

## **Application for Water Licence Amendment**

Document Date: April 2013

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Month/Day/Year

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## **DOCUMENT MANAGEMENT**

Original Document Date: April 2010

### **DOCUMENT AMENDMENTS**

	Description	Date
(1)	Updated for public distribution as separate document from NWB Guide 7	June 2010
(2)	Updated NWB logos and reformatted table to allow rows to break across page	May 2011
(3)	New NWB logo; request for background information; and change to Block 24	April 2013
(4)		
(5)		
(6)		
(7)		
(8)		
(9)		
(10)		



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NUNAVUT IMALIRIYIN KATIMAYIT OFFICE DES EAUX DU NUNAVUT

#### APPLICATION FOR WATER LICENCE AMENDMENT

The applicant is referred to the NWB's Guide 7: <u>Licensee Requirements Following the Issuance of a Water Licence</u> for more information about this application form.

Where possible, provide background information regarding the original licence application or attach previously submitted information.

EXISTING LICENCE NO: 2AM-MEL1631
1. LICENSEE CONTACT INFORMATION
Is the licensee the same as that referred to on the existing licence?
X Yes □ No
If No, a licence assignment must be completed and approved by the NWB. An amendment will only be issued in the name of the current licensee in the absence of assignment of the licence.
If the licensee is the same, but the <u>name</u> of the licensee has changed, attach a certificate of name change.
Name:
Address:
Phone: Fax: e-mail:
2. LICENSEE REPRESENTATIVE CONTACT INFORMATION – If different from Block 1.
Name:
Address:
Phone: Fax: e-mail:  (Attach authorization letter.)

3. NAME OF PROJECT
Has the name of the project changed?
☐ Yes X No
If Yes, indicate the name of the project including the name of the location:
4. LOCATION OF UNDERTAKING
Does the proposed amendment change the location of the amended undertaking?
☐ Yes X No
Provide the project extents and camp locations. Identify proposed changes.
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: ( ° ' "N) Longitude: ( ° ' "W)
5. MAP
Does the proposed amendment change the locations of any of the main components of the undertaking?
X Yes □ No
Attach a topographical map, indicating the main components of the undertaking. Identify proposed changes.
Refer to Figure 1.2-1 of the Meliadine Water Licence Amendment Main Application Document submitted as par of this Amendment Application
NTS Map Sheet No.: Map Name: Map Scale:
6. NATURE OF INTEREST IN THE LAND
Does the proposed amendment change the nature of the interest in the land?
☐ Yes X No
See Section 1.4.4 and Section 1.6 of the Meliadine Water Licence Amendment Main Application Document submitted as part of this Amendment Application
If Yes, indicate changes
Check any of the following that are applicable to the proposed undertaking (at least one box under the 'Surface' header must be checked).
Sub-surface

	☐ Mineral Lease from Nunavut Tunngavik Inco	orporated (NTI) Date of expiry:
	☐ Mineral Lease from Indian and Northern Aff Date (expected date) of issuance:	airs Canada (INAC) Date of expiry:
	Surface	
	Crown Land Use Authorization from Indian and Date (expected date) of issuance:	and Northern Affairs Canada (INAC) Date of expiry:
	☐ Inuit Owned Land (IOL) Authorization from IDate (expected date) of issuance:	Kitikmeot Inuit Association (KIA) Date of expiry:
	X IOL Authorization from Kivalliq Inuit Associate Date (expected date) of issuance: _Existing authorized Date of expiry:June 29, 2027	uthorization that would be extended
	☐ IOL Authorization from Qikiqtani Inuit Associ Date (expected date) of issuance:	ciation (QIA) 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 e?	same as that considered in the existing water
	X Yes	No
If No,	a licence assignment must be completed and a	pproved by the NWB.
Name	of entity(s) holding authorizations:	
		<del>-</del>
7.	NUNAVUT PLANNING COMMISSION (NPC)	DETERMINATION
Indica	te the land use planning area in which the existi	ng project is located.
	South Baffin	ewatin nikiluaq est Kitikmeot
Does	the proposed amendment change the land use բ	planning area?
	□Ye	s X No
If yes,	indicate the land use planning area in which the	e amended undertaking is located.
	South Baffin	ewatin nikiluaq est Kitikmeot

Was a land use plan conformity determination required from NPC prior to the issuance of the existing water licence?
X Yes  No
If Yes, indicate date issued and attach copy. January 25, 2024 for Meliadine Water Licence Amendment and previous conformity determinations provided still apply (see Appendix B and Section 1.4.3 of the Main Application Document submitted as part of this Amendment Application, respectively).
Does the proposed amendment change the original NPC conformity determination or the need to obtain one?
☐ Yes X No
If Yes, indicate date issued (or expected) and attach a copy.  If No, provide written confirmation from NPC confirming that a land use plan conformity review is not required.
8. NUNAVUT IMPACT REVIEW BOARD (NIRB) DETERMINATION
Was a screening determination required from NIRB prior to the issuance of the existing water licence?
X Yes □ No
If Yes, indicate date issued and attach copy.
Project screening was completed in 2011 110708 2AM-MEL11EN034-NIRB Screening Decision Report – ODTE.pdf 110914 2AM-MELMinister to NIRB on Screening Decision – IMLE.pdf
A Part 5 Review by NIRB was required. NIRB issued Project Certificate No. 006 on February 26, 2015.  Reconsiderations of that Project Certificate have been considered on two occasions  1) to permit the discharge of saline water at Itivia via truck in 2018 (Amendment 1)  2) to permit the discharge of saline water at Itivia via waterline in 2022 (Amendment 2)
A copy of the Project Certificate Amendments are on file with NWB public registry for the Project at the following link: <a href="mailto:ftp://ftp.nwb-oen.ca/registry/2%20MINING%20MILLING/2A/2AM%20-%20Mining/2AM-MEL1631%20Agnico/2%20ADMIN/2%20NPC%20NIRB/1%20NIRB/">ftp://ftp.nwb-oen.ca/registry/2%20MINING%20MILLING/2A/2AM%20-%20Mining/2AM-MEL1631%20Agnico/2%20ADMIN/2%20NPC%20NIRB/1%20NIRB/</a>
Does the proposed amendment change the original NIRB screening determination or the need to obtain one?
☐ Yes X No
If Yes, indicate date issued (or expected) and attach a copy.  If No, provide written confirmation from NIRB confirming that a screening determination is not required.
See above conformity.
9. DESCRIPTION OF UNDERTAKING
Does the proposed amendment change the description of the undertaking?
X Yes  No

List and attach plans and drawings or project proposal. Identify proposed changes.

To support the completion of mining of all deposits permitted at the Meliadine Mine (Tiriganiaq, Wesmeg/Wesmeg North, Pump, F Zone, and Discovery), Agnico Eagle has identified that the following components included in the 2014 FEIS and already approved under Project Certificate No. 006 which require licensing under the Type A Water Licence (collectively referred to as the Meliadine Mine Water Licence Amendment):

- temporary ore stockpiles (three facilities located near Pump, F Zone, and Discovery)
- Tailings Storage Facility capacity to 20.6 m<sup>3</sup>
- waste rock storage facilities (located at Pump, F Zone, and Discovery deposits)
- fuel storage at Rankin Inlet from 37.5 million litres (ML) to 80 ML
- annual operational water use limits from 742,000 m<sup>3</sup>/yr to 1,100,296 m<sup>3</sup>/yr
- Saline Pond (SP6)
- contact water infrastructure for Pump, Wesmeg, F Zone, and Discovery
- Dewatering of the Lakes/Ponds to support mining at Pump, Wesmeg, F Zone and Discovery

Further details can be found in the accompanying documents:

- Meliadine Mine Water Licence 2AM-MEL1631 Amendment Main Application Document
- Supporting Documents Appendices A through Appendix G

	Supporting Documents Appendices A timough Appendix G
10.	OPTIONS
	the proposed amendment change any of the alternative methods and locations that were considered y out the project?
	☐ Yes X No
	e a brief explanation of the alternative methods or locations that were considered to carry out the t. Identify proposed changes.
11.	CLASSIFICATION OF PRIMARY UNDERTAKING
Indica	ate the primary classification of undertaking for the existing licence by checking one of the following boxes:
	☐ Industrial       ☐ Agricultural         X Mining and Milling (includes exploration/drilling/exploration camps)       ☐ Conservation         ☐ Municipal (includes camps/lodges)       ☐ Recreational         ☐ Power       ☐ Miscellaneous (describe below):
Does	the proposed amendment change the classification of primary undertaking?
	☐ Yes X No
If Yes	s, indicate the primary undertaking of the amendment:
	mation in accordance with applicable Supplemental Information Guidelines (SIG) must be updated and nitted with an Application for Amendment. Indicate which SIG(s) are applicable to your application.
	<ul> <li>☐ Hydrostatic Testing</li> <li>☐ Tannery</li> <li>☐ Tourist / Remote Camp</li> <li>☐ Landfarm &amp; On-Site Storage of Hydrocarbon Contaminated Soil</li> </ul>

<ul> <li>☐ Onshore Oil and Gas Exploration Drilling</li> <li>☐ Mineral Exploration / Remote Camp</li> <li>☐ Advanced Exploration</li> <li>X Mine Development</li> <li>☐ Municipal</li> <li>☐ General Water Works</li> <li>☐ Power</li> </ul>
12. WATER USE
Indicate, using the boxes below, the types of water use(s) approved in the existing licence.
X To obtain water for camp/ municipal purposes X To obtain water for industrial purposes X To cross a watercourse X To alter the flow of, or store water X Other: Dewater lakes X To obtain water for camp/ municipal purposes X To divert a watercourse X To modify the bed or bank of a watercourse X Flood control
Does the proposed amendment change the type(s) of water use(s)?
☐ Yes X No
If Yes, indicate using the boxes below, the proposed change(s) to the type(s) of water use(s) noting any water use(s) that are to be added, continued, or removed.
☐ To obtain water for camp/ municipal purposes         ☐ To obtain water for industrial purposes       ☐ To divert a watercourse         ☐ To cross a watercourse       ☐ To modify the bed or bank of a watercourse         ☐ To alter the flow of, or store water       ☐ Flood control         ☐ Other:       ☐ To modify the bed or bank of a watercourse
13. QUANTITY OF WATER INVOLVED
Does the proposed amendment change the source of water? ☐ Yes X No
Indicate the water source(s). Meliadine Lake will continue as water source Identify proposed changes.: (show location(s) on map)
Does the proposed amendment change the quality of the water source and/or its available capacity?
☐ Yes X No
Describe the quality of the water source(s) and the available capacity(s). Identify any changes
Does the proposed amendment change the overall quantity of water to be used?
X Yes No
Provide the overall estimated quantity to be used. Identify proposed changes:
Operations: 1,100,296 m³/yr Closure: 8,676,481 m³/yr

Does the proposed amendment change the quantity of water to be used from each source?  X Yes  No  Provide the estimated quantity(s) of water to be used from each source. Identify proposed changes:  Meliadine Lake during Operations: 1,100,296 m³/year  Meliadine Lake during Closure: 8,676,481 m²/year  Meliadine Lake during Meliadine Mine WL  Amendment  Meliadine Mine Meliadine Meliadin	Additional details are provided in Section 2.3.6.1 of the Meliadine Water Licence Amendment Main Application Document.						
Provide the estimated quantity(s) of water to be used from each source. Identify proposed changes:  Meliadine Lake during Operations: 1,100,296 m³/year  Meliadine Lake during Closure: 8,676,481 m³/year	Does	the proposed amendm	ent change the q	uantity of water to b	e used from each	n source?	
Meliadine Lake during Operations: 1,100,296 m³/year  Meliadine Lake during Closure: 8,676,481 m³/year    Times				X Yes □ No			
Meliadine Lake during Operations: 1,100,296 m³/year  Meliadine Lake during Closure: 8,676,481 m³/year    Times	Provid	le the estimated quanti	tv(s) of water to b	e used from each s	ource. Identify p	roposed changes:	
Meliadine Lake during Closure: 8,676,481 m³/year		·	. ,		- шоли, р	. opened endinger.	
tems							
Camp Use		Items	2014	4 FEIS	Water Licence		
Truck Shop-Washbay 8.5 74,460 9,636 365  Paste Plant 5.5 48,180 105,120 157,000  Mill 107.2 939,072 424,860 652,000  Drilling Water N/A N/A 1,460 730  Dust Control 18 45,000 24,168 24,168  Emulsion Plant 1.6 14,016 1,520 1,950  Underground Washbay 50 438,000 2,200 2,200  Discovery Installation 5,500  Pit Production 1.5 12,000 N/A  Sub-total 198 1,620,397 618,964 916,913  Contingency 25% 20% 20%  Total 247.5 2,168,100 742,757 1,100,296  Does the proposed amendment change the quantity of water to be used for each purpose?  X Yes No  Provide the estimated quantities to be used for each purpose (camp, drilling, etc.). Identify proposed changes  See above table  Does the proposed amendment change the method(s) of extraction? Yes X No  Describe the method(s) of extraction. Identify proposed changes.:  Does the proposed amendment change the quantity(s) of water returned to source(s)?  X Yes No  Estimated quantity(s) of water returned to source(s). Identify proposed changes. refer to Section 3 of the Wate Balance and Water Quality Model Technical Report provided as Appendix E to the Water Management Plan m³/day  Does the proposed amendment change the quality(s) of water returned to source(s)?		nomo	provided in m <sup>3</sup> /h	converted to m³/yr	m³/yr	m³/yr	
Paste Plant 5.5 48,180 105,120 157,000  Mill 107.2 939,072 424,860 652,000  Drilling Water N/A N/A 1,460 730  Dust Control 18 45,000 24,168 24,168  Emulsion Plant 1.6 14,016 1,520 1,950  Underground Washbay 50 438,000 2,200 2,200  Discovery Installation 5,500  Pit Production 1.5 12,000 N/A  Sub-total 198 1,620,397 618,964 916,913  Contingency 25% 20% 20%  Total 247.5 2,168,100 742,757 1,100,296  Does the proposed amendment change the quantity of water to be used for each purpose?  X Yes No  Provide the estimated quantities to be used for each purpose (camp, drilling, etc.). Identify proposed changes  See above table  Does the proposed amendment change the method(s) of extraction? Yes X No  Describe the method(s) of extraction. Identify proposed changes.:  Does the proposed amendment change the quantity(s) of water returned to source(s)?  X Yes No  Estimated quantity(s) of water returned to source(s). Identify proposed changes. refer to Section 3 of the Wate Balance and Water Quality Model Technical Report provided as Appendix E to the Water Management Plan m³/day  Does the proposed amendment change the quality(s) of water returned to source(s)?		Camp Use	5.67	49,669	50,000	73,000	
Mill   107.2   939.072   424,860   652,000   Drilling Water   NI/A   NI/A   NI/A   1,460   730   Dust Control   18   45,000   24,168   24,168   Emulsion Plant   1.6   14,016   1,520   1,950   Discovery Installation   5,500   Discovery Installation   5,500   Discovery Installation   5,500   Discovery Installation   1.5   12,000   NI/A   Sub-total   198   1,620,397   618,964   916,913   Contingency   25%   20%   20%   20%   Total   247.5   2,168,100   742,757   1,100,296   Discovery Installation   742,757   Discovery Installation   742,757   Discovery Installation   742,757   Discovery Installation   Discov		Truck Shop-Washbay	8.5	74,460	9,636	365	
Drilling Water		Paste Plant	5.5	48,180	105,120	157,000	
Dust Control 18 45,000 24,168 24,168   Emulsion Plant 1.6 14,016 1,520 1,950   Underground Washbay 50 438,000 2,200 2,200   Discovery Installation   5,500   Pit Production 1.5 12,000 N/A   Sub-total 198 1,620,397 618,964 916,913   Contingency 25% 20% 20%   Total 247.5 2,168,100 742,757 1,100,296   Ocean Emulsion		Mill	107.2	939,072	424,860	652,000	
Emulsion Plant 1.6 14,016 1.520 1,950 Underground Washbay 50 438,000 2,200 2,200 Discovery Installation 5,500 Pit Production 1.5 12,000 N/A Sub-total 198 1,620,397 618,964 916,913 Contingency 25% 20% 20% Total 247.5 2,168,100 742,757 1,100,296  Does the proposed amendment change the quantity of water to be used for each purpose?  X Yes No  Provide the estimated quantities to be used for each purpose (camp, drilling, etc.). Identify proposed changes See above table  Does the proposed amendment change the method(s) of extraction? Yes X No  Describe the method(s) of extraction. Identify proposed changes.:  Does the proposed amendment change the quantity(s) of water returned to source(s)?  X Yes No  Estimated quantity(s) of water returned to source(s). Identify proposed changes. refer to Section 3 of the Wate Balance and Water Quality Model Technical Report provided as Appendix E to the Water Management Plan m³/day  Does the proposed amendment change the quality(s) of water returned to source(s)?		Drilling Water	N/A	N/A	1,460	730	
Underground Washbay 50 438,000 2,200 2,200 Discovery Installation 5,500 Pit Production 1.5 12,000 N/A Sub-total 198 1,620,397 618,964 916,913 Contingency 25% 20% 20% Total 247.5 2,168,100 742,757 1,100,296  Does the proposed amendment change the quantity of water to be used for each purpose?  X Yes No  Provide the estimated quantities to be used for each purpose (camp, drilling, etc.). Identify proposed changes See above table  Does the proposed amendment change the method(s) of extraction? Yes X No  Describe the method(s) of extraction. Identify proposed changes.:  Does the proposed amendment change the quantity(s) of water returned to source(s)?  X Yes No  Estimated quantity(s) of water returned to source(s). Identify proposed changes. refer to Section 3 of the Wathbalance and Water Quality Model Technical Report provided as Appendix E to the Water Management Plan m³/day  Does the proposed amendment change the quality(s) of water returned to source(s)?		Dust Control	18	45,000	24,168	24,168	
Discovery Installation   5,500   Pit Production   1.5   12,000   N/A   Sub-total   198   1,620,397   618,964   916,913   Contingency   25%   20%   20%   Total   247.5   2,168,100   742,757   1,100,296    Does the proposed amendment change the quantity of water to be used for each purpose?  X Yes		Emulsion Plant	1.6	14,016	1,520	1,950	
Pit Production 1.5 12,000 N/A Sub-total 198 1,620,397 618,964 916,913  Contingency 25% 20% 20% 20%  Total 247.5 2,168,100 742,757 1,100,296  Does the proposed amendment change the quantity of water to be used for each purpose?  X Yes No  Provide the estimated quantities to be used for each purpose (camp, drilling, etc.). Identify proposed changes  See above table  Does the proposed amendment change the method(s) of extraction? Yes X No  Describe the method(s) of extraction. Identify proposed changes.:  Does the proposed amendment change the quantity(s) of water returned to source(s)?  X Yes No  Estimated quantity(s) of water returned to source(s). Identify proposed changes. refer to Section 3 of the Water Balance and Water Quality Model Technical Report provided as Appendix E to the Water Management Plan m³/day  Does the proposed amendment change the quality(s) of water returned to source(s)?			50	438,000	2,200	2,200	
Sub-total 198 1,620,397 618,964 916,913  Contingency 25% 20% 20%  Total 247.5 2,168,100 742,757 1,100,296  Does the proposed amendment change the quantity of water to be used for each purpose?  X Yes No  Provide the estimated quantities to be used for each purpose (camp, drilling, etc.). Identify proposed changes  See above table  Does the proposed amendment change the method(s) of extraction? Yes X No  Describe the method(s) of extraction. Identify proposed changes.:  Does the proposed amendment change the quantity(s) of water returned to source(s)?  X Yes No  Estimated quantity(s) of water returned to source(s). Identify proposed changes. refer to Section 3 of the Wate Balance and Water Quality Model Technical Report provided as Appendix E to the Water Management Plan m³/day  Does the proposed amendment change the quality(s) of water returned to source(s)?						5,500	
Contingency 25% 20% 20%  Total 247.5 2,168,100 742,757 1,100,296  Does the proposed amendment change the quantity of water to be used for each purpose?  X Yes □ No  Provide the estimated quantities to be used for each purpose (camp, drilling, etc.). Identify proposed changes See above table  Does the proposed amendment change the method(s) of extraction? □ Yes X No  Describe the method(s) of extraction. Identify proposed changes. :  Does the proposed amendment change the quantity(s) of water returned to source(s)?  X Yes □ No  Estimated quantity(s) of water returned to source(s). Identify proposed changes. refer to Section 3 of the Wate Balance and Water Quality Model Technical Report provided as Appendix E to the Water Management Plan m³/day  Does the proposed amendment change the quality(s) of water returned to source(s)?		Pit Production	1.5	+			
Total 247.5 2,168,100 742,757 1,100,296  Does the proposed amendment change the quantity of water to be used for each purpose?  X Yes □ No  Provide the estimated quantities to be used for each purpose (camp, drilling, etc.). Identify proposed changes  See above table  Does the proposed amendment change the method(s) of extraction? □ Yes X No  Describe the method(s) of extraction. Identify proposed changes. :  Does the proposed amendment change the quantity(s) of water returned to source(s)?  X Yes □ No  Estimated quantity(s) of water returned to source(s). Identify proposed changes. refer to Section 3 of the Wate Balance and Water Quality Model Technical Report provided as Appendix E to the Water Management Plan □ "3'/day  Does the proposed amendment change the quality(s) of water returned to source(s)?		Sub-total		1,620,397			
Does the proposed amendment change the quantity of water to be used for each purpose?  X Yes No  Provide the estimated quantities to be used for each purpose (camp, drilling, etc.). Identify proposed changes  See above table  Does the proposed amendment change the method(s) of extraction? Yes X No  Describe the method(s) of extraction. Identify proposed changes.:  Does the proposed amendment change the quantity(s) of water returned to source(s)?  X Yes No  Estimated quantity(s) of water returned to source(s). Identify proposed changes. refer to Section 3 of the Wate Balance and Water Quality Model Technical Report provided as Appendix E to the Water Management Plan m³/day  Does the proposed amendment change the quality(s) of water returned to source(s)?							
X Yes No  Provide the estimated quantities to be used for each purpose (camp, drilling, etc.). Identify proposed changes  See above table  Does the proposed amendment change the method(s) of extraction? Yes X No  Describe the method(s) of extraction. Identify proposed changes.:  Does the proposed amendment change the quantity(s) of water returned to source(s)?  X Yes No  Estimated quantity(s) of water returned to source(s). Identify proposed changes. refer to Section 3 of the Wate Balance and Water Quality Model Technical Report provided as Appendix E to the Water Management Plan m³/day  Does the proposed amendment change the quality(s) of water returned to source(s)?		Total	247.5	2,168,100	742,757	1,100,296	
Does the proposed amendment change the method(s) of extraction?							
Describe the method(s) of extraction. Identify proposed changes. :	See a	bove table					
Does the proposed amendment change the quantity(s) of water returned to source(s)?  X Yes No  Estimated quantity(s) of water returned to source(s). Identify proposed changes, refer to Section 3 of the Water Balance and Water Quality Model Technical Report provided as Appendix E to the Water Management Plan m³/day  Does the proposed amendment change the quality(s) of water returned to source(s)?	Does	the proposed amendm	ent change the m	ethod(s) of extraction	on? Yes	X No	
X Yes \sum No  Estimated quantity(s) of water returned to source(s). Identify proposed changes. refer to Section 3 of the Water Balance and Water Quality Model Technical Report provided as Appendix E to the Water Management Plan \sum m^3/day  Does the proposed amendment change the quality(s) of water returned to source(s)?	Describe the method(s) of extraction. Identify proposed changes. :						
Estimated quantity(s) of water returned to source(s). Identify proposed changes. refer to Section 3 of the Water Balance and Water Quality Model Technical Report provided as Appendix E to the Water Management Plan m³/day  Does the proposed amendment change the quality(s) of water returned to source(s)?	Does	Does the proposed amendment change the quantity(s) of water returned to source(s)?					
Balance and Water Quality Model Technical Report provided as Appendix E to the Water Management Plan  m³/day  Does the proposed amendment change the quality(s) of water returned to source(s)?				X Yes No			
		ce and Water Quality M					
☐ Yes X No	Does the proposed amendment change the quality(s) of water returned to source(s)?						
				☐ Yes X No			

14.	WASTE	
Chec	k the appropriate box(s) to indicate	the types of waste(s) approved in the existing licence.
	X Sewage	X Waste oil
	X Solid Waste	X Greywater
	X Hazardous	X Sludges
	X Bulky Items/Scrap Metal X Animal Waste	X Contaminated soil and/or water
	X Other (describe):	
Does	the proposed amendment change	the type(s) of waste(s) to be generated or deposited?
		☐ Yes X No
		ne proposed change(s) to the type(s) of waste(s) to be generated noval or continued generation and/or disposal of waste(s).
	☐ Sewage	☐ Waste oil
	Solid Waste	Greywater
	Hazardous	Sludges
	☐ Bulky Items/Scrap Metal ☐ Animal Waste	☐ Contaminated soil and/or water
	Other (describe):	
	7	
5.	QUANTITY AND QUALITY OF W	WASTE INVOLVED
J.	QUANTITI AND QUALITY OF W	VASTE INVOLVED
Does	the proposed amendment change	the quantity(s) of the types of wastes involved?
		X Yes □ No
Does	the proposed amendment change	the composition(s) of the types of wastes involved?
		X Yes No
Does	the proposed amendment change	the method(s) of treatment for the types of waste involved?
		☐ Yes X No
Does	the proposed amendment change	the method(s) of disposal for the types of waste involved?
		X Yes  No
If Yes	s to any of the above, describe the p	proposed changes:
	ion of waste rock storage facilities.	s F-9, F-10, F-13, F-14, F-15
	ach type of waste indicated in Block od of treatment and method of dispo	k 14, describe its composition, quantity in cubic meters/day,

Type of Waste	Composition	Quantity Generated	Treatment Method	Disposal Method
Overburden	NPAG, low potential for meta leaching, and will meet MDMER monthly mean limits	34.5 Mt	None	Construction of the TSF Cover Co-disposed with waste rock in, WRSFs
Waste Rock from Open Pits	Non-potential acid generating and low potential for metal leaching	168.8 Mt	None	Infrastructure construction, Construction of TSF cover, Construction of Disc WRSF cover, Stored in WRSFs
Tailings	Material by-product of the gold recovery process and generally comprise of sand, silt, and clay sized particles	28.1 Mt	Dewatered by pressure filtration to a solids content	Tailings places in TSF;
Compost / Incinerator Ash	Food, food waste, wood, paper, carboard	340 tonnes/year during operations	Incinerating or composting	Incinerator ash and compost material to be disposed of in landfill.
Domestic Waste	Non-salvageable, non-hazardous, non-putrescible solid Wastes	884 m³/year during operations	None	Continue to WRSF1 Landfill
Contaminated Soil / Snow	Soils, rock, ice, and snow contaminated by light hydrocarbons	350 m³/year during operations	Bioremediation	Continue to use approved Landfarm

#### 16. OTHER AUTHORIZATIONS

Does the proposed amendment change the need for other authorizations in addition to the sub-surfac
and surface land use authorizations provided in Block 6?

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

For each provide the following:

Additional approvals will be required under the *Fisheries Act* and MDMER Schedule 2 listing. Schedule 2 listing has already been initiated with ECCC, as has engagement with DFO; refer to Section 2.3.7 of the Meliadine Water Licence Amendment Main Application Document.

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

Does the proposed amendment change the predicted environmental impacts of the undertaking or the mitigation measures?

☐ Yes X No

Describe direct, indirect, and cumulative impacts related to water and waste. Identify any changes.

The Meliadine Mine impacts (direct, indirect, cumulative) were evaluated in the 2014 FEIS can be found at the following link:

ftp://ftp.nwb-oen.ca/registry/2%20MINING%20MILLING/2A/2AM%20-%20Mining/2AM-

MEL1631%20Agnico/2%20ADMIN/2%20NPC%20NIRB/1%20NIRB/140505%202AM-MEL----%20Final%20EIS-

IMLE/

Likewise mitigation and monitoring was proposed and implemented consistent with the Project Certificate and various permits, authorization and licenses including the Type A Water Licence.

Agnico Eagle has developed monitoring and management programs required to mitigate, monitor, and report on its environmental performance against the regulatory requirements contained within the approved Meliadine Mine operating authorizations, permits, licenses, and leases consistent with the legal requirements of applicable Acts and Regulations in Nunavut.

18. WATER RIGHTS OF EXISTING AND OTHER WATER USERS
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 X 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 X 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?
X Yes □ No
If Yes, which DIO(s) Kivalliq Inuit Association
Does the proposed amendment substantially affect the quality, quantity or flow of waters flowing through Inuit Owned Land (IOL)?
X 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.
Negotiation to be held.
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.

Agnico Eagle has engaged with multiple stakeholders on the Meliadine Mine in advance of filing this Application for amendment and anticipates that engagement will continue during the NWB's consideration of this Application.

For additional information, refer to Section 1.7 and Appendix C of the of the Meliadine Water Licence Amendment Application. 21. **SECURITY INFORMATION** Does the proposed amendment change the financial security assessment? X Yes □No Does the proposed amendment change the estimate of the total financial security for final reclamation? X Yes □No Provide an 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. The estimate must also include contingency factors appropriate to the particular work to be undertaken. Identify any changes in the financial security assessment resulting from the proposed amendment. Refer to the updated Interim Closure and Reclamation Plan, provided in Appendix F-12 of the Meliadine Water Licence Amendment Application. Where applicable, the financial security assessment should be 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. FINANCIAL INFORMATION 22. Is the statement of financial security the same as that considered in the existing water licence? ☐Yes X No Provide an updated statement of financial security. Agnico Eagle's 2022 annual report is available on-line (here) If the applicant is a business entity please answer the questions below: Is the list of the officers of the company the same as those considered in the existing water licence? ☐ Yes X No Provide a list of the officers of the company. Executive Chari of Board – Sean Boyd President and CEO – Ammar Al-Joundi Executive Vice-Presidents: Dominique Girad, Guy Gosselin, Eric Kallio, Carol Plummer, Jean Robitaille, David Smith, Natasha Vaz, Chris Vollmershausen Is the Certificate of Incorporation or evidence of registration of the company name the same?

X Yes

∏No

Attach a copy of the Certificate of Incorporation or evidence of registration of the company name.

#### 23. STUDIES UNDERTAKEN TO DATE

List and attach updated studies, reports, research etc.

The following studies have been further evaluated to support the Water Licence Amendment, and are provided with the Amendment Application as follows:

- Appendix D: Design Reports
  - D-1: Prefeasibility Level Design for Water Management Infrastructures for Operation Phase, Meliadine Mine
  - D-2: Stability Analyses for the Proposed Tailings Storage Facility, Meliadine Mine Water Licence Amendment
- Appendix E: Technical Reports
  - E-1: Spring 2021 Geotechnical Site Investigation
  - E-2: Thermal Modelling of Meliadine Discovery WRSF
  - E-3: Meliadine Mine 2022 Thermal Assessment
  - E-4: Updated Summary of Hydrogeology Existing Conditions Meliadine Mine
  - E-5: Westbay Monitoring Well System M20-3071, 2021 Groundwater Program Meliadine Mine
  - E-6: Updated Hydrogeology Modelling Meliadine Mine
  - E-7: Meliadine Project Predicted Groundwater-Surface Water Interaction at Post Closure Versus Existing Conditions
  - Water Balance and Water Quality Model Technical Report (Appendix E to the Water Management Plan)
- Appendix F-1 to F-22: Monitoring and Management Plans
- Appendix G: Prior Engagement on Meliadine Infrastructure

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.

Refer to Section 1.5 of the of the Meliadine Water Licence Amendment Application.

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

When are proposed amendments scheduled to be undertaken: Per the enclosed materials and cover letter, the Water Licence Amendment Application is necessary to complete mining to 2031. Certain infrastructure must proceed in the second half of 2024 to support these timelines. Agnico Eagle is requesting amendments to be issued on a schedule that aligns with these project requirements.

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

Yes 🗶	N	lc
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Indicate the start and completion dates for each applicable phase of development (construction, operation, closure, and post closure). Identify proposed changes.

#### Construction

Proposed Start Date: 2024 Proposed Completion Date: 2029

Construction will continue through the operation phase to prepare for mining of new deposits.

	Operation Proposed Start Date: 2024 Proposed Completion Date: 2031								
	Closure Proposed Start Date: 2032 Proposed Completion Date: 2038								
	Post - Closure Proposed Start Date: 2039 Proposed Completion Date: 2048								
For each applicable phase of development indicate which season(s) activities occur.									
	Construction ☐ Winter ☐ Spring ☐ Summer ☐ Fall X All season								
	Operation Winter Spring Summer Fall X All season								
	Closure ☐ Winter ☐ Spring ☐ Summer ☐ Fall X All season								
	Post - Closure ☐ Winter ☐ Spring ☐ Summer ☐ Fall X All season								
25.	PROPOSED TERM OF LICENCE								
On wh	nat date does the existing licence expire? March 31, 2031								
Is the	Licensee applying for a combined renewal and amendment of the existing licence?								
	☐ Yes X No								
If Yes, indicate the proposed term of the renewal (maximum of 25 years):									
Requested date of renewal issuance: Requested Expiry Date: (month/year) (month/year)									
(The requested date of renewal issuance must be <u>at least</u> three (3) months from the date of application for a type B water licence and <u>at least</u> one (1) year from the date of application for a type A water licence, to allow for processing of the water licence application. These timeframes are approximate and do not account for the time to complete any pre-licensing land use planning or development impact requirements, time for the applicant to prepare and submit a water licence application in accordance with any project specific guidelines issued by the NWB, or the time for the applicant to respond to requests for additional information. See the NWB's <i>Guide 5: Processing Water Licence Applications</i> for more information)									
26.	ANNUAL REPORTING								
Will the proposed amendment change the content of annual reports or the annual report template?									
☐ Yes X No									
If Yes, report.	provide details regarding the content of annual reports and a proposed outline or template of the annual								
27.	CHECKLIST								
The following must be included with the application for Amendment for the water licensing process to begin.									

l N	lame (Print)	Title (Pri	nt)	Signature	Date		
	mie Quesnel	Director, Permi Regulatory A	Affairs	Jel.	26-Jan-24		
28.	SIGNATURE						
			eiver Genera	e expected As per <i>Nunavut V</i> for Canada are not required vater Compensation Agreem	given the Project is on		
	fee will be calcula		sed upon the	ceiver General for Canada). amount of water authorized icence.			
	X Yes	□No	If no, da	e expected	<del></del>		
	Application fee of \$30.00 CDN (Payee Receiver General for Canada).						
	X Yes	□No	If no, da	e expected			
Inuktitut and/or Inuinnaqtun Summary of Amendment Application.							
	X Yes	□No	If no, da	e expected			
	English Summary of Amendment Application.						
	X Yes	□No	If no, da	e expected	<del></del>		
	Indication of Ren	ewal Requirement (s	ee Block 26)				
	X Yes	□No	If no, da	e expected			
	Compliance Assessment / Status Report (see Block 23).						
	X Yes	□No	If no, da	e expected			
Information addressing Supplement Information Guideline (SIG), where applicable (see Bloc							
	X Yes	□No	If no, da	e expected	<del></del>		
	Completed Applic	cation for Water Lice	nce Amendm	ent form.			