

WATER LICENCE INSPECTION FORM

☒ Original

☐ Follow-Up Report

Licensee		Licensee Representative	
Agnico Eagle Gold Mines Limited		Jeff Pratt, Environmental Coordinator	
Licence No. / Expiry		Representative Title	
2AM-MEA1525/ July 22 <sup>nd</sup> , 2025		Kevin Buck, Environment Superintendent	
Land Authorization No.		Land Authorization Expiry	
66A/8-71-2, AWPAP		66A/8-72-2 Quarrying lease	
Date of Inspection		Inspector	
October 21st, 2015		WRO Wilson	
Activities Inspected			
<input type="checkbox"/> Camp	<input checked="" type="checkbox"/> Water Management	<input checked="" type="checkbox"/> Mining	<input checked="" type="checkbox"/> Construction
<input type="checkbox"/> Roads/Hauling	<input checked="" type="checkbox"/> Other: Water Discharge	<input checked="" type="checkbox"/> Other: Spills	<input checked="" type="checkbox"/> Reclamation
<input type="checkbox"/> Fuel Storage			

Conditions:	A - Acceptable	C - Concern	U - Unacceptable	NA – Not Applicable	NI – Not Inspected			
Water Use	Condi tion	Comment	Site Conditions	Condition	Comment	Haz/Mat Management	Condition	Comment
Intake/Screen	A	--	Water Management Structures	A	4	Spill Reports	A	--
Flow Measure. Device	A	1	Culverts / Bridges	A	3	Spills	A	--
Source: 3 <sup>rd</sup> Portage	A	1	Drainage	C	4	Spill Plan	NI	--
Recirculation ( y /n)	Y	--	Mitigation Measures	A	3	Administrative		
Waste Disposal			Signage	NI	--	Plans	A	8
Waste Water Management	A	2,3,5	Monitoring			Other		
Waste Water Management	C	4	Sample Collection / Analysis	NI	--	Progressive Reclamation	A	8
*The number in the comments field will correspond with specific comments provided below.								
Samples taken by Inspector:			Location(s): No samples were collected during the inspection					
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No								

SECTION 1

☒ Comments (s.\_1\_) ☐ Non-Compliance with Act or Licence (s.\_\_\_) ☐ Action Required (s.\_\_\_)

Agnico Eagle Mines Limited (AEM)’s, Meadowbank Gold Mine was issued an amendment and renewal of water licence 2AM-MEA1525 on July 23<sup>rd</sup>, 2015 for a term of ten (10) years to expiry on July 22<sup>nd</sup>, 2025.

On October 21<sup>st</sup> a regularly scheduled compliance inspection was completed by Aboriginal Affairs and Northern Development Canada’s Water Resource Officer (WRO), Christine Wilson with the assistance of AEM’s, Environmental Coordinator, Jeff Pratt.

The following report was produced with the notes from the October 21<sup>st</sup>, 2015.

Observations

Water Use

1. Approximately 681 000 m<sup>3</sup> of fresh water has been used year to date.

Waste Water Management

2. Snow is managed around site with snow dumping location.

a. AEM advised the inspector that the program not only controls the transfer of contaminants but limit the amount of water accumulation in areas of concern, as identified in the Freshet Action Plan (FAP).

b. The inspector suggests the information provided form part of the FAP.

3. A number of improvements were made to Vault Road culvert after elevated TSS was observed in June 2015.

a. AEM advised the inspector the road shoring and surface was replaced with a composite material. These actions are expected to minimize sedimentation during periods of flow.

4. A small contact water collection pond (approximate location N65° 2’ 47.464”, W96° 3’ 40.342”) has been constructed at the North East side of the NPAG waste rock extension pile (WEP) of the Waste Rock Storage Facility (WRSF).

a. The inspector request more information about the WEP collection pond including the construction, samples of the waste water, quantity of waste water recovered and respective hazards ( see photo 1, 2 and 3).

b. The inspector would like clarification on the contact water collection system around the WRSF and tailing storage facility (TSF). The non-contact water collection system is clear and established while the contact water pond/sumps or natural depression on the north side of the TSF is not, presumably due to changes during reclamation.

5. From June to November 2015 tailings deposition has continued in the North cell of the TSF. The reclaim water barge is located in the South cell; water is transferred from the North to the South cell to be reclaimed for use in the mill.

a. AEM indicated water transfer contributes to the seepage management strategies in the North cell. This strategy is detailed in the Water Management Plan.

b. Reduction of water in the North cell is ideal during capping of the TSF.

Monitoring

6. Locations with water accumulation have been identified as potential seepage around the TSF.

a. The inspector request seepage from the TSF to be observed in accordance with part I item 13 and included in the monthly monitoring report.

b. The inspector requests all seepage areas of concern to be identified and included in the Water Management Plan with

potential mitigation measures.

Abandonment and Reclamation

7. A portion of the North Cell of the tailing facility has been covered with capping. AEM plans to continue with capping activities in December 2015.

a. The Mine Waste Rock and Tailings Management Plan, V1 (Page 1) indicates that the North Cell will no longer be used after November 2015.

b. The Mine Waste Rock and Tailings Management Plan, V1 (Drawing 3.4) indicates the completion of phase 1 of the North Cell TSF capping. The inspector would like to confirm the elevation of the North cell and activities occurring in the North Cell 2015/2016.
8. Goose pit re-flooding (photo 4).

a. As part of the FAP snow management program, snow will be dumped into Goose pit. This will reduce water accumulation in areas of concern and contribute to the natural re-flooding reducing the total fresh usage.

SECTION 2

☐ Comments (s.\_\_)

☒ Non-Compliance with Act or Licence (s.2)

☐ Action Required (s.\_\_)

No non-compliance with the Act of the Licence.

SECTION 3

☐ Comments (s.\_\_)

☐ Non-Compliance with Act or Licence, (s.\_\_)

☒ Action Required (s.3)

- AEM shall provide to the inspector and the Nunavut Water Board with the information requested regarding the WEP before February 2016.

— The inspector requests a summary of activities to occur in the North Cell 2015/2016.

— AEM shall provide the seepage monitoring pursuant to Part I item 6 and 13 with the monthly monitoring report. These observations will be reported as prescribed by the part I item 13.

— AEM shall revise the Water Management Plan to include all areas of seepage and proposed mitigation measures with the 2015 annual report. Note: seepage to be defined on Page 32 of the current Licence.

Correction

During the inspection, a construction summary pursuant to Part D item 14 was requested by the inspector for the WEP location. Upon further review it was clear that the condition was not intended for this small structure as the requirements of Schedule D item 1 are extremely rigorous. The request has been modified; see comment no. four (4). AEM’s patience is appreciated.

Licensee or Representative	Inspector’s Name
	C. Wilson
Signature	Signature
	Original on file
Date	Date
	November 10 <sup>th</sup> , 2015

Office Use Only: Follow-up report to be issued by Inspector

☐ Yes ☒ No

Attached: 2AM-MEA1525, Photo Log-

cc. Erik Allain, Manager Field Operations, AANDC

Jeff Pratt, Environment Coordinator, AEM





PHOTO LOG

Date:	Authorization Number:	Camera/Model:	Inspector
October 21 <sup>st</sup> , 2015	2AM-MEA1525	Sony DSC-HX50V Cyber shot	WRO Wilson
Photo No.		Lat/Long (DD.MM.SS.SS, NAD83)	
Photo 1		N65° 2' 48.02", W96° 3' 37.87"	



**Description:**  
July 24<sup>th</sup>, 2015 Water accumulation at the NPAG Waste Rock Extention also referred to as WEP

Locations name:	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 2	N65° 2' 48.02", W96° 3' 37.87"



**Description:**  
July 24<sup>th</sup>, 2015 Water accumulation at the NPAG Waste Rock Extention





Photo No.  
Photo 3

Lat/Long (DD.MM.SS.SS, NAD83)  
N65° 2' 47.464", W96° 3' 40.342"



Description:  
October 21<sup>st</sup>, 2015 Contact water retention structure

Photo No.  
Photo 4

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



Description:  
Natural reflooding of Goose Pit