

WATER LICENCE INSPECTION FORM

☒ Original

☐ Follow-Up Report

Licensee	Licensee Representative
Agnico Eagle Mines Limited	Matt Gillman
Licence No. / Expiry	Representative's Title
2AM-MEL1631/ March 31 st , 2031	Environment Superintendent
Date of Inspection	Inspector
July 12 th , 13 th and 19 th	WRO Wilson
Activities Inspected	
<div><div><input type="checkbox"/> Camp</div><div><input type="checkbox"/> Drilling</div><div><input checked="" type="checkbox"/> Mining</div><div><input type="checkbox"/> Construction</div><div><input type="checkbox"/> Reclamation</div><div><input type="checkbox"/> Fuel Storage</div></div> <div><div><input type="checkbox"/> Roads/Hauling</div><div><input type="checkbox"/> Other: Spill</div><div><input type="checkbox"/> Other:</div></div>	

SECTION 1	<input checked="" type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input type="checkbox"/> Action Required
<p>A regularly scheduled compliance inspection of Agnico Eagle Mines Ltd.'s, Meliadine Gold Project, was completed by Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC). The inspection took place over three separate days due to the closure of All Weather Access Road (AWAR) during the caribou migration.</p> <p>The inspection was conducted to ensure compliance with applicable terms and conditions of water licence number 2AM-MEL1631. The following report was produced with the observations noted by the Inspector at the Meliadine Mine site and the Itivia Marshalling Facility on July 12th-13th and July 19th as well as information provided by Agnico Eagle Mine Ltd. (AEM) Environment Superintendent, Matt Gillman; Environment General Supervisor, Kyle Conway and Environmental Coordinators, Randy Schwandt and Brett Fairbairn. AEM representatives will herein be referred to in the report as 'Environment'.</p> <p>The Inspector was accompanied by representatives from Department of Fisheries and Ocean, Fish and Fish Habitat Protection Program's Senior Biologist, Jose Audet-Lecouffe; Biologist, Paul Harper and Fisheries Officer, Kristin Daoust.</p> <p>Itivia Marshalling Facility</p> <p>1. Four spill files 2018-231, 2018-251, 2018-259, 2019-480 and 21-433 were inspected at Itivia related to surface run off into the ocean from the site.</p> <ul style="list-style-type: none">- A total of fours check dams have been installed on the upslope side of the culverts at the Eastern Itivia access road from Rankin inlet (photo 1). These culverts are located at N62° 48' 1.29", W92° 5' 35.23" with sampling station MEL-SR1 just down stream from this location in an informal settling pond.- Straw and woodchip log are deployed at this location annual.- A more permanent solution to surface drainage should be evaluated at the Itivia location. The current structures and culverts need maintenance (photo 2). A number of places show signs of erosion and sedimentation into the marine environment (photo 3). <p>Tailing Storage Facility</p> <p>2. The Tailing Storage Facility was inspected, this includes the CP-3, CP-3 Thermal Berm, Diversion Berm 2 and Channel 3.</p> <ul style="list-style-type: none">- Environment indicated all structure were constructed in 2019 and complete.- Thermistors are installed on CP-3 Thermal Berm.- The access road to CP-3 has a unknown fine grey material which extends from the beginning of the road at N63° 2' 0.01", W92° 13' 48.03" (photo 4) to the bottom of the hill at N63° 1' 56.93", W92° 14' 6.34" (photo 5). Environment is in the process of investigating the source.- Channel 3 shows signs of ponding water, cracking and slouching (photo 6).- Fine grey materials fills the bottom of the Channel and extends out from the Channel to the access road (photo 7).- Environment indicated they would confirm a maintence schedule for the Channel. <p>Spill Closures</p> <p>3. The following 20 spill files were successfully closed during the course of the inspection either through information provided by Environment or observations made in the field; 2015-499, 2016-368, 2017-034, 2017-169, 2017-168, 2017-246, 2017-276, 2017-269, 2017-359, 2017-358, 2018-027, 2018-213, 2018-223, 2018-289, 2018-287, 2018-308, 2018-313, 2018-344, 2022-097 and 2022-221.</p> <p>4. Environment has made great improvements to the spill reporting format to ensure critical information like accurate location data and contact information is included in every report.</p> <p>MEL-14 Monitoring Station</p> <p>5. Samples were collected at MEL-14 which is located inside the Effluent Water Treatment Plant.</p> <ul style="list-style-type: none">- The parameters collected are found in PART F, item 3.- Small aquatic life is noted in the tank as well as what appeared to be a green like algae (photo 8).- The field meters read 6.88pH, 17.6°C, 2022µs/cm, and 2.03TRB NTU.- The monitoring station is equipped with signage as required by PART I, item 6.			
SECTION 2-	<input type="checkbox"/> Comments	<input type="checkbox"/> Non-Compliance with Act or Licence	<input checked="" type="checkbox"/> Action Required
<p>Actions Required</p> <p>1. AEM will provide a brief summary of the plans to address the TSS issues at Itivia as discussed during the inspection. The summary will include a tentative timeline for actionable items. This summary will be provided to the Inspector before September 5th, 2022</p> <p>2. AEM will provide the results of the investigation into the fine grey material along the CP-3 access road to the Inspector before September 5th, 2022.</p> <p>3. AEM will provide bi-weekly inspection records of the TSF and associated structures as discussed in PART F, item 21(d) before September 5th, 2022</p>			

Due to the logistical restrains with the caribou migration some of the topics discussed in the inspection are not included in this report. A follow up report and inspection will be completed that will address the other components of the inspection including the activities inspected under the 2BB-MEL1424.

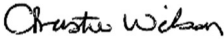
Inspector's Name	Representatives Name
Christine Wilson	Matt Gillman
Signature	Signature
	
Date	Date
July 22nd, 2022	

PHOTO LOG

Date:	Authorization Number:	Camera/Model:	Inspector
July 12-13 and 19, 2022	2AM-MEL1631	Sony DSC-HX50V	C. Wilson
Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)		
Photo 1	N62° 48' 2.26", W92° 5' 36.55"		



Description:

Check dams to address sediment issues identified at sampling station MEL-SR1.



Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 2	N62° 48' 0.29", W92° 5' 35.23"



Description: MEL-SR1 Area



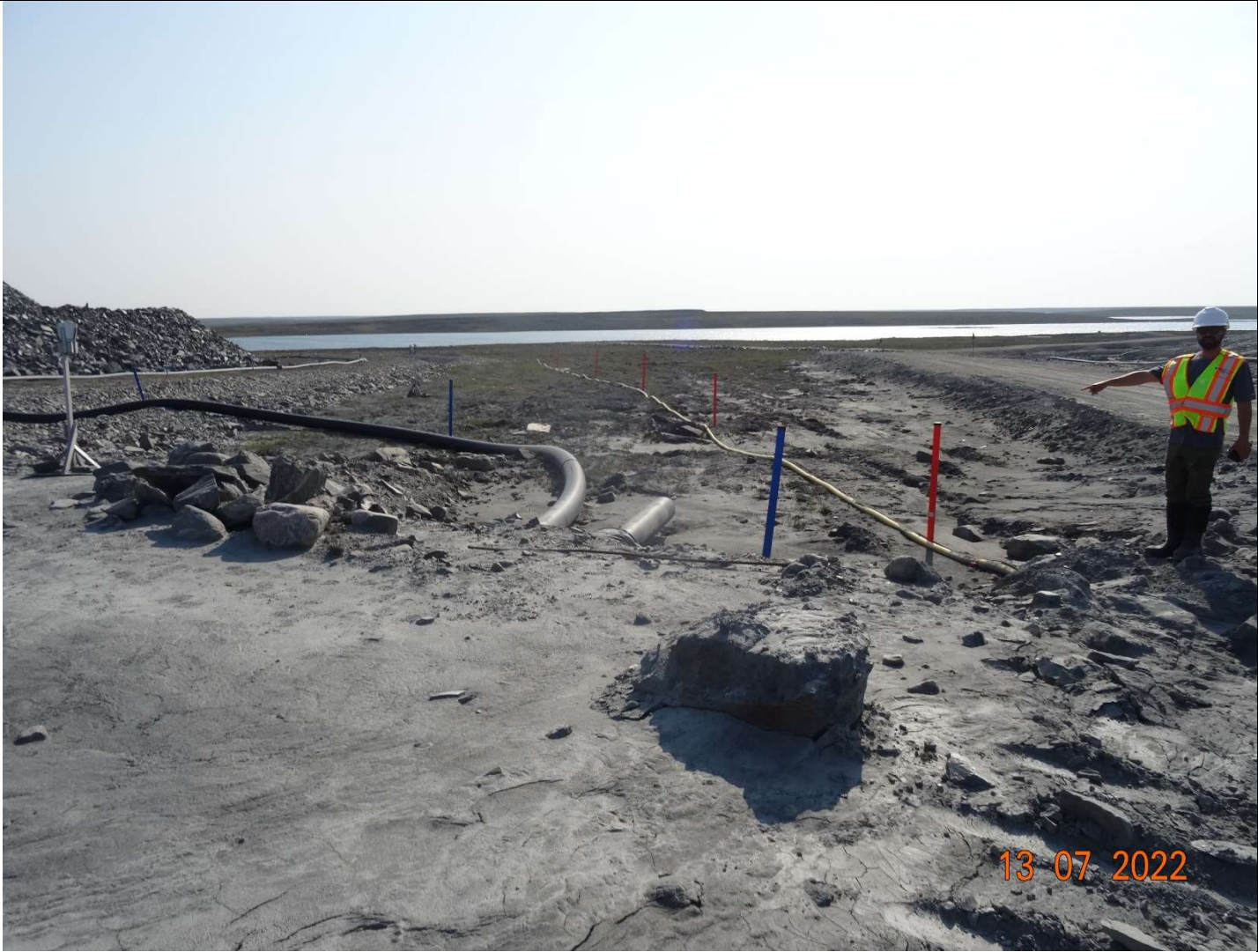
Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 3	N62° 47' 58.50", W92° 5' 33.31"



Description:
Erosion and sedimentation East of MEL-SR1



Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 4	N63° 2' 0.01", W92° 13' 48.03"



Description:
Unknow material outside the containment of the TSF along the Cp-3 Access Road.



Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 5	N63° 1' 56.93", W92° 14' 6.34"



Description:
Unknown grey fine material outside outside of TSF containment along the CP-3 Access Road.



Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 6	N63° 1' 59.69", W92° 14' 17.24"



Description:
Channel 3, slouching, cracking and ponding water.

Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 7	N63° 2' 10.9", W92° 13' 37.39"
	
Description: Channel 3, fine grey material extending to CP-3 access road.	



Photo No.	Lat/Long (DD.MM.SS.SS, NAD83)
Photo 8	Effluent Water Treatment Plant



Description:
Small aquatic life and green algae like material in EWTP.