

WATER LICENCE INSPECTION FORM

☒ Original

☐ Follow-Up Report

Licensee	Licensee Representative
Agnico-Eagle Mines Limited	Jennifer Brown
Licence No. / Expiry	Representative's Title
2AM-MEL1631 / March 31st 2031	Environmental Coordinator
Land / Other Authorizations	Land / Other Authorizations
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Date of Inspection	Inspector
April 10-11, 2019	Jonathan MESHER
Activities Inspected	
<input checked="" type="checkbox"/> Camp	<input type="checkbox"/> Drilling
<input type="checkbox"/> Roads/Hauling	<input checked="" type="checkbox"/> Mining
	<input type="checkbox"/> Construction
	<input type="checkbox"/> Reclamation
	<input checked="" type="checkbox"/> Fuel Storage
	<input type="checkbox"/> Other:

Conditions:

A - Acceptable

C - Concern

U - Unacceptable

NA – Not Applicable


NI – Not Inspected

Water Use	Condition	Comment	Site Conditions	Condition	Comment	Haz/Mat Management	Condition	Comment
Intake/Screen	NI		Water Management Structures	C	6b	Storage	NI	
Flow Measure. Device	A		Culverts / Bridges	NI		Spills	C	
Source:	A		Drainage	NI		Spill Plan	A	
Water Use:	A		Erosion / Sediment	NI				
Recirculation (y /n)	NA		Mitigation Measures	NI		Administrative		
			Reclamation Activities	NA		Records	NI	
			Materials Storage	C		Reports	NI	
Waste Disposal			Signage	C	4b	Plans	NI	
Waste Water	A					Notifications	C	
Solid Waste	C	4a	Monitoring			Other		
Hazardous Waste	C	2b,2c	Sample Collection / Analysis	NI		Follow-up from previous inspection	NI	
*The number in the comments field will correspond with specific comments provided below.								
Samples taken by Inspector:			Location(s):					
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								

SECTION 1	<input checked="" type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
BACKGROUND			
<p>The Licence 2AM-MEL1631 authorizes Agnico-Eagle Mines Limited (“AEM” or “Licensee”) to use Waters and deposit of Waste in support of a Mining Undertaking classified as per Schedule 1 of the Regulations, at the Meliadine Gold Project (Project) as outlined in the Type “A” Water Licence Application (Application) submitted to the Nunavut Water Board (NWB or Board) on May 15, 2015 and as reviewed throughout the regulatory process. The Licensee may conduct mining, milling and associated activities at the Meliadine Gold Project in the Kivalliq Region of Nunavut, located at the following general geographic coordinates: 63° 2' 24.180" N, 92° 13' 44.288" W.</p>			
Inspectors Statement			
<p>On April 11-10, 2019 Crown-Indigenous Relations and Northern Affair Canada’s (CIRNAC), Water Resource Officers, Jonathan MESHER and Jeremy FRASER completed an inspection of Agnico Eagle Mines Ltd.’s Meliadine Gold Project - water licence no. 2AM-MEL1631. The inspection was completed with the assistance of Jennifer BROWN and Randy SCHWANDT with AEM’s Environment department.</p>			
Inspection			
1. Itivia Fuel Farm			
a) At the time of the inspection the Itivia fuel farm was mostly snow covered, making it difficult to determine if the facility was built to the approved design and identify any potential issues, see Photo #1 for a picture of the Itivia fuel farm.			
b) While at site the inspector questioned the licensee about where they deposit the water that accumulates in the facility. The licensee deposits the water approximately 25m from the Arctic Ocean. Due to the deposits location to the ocean, the licensee was made aware of the prohibitions and the required approvals described in the Arctic Waters Pollution Prevention Act regarding deposits to the Arctic Ocean.			
c) No concerns were noted at the time of the inspection, a freshet inspection will be conducted to the see the facility at peak flow and to identify any potential concerns.			

2. Landfarms
 - a) The licensee is currently storing contaminated soil and snow in two separate landfarms, one landfarm at the exploration site and the second at the main camp.
 - b) The landfarm at the exploration site is potentially over capacity due spills on site; it does not appear that the facility would be able to effectively treat the soil within. When the licensee was questioned about the plan to remediate this soil the licensee informed the inspector that they will be taking contaminated soil from the exploration camp land farm and treating it in the Main Camp landfarm.
 - c) In the Document labeled "Landfarm Management Plan-2015" from the 2AM-MEL1631 licence, page iii states that; "The landfarm is expected to effectively treat up to 5,000 cubic metres of contaminated soil over the construction, operations, and closure of the Project, and 500 cubic metres of snow and ice annually". To better determine if the landfarms are over capacity the Inspector is requesting that the licensee provide the amount of contaminated soil and snow deposited in both landfarms in the last 3 years, the amount remediated in the last 3 years and the treatment capacity of the exploration landfarm. Please provide this information by May 22, 2019.
3. Raw water intake (MEL-11)
 - a) The facility and the sampling location were both clearly labeled.
 - b) The flow meter appeared to be operating as intended and water usage records were made available to the inspector.
 - c) No concerns were noted at the time of the inspection; see Photo #2 for a picture of the intake pipe.
4. Landfill
 - a) During the inspection it was noted that used coffee cups were located in the Landfill, Section 4.4 (Waste Unacceptable for placement in the landfill), page 12, of the document labeled Landfill Waste Management Plan- 2015. The list in section 4.4 includes cardboard, food containers and wrapping as unacceptable food waste.
 - b) No sign identifying the landfill was present at the time of the inspection; the licensee informed the inspector that the sign is being shipped to site. Part B, item 16 states that; "The Licensee shall post signs in the appropriate areas to inform the public of the location of the Water Supply Facilities and the Waste Disposal Facilities. All signs must be in English, Inuktitut and French and shall be located and maintained to the satisfaction of an Inspector." The inspector is requesting that the licensee install temporary signs in all location where signage is required until official signs have arrived to site.
5. Saline pond
 - a) During the inspection the Saline pond was receiving water from the underground mine. No concerns were noted, the snow cover made it difficult to identify any potential issues or concerns. See Photo #4 below for a picture of the saline water being deposited
6. Control ponds.
 - a) At the time of the inspection the control ponds throughout site were frozen and had significant snow cover making it difficult to identify concerns such as; seepages, slope instability, water level and variances from the approved design.
 - b) During the inspection the licensee informed the inspector that Pond #3 was not properly constructed and is currently unable to effectively retain water, the licensee intends to line Pond #3. The licensee is to ensure that all requirements in the licence are adhered to while making changes to water/waste management structures; the Inspector is requesting a time line for this work to be completed.
7. Waste Rock Stockpile Pad
 - a) At the time of the inspection the licensee was constructing the Waste Rock Stockpile Pad; no concerns were noted regarding the construction of this structure. See Photo #3 for a picture of the Waste Rock Stockpile pad.

SECTION 2	<input type="checkbox"/> Comments	<input checked="" type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
The following is a list of items on site that are not in compliance with the terms and conditions of the Licence 2AM-MEL1631.			
1) Food Waste identified in the landfill is out of compliance with the Landfill Waste Management Plan; this management plan lists cardboard, food containers and wrapping as unacceptable food waste.			
2) The licensee does not have the appropriate signage at the landfill which is a requirement in Part B, item 16 which states that; "The Licensee shall post signs in the appropriate areas to inform the public of the location of the Water Supply Facilities and the Waste Disposal Facilities. All signs must be in English, Inuktitut and French and shall be located and maintained to the satisfaction of an Inspector."			

Inspector's Name	
Jonathan MESHER	
Signature	
	
Date	
April 30, 2019	

Water Resource Officer, Nunavut Region
Crown Indigenous Relations and Northern Affairs Canada – CIRNAC
Jonathan.mesher@canada.ca
Office #: 867-975-4296
Fax: 867 979-6445
Cell #: 819-360-6549



Photo #1: Itivia Fuel Storage



Photo #2: Raw Water Intake



Photo #3: Waste Rock Stockpile Pad Construction.



Photo #4: Saline Water Deposit.