



Record of Water Licence Inspection

☒ Original  
☐ Follow-Up Report

Licensee	Licensee Representative
Agnico Eagle Gold Mines Ltd.	Jeff Pratt, Justin MacMillan
Licence No. / Expiry	Representative's Title
2AM-MEL1631/ July 21st, 2024	AEM Environment
Land / Other Authorizations	Other Authorizations/ Expiry
IOL	2BB-MEL1424/ July 14 <sup>th</sup> , 2024
Date of Inspection	Inspector
10/11/16	WRO C. Wilson
Activities Inspected	
<input type="checkbox"/> Camp	<input type="checkbox"/> Drilling
<input checked="" type="checkbox"/> Roads/Hauling	<input type="checkbox"/> Mining
	<input checked="" type="checkbox"/> Construction
	<input type="checkbox"/> Reclamation
	<input type="checkbox"/> Fuel Storage
	<input checked="" type="checkbox"/> Other: Culverts

SECTION 1	<input checked="" type="checkbox"/> Comments (s. 1_)	<input type="checkbox"/> Non-Compliance with Act or Licence (s. __)	<input type="checkbox"/> Action Required (s. __)
<p>On November 10<sup>th</sup>, 2016 Indigenous and Northern Affairs Canada's, Water Resource Officer, Christine WILSON 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 Jeffrey PRATT and Justin MACMILLIAN with Agnico Eagle Gold Mine's (AEM) Environment department.</p> <p><u>Pre Inspection notes:</u></p> <ul style="list-style-type: none"><li>- AEM has requested to have the monitoring stations renamed due to duplication between the 2AM and 2BB licences. The inspector sees the conflict and agrees the names should be modified to avoid confusion.</li><li>- Underground advancement continues; AEM is generally working on ramp development and water containment.</li><li>- The environment department has a new staff member, Jennifer Brown. Ms. Brown will be working directly on water management.</li><li>- 214 people on site.</li></ul> <p><u>Observations</u></p> <ol style="list-style-type: none"><li>1. Road dust mitigation measures have been taken to manage the dust build up on Lake J1 noted in the previous inspection pursuant to PART E item 17.</li><li>2. Construction has started on D-CP1 (photo 1) and D-CP5 (photo 2). The structures are expected to be completed before 2017 freshet.</li><li>3. H17 has completed dewatering. AEM representatives ensured Contact Water Collection Pond 1 (CP-1) will be operable for 2017 freshet once D-CP1 is completed.</li><li>4. Once D-CP1 is completed CP-1 and the ascending lakes will form a closed loop contact water collection system.</li><li>5. A berm was built around the end of culvert 2 -N63° 2' 1.82", W92° 13' 19.75"- in the summer 2016 due to turbid water from construction activities on the shore of H13 Lake. Some materials remain in or on the shore of Lake. The inspector had no concern with the remaining materials as the water from this lake will drain in CP-1.</li><li>6. The saline water pond (photo 3 and photo 4) construction is complete. Saline rich water from the underground is pumped to the surface for storage as needed. The pond is utilized year around.</li><li>7. Seasonal decommissioning on the evaporator system in P1 facility was completed in September. Analysis of this application will be provided in the annual report.</li><li>8. The new fresh water intake into Meliadine Lake is in the process of being installed at the approximate location N63 ° 02' 36.3" W92 ° 13' 11.1".</li><li>9. The new sewage treatment plant (H20 innovation) for the mine has arrived. The construction is expected to start in the next few weeks on this facility.</li><li>10. A landfill is constructed at W63° 1' 49.28", W92° 13' 13.39", under the authority of the 2BB-MEL1424 licence.</li><li>11. Material is currently being stockpiled for the batch plant at a number of locations around site. The locations are within the watershed of CP-1 which will ensure proper collection of contact water.</li><li>12. Contact water was noted pooling within the waste rock storage facility on the west side during the last inspection. A culvert that has been placed near the location has been removed; the area has been reinforced to ensure containment of the water. All water from this location is being pumped back into P1 facility.</li><li>13. The environment department identified some locations of seepage in the September 2016 monthly monitoring report. The inspector has request quarterly monitoring of these locations using the following characterisation: precise location; discharge rates and volumes; respective hazard(s) and consequences and prescribed mitigative measures. The results should be included in the monthly report required by PART I item 10.</li><li>14. The landfarm (photo 5) has undergone some maintenance. The berm walls were re-sloped and a location for water collection established.</li><li>15. Spill no. 2015-499 will be open in perpetuity of the generation station at the portal area as the contamination is under the buildings main structure.</li><li>16. Recent Spill, no. 2016-368 is in the final stages of reclamation. A final report is to be provided to the regulators post haste for review before material can be placed back into the excavation.</li></ol>			
SECTION 2	<input type="checkbox"/> Comments (s. __)	<input checked="" type="checkbox"/> Non-Compliance with Act or Licence (s.2)	<input type="checkbox"/> Action Required (s. __)
<p>— No instances of non-compliance noted.</p>			
SECTION 3	<input type="checkbox"/> Comments (s. __)	<input type="checkbox"/> Non-Compliance with Act or Licence, (s. __)	<input checked="" type="checkbox"/> Action Required (s.3)



- A revised Freshet Action Plan will be provided to the Nunavut Water Board 60 days prior to Freshet.
- A revised Landfarm Management Plan will be submitted with the 2016 Annual report to the Nunavut Water Board.
- AEM will modify the monthly monitor report to:
  - include, all seepage characterization as explained above in comment 12;
  - remove, sampling station at the recycling facility and the sampling station within the P1 containment area.

Licensee or Representative	Inspector's Name
	WRO C Wilson
Signature	Signature
	Original signed on file
Date	Date
	November 10th, 2016

Office Use Only:	Follow-up report to be issued by Inspector	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
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cc.

Erik Allain, Manager Field Operations, AANDC  
Jeff Pratt, Environmental Coordinator, AEML

Attached:

Photo Log, November 10th, 2016





PHOTO LOG

Date:	Authorization Number:	Camera/Model:	Inspector
October 16th, 2016	2AM-MEL1631	Sony DSC-HX50V Cyber shot	WRO Wilson
Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)		
Photo 1	N 63° 01' 38.15", W 92° 13' 20."		



Description:  
Looking south: Keying in D-CP1

Locations name:	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 2	N63° 1' 40.29", W 92° 12' 27.73"



Description  
Facing East: D-CP5 construction





Locations name:

Photo 3

Lat/Long (DD.MM.SS.SS, NAD83)

N63° 1' 42.53", W 92° 12' 23.10"



Description

Looking West: Saline Water Pond

Locations name:

Photo 4

Lat/Long (DD.MM.SS.SS, NAD83)

N63° 1' 42.53", W 92° 12' 23.10"



Description

Looking West: Saline Water Pond



Locations name:		Lat/Long (DD.MM.SS.SS, NAD83)
Photo 5		N63° 1' 26.29", W 92° 11' 10.57"
<div></div>		
Description		
Looking North: Land farm, contaminated soil.		