day or less
- ☐ Greater than 100m<sup>3</sup>/day

N/A There will be no water use in constructing and operating the bladder farm or the Enviro-tanks.

Does the proposed amendment change the method of extraction? ☐ Yes ☒ No

Describe the method of extraction: \_\_\_\_\_N/A

Does the proposed amendment change the quantity of water returned to source(s)? ☐ Yes ☒ No

Estimated quantities of water returned to source(s): \_\_\_\_\_N/A\_\_\_\_\_m<sup>3</sup>/day

Does the proposed amendment change the quality of water returned to source(s)? ☐ Yes ☒ No

Describe the quality of water returned to source(s): \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

14. WASTE

Check the appropriate box(es) to indicate the type(s) of waste(s) approved in the existing licence:

- ☒ Sewage
- ☒ Solid Waste
- ☒ Hazardous
- ☒ Bulky Items/Scrap Metal
- ☐ Animal Waste
- ☐ Other (describe): \_\_\_\_\_
- ☒ Waste oil
- ☒ Greywater
- ☐ Sludges
- ☐ Contaminated soil and/or water

Does the proposed amendment change the type(s) of waste(s) to be generated and/ or deposited?

☐ Yes ☒ No

If Yes, indicate the amendments to the type(s) of waste(s) to be generated and/or deposited noting the addition, removal or continued generation and/or disposal of waste(s) \_\_\_\_\_

15. QUANTITY AND QUALITY OF WASTE INVOLVED

Does the proposed amendment change the quantity or quality of any of the types of wastes involved?

☐ Yes ☒ No

If Yes, which type(s) of waste(s) \_\_\_\_\_

For each type of waste to be generated and disposed complete the following table:

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method

16. OTHER AUTHORIZATIONS

Does the proposed amendment change the need for other authorizations in addition to the sub-surface and surface land use authorizations provided in Block 6? ☒ Yes ☐ No

If Yes, indicate any additional authorizations required, indicate which authorizations are no longer required, and which authorizations continue to be required.

For each provide the following:

Authorization: **Commercial Lease amendment.**

Administering Agency: **Kivalliq Inuit Association**

Project Activity: **Advanced Exploration, including constructing and operation of the bladder farm and Envirotanks**

Date (expected date) of issuance: **2002** Date of expiry: **30 June 2012**

**17. PREDICTED ENVIRONMENTAL IMPACTS OF UNDERTAKING AND PROPOSED MITIGATION MEASURES**

Does the proposed amendment change the predicted environmental impacts of the undertaking and the proposed mitigation measures? ☐ Yes ☒ No

Describe direct, indirect, cumulative impacts, etc. [AEM does not believe that there will be any additional impacts to water resulting from this increase in fuel capacity. There will be no associated increase in water consumption or waste water generation.](#)

**18. WATER RIGHTS OF EXISTING AND OTHER USERS OF WATER**

Was compensation paid and/or an agreement(s) for compensation been entered into with any existing or other users of water during consideration of the existing licence?

☐ Yes ☒ No

If Yes, provide the names, addresses and the nature of water use by those persons or properties.

Does the proposed amendment adversely affect any known persons or property including those that hold licences for water use in precedence to the application, domestic users, in-stream users, authorized waste depositors, owners of property, occupiers of property, and/or holders of outfitting concessions, registered trapline holders, and holders of other rights of a similar nature?

☐ Yes ☒ No

If Yes, provide the names, addresses and the nature of water use of those persons or properties.

Advise the Board if compensation has been paid and/or an agreement(s) for compensation has been reached with any existing or other water users with respect to the proposed amendment

**19. INUIT WATER RIGHTS**

Was compensation paid/ or an agreement(s) for compensation been entered into with any Designated Inuit Organization (DIO) during consideration of the existing licence?

☐ Yes ☒ No

If Yes, which DIO(s) \_\_\_\_\_

Does the proposed amendment substantially affect the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL)?

☐ Yes ☒ No

If Yes, advise the Board if negotiations have commenced or an agreement to pay compensation for any loss or damage has been reached with one or more DIO(s) with respect to the proposed amendment

**20. CONSULTATION -** Provide a summary of any consultation meetings including when the meetings were held, where and with whom. Include a list of concerns expressed and measures to address concerns,

[See the document attached: Consultations and Meetings for Community, Regulatory Agencies and Elders 1995-2011.](#)

**21. SECURITY INFORMATION**

Provide an updated financial security assessment prepared in a manner consistent with the principals respecting mine site reclamation and implementation found in the *Mine Site Reclamation Policy for Nunavut*, Indian and Northern Affairs Canada, 2002.

Provide an updated estimate of the total financial security for final reclamation equal to the total outstanding reclamation liability for land and water combined sufficient to cover the highest liability over the life of the undertaking. Estimates of reclamation costs must be based on the cost of having the necessary reclamation work done by a third party contractor if the operator defaults.

[In July 2011, AEM and AAND reached agreement that the security for the Meliadine site should be 905 231\\$. The KIA also hold a security of 950 000 \\$ on the project.](#)



22. FINANCIAL INFORMATION

Provide an updated statement of financial security.

AEM is a publically traded company on the Toronto and New York stock exchanges having a market capitalization of over 10 billion of dollars.

If the applicant is a business entity, provide a list of the officers of the company.

Vice-President, Canada: Paul-Henri Girard Cadillac office 819-759-3700 Val D’Or office 819-874-7822  
Area Manager, Nunavut: Denis Gourde Cadillac office 819-759-3700 Val D’Or office 819-874-7822  
Project Manager: Eric Lamontagne Cadillac office 819-759-3700 Val D’Or office 819-759-3700  
Exploration Manager: Denis Vaillancourt Val d’Or office 819-874-5980  
AEM Toronto head office 416-947-1212

If the applicant is a business entity attach a copy of the Certificate of Incorporation or evidence of registration of the company name. AEM is a publically traded company on the Toronto and New York stock exchanges.

23. STUDIES UNDERTAKEN

List and attach updated studies, reports, research etc.

Provide a compliance assessment and status report including a response to any inspector’s reports. The licensee must contact the NWB for licence specific direction in completing the assessment and report.

If in non-compliance, a licence may not be issued until compliance is achieved. If in non-compliance, attach plans/reports for consideration. Application will not be processed if significant issues of non-compliance exist.

24. PROPOSED TIME SCHEDULE

Does the proposed amendment change the time schedule considered in the existing licence for any phase of development?

☐ Yes ☒ No

Indicate the proposed start and completion dates for each applicable phase of development (construction, operation, closure, and post closure)

Construction

Proposed Start Date : March 2012 Proposed Completion Date: April 2012  
(month/year) (month/year)

Operation

Proposed Start Date: (month/year) Proposed Completion Date: (month/year)

Closure

Proposed Start Date: (month/year) Proposed Completion Date: (month/year)

Post - Closure

Proposed Start Date: (month/year) Proposed Completion Date: (month/year)

For each applicable phase of development indicate which season(s) activities occur

Construction

☒ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

Operation

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☒ All season

Closure

☐ Winter ☐ Spring ☒ Summer ☐ Fall ☐ All season

Post - Closure

☐ Winter ☐ Spring ☐ Summer ☐ Fall ☐ All season

25. PROPOSED TERM OF LICENCE AMENDMENT

On what date does the existing licence expire? September 2014

Is the licensee applying for a combined renewal and amendment of the existing licence?

☐ Yes ☒ No

If Yes, indicate the proposed term of the renewal (maximum of 25 years): \_\_\_\_\_

Proposed Date of Issuance: \_\_\_\_\_ Proposed Expiry Date: \_\_\_\_\_  
(month/year) (month/year)

26. ANNUAL REPORTING – Provide details regarding the content of annual reports and a proposed outline or template of the annual report.

Agnico-Eagle Mines Limited (AEM) uses the revised Standardized NWB Annual Reporting Form. It includes all monitoring data, spill reports, number of drill holes, drill holes over 600m, water use for the camp and drills, waste rock and ore on surface, a list of studies carried out. A summary of modification and/or major maintenance work, work plan for 2012, any updates of Plans, an update of the reclamation security, a summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year, review and update the reclamation plan.

27. CHECKLIST

The following must be included with the application for Amendment for the water licensing process to begin

Completed Application for Water Licence Amendment form

☒ Yes ☐ No If no, date expected \_\_\_\_\_

Information addressing Supplemental Information Guideline (SIG) , where applicable (see Block 10)

☐ Yes ☒ No If no, date expected Not applicable

Compliance Assessment / Status Report (see Block 21)

☐ Yes ☒ No If no, date expected Oct 28<sup>th</sup> , 2011

Indicate of Renewal Requirement (see Block 23)

☒ Yes ☐ No If no, date expected \_\_\_\_\_

English Summary of Amendment Application

☒ Yes ☐ No If no, date expected \_\_\_\_\_

Inuktitut and/or Inuinnaqtun Summary of Amendment Application

☒ Yes ☐ No If no, date expected \_\_\_\_\_

Application fee of \$30.00 CDN (Payee Receiver General for Canada)

☒ Yes ☐ No If no, date expected \_\_\_\_\_

Water Use fee of \$30.00 CDN (Payee Receiver General for Canada)

☒ Yes ☐ No If no, date expected \_\_\_\_\_

28. SIGNATURE

Sylvain Doire	Environmental Coordinator		October 12, 2011
Name (Print)	Title (Print)	Signature	Date

<b>For Nunavut Water Board office use only</b>		
<b>APPLICATION FEE</b>	<b>Amount: \$</b> _____	<b>Pay ID No.:</b> _____
<b>WATER USE DEPOSIT</b>	<b>Amount: \$</b> _____	<b>Pay ID No.:</b> _____