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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File: 2AM-MEL1631

January 30, 2025

Anne-Laurence Paquet
Compliance Coordinator
Agnico Eagle Mines Limited – Meliadine Mine
Suite 879 – Rankin Inlet
Nunavut, Canada X0C 0G0

Email: anne-laurence.paquet@agnicoeagle.com

**RE: Licence No: 2AM-MEL1631 Meliadine Gold Project; Agnico Eagle Mines Limited;
Modification to Table 2, addition of Monitoring Program Station MEL-32**

Dear Ms. Paquet:

On January 10, 2025, the Nunavut Water Board (NWB or Board) received a modification request from Agnico Eagle Mines Limited (Agnico Eagle or Licensee) to add Monitoring Program Station MEL-32 in Schedule I, Table 2 of the type A Water Licence 2AM-MEL1631 (Licence).

Agnico Eagle states that Collection Pond 9 (CP9) is required to collect the surface contact water from Waste Rock Storage Facility 6 (WRSF6) and Pump mining area. It is located within the footprint of Pump 01 Open Pit (Pump01 Pit). The collection pond CP9/Pump01 Pit is currently not included as a monitoring station in Table 2 of Schedule I of the Water Licence. Agnico Eagle “believes it should be monitored as the other Collection Ponds on site”, and therefore proposes it to be added to Table 2 of Schedule I.

According to Part B, Item 20 of the Licence, the Board may, at its discretion, and upon consulting and providing written notice to the Licensee and interested parties, revise a Schedule to provide greater clarity and as an aid to interpretation for the Licensee. Unless the Board directs otherwise, such revision may not necessarily be considered as an “Amendment” to the Licence.

On January 10, 2025, the NWB distributed the modification request for a public review. Interested parties were invited to provide their comments and recommendations by the deadline of January 24, 2025. Submissions were received from Crown-Indigenous Relations and Northern Affairs Canada (CIRNA), Environment and Climate Change Canada (ECCC) and Fisheries and Oceans Canada (DFO) by January 24, 2025. All parties, in their submissions, stated that they had no comments or recommendations at this time.

Copies of all documents received in support of the proposed modification can be accessed through the NWB’s Public Registry and FTP site using the following Link:

<https://public.nwb-oen.ca/registry/2%20MINING%20MILLING/2A/2AM%20-%20Mining/2AM-MEL1631%20Agnico/3%20TECH/G%20MODIFICATIONS/>

The Board acknowledges that there were no public concerns with Agnico Eagle's original request, and has added Monitoring Program Station MEL-32 to Schedule I, Table 2 of the Licence.

The NWB would also like to highlight that any Licence terms and conditions referring to the Monitoring Program Stations should be read with taking into account the enclosed updated Table 2.

Should you have any questions regarding the above, please contact the NWB Licensing Department by email to licensing@nwb-oen.ca or by phone at (867) 360-6338.

Sincerely,

A handwritten signature in blue ink, appearing to read 'MAS', with a long horizontal stroke underneath.

Mohammad Ali Shaikh
Technical Advisor,
Nunavut Water Board

as/rqd

Cc: Distribution List – Meliadine

MODIFIED TABLE 2 – MONITORING PROGRAM

Station	Description	Phase	Monitoring Parameters	Frequency
MEL-D-1 to TBD	Dewatering: Water transferred from lakes to Meliadine Lake during dewatering of these lakes	Construction	As per Part D, Item 12	Prior to discharge and Weekly during discharge
			Volume (m ³)	Daily during periods of discharge
MEL-SR-1 to TBD	Surface Runoff: runoff downstream of Construction areas at Meliadine Site and Itivia Site, Seeps in contact with the roads, earthworks and any Runoff and/or discharge from borrow pits and quarries	Construction and Operations	As per Part D, Item 18	Prior to Construction and Weekly during Construction
			Group 1	Monthly during open water or when water is present upon completion
MEL-11	Fresh Water Intake from Meliadine Lake	Construction, Operation, and Closure	Full Suite	Monthly during periods of intake
			Volume (m ³)	Daily during periods of intake
MEL-12	<i>Contact Water Treatment Plant (pre- treatment): coming from CP1, off the pipe and not in the pond</i>	<i>Construction (prior to release), Operations, and Closure</i>	<i>Group 1</i>	<i>Monthly during periods of discharge</i>
MEL-13 ^(a) (and AEMP Stations)	Mixing zone in Meliadine Lake and <i>MDMER</i> exposure stations for final discharge point within mixing zone	Construction (prior to release), Operations, and Closure	Full Suite, Group 3 (<i>MDMER</i>)	Monthly during periods of discharge
MEL-14	Contact Water Treatment Plant from CP1 (post-treatment): end of pipe in the plant before offsite release	Construction (upon effluent release), Operations, and Closure	Full Suite, Group 3	Prior to discharge and Weekly during discharge
			Volume (m ³)	Daily during periods of discharge
			Acute Lethality	Once prior to discharge and Monthly thereafter

Station	Description	Phase	Monitoring Parameters	Frequency
<i>MEL-15</i>	<i>Local Lake E-3</i>	<i>Operations, and Closure</i>	<i>Group 2</i>	<i>Biannually during open-water</i>
<i>MEL-16</i>	<i>Local Lake G2</i>	<i>Construction, Operations, and Closure</i>	<i>Group 2</i>	<i>Biannually during open-water</i>
<i>MEL-17</i>	<i>Local Pond H1</i>	<i>Construction, Operations, and Closure</i>	<i>Group 2</i>	<i>Biannually during open-water</i>
<i>MEL-18</i>	<i>Local Lake B5</i>	<i>Construction, Operations, and Closure</i>	<i>Group 2</i>	<i>Biannually during open-water</i>
<i>MEL-19</i>	<i>CP2, Collection of drainage from WRSF3</i>	<i>Construction, Operations, and Closure</i>	<i>Group 1</i>	<i>Monthly during open-water or when Water is present</i>
<i>MEL-20</i>	<i>CP3, Collection of drainage from dry stacked tailings</i>	<i>Operations, and Closure</i>	<i>Group 1</i>	<i>Monthly during open-water or when Water is present</i>
<i>MEL-21</i>	<i>CP4, Collection of drainage from WRSF1</i>	<i>Operations, and Closure</i>	<i>Group 1</i>	<i>Monthly during open-water or when Water is present</i>
<i>MEL-22</i>	<i>CP5, Collection of drainage from WRSF1 or as specified in the Water Management Plan</i>	<i>Construction, Operations, and Closure</i>	<i>Group 1</i>	<i>Monthly during open-water or when Water is present</i>
<i>MEL-23</i>	<i>CP6, Collection of drainage from WRSF3</i>	<i>Construction, Operations, and Closure</i>	<i>Group 1</i>	<i>Monthly during open-water or when Water is present</i>
<i>MEL-24</i>	<i>Seepage from the Landfill between the Landfill and Pond H13 or water pumped from the Landfill and directed to Pond H13</i>	<i>Construction, Operations, and Closure</i>	<i>Group 1</i>	<i>Monthly during open-water or when Water is present</i>
MEL-25	Secondary containment area at the Itivia Site Fuel Storage and Containment Facility	Construction, Operation, Closure	Group 4, Volume (m ³)	Prior to discharge or transfer of Effluent

Station	Description	Phase	Monitoring Parameters	Frequency
MEL-26	Itivia Harbour end of pipe (before offsite release) for treated saline effluent	Operation, Closure	Group 3	As per MDMER requirements (not reported under Type A Water Licence as discharge is to marine environment)
MEL-27	<i>SP6, Collects Saline Water from underground and other saline ponds and sumps as well as runoff from the TSF</i>	<i>Operations, and Closure</i>	<i>Group 1</i>	<i>Monthly during open water or when Water is present</i>
MEL-28	<i>CP7, Collects water from WRSF7 and prevents contact water from flowing into F Zone open pits.</i>	<i>Operations, and Closure</i>	<i>Group 1</i>	<i>Monthly during open water or when Water is present</i>
MEL-29	<i>CP8, Collects surface contact water from open pits and mine operations</i>	<i>Operations, and Closure</i>	<i>Group 1</i>	<i>Monthly during open water or when Water is present</i>
MEL-30	<i>CPD1, Collects contact water from WRSF9 and DIS01 open pit.</i>	<i>Operations, and Closure</i>	<i>Group 1</i>	<i>Monthly during open water or when Water is present</i>
MEL-31	<i>CPD2, Collects contact water from Discovery laydown.</i>	<i>Operations, and Closure</i>	<i>Group 1</i>	<i>Monthly during open water or when Water is present</i>
MEL-32	<i>CP9/Pump01 Pit, Collects contact water from WRSF6 and Pump area.</i>	<i>Operations, and Closure</i>	<i>Group 1</i>	<i>Monthly during open water or when Water is present</i>

Monitoring Legend: **Green** - Regulated; **Blue** - General Aquatic; **Red** - Verification

Regulated Monitoring occurs at Monitoring Program Stations in licences or regulations. It includes discharge limits that must be achieved to maintain compliance with water licence or regulation (i.e., *Metal and Diamond Mining Effluent Regulations*). Enforcement action may be taken if discharge limits are exceeded.

General Aquatic Monitoring is subject to compliance assessment to confirm sampling is carried out using established protocols, including quality assurance/quality control provisions, and addresses identified issues. General monitoring is subject to change as directed by an Inspector, or by the Licensee, subject to approval by the NWB.

Station	Description	Phase	Monitoring Parameters	Frequency
<u>Verification Monitoring</u> Program to be carried out for operational and management purposes by Licensee. Monitoring parameters may vary between locations. Monitoring parameters and locations are internal for Licensee.				

Notes: as per the *Metal and Diamond Mining Effluent Regulations (MDMER)*, samples for Effluent characterization and Receiving Environment must be collected quarterly or at least one month apart while Effluent is being deposited.

^(a) Alternative monitoring approaches, such as installation of the remote monitoring stations, will be considered to enable the Licensee to continue to collect the necessary data, if limitations (i.e. ice cover on Meliadine Lake) arise while the proposed Monitoring Program is being carried out.

CP – Collection Pond; SP – Saline Pond; TSF – Tailings Storage Facility; WRSF – Waste Rock Storage Facilities.