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NUNAVUT WATER BOARD  
NUNAVUT IMALIRIYIN KATIMAYINGI  
OFFICE DES EAUX DU NUNAVUT

**File: 2AM-MEL1631**

August 11, 2023

Sara Savoie  
Environmental General Supervisor  
Agnico Eagle Mines Limited  
11600, rue Louis-Bisson – Mirabel  
Quebec, Canada J7N 1G9

Email: [sara.savoie@agnicoeagle.com](mailto:sara.savoie@agnicoeagle.com)

**RE: Licence No: 2AM-MEL1631 Type “A”, Meliadine Mine Project; Agnico Eagle Mines Limited; Modification to the description of Monitoring Program Station MEL-24 (Updated description).**

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Dear Ms. Savoie:

This letter is in response to the discussion with Agnico Eagle Mines Ltd. (Agnico Eagle or Licensee) on August 11, 2023, to add a statement to the updated description of MEL-24.

The current description for Monitoring Program Station MEL-24 is, *“Seepage from the Landfill between the Landfill and Pond H13”*

During the phone communication, Agnico Eagle provided more rationale and clarification regarding their original request to add the following statement, "water pumped from the Landfill and directed to Pond H13", to the existing description for Monitoring Program Station MEL-24, to read, *“Seepage from the Landfill between the Landfill and Pond H13 or water pumped from the Landfill and directed to Pond H13”*.

Agnico Eagle did not propose within this request any changes to the Phase, Monitoring Parameters, or Frequency of the stations in Table 2.

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:

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

The Board acknowledges that there weren't any public concerns with Agnico Eagle's original request, and has updated the description of Monitoring Program Station to include the statement as discussed.

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](mailto: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.

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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:<br>Water transferred from lakes to Meliadine Lake during dewatering of these lakes  | Construction  | As per <a href="#">Part D, Item 12</a> | Prior to discharge and Weekly during discharge                     |
|   |   |   | Volume (m <sup>3</sup> )               | Daily during periods of discharge                                  |
| MEL-SR-1 to TBD                           | Surface Runoff:<br>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 <a href="#">Part D, Item 18</a> | 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 <sup>3</sup> )               | 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 <sup>(a)</sup> (and AEMP Stations) | Mixing zone in Meliadine Lake and MDMER exposure stations for final discharge point within mixing zone  | Construction (prior to release), Operations, and Closure        | Full Suite, Group 3 (MDMER)            | 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 <sup>3</sup> )               | Daily during periods of discharge                                  |
|   |   |   | Acute Lethality                        | Once prior to discharge and Monthly thereafter                     |

| <b>Station</b> | <b>Description</b>   | <b>Phase</b>                                 | <b>Monitoring Parameters</b> | <b>Frequency</b>  |
|----------------|--|--|------------------------------|---|
| <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 <u>water pumped from the Landfill and directed to Pond H13</u></i> | <i>Construction, Operations, and Closure</i> | <i>Group 1</i>               | <i>Monthly during open-water or when Water is present</i> |

| Station  | Description   | Phase                            | Monitoring Parameters             | Frequency                                  |
|--|---|----------------------------------|-----------------------------------|--|
| MEL-25   | Secondary containment area at the Itivia Site Fuel Storage and Containment Facility | Construction, Operation, Closure | Group 4, Volume (m <sup>3</sup> ) | Prior to discharge or transfer of Effluent |
| Monitoring Legend: Green - Regulated; Blue - General Aquatic; Red - Verification   |   |                                  |                                   |  |
| <b><u>Regulated Monitoring</u></b> 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., <i>Metal and Diamond Mining Effluent Regulations</i> ). Enforcement action may be taken if discharge limits are exceeded.               |   |                                  |                                   |  |
| <b><u>General Aquatic Monitoring</u></b> 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. |   |                                  |                                   |  |
| <b><u>Verification Monitoring</u></b> 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.

<sup>(a)</sup> 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; WRSF - Waste Rock Storage Facility.