

Water Licence Inspection Report

☒Original

☐Follow-Up Report

Authorization	Representative
Agnico Eagle Mines Ltd.	John Beachler
Authorization No. / Expiry	Representative's Title
2AM-MEL1631	Environment General Supervisor
Inspection Date	Inspector
May 22, 2024	RMO Kyle Amsel
Other Authorization/s	
KVCA07Q08, KVCA11Q01, KVPL11D01, Project Certificate No.:006	
Activities Inspected	
<input checked="" type="checkbox"/> Camp, Commercial <input type="checkbox"/> Drilling <input checked="" type="checkbox"/> Mining <input checked="" type="checkbox"/> Construction <input type="checkbox"/> Reclamation <input checked="" type="checkbox"/> Fuel Storage <input checked="" type="checkbox"/> Roads/Hauling <input type="checkbox"/> Winter Hauling <input type="checkbox"/> Camp, Private <input type="checkbox"/> Other <a href="#">Click or tap here to enter text.</a>	

Section 1 Comments

On May 22, 2024 Resource Management Officer Kyle Amsel (Inspector) for Crown-Indigenous Relations and Northern Affairs Canada conducted an Inspection of Water Licence 2AM-MEL1631 (Licence) issued to Agnico Eagle Mines Ltd. (Proponent) for use of water and deposit of waste in support of a mining undertaking (Undertaking).

Accompanying the Inspector was John Beachler Environment General Supervisor (Representative).

Preliminary Information

The purpose of the Inspection was freshet water management. At the time of inspection the site was 95% snow free and the land was 40% snow free. At the time of inspection little water was being managed by the infrastructure on site.

Observations

1) Water usages at the time of the Inspection was 194,150m<sup>3</sup>

2) Bridges and culverts

a) Bridges and culverts along the All-Weather Access Road (AWAR) had snow removed in preparation of melt.

b) No culverts were observed which were damaged that cause concern for the inspector.

3) AWAR

a) The AWAR has the partially constructed Saline Water Pipeline (pipeline) adjacent to it. The pipeline is mostly covered along the road however some stretches are uncovered as permitted. The Inspector reviewed the engineered drawings of the pipeline (65-180-230-246) and noted that where the pipeline is buried the road will be built up higher than the covered pipeline which will prevent surface run-off from building up against the covered pipeline. The Licensee is reminded to follow the engineered drawings which were provided to the Nunavut Water Board as required under Part D Item 1 of the Licence.

4) Tailings Storage Facility (TSF)

a) The TSF was noted to have a dry precipitate on the surface which appears white/yellow. The Representative explained that this naturally occurs from time to time due to the drying action of the surface of the TSF (Photo 1 & 2)

b) At the time of inspection no tailings were being deposited as the site was in level 3 Caribou Closure as mandated by Project Certificate related conditions.

c) On appearance the TSF had no concerns to the Inspector

5) Containment Pond 4 (CP4) and Containment Pond Channel 4 (CP 4 Channel)

a) On May 21, 2024 spill 2024-179 was reported for an overland spill at the CP4 Channel. This spill was caused from an overflow of the CP4 Channel prior to reaching CP4. CP4 Channel is used to collect surface runoff from the Waste Rock Storage Facility 1 (WRSF1), which meets the definition for contact water in Schedule A of the licence. Part F Item 2 of the Licence states “The Licensee shall direct all Contact Water from the Collection Ponds to CP1, or as otherwise approved by the Board in writing.” The failure of this structure to maintain contact water is non-compliant with the Licence.

b) On inspection in the area and in discussion with the Representative it is noted that the area where the spill occurred has subsided and there is potential that failure to remove snow from the channel may have been a contributing factor. Representative stated however that due to geotechnical considerations the channels are not normally cleared of snow during freshet. (Photo 3)

c) The closest lake to this incident is Lake B7.

6) Remaining Containment Ponds and Containment Pond Channels

a) Containment Pond 3 and Containment Pond Channel 3 appear to be functioning as intended after the rehabilitation of the structures

b) New signage is installed at Containment Pond 5 as a visual reference to de-watering crews (Photo 4)

7) Open Burn Pad (Photo 5)

a) The Open burn pad is used for burning of clean wood and cardboard as well as Cyanide bags used in the milling process which is customary under the International Cyanide Code. During the inspection the Inspector noted pieces of plastic wrap from the pallets were in the burn pile. This is non-compliant with Part F Item 16 of the Licence which states “The Licensee shall not open burn plastics, wood treated with preservatives, electric wire, Styrofoam, asbestos or painted wood to prevent the deposition of waste materials of incomplete combustion and/or leachate from contaminated ash residual, from impacting any surrounding Waters, unless otherwise approved by the Board in writing.”

8) Spills

a) In 2023 a total of 33 spills were reported. Of those spills 63% was represented by sewage spills making up a total of 21 spills.

b) In 2024 as of the writing of the report 21 spills have been reported. Of those 66% was represented by sewage spills

making up a total of 14 spills.

c) The Inspector is concerned with the high number of sewage spills occurring in relation to this authorization. Part F Item 1 of the Licence states *"The Licensee shall direct all Sewage and Greywater to the Sewage Treatment Plant for treatment prior to releasing to CP1, or as otherwise approved by the Board in writing."*

Section 2 Non-Compliance with Licence

-Part F Item 1 Failure to direct all sewage to the sewage treatment plant

-Part F Item 2 Failure to direct all contact water to CP1

-Part F Item 16 Failure to not open burn plastic

Section 3 Action Required

The Licensee shall:

-Not open burn any plastics.

-Take necessary steps to rectify the situation which led to the unintentional release of contact water at the CP4 Channel no later than October 31, 2024. Upon completion of the works a follow up to the works conducted will be submitted to the Inspector.

-Provide a plan to the Inspector no later than October 31, 2024 addressing the high number of sewage spills. The plan will include methods and means to reduce the number of spills.

Section 4 Other

Licensee or Representative	Inspector's Name
John Beachler Signed only to demonstrate reception	RMO Kyle Amsel
Signature	Signature
Date	Date
2024/07/15	2024/07/11

Office Use Only: Follow-up report to be issued by Inspector ☐ Yes ☐ No

PHOTO LOG

Date:	Authorization Number:	Camera/Model:	Inspector
Wednesday, May 22, 2024	2AM-MEL1631	DSC-HX50V	RMO Kyle Amsel
Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)		
Photo 1	N63° 2' 11.0" W92° 14' 4.7"		



Description:

Tailings Storage Facility. Note white layer on top which occurs from drying of the tailings.

Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
-----------	-------------------------------



Photo 2	N63° 2' 11.0" W92° 14' 4.7"
	
<b>Description:</b> White layer on right as seen in Photo 1. Difference here noted. No tailings being deposited during inspection due to level 3 Caribou closure.	

Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 3	N63° 1' 42.3" W92° 13' 33.6"
	
<b>Description:</b> Area where un-controlled release of water occurred from CP4 Channel. Area where spill occurred in bend on left (Southwest) side of the Channel.	

Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 4	N63° 1' 30.2" W92° 12' 14.3"





**Description:**  
New signage in Containment Pond 5 to assist dewatering crews.

Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 5	N63° 1' 39.5" W92° 11' 50.0"



**Description:**  
Open burn area. Some plastic was identified in the area which is not permitted to be burned.