



Nunavut Impact Review Board  
2023-2024 Monitoring Report  
**Meliadine Gold Mine Project**  
**Project Certificate No. 006**  
Agnico Eagle Mines Limited  
NIRB File No. 11MN034



March  
2025

**Report Title:** The Nunavut Impact Review Board's 2023-2024 Annual Monitoring Report for the Meliadine Project (NIRB File No. 11MN034)

**Project:** Meliadine Gold Mine Project

**Project Location:** Kivalliq Region, Nunavut

**Project Owner:** Agnico Eagle Mines Limited (Agnico Eagle)

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**Monitoring Period:** October 1, 2023 – September 30, 2024

**Date Issued:** March 20, 2025

**Cover Photo:** Meliadine Property

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## List of Acronyms

AWAR	All-weather Access Road
CIRNAC	Crown-Indigenous Relations and Northern Affairs Canada
DFO	Fisheries and Oceans Canada
ECCC	Environment and Climate Change Canada
GN	Government of Nunavut
HC	Health Canada
HHS	Hunter Harvest Survey
IIBA	Inuit Impact and Benefits Agreement
IQ	Inuit Qaujimajatuqangit
KEAC	Kivalliq Elders Advisory Committee
KHTO	Kangiqliniq Hunters and Trappers Organization
KivIA	Kivalliq Inuit Association
NIRB	Nunavut Impact Review Board
NWB	Nunavut Water Board
TC	Transport Canada
TAG	Terrestrial Advisory Group
TEMMP	Terrestrial Environment Management and Monitoring Plan
TK	Traditional Knowledge

## 1. Introduction

The Nunavut Impact Review Board (NIRB or Board) was established through Articles 10 and 12 of the *Agreement between the Inuit of the Nunavut Settlement Area and Her Majesty the Queen in right of Canada (Nunavut Agreement)* and is responsible for the assessment of ecosystemic and socio-economic impacts of projects in the Nunavut Settlement Area according to the *Nunavut Agreement*. The NIRB is responsible for post-environmental assessment monitoring of projects in accordance with Part 7 of Article 12 of the *Nunavut Agreement* and s. 135 of the *Nunavut Planning and Project Assessment Act*, S.C. 2013, c. 14, s. 2 (NuPPAA).

The purpose of the NIRB's monitoring program as outlined in Section 12.7.2 of the *Nunavut Agreement* and s. 135(3) of the NuPPAA are:

- a) measure the impact of the project on the ecosystemic and socio-economic environments of the designated area;
- b) determine whether the project is carried out in accordance with the terms and conditions imposed under subsection 152(6) or set out in the original or amended project certificate;
- c) provide the information necessary for regulatory authorities to enforce the terms and conditions of licences, permits or other authorizations that they issue in relation to the project; and
- d) assess the accuracy of the predictions contained in the project impact statement.

This report provides findings that resulted from the Board's monitoring program for Agnico Eagle Mines Limited's (Agnico Eagle) Meliadine Gold Mine Project (Meliadine or the Project) from October 1, 2023 to September 30, 2024.

## **2. Project Overview**

### **2.1 Project Components**

The Meliadine Gold Mine Project (NIRB File No. 11MN034) involves the construction and operation of a gold mine located in the Kivalliq Region, approximately 25 kilometres (km) north of Rankin Inlet on Inuit-owned lands. There are five (5) separate deposits that Agnico Eagle plans to develop in a phased approach. Phase 1 is focused on the Tiriganiaq deposit, which includes two (2) open-pits and one (1) underground mine. Phase 2 includes the development of an approximately 20 km spur road to allow access for the development of the Discovery deposit, haul roads to access the Wesmeg, F-zone, and Pump deposits, and twinning of the All-weather Access Road (AWAR).

The mine site is comprised of a camp, associated mining infrastructure, and the Tiriganiaq open pit and underground mine which moved into operations in 2019. Additional Project infrastructure is located at Itivia Harbour in the Hamlet of Rankin Inlet which has a barge unloading facility, a laydown storage and marshalling area, a 37.5 million litre (ML) fuel tank farm, and a saline water discharge tank. The Itivia Harbour area is connected to the mine site via the private Bypass Road which allows mine-related traffic from Itivia Harbour to bypass the community before connecting to the AWAR. The approximately 24-kilometre (km) long AWAR is restricted to all-terrain-vehicle (ATV) access only by the public but will be opened to all public traffic for Phase 2 of the Project which includes expansion of the AWAR to 2-lanes with appropriate turn-offs.

### **2.2 Project History**

A brief history of the Project is summarized in [Table 2-1](#).

#### Saline Effluent Discharge Proposal

In 2019, the NIRB approved the addition of discharging a portion of the salty groundwater (saline effluent) from the Tiriganiaq underground mine into Melvin Bay. In the open water season of 2019, Agnico Eagle began discharging saline effluent into Melvin Bay. Trucks transport saline effluent from the mine site to the saline water discharge tank, located at Itivia Harbour, where the saline effluent is then pumped at a rate of 800 cubic metres per day (m<sup>3</sup>/day) through a waterline to an engineered diffuser located in Melvin Bay. The saline effluent transport and discharge into Melvin Bay only happens during the open water season and Agnico Eagle stores groundwater on-site for the remaining months.

#### Waterlines Amendment

In 2020, due to higher than predicted saline effluent volumes flowing into the underground mine, Agnico Eagle applied with the “Saline Effluent Discharge to Marine Environment” Proposal (Waterlines Amendment) to amend its Project Certificate to change the conveyance of the saline effluent from trucking to waterlines constructed alongside the AWAR, as well as increase the volume of saline effluent discharged to 6,000 - 12,000 m<sup>3</sup>/day. The Waterlines Proposal included

an alternative to also discharge treated surface contact water to an additional 8,000 m<sup>3</sup>/day, bringing the total allowable discharge up to 20,000 m<sup>3</sup>/day during the open water season. The NIRB issued the second amendment to the Meliadine Gold Mine Project Certificate No. 006, on March 2, 2022. Construction of the waterline commenced in 2023 and will continue through 2024 with commissioning expected in 2025.

#### Meliadine Extension

On April 1, 2022, the NIRB received a referral from the Commission to assess Agnico Eagle’s “Meliadine Extension” Project Proposal. The Proposal included the addition of underground mining activities at the existing open-pit Pump, F Zone, and Discovery deposits, and the development of a new portal for Tiriganiaq-Wolf, with associated infrastructure for ore, waste, water, and fuel management including the addition of a waterline from the Discovery deposit to the mine site along the spur road and AWAR. The Proposal also included the construction and operation of 11 wind turbines and associated infrastructure. Following a comprehensive review process, the Board concluded in November 2023 that the Proposal should not be allowed to proceed. After the Board issued its Reconsideration Report and Recommendations to the Responsible Ministers, Agnico Eagle withdrew the application, which was acknowledged by the Ministers, and no further amendment to the Project Certificate occurred.

All materials about the NIRB’s ongoing Monitoring program for the Meliadine Gold Mine Project can be accessed from the NIRB’s online Public Registry at [www.nirb.ca/project/125515](http://www.nirb.ca/project/125515).

**Table 2-1: Meliadine Gold Mine Project History.**

<b>Date</b>	<b>Milestone</b>
February 20, 2012	The NIRB issues its decision that Phase 1 of the All-weather Access Road could proceed before the completion of the Review of the Meliadine Gold Mine Project subject to specific Terms and Conditions.
February 26, 2015	After completing an assessment of the Project, and acceptance of the NIRB’s recommendation by the then Minister of Aboriginal Affairs and Northern Development, the NIRB issued Meliadine Gold Mine Project Certificate No. 006.
April 13, 2017	The NIRB determined that the quarry at Itivia Harbour (16QN071) could proceed subject to recommended Terms and Conditions.
February 26, 2019	The NIRB issued the first amendment to the Meliadine Gold Mine Project Certificate No. 006 after completing an assessment of the “Saline Effluent Discharge to the Marine Environment” and the Ministers acceptance of the Board’s report.
May 14, 2019	Agnico Eagle began the commercial production phase of Meliadine.

Date	Milestone
June 9, 2020	The NIRB determined that the proposed 2020 interim measures for increased trucking and saline effluent discharge into Melvin Bay did not require changes to the existing Terms and Conditions of the Project Certificate but requested additional monitoring information for 2020.
July 30, 2021	The NIRB released the Reconsideration Report and Recommendations for the Waterlines Proposal.
October 5, 2021	Agnico Eagle provided notice that eight (8) waterbodies would be drained/dewatered. Five (5) of these waterbodies are required to be dewatered due to their proximity to mining infrastructure. An additional three (3) waterbodies will be dewatered due to the requirement to modify the slope of the Tiriganiaq Pit 1 wall for structural and safety concerns.
January 31, 2022	The Responsible Ministers accepted the NIRB's Reconsideration Report and Recommendations for the Waterlines Project with the recommended eleven (11) revised and three (3) new terms and conditions of Project Certificate 006, further varying three (3) of these terms and conditions. Amendment No. 02 to Project Certificate was issued March 2, 2022.

### 3. Monitoring Activities

#### 3.1 Proponent's Responses to the Board's 2022-2023 Recommendations

On December 7, 2023, the NIRB issued several Board and monitoring recommendations to Agnico Eagle resulting from the NIRB's 2022-2023 monitoring efforts as well as several Monitoring Officer findings in the Monitoring Report.<sup>1</sup> On February 5, 2024, Agnico Eagle provided responses to address each of the recommendations.<sup>2</sup> The Board's Recommendations and Monitoring Officer Findings along with Agnico Eagle's responses are summarized in [Tables 3-1](#) and [3-2](#).

<sup>1</sup> NIRB Doc ID. 347637 & 347636

<sup>2</sup> NIRB Doc ID. 348237

**Table 3-1: 2023 Board Recommendations and Agnico Eagle Responses.**

Board Recommendation	Agnico Eagle's Response
<p>The Board recommends that within the 2023 Hunter Harvest Study Summary Report, Agnico Eagle provide hunter number and success from 1996-2001 Nunavut Wildlife Harvest Study as well as an explanation of what the limitations are in comparing Agnico Eagle's Hunter Harvest Survey to this historical data and how these limitations will be factored into setting caribou harvest thresholds.</p>	<p>Agnico Eagle will reassess the data from the Rankin Inlet component of the Nunavut Wildlife Management Board study so that direct comparisons to 2021 to 2023 data can be made.</p>
<p>Agnico Eagle should collaborate with the Terrestrial Advisory Group (TAG), or appropriate parties including the Government of Nunavut and Kangiqliniq Hunters and Trappers Organization (KHTO) on determining caribou harvest thresholds in advance of updating this information in management plans.</p>	<p>Agnico Eagle will collaborate with the TAG and appropriate parties to determine caribou harvest thresholds prior to including this information in the Terrestrial Environment Management and Monitoring Plan in 2024.</p>
<p>The Board recommends that Agnico Eagle complete the steps committed to for continued collaboration on the Commitment 38 [caribou movement] Analysis, and provide the Board with an update of progress, or a revised analysis, within the 2023 Annual Report.</p>	<p>Agnico Eagle presented a revised Commitment 38 Analysis to the Terrestrial Advisory Group (TAG) in October 2023, and based on comments received, prepared an addendum to the analysis, which was provided to the TAG on Feb 5, 2024. <i>NIRB notes that additional details were provided in Agnico Eagle's 2023 Annual Report.</i></p>
<p>Within 60 days, Agnico Eagle shall provide the Board with a summary of the process for the Terrestrial Environment Management and Monitoring Plan (TEMMP) update and how Agnico Eagle has factored in sufficient time for input and revision by the Terrestrial Advisory Group (TAG) members.</p>	<p>The TEMMP was discussed at several meetings with the TAG in 2023. Agnico Eagle presented a Table of Contents of the revised draft TEMMP during the October TAG meeting and a full draft was distributed for review and comment on December 20, 2023, ahead of the January 2024 TAG meeting. As of February 5, 2024, no written comments had been received. <i>Additional details provided in Agnico Eagle's 2023 Annual Report.</i></p>

**Table 3-2: 2023 NIRB Monitoring Officer Findings and Agnico Eagle Responses.**

Monitoring Officer Findings	Agnico Eagle's Response
<p>General Reporting:</p> <ul style="list-style-type: none"> <li>• Ensure all figures and tables are readable.</li> <li>• Consider year over year graphs.</li> <li>• Provide active versions of management and monitoring plans as stand-alone documents.</li> </ul>	<p>Agnico Eagle commits to presenting/providing the data and plans as requested and will make available the latest version of management plans on its website.</p>
<p>Community Consultation:</p> <ul style="list-style-type: none"> <li>• Report more clearly on how community feedback, IQ, and TK were used in management and monitoring.</li> <li>• State how updates were provided back to the community.</li> </ul>	<p>The Kivalliq Elders Advisory Committee (KEAC) meets at least two (2) times per year. These meetings provide invaluable guidance to Agnico Eagle's Nunavut operations teams and serves as the basis of Agnico Eagle's Traditional Knowledge (TK) and Inuit Qaujimajatuqangit (IQ) integration.</p> <p>In 2023, the KEAC actively participated in 10 meetings, 2 site visits and 3 cultural activities. Examples of initiatives brought forward in collaboration with the KEAC since its creation include:</p> <ul style="list-style-type: none"> <li>• Mental health and culture counselling tailored to Inuit employees</li> <li>• Site visit by Rankin Inlet Elders to learn about water quality monitoring</li> <li>• Water and tea colour experiment with a botanical expert.</li> </ul> <p>The KEAC also identified over 20 additional traditional place names, which were added to an online ArcGIS portal shared with other Agnico Eagle internal departments.</p>
<p>Fish Passage:</p> <ul style="list-style-type: none"> <li>• Provide an update on the status of culvert repairs and whether further work is required to ensure safe fish passage.</li> </ul>	<p>A Request for Review was submitted to DFO on December 22, 2023 for the replacement of two (2) culverts along the All-Weather Access Road and for the replacement of one (1) culvert along the Rankin Inlet Bypass Road. <i>Additional details provided in Agnico Eagle's 2023 Annual Report.</i></p>

Monitoring Officer Findings	Agnico Eagle's Response
<p>Wildlife Safety Audit:</p> <ul style="list-style-type: none"> <li>• Provide an update on activities to be implemented in 2023 to limit possible wildlife attractants at the site.</li> </ul>	<p>Agnico Eagle quickly implemented the recommendations of the consultant who conducted the wildlife audit in April 2023. Agnico Eagle is committed to maintaining good practices to limit possible attractants at the site. The results of the April 2023 wildlife audit will be detailed in the 2023 annual report.</p>
<p>Incinerator Ash:</p> <ul style="list-style-type: none"> <li>• Provide an update on the Arsenic in incinerator ash arsenic exceedance investigation, and what management measures have been or can be put in place to reduce arsenic levels.</li> </ul>	<p>All non-compliant ash is disposed of in compliance with the Incineration Management Plan. In 2023 a new waste management employee was hired on site, and new practices were adopted for waste incineration including enhanced training. These measures likely contributed to a reduction in metal exceedances in 2023. <i>Additional details provided in Agnico Eagle's 2023 Annual Report.</i></p>
<p>Vegetation Monitoring:</p> <ul style="list-style-type: none"> <li>• Determine whether high arsenic values in sampled vegetation are an effect of the Project.</li> <li>• Indicate what mitigation measures would be considered if high arsenic values are a result of the Project.</li> <li>• Indicate what the risk may be on caribou or other terrestrial wildlife.</li> </ul>	<p>Agnico Eagle will include a discussion on higher arsenic values in vegetation sampling potential sources, related mitigation measures and potential impacts on terrestrial wildlife in the 2023 TEMMP Report of 2023 Annual Report.</p>
<p>Socioeconomic Closure Reporting:</p> <ul style="list-style-type: none"> <li>▪ Provide an update on when data collection, analysis and mitigation measures for potential closure-related socioeconomic impacts will be reported on.</li> </ul>	<p>As per the Kivalliq Projects Socio-Economic Monitoring Working Group Terms of Reference, the Agnico Eagle Kivalliq Projects Socio-Economic Monitoring Program will be updated two (2) years prior to closure to include data collection, analysis, and mitigation measures for potential socio-economic impacts in the closure and post-closure phases.</p>

### 3.2 General Reporting Requirements

On March 31, 2024, the NIRB received Agnico Eagle's completed Meliadine Gold Mine Project *2023 Annual Report*<sup>3</sup> as required by the Meliadine Gold Mine Project Certificate No. 006 Amendment 02.

Throughout 2023 and 2024, Agnico Eagle provided the new or revised management plans and monitoring programs listed in Table 3-3 as required by the terms and conditions contained within the amended Project Certificate 006 or as specifically requested by the NIRB or Regulatory Authorities. See Agnico Eagle's *2023 Annual Report* for a complete list of management plans in use at the Project.

**Table 3-3: Updated Management and Monitoring Plans.**

Plan	Version	NIRB Doc ID.
Blast Monitoring Program	6	349085
Explosive Management Plan	10	349087
Mine Waste Management Plan	11	349089
Incinerator Management Plan	8	349088, 349090
Ore Storage Management Plan	6	349091
Oil Pollution Emergency Plan / Oil Pollution Prevention Plan	9	349092
Spill Contingency Plan	15	349093
Roads Management Plan	10	349094
Water Management Plan	15	349097

### 3.3 Monitoring by Regulatory Authorities

On April 19, 2024, the NIRB requested that Regulatory Authorities with expertise or jurisdiction at the Meliadine Gold Mine Project review the Proponent's *2023 Annual Report* and provide comments with respect to the following:

#### **Compliance Monitoring:**

- Identify the terms and conditions from the Project Certificate which have been incorporated into any permits, certificates, licences, or other approvals issued for the Project, where applicable and report annually to the NIRB on the status of those incorporated terms and conditions;
- A summary of any inspections conducted during the 2023-2024 reporting period, and the results of these inspections; and
- A summary of the Proponent's compliance status regarding authorizations that have been issued for the Project.

#### **Effects Monitoring:**

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<sup>3</sup> NIRB Doc ID. 349046.

- Whether the conclusions reached by Agnico Eagle Nunavut in the *2023 Annual Report* are valid; and
- Any areas of significance requiring further supporting information or any changes to the monitoring program which may be required.

After an extension to the commenting period was provided due to capacity constraints from Parties, on or before June 6, 2024, the NIRB received comments from the parties listed in [Table 3-4](#). Agnico Eagle provided its responses to parties' comments on July 8, 2024.

**Table 3-4: Comment Submissions.**

Commenting Party	NIRB Doc ID.
Kivalliq Inuit Association (KIA)	350556
Government of Nunavut (GN)	350154
Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)	350233
Environment and Climate Change Canada (ECCC)	350233
Fisheries and Oceans Canada (DFO)	350475
Health Canada (HC)	350157
Transport Canada (TC)	350116
Sayisi Dene First Nation and Northlands Denesuline First Nation (SDFN NDFN)	350226

### **3.3.1 Compliance Monitoring**

The following is a summary of comments received by parties regarding compliance monitoring.

#### **3.3.1.1 Kivalliq Inuit Association**

The Kivalliq Inuit Association (KivIA) did not provide any information regarding site inspections conducted at the Meliadine Gold Mine Project site or report any concerns regarding compliance.

#### **3.3.1.2 Government of Nunavut**

The Government of Nunavut (GN) did not provide any information regarding any site inspections conducted at the Meliadine Gold Mine site or report any concerns regarding compliance.

#### **3.3.1.3 Crown-Indigenous Relations and Northern Affairs Canada**

Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC) conducted four site inspections at Meliadine in 2023. No non-compliances were noted during any of these four inspections. Following the inspection in March 2023, the Proponent was asked to present a plan for using, reusing or removing unused equipment near the exploration camp. Agnico Eagle responded with the requested plan. Following the inspection in September 2023, CIRNAC noted concerns that dust from the Tailings Storage Facility is entering freshwater and encouraged the Proponent to continue dust mitigation.

#### **3.3.1.4 Environment and Climate Change Canada**

Environment and Climate Change Canada (ECCC) conducted a site inspection from July 26 to July 28, 2023. No non-compliances were noted during this inspection. ECCC noted that Agnico

Eagle submitted one of the required Metal and Diamond Mining Effluent Regulations (MDMER) quarterly reports late but confirmed that all other reporting was submitted on time and no compliance issues were noted. No enforcement actions were taken regarding 2023 reportable spills.

#### *3.3.1.5 Fisheries and Oceans Canada*

The Project has one active *Fisheries Act* Authorization: NU-02-01117.3 for Construction of the Doris Tailings Impoundment Area (TIA) north dam.

DFO did not provide any information to the NIRB regarding site inspections nor any compliance concerns. However, Section 10.2 of Agnico Eagle's *2023 Annual Report* notes that DFO conducted a site visit on September 21, 2023 to review water crossings along the Bypass Road and AWAR along with the waterline and other areas identified as fish habitat in the assessment conducted for the Request for Review for construction of the waterline. See comment number DFO-1 under the Effects Monitoring Section below for additional information.

#### *3.3.1.6 Health Canada*

Health Canada (HC) did not provide any information regarding site inspections conducted at the Meliadine Gold Mine Project site or report any concerns regarding compliance.

#### *3.3.1.7 Transport Canada*

Transport Canada (TC) noted that the oil handling facility is in compliance with regulatory requirements. An inspection of the facility was carried out in 2023 and no deficiencies were identified. Tanker Marlin Hestia, associated with project shipping, was inspected by TC in 2023, and no deficiencies were noted. TC did not undertake any enforcement activity in 2023.

TC'S Navigation Protection Program (NPP) has issued two approvals for the Project:

2010-600573 – Bridge Meliadine River

2019-600003 – Outfall/diffuser, Melvin Bay.

NPP received no complaints about the project in 2023. NPP did not carry out any inspections for the Project in 2023.

TC conducted an inspection in 2023 to verify compliance with the Transportation of Dangerous Goods Regulations. Agnico Eagle has liaised directly with TC regarding corrective measures. TC notes that the shipping waste manifest provided by Agnico Eagle does not comply with requirements and TC will follow up directly with the Proponent. No complaints/concerns regarding the transportation of dangerous goods were received. No other enforcement action was taken.

### 3.3.2 *Effects Monitoring*

Tables 3-5 through 3-12 contain a summary of comments received by parties and Agnico Eagle's follow-up responses.

#### 3.3.2.1 *Kivalliq Inuit Association*

**Table 3-5: Kivalliq Inuit Association's Comments and Agnico Eagle's Responses on the Meliadine Project's 2023 Annual Report.**

Comment	Proponent Response
<b>KivIA-1:</b> Ensure the presentations and reports provided to the TAG are available in accessible archives and the summarized information is in the annual TEMMP report.	Topics discussed or presented within the TAG are presented in the TAG Annual Report and described in the meeting minutes appended to the TAG Annual Report which are part of the overall <i>2023 Annual Report</i> . All presentations and reports presented to the TAG are accessible to TAG participants via OneDrive folders.
<b>KivIA-2:</b> <b>i.</b> Clarify if the rate of deflections measurement in the Commitment 38 analysis is applicable to assess the accuracy of sensory disturbance threshold and whether rate of deflections should be measured annually. <b>ii.</b> Provide options for integrating collar, road surveys, behaviour and camera monitoring data. <b>iii.</b> Provide options for amending Commitment 38.	Agnico Eagle will address the comments on the Commitment 38 report with the TAG and include a summary of those discussions within the TAG annual reports as per TAG Terms of Reference.
<b>KivIA-3.</b> <b>i.</b> Reach out to Nunavut General Monitoring Plan (NGMP) and other regional monitoring initiatives. <b>ii.</b> Consult with Inuit elders to discuss their knowledge on the changes in the wildlife sightings and incidentals.	Agnico Eagle supports both regional and community-based monitoring. In 2023, Agnico Eagle and the GN signed the Data and/or Sample Sharing Agreement (DSSA) for regional caribou monitoring. The Project also fills regional gaps in ECCC's Program for Regional and International Shorebird Monitoring (PRISM) and in the GN's regional land cover mapping. The Project also collaborates with the KivIA and the Kivalliq HTO for caribou monitoring and information on hunting activity.

Comment	Proponent Response
<b>KivIA-5.</b> <b>i.</b> Provide the TAG with design options to apply to the behaviour and remote camera monitoring to test mitigation effectiveness. <b>ii.</b> Include descriptive statistics of behaviour monitoring data for the duration of responses by year.	Agnico Eagle will evaluate design options to apply the behaviour and remote camera monitoring to test mitigation effectiveness at the mine site and AWAR. Agnico Eagle will collaborate with the TAG to discuss an analysis to determine if there is an effect of season on caribou behaviour.
<b>KivIA-6.</b> Provide design options for the TAG to measure how monitoring results at Meliadine contribute to cumulative impacts and toward meeting T&C 57c.	Agnico Eagle will work with the TAG to discuss how monitoring results at Meliadine can be used to look at cumulative effects of the mine and facilities on caribou.
<b>KivIA-7.</b> <b>i.</b> Explore options with the TAG to measure if and how the AWAR changed harvesting access. <b>ii.</b> Report the caribou harvest on a monthly basis and add harvesting effort to the reporting.	The 2023 hunter harvest survey report did report monthly caribou harvest and attempted to assess differences in harvest rates before and after the AWAR was constructed. Agnico Eagle will continue to discuss the HHS with TAG members.
<b>KivIA-8.</b> <b>i.</b> Consult with the TAG to compile a list of appropriate environmental variables to report on. <b>ii.</b> Present the variables as trends over time and use graphs.	Agnico Eagle will consider revising future reports to include multi-year reporting of environmental variables. Meteorological variables such as wind speed and direction on other temporal scales are reported in the annual Air Quality Monitoring Report. Other environmental variables for specific studies can be discussed with the TAG.
<b>KivIA-9.</b> Additional reference areas at Peter Lake and other lakes should be monitored, with results reported as an annex to the AEMP.	This recommendation was addressed through the 2024 NWB Water Licence Amendment Technical Meeting Process. Agnico Eagle agreed to monitoring additional reference lakes.

### 3.3.2.2 Government of Nunavut

**Table 3-6: Government of Nunavut's Comments and Agnico Eagle's Responses on the Meliadine Project's 2023 Annual Report.**

Comment	Proponent Response
<p><b>GN-01. i.</b> Endeavour to reach consensus w the TAG on future TAG reports. Record where unanimous agreement or differences of opinion exist along with any plans for resolution. <b>ii.</b> Revise the status of action items 2022-8 and 2022-14 to “unresolved”.</p>	<p>As per the TAG Terms of Reference, TAG recommendations (matters for which there are unanimous consensus) and TAG advice (matters for which there are a majority agreement) are gathered through the TAG meetings. TAG Meeting Minutes and the TAG annual report are provided to TAG Parties for their review and comments.</p> <p>Topics to be discussed with the TAG each year are planned with the TAG in the preceding year. Topics included in the TEMMP annual report are discussed with the TAG.</p>
<p><b>GN-02. i.</b> Explain why an analysis of raptor nest productivity in relation to anthropogenic disturbance is not included in the 2023 annual TEMMP report. <b>ii.</b> Clarify what plans are in place to assess Project effects on raptor nest productivity.</p>	<p>This analysis was not included in the 2023 report to remain consistent with the analysis conducted in 2022 and because the data collected to date are current insufficient. Agnico Eagle anticipates additional analysis will be possible following 2024 monitoring and will report on it in the 2024 Annual Report.</p>
<p><b>GN-03.</b> Increase the distance threshold for closure of the AWAR to reflect project-specific monitoring results, peer-reviewed studies, and discussion with the TAG.</p>	<p>Agnico Eagle adheres to the TEMMP for AWAR closures and AWAR closure decisions are made in collaboration with the GN, KivIA, and KHTO based on field observations and variables.</p>
<p><b>GN-04.</b> Future analyses of the caribou behaviour monitoring data should treat distance from infrastructure as a continuous variable or add additional bins in the 300-1000 m and &gt;1000 m ranges.</p>	<p>The feasibility of adding distance as a continuous variable in the analysis will be assessed for 2024 reporting.</p>
<p><b>GN-05.</b> Total annual caribou harvest estimated through the hunter harvest survey should use an adjusted estimate of total hunter numbers to account for population growth. Information gathered from local organizations should also be included in these estimates.</p>	<p>Agnico Eagle will discuss with local organizations in 2024 and will use this information along with an adjustment for increasing population in the 2024 reporting.</p>
<p><b>GN-06. i.</b> Provide a table with AEM’s caribou monitoring efforts in the RSA by year</p>	<p>Caribou monitoring is conducted in accordance wit the TEMMP. A yearly</p>

Comment	Proponent Response
since 2017. <b>ii.</b> Detail all AEM's contributions to regional monitoring programs for the Qammanirjuaq caribou herd by year since 2017.	contribution of \$150,000 was made between 2017 and 2019 per the MOU between Agnico Eagle and the GN. In 2023 Agnico Eagle and the GN signed the Data and/or Sample Sharing Agreement (DSSA) to replace the previous MOU.
<b>GN-07.</b> Revise the Commitment 38 Addendum so it accurately reflects the sequence of events concerning Commitment 38 and to clearly indicate that it is Agnico Eagle's position that the analysis is complete and that other TAG members do not share this position.	Agnico Eagle will address the GN's comments with the TAG and will include results of these discussions within the TAG meeting minutes and the next TAG annual report.
<b>GN-08.</b> Revise the Commitment 38 Addendum to demonstrate the improved performance of the new deflection definition through additional analysis. Repeat the analyses using the original definition.	
<b>GN-09.</b> Revise the Commitment 38 Addendum with details on how the threshold value of 0.15 was selected and demonstrate the effectiveness of this threshold value in describing caribou movements.	
<b>GN-10.</b> Revise the Commitment 38 Addendum to clarify the phrase "interacted with the Mine/and or Meliadine" and to clarify the definition of downstream steps.	
<b>GN-11.</b> Discuss the candidate model structure presented in the Commitment 38 Addendum with the TAG.	
<b>GN-12.</b> Repeat the Commitment 38 Addendum analyses without the base habitat model and/or with a redeveloped base habitat model that is specific to the data used.	
<b>GN-13.</b> Include analyses and/or discussion of sample size issues and power to detect effects into the Commitment 38 Addendum.	

Comment	Proponent Response
<b>GN-14.</b> The Commitment 38 Addendum assess whether the 10% deflection threshold has been exceeded.	

### 3.3.2.3 Crown-Indigenous Relations and Northern Affairs Canada

**Table 3-7: Crown-Indigenous Relations and Northern Affairs Canada's Comments and Agnico Eagle's Responses on the Meliadine Project's 2023 Annual Report.**

Comment	Proponent Response
<b>CIRNAC-1.</b> Clarify the discrepancies between the total volume of saline water from underground that was pumped to the surface. Reconcile any disparities in the projected groundwater inflow rates from 2024 onward against FEIS predictions.	Volumes presented in Table 4 of Section 3.1.3 of the Annual Report represent water pumped from the underground mine. Figure 14 shows volumes of water pumped from the underground mine plus other inflows. An updated version of the model was included in a January 2024 water licence amendment application to the NWB. Greater groundwater inflow rates are predicted due to inclusion of the additional deposits.
<b>CIRNAC-2.</b> i. Enhance accuracy of predicted CP1 Total Dissolved Solids (TDS) concentrations from 2024 to 2028. ii. Enhance accuracy of ammonia-nitrogen and total phosphorous concentration predictions in the Water Balance and Water Quality Model (WBWQM). iii. Provide WBWQM figures that verify expected concentrations during operations, closure and post-closure.	During the open water period, the 2023 <i>Annual Report</i> predictions are conservative and in an acceptable range of error when compared to observed concentrations. Refer to ECCC-2 comment for details of improvements to be made to ammonia and phosphorous concentration predictions in CP1. The WBWQM developed for the Water Licence amendment application considers additional mine components and includes a simulation of water balance and quality during mine closure and post closure. Once the amendment is approved by the NWB, Agnico Eagle will transition to that WQWQM and subsequent annual reports

Comment	Proponent Response
	will include longer term water quality predictions.
<b>CIRNAC-3.</b> i. Extend the AEMP monitoring period and increase the frequency of water chemistry monitoring. ii. Collect oxygen profiles, turbidity data and water chemistry measurements at depth. iii. Collect and analyze lake bottom sediment samples annually.	Additional scope will be added to the 2024 monitoring program and additional reference lakes will be added starting in 2025. The benthic invertebrate and fisheries studies follow the MDMER EEM guidance. The AEMP monitoring period cannot be extended into June and October due to ice conditions. Long-term monitoring has shown surface water is well mixed. Turbidity is measured from samples collected at mid-depth. Sediment sampling is scheduled for August 2024. If warranted, more frequent sediment sampling may be conducted.
<b>CIRNAC-4.</b> i. Confirm if changes were made to detailed staff schedule following approval of the Saline Effluent Discharge to the Marine Environment Proposal. ii. Confirm location of most recent detailed staff schedule on NIRB registry. iii. Provide this information in all future annual reports.	The proposed activities would result in a very small number of employment opportunities which could likely be filled with the existing workforce. The detailed staff schedule was submitted to the NIRB in November 2015 (NIRB Doc ID. 325135). No updates are warranted.
<b>CIRNAC-5.</b> Provide update on consultation with outfitting and guiding businesses.	In 2023, meetings were held with KHTO members, who provided information on active outfitting and guiding businesses in Rankin Inlet. Outfitters and guides were contacted by email, house visits, and/or text messaging. In 2023, one outfitter participated in the HHS. The HHS may be used for updating the TEMMP in consultation with the TAG.

#### 3.3.2.4 Environment and Climate Change Canada

**Table 3-8: Environment and Climate Change Canada's Comments and Agnico Eagle's Responses on the Meliadine Project's 2023 Annual Report.**

Comment	Proponent Response
<p><b>ECCC-1.</b> Clarify and justify in the Aquatic Effect Monitoring Program (AEMP) design plan what concentrations will be compared to Action Levels for each parameter.</p> <p>Begin more frequent monitoring in Lake B7.</p>	<p>Individual samples are screened against Action Levels and Benchmarks. If action levels are exceeded, the annual mean and median concentrations are compared.</p> <p>For 2024, water quality monitoring in Lake B7 will be conducted in July and August as in previous years. A third sampling event in late September/early October may be completed if arsenic concentrations in July and August exceed the AEMP Action Level.</p>
<p><b>ECCC-2.</b> Discuss if and how findings of the CP1 Nutrient Predictions Report can be used to improve predicted concentrations of phosphorous and ammonia in CP1.</p>	<p>Natural attenuation of ammonia and phosphorous by algal growth plays a dominant role in the discrepancy observed between predicted and measured nutrient concentrations in CP1.</p> <p>Agnico Eagle will investigate the possibility implementing a second prediction for ammonia and phosphorous within the Water Quality Model better reflects the actual concentrations observed during the past three years.</p>
<p><b>ECCC-3.</b> Clarify if and when the Scenario Analysis on alternative sludge management strategies will be shared and if and how the findings will be implemented.</p>	<p>The Scenario Analysis presented in the <i>2023 Annual Report</i> mainly focused on economic feasibility. Operational feasibility and efficiency of each method will be further discussed in the 2024 Annual Report. Potential impacts of in-pit sludge disposal, interpretation of monthly sludge sampling results, and potential alternative sludge management options will be discussed in the 2024 Annual Report.</p>
<p><b>ECCC-4.</b> Several tables are missing information or are illegible. Ensure table titles or footnotes are sufficiently descriptive and all data are legible.</p>	<p>Clarifications provided for specific examples from ECCC.</p>
<p><b>ECCC-5.</b> Temporal changes in consumed materials and weather conditions should be</p>	<p>Inclusion of these additional components will be assessed for 2024. Agnico Eagle is</p>

Comment	Proponent Response
included in the analysis of the stack testing results and an anticipated time frame be provided for completion of the analysis.	investigating the exceedance observed during the 2023 stack testing and is evaluating options for additional monitoring/analysis.
<b>ECCC-6.</b> Investigate the large number of days with identical annual lowest minimum temperatures.	Temperature range of the sensor is by default -40° to +60°C, but can be set to -50° to +100°C. It is likely the sensor was set to the default mode following maintenance in October 2023.
<b>ECCC-7.</b> Clarify whether average wind directions are scalar or vector. Explain the suspiciously high precipitation value recorded for 2023-06-08.	Absolute measures of wind speed (km/h) and wind direction (degrees) are collected and then an vector average is calculated. The high rainfall value recorded 2023-06-08. was recorded during a significant rainfall event spread over time with relatively low wind.
<b>ECCC-8.</b> Correct the reference in Section 4 of Appendix 23.	Section 4 of Appendix 23 should have referred to Appendix A rather than Appendix B. This will be corrected in the 2024 Annual Report.

### 3.3.2.5 Fisheries and Oceans Canada

**Table 3-9: Fisheries and Ocean’s Comments and Agnico Eagle’s Responses on the Meliadine Project’s 2023 Annual Report.**

Comment	Proponent Response
<b>DFO-1.</b> Agnico Eagle is planning work at some culverts along the AWAR and Rankin Inlet Bypass Road. It will be important to maintain fish passage.	Three culverts are being replaced in 2024. Additionally, a fish habitat assessment along the AWAR will be conducted and reported on in the 2024 Annual Report. DFO will be kept apprised of work progress at this location.
<b>DFO-2.</b> Provide more details on missing location data for 2023 shipping. Provide details on the “additional effort” being implemented to ensure accurate vessel tracks and compliance with setbacks from sensitive marine habitats.	The frequency of location fixes on vessels varies due to satellite coverage. Where frequency was high, vessels avoided setback areas. Where frequency was low, vessels may have appeared to travel as a straight line going across sensitive habitats. These cases are investigated and

Comment	Proponent Response
	captains are reminded of the importance of maintaining a buffer from sensitive habitats. Alternative software continues to be investigated.
<b>DFO-3.</b> DFO will work with the Proponent to update their marine mammal monitoring protocol and include increased monitoring efforts.	The marine mammal survey is conducted once per day at minimum. Two or three surveys daily is preferred and commonly conducted. Also crews are always scanning for marine mammals and any observations are recorded as incidental sightings.
<b>DFO-4.</b> Consider a non-Indigenous Species / Aquatic Invasive Species Monitoring Program around zones of higher risk. Provide specific monitoring and mitigation measures that are currently being conducted.	Shipping companies must comply with all applicable regulations including the Ballast Water Regulations which reduces the risk of invasive species being introduced.
<b>DFO-5.</b> DFO will work with the Proponent to monitor and model their underwater noise footprint from shipping. Shipping Management Plan should be updated according to the model.	Discussion on underwater noise has been initiated between Agnico Eagle and DFO.
<b>DFO-6.</b> Provide an appendix specific to fish and fish habitat with details on death of fish, HADD, fish passage issues, fish-out activities, implemented mitigation measures and offsetting activities.	An appendix specific to fish and fish habitat will be included in future annual reports when a <i>Fisheries Act</i> Authorization is issued for the Meliadine Mine.

### 3.3.2.6 Health Canada

**Table 3-10: Health Canada's Comments and Agnico Eagle's Responses on the Meliadine Project's 2023 Annual Report.**

Comment	Proponent Response
<b>HC-01.</b> Provide rationale to support use of AEMP Benchmarks and Action Levels as guidelines considered protective of human health for substances with AEMP Benchmarks and/or Action Levels above	To address concerns raised by the KivIA in 2023, Agnico Eagle agreed to compare water quality data from Meliadine lake against the GCDWQs for arsenic, fluoride and iron.

Comment	Proponent Response
the Guidelines for Canadian Drinking Water Quality (GCDWQ) e.g., Arsenic.	
<p><b>HC-02.</b> HC supports the continued monitoring of arsenic. When refining existing monitoring for metals, a) evaluate hypotheses for causes of observed exceedances, review sampling methods and explore options for supplementary monitoring of soil and other environmental media, and b) specify the data collection necessary to validate predicted dustfall and metals accumulation in soil for different project phases including an analysis of cumulative effects. Proactively engage with Inuit and Indigenous communities when selecting monitoring locations.</p>	<p>Additional statistical analysis will be completed to better understand the elevated metal concentrations and additional soil sampling will be carried out in 2024 and will help inform sampling methodology for full soil and vegetation health monitoring in 2025.</p>
<p><b>HC-03.</b> Measure arsenic in Total Suspended Particulate (TSP) to validate model predictions from the 2014 EIS.</p>	<p>TSP is currently sampled for cadmium and iron because they alone were predicted to exceed health-based thresholds for inhalation. To date, TSP concentrations are largely within FEIS air quality model predictions and cadmium and iron concentrations within TSP are less than predicted.</p>
<p><b>HC-04.</b> HC encourages the implementation of all economically and technologically feasible mitigation measures to limit emissions of non-threshold air contaminants to the extent possible.</p>	<p>Agnico Eagle is continually investigating and implementing new technologies and practices to mitigate Project-related emissions.</p>
<p><b>HC-05.</b> <b>i.</b> Consider locating noise monitoring stations where they can monitor future noise levels experienced inside dwellings and inform the need for additional mitigations. <b>ii.</b> Additional mitigations should be implemented should monitoring results indicate potential adverse noise-related impacts for off-duty workers.</p>	<p>Agnico Eagle will conduct additional noise monitoring in the Meliadine dwelling spaces and the analysis will be provided in the 2024 Annual Report. Note there is a strict Noise Policy in the residential wings restricting noisy activities during designated ‘sleep’ hours.</p>

### 3.3.2.7 *Transport Canada*

**Table 3-11: Transport Canada's Comments and Agnico Eagle's Responses on the Meliadine Project's 2023 Annual Report.**

Comment	Proponent Response
<b>TC-02.</b> Make vessel operators serving the Project aware of the 2024 Annual Notice to Mariners.	Vessel operators are made aware of the notice and related requirements and reminders are sent by the shipping companies at the start of the season.
<b>TC-03.</b> The Shipping Management Plan should be updated to reflect the current Ballast water Regulations.	The next update of the Shipping Management Plan will reflect the current Ballast Water Regulations. Contracted shipping companies comply with all applicable regulations including the Ballast Water Regulations.
<b>TC-04.</b> In Fall 2022, Transport Canada published its Voluntary Guidance for Relevant Authorities on In-Water Cleaning of Vessels. In 2023 The International Maritime Organization's (IMO) Marine Environment Protection Committee (MEPC) adopted the revised "Guidelines for the Control and Management of Ship's Biofouling to Minimize the Transfer of Invasive Aquatic Species."	This information has been shared with the currently contracted shipping companies.

### 3.3.2.8 *Sayisi Dene First Nation and Northland Denesuline First Nation*

**Table 3-12: Sayisi Dene First Nation and Northland Denesuline First Nation's Comments and Agnico Eagle's Responses on the Meliadine Project's 2023 Annual Report.**

Comment	Proponent Response
<b>SDFN/NDFN-1.</b> Revise Appendix H of Spill Contingency Plan - General Response Procedures for Spilled Saline Water to include deployment of snow fencing and wildlife deterrents, and include these as spill materials.	Agnico Eagle will assess revising the Spill Contingency Plan to include deployment of a wildlife deterrent in the event of a spill. As stated in the draft TEMMP version 5, in case of possible contact between wildlife and a spill, Agnico Eagle

Comment	Proponent Response
	would confer with the KivIA, GN, KHTO and community elders.
<b>SDFN/NDFN-2.</b> Revise Slides 2, 3, 4, and 9 in Toolbox Presentations, Meliadine Caribou Migration Protocol for better clarity.	The presentations referred to were given in 2023 prior to discussions within the TAG regarding Calving and Post-calving period. The presentations were updated for 2024.
<b>SDFN/NDFN-3.</b> Explain why a caribou mortality from June 28, 2023 near KM12 of the AWAR is not included in the <i>2023 Annual Report</i> .	No caribou mortality was observed by Agnico Eagle staff or contractors in 2023. The June 2023 Wildlife report has been amended to reflect that sighting not mortality.
<b>SDFN/NDFN-4.</b> Insert a column in the caribou behaviour monitoring data sheet to record estimated insect activity levels.	Caribou behaviour monitoring methods have been updated prior to the 2024 season to include recording of insect responses.
<b>SDFN/NDFN-5.</b> Enhance the trail camera study budget to purchase more cameras and implement a caribou migration phenology study.	Agnico Eagle remains available to discuss current monitoring programs throughout the TAG.
<b>SDFN/NDFN-6.</b> File with the NIRB and circulate to the organizations listed in Section 4.1 of the TAG Terms of Reference any Memorandums of Understanding for the TAG or other written confirmations of participation in the tag.	On September 6, 2023 Agnico Eagle sent written confirmation to the NIRB of the parties that have signed a MOU or wish to participate as members in the TAG.
<b>SDFN/NDFN-7.</b> The commencement of waterline construction does not appear to comply with T&C 44 which requires the Proponent to revise the Collared Caribou Memorandum in consultation with the TAG prior to construction.	On April 22, 2022, Agnico Eagle submitted a technical memorandum titled “Revised Collared Caribou Meliadine AWAR Interactions (NIRB PC 006 T&C 44).” Additional analysis (Commitment 38 analysis) was discussed with the TAG between December 2022 and April 2023 and the results were shared with TAG members in June 2023 and an Addendum to the Commitment 38 analysis was prepared reflecting TAG comments. Both the revised technical memorandum and the design of the Commitment 38 analysis

Comment	Proponent Response
	were completed by Agnico Eagle before beginning the waterline construction.

### 3.4 NIRB Monitoring

#### 3.4.1 Compliance with the NIRB Project Certificate

The NIRB's comprehensive assessment of the Project Certificate is provided in [Appendix A](#). During the 2023-2024 reporting period, the Proponent has continued to provide the required plans, information and programs required under the Project Certificate. Non-compliances are noted, and where appropriate, brought forward as part of this year's recommendations to the Proponent. Due

#### *Meliadine Gold Mine Site Visit and Public Information Session*

The NIRB staff completed a site visit to the Meliadine Gold Mine Project on July 28-29, 2024 and observed that facilities at the Property were generally maintained according to required environmental protection measures under Project Certificate No. 006. NIRB staff identified the following specific areas for improvement:

- As the waterline installation has progressed there were several locations and/or lengths along the AWAR where the waterlines are higher than the road. This was not identified as something that may occur during the assessment of the waterlines, and this may cause a hazard to equipment and wildlife that cross during the winter and spring months when the road and waterline infrastructure may become snow covered.
- Sections of uncovered waterline have cement structures to assist with retaining the waterlines in place were not marked/identified on the tundra. This may be a hazard to anyone who is accessing the land for traditional activities during the winter and spring months. The AWAR was constructed with slopes to allow both humans and wildlife to cross the road with limited difficulty which is now changed with the steeper and higher slopes.

The NIRB also conducted a Public Information Session in Rankin Inlet on July 29, 2024, to provide community members with an update on mine activities as well as engage with the community members on any questions or concerns related to the Project. General topics raised by community members regarding monitoring of the Meliadine Gold Mine Project included the following:

- Water quality in Itivia Harbou and potential impacts to marine mammals;
- Colour of discharge into Itivia Harbour;
- Changes to Ice conditions in Itivia Harbour;
- Helicopter and Caribou interactions;
- Installation of the waterline next to the AWAR; and
- Limited employment opportunities at the Mine;

For more information regarding the community meeting and site visit, please refer to the 2024 Site Visit Report.<sup>4</sup>

## **4. Findings and Recommendations**

### **4.1 Monitoring Officer Findings**

1. Through 2023 Annual Reporting, Health Canada has raised concerns regarding the location of noise monitoring stations at site and near accommodations facilities. Through this discussion Agnico Eagle noted that they would conduct additional noise monitoring at the Meliadine accommodations facilities. NIRB staff are requesting that this update be provided in the 2024 Annual Report.
2. NIRB staff noted a lack of clarity in the *2023 Annual Report* regarding the Shipping Management Plan and Marine Environment Management Plan. NIRB staff were unable to clearly determine if and how these plans were being updated based on annual marine monitoring data that has been collected and are requesting that the Proponent review the presentation of this information and provide a concise update in the 2024 Annual Report regarding how the Shipping Management Plan and Marine Environment Management Plan have been informed by and updated as a result of ongoing marine monitoring programs.
3. Through the *2023 Annual Report*, the Board noted that an updated version of the Terrestrial Environment Monitoring and Mitigation Plan (TEMMP) is currently being completed and expected to be released in 2024. NIRB Staff are requesting that the Proponent provide the updated TEMMP as part of the 2024 Annual Report to aid parties in evaluating potential impacts and mitigation measures.
4. In review of the *2023 Annual Report*, NIRB Staff noted that the Helicopter Flight information for the Meliadine Project was not provided as part of the *2023 Annual Report*, creating challenges for the Board and Parties to make conclusions regarding potential impacts to wildlife as well as determine the effectiveness of mitigation measures. NIRB Staff are requesting that the 2023 Helicopter flight be included in the 2024 Annual Report along with subsequent years of data in future reports.
5. Through the 2024 Site Visits, NIRB staff noted two areas for improvement in [Section 3.4.1](#) regarding the installation of the waterline along the All Weather Access Road. Some sections of the pipe were raised above the road height which may cause a hazard to equipment and some sections that are uncovered have concrete placed on top but unmarked posing a hazard. NIRB staff discussed these items with Agnico Eagle staff and will be following up on these in subsequent years.

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<sup>4</sup> NIRB Doc ID. 353499

## 4.2 Board Recommendations

In the *2023 Annual report*, the Proponent indicated that it had completed a “Natural Recovery and Active Restoration of Tundra Plant-Soil Systems study in 2022”; however, the results of this work have not yet been used to inform and update the interim closure and reclamation plan for the Meliadine Project.

**Recommendation 1:** Agnico Eagle provide an update within its 2024 Annual Report on the results of their Natural Recovery and Active Restoration of the Tundra Plan Soil Systems study and when they will be incorporated into the Interim Closure and Reclamation plan for the project.

## 5. Conclusion

Pursuant to Sections 12.7.2 and 12.7.3 of the *Nunavut Agreement* and ss. 135(3) and 135(4) of the *NuPPAA*, the NIRB will continue to work with Agnico Eagle and other regulatory authorities in order to provide the required evaluation of monitoring efforts, results and compliance as outlined within the Board’s project-specific monitoring programs and in accordance with the requirements set out in the Meliadine Project Certificate No. 006, Amendment No. 2.

During the 2023-2024 monitoring period, Agnico Eagle demonstrated compliance with the majority of the applicable requirements of the Project Certificate. Further, the Proponent is generally meeting the objectives of monitoring and mitigation plans and procedures put in place for the Project. The Board looks forward to hearing updates from Agnico Eagle, Authorizing Agencies, and other Parties in the coming monitoring year as it continues to track compliance.

Prepared by: Cory Barker, M.Sc.  
Title: Manager, Project Monitoring  
Date: March 20, 2025  
Signature:



Reviewed by: Tara Arko, EP  
Title: Director, Operations  
Date: March 20, 2025  
Signature:



## Appendix A: Compliance with the Meliadine Gold Mine Project Certificate No. 006, Amendment 02

General Responsibilities & Requirements	2022-2023 Compliance	2023-2024 Compliance	NIRB Comment
1. NIRB to appoint Monitoring Officer(s).	Active In Compliance	Active In Compliance	Completed by NIRB and overseen by Manager, Project Monitoring
2. NIRB to report annually on the monitoring program (in English and Inuktitut).	Active In Compliance	Active In Compliance	Completed by NIRB through this report.
3. NIRB to conduct periodic community meetings and updates regarding its Monitoring Program.	Active In Compliance	Active In Compliance	Completed by NIRB in July 2024.
4. NIRB to schedule periodic site visits.	Active In Compliance	Active In Compliance	Completed by NIRB in July 2024.
5. Proponent must obtain and comply with all required federal and territorial permits and other approvals.	Active In Compliance	Active In Compliance	List of active permits and authorizations provided in Section 10.1 of the <i>2023 Annual Report</i> . No non-compliances were reported in 2023. Transport Canada pointed out two approvals from their Navigation Protection Program were not included in the list.
6. Proponent to report any non-compliance as required by law immediately and take prompt and appropriate remedial action.	Active In Compliance	Active In Compliance	A table of inspections and site visits by regulators and the outcome was provided in Section 10.2 of the <i>2023 Annual Report</i> . No non-compliances were noted by any regulator.
7. Posting of adequate performance bonding.	Completed	Completed	Tracked in NWB process under the Water Licence
8. Report methods used to collect and analyze monitoring data and	Active	Active In Compliance	Demonstrated in <i>2023 Annual Report</i>

General Responsibilities & Requirements	2022-2023 Compliance	2023-2024 Compliance	NIRB Comment
include metadata (e.g., date, time, location).	In Compliance		
9. Make significant monitoring results and/or summaries of significant results available in English and Inuktitut, to the extent feasible.	Active In Compliance	Active In Compliance	Appendix 39 of the <i>2023 Annual Report</i> includes summaries of monitoring results in Inuktitut.
10. Maintain the records, including results, of all Project-related monitoring data and analysis for the life of the Project, including closure and post-closure monitoring.	Active In Compliance	Active In Compliance	
11. Maintenance of an up-to-date Environmental Impact Statement and updated environmental monitoring programs developed for the Project as new information is collected.	Active In Compliance	Active In Compliance	
12. Publicly-accessible Project-specific web portal or web page to make available in a central location all significant non-confidential monitoring and reporting information submitted to regulatory authorities	Active In Compliance	Active In Compliance	<a href="https://aemnunavut.ca">Documents – Agnico Eagle Nunavut (aemnunavut.ca)</a> Agnico Eagle has posted copies of key Project documents such as its annual reports for the NIRB, the Project IIBA, the water licences, and active management plans.

General Responsibilities & Requirements	2022-2023 Compliance	2023-2024 Compliance	NIRB Comment
13. Provide ongoing opportunities for consultation and comment on any substantive revisions to the Project-specific monitoring program, modelling, studies, management plans, management measures, and reporting.	Active In Compliance	Active In Compliance	
14. To the extent feasible, the NIRB will provide an opportunity for comment on any substantive revisions to the Project-specific monitoring, modelling, studies, management plans, management measures, and reporting provided by the Proponent under the Project Certificate.	Active In Compliance	Active In Compliance	Comments from parties on compliance and effects monitoring received based on the <i>2023 Annual Report</i> and are available on the NIRB's Public Registry at <a href="http://www.nirb.ca/project/125515">www.nirb.ca/project/125515</a> .

# Meliadine Gold Mine Project Specific Terms & Conditions

Term & Condition	Compliance Achievement 2022-2023	Compliance Achievement 2023-2024	NIRB Comments
<b>AIR QUALITY</b>			
<b>1: Update Air Quality Monitoring Plan</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Meliadine Gold Mine Air Quality Monitoring Plan, Version 3, June 2020.</li> <li>▪ 2023 Air Quality Monitoring Report, Appendix 23 to the <i>2023 Annual Report</i>.</li> </ul>
<b>2: Emissions Monitoring</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ The 2023 Air Quality Monitoring Report, Appendix 23 to the <i>2023 Annual Report</i>, notes that 2023 annual averages for suspended particulates, NO<sub>2</sub>, and SO<sub>2</sub> emissions were below the applicable air quality standards and FEIS maximum predicted values.</li> </ul>
<b>3: Dust Management and Monitoring</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Air Quality Monitoring Plan, Version 3, June 2020.</li> <li>▪ Dust Management Plan, Version 6, June 2020.</li> <li>▪ Along the AWAR and Bypass Road average dustfall rates in 2023 were similar to or less than to those observed previously and less than the AB-Rec guideline.</li> <li>▪ Dust suppressant in the form of calcium chloride dry product was applied along portions of the AWAR in July, and along the full length in August and September 2023.</li> </ul>
<b>4: Incineration Management Plan</b>	Active In Compliance	Active In Compliance	Incineration Management Plan, Version 8 (March 2024).

<b>5: Stack Testing Results</b>	Active Deficient - In Progress	Active In Compliance	<ul style="list-style-type: none"> <li>Stack testing was conducted from September 29 – October 1, 2023 per Incineration Management Plan, Version 8 (March 2024).</li> <li>The average measured concentration of mercury was less than the GN guideline, but the average measured concentration of total dioxins and furans exceeded the guideline. Agnico Eagle is investigating the exceedances.</li> <li>Agnico Eagle noted three samples of incinerator ash in 2023 exceeded the GN's guidelines for arsenic and chromium, which is an improvement compared to 2022 and which the Proponent notes is likely due to improved waste sorting practices improved in 2023.</li> <li>The NIRB is encouraged by these results and looks forward to seeing continued improvement in the 2024 Annual Report.</li> </ul>
<b>6: Dust Suppression Measures at Landfill</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Dust Management Plan Version 6, 2020 states that dust suppression (water) will be applied if necessary during landfill activities such as topping and capping.</li> </ul>
<b>CLIMATE AND METEROLOGY</b>			
<b>7: Calculations of Greenhouse Gas Emissions generated by the Project</b>	Active In Compliance	Active In Compliance	The 2023 Air Quality Monitoring Report notes that calculated greenhouse gas emissions for 2022 were less than the FEIS predicted maximum. Environment Canada's Greenhouse Gas Emissions Reporting Program for the 2023 year were completed by June 1st, 2024.
<b>8: Engage Inuit in initiatives related to climate change when undertaking climate-change related studies and research.</b>	Active In Compliance	Active Deficient - In Progress	Agnico Eagle noted that general discussions related to environmental changes occurred during engagement activities in 2023 however there was no formal tracking. Going forward, Agnico Eagle has committed to reporting on comments received

			or IQ related to climate change from community engagement activities as applicable.
<b>9: Greenhouse Gas Emissions (GHG) Reduction Plan</b>	Active In Compliance	Active In Compliance	Greenhouse Gas Emissions Reduction Plan, Version 1 (Jan 2019).
<b>NOISE AND VIBRATION</b>			
<b>10: Noise and Vibration Abatement Plan</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Noise Abatement and Monitoring Plan, Version 3 (March 2020).</li> <li>TEMMP, Version 4 (April 2022)</li> <li>Agnico Eagle reports in the 2023 Noise Monitoring Report, Appendix 22 of the <i>2023 Annual Report</i> that measurements at all noise monitoring stations in 2023 were less than FEIS predictions, noise monitoring criteria, and/or design targets as applicable.</li> </ul>
<b>11: Noise and Vibration Monitoring at Accommodation Sites.</b>	Active In Compliance	Active Deficient - In Progress	<p>Agnico Eagle's Noise Abatement and Monitoring Plan (v3, 2020) describes various measures to minimize noise on site and provides details on where and how noise is monitored.</p> <p>In its review of the Proponent's <i>2022 Annual Report</i> and the <i>2023 Annual Report</i>, Health Canada raised concern about the absence of a nighttime noise monitoring station close to camp accommodations. Agnico Eagle responded in 2024 that additional noise monitoring will be conducted within Meliadine dwelling spaces and an analysis provided in the 2024 Annual Report.</p>
<b>TERRESTRIAL ENVIRONMENT</b>			
<b>12: Conduct Permafrost Mapping and Monitoring</b>	Active Deficient - In Progress		<ul style="list-style-type: none"> <li>Permafrost monitoring results provided in the 2023 Geotechnical Inspection Report (Appendix 6 of the <i>2023 Annual Report</i>).</li> <li>In response to a request from CIRNAC last year for additional information on permafrost degradation, this year's</li> </ul>

			geotechnical inspection report includes commentary on areas where permafrost degradation has been observed and where it has not.
<b>13: Undertake geotechnical investigations to identify sensitive landforms, support engineering, and develop mitigation to minimize impacts on sensitive landforms.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Environmental Management and Protection Plan, Version 9 (March 2019).</li> <li>Appendix 6: 2023 Geotechnical Inspection Report</li> <li>Appendix 7 and 8: 2022 and 2023 Annual Geotechnical Report Agnico Eagle Responses and Actions Table.</li> </ul>
<b>14: Conduct thermal analysis to support dike and Tailings Storage Facility design.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Appendix 6: 2023 Annual Geotechnical Inspection Report</li> <li>Appendix 7 and 8: 2022 and 2023 Annual Geotechnical Report Agnico Eagle Responses and Actions Table.</li> </ul>
<b>15: Assess potential failure of Tailings Storage Facility</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Risk Management and Emergency Response Plan, Version 4 (April 2015).</li> <li>Interim Closure and Reclamation Plan Rev 4 (ICRP; December 2022).</li> </ul>
<b>16: Finalize and implement an Erosion Management Plan</b>	Active In Compliance	Active In Compliance	Sediment and Erosion Management Plan (Version 4, March 2024).
<b>17: Monitor permafrost integrity</b>	Active Deficient - In Progress		<ul style="list-style-type: none"> <li>Appendix 6: 2023 Geotechnical Inspection Report.</li> <li>In response to a request from CIRNAC last year for additional information on permafrost degradation, this year's geotechnical inspection report includes commentary on areas where permafrost degradation has been observed and where it has not.</li> </ul>

<b>18: As-built Drawings and Final Design Plans</b>	Active In Compliance	Active In Compliance	<p>Agnico Eagle noted in the <i>2023 Annual Report</i> that in 2023 and early 2024 they submitted the following Construction Summary (As-Built) Reports to the NWB:</p> <ul style="list-style-type: none"> <li>▪ Ore Storage Pad 2 (OP2) (Stage 2) on April 14th, 2023;</li> <li>▪ Channel 2 Berm on August 2nd, 2023;</li> <li>▪ Jetty- Collection Pond (CP)1 and Jetty-CP5 Upgrade on November 1st, 2023;</li> <li>▪ CP6 Ramp Extension on March 18th, 2024; and</li> <li>▪ Landfill Stage 4 Berm Raise on March 18th, 2024.</li> </ul> <p>The Construction Summary (As-Built) Report for the replacement of the Itivia Culvert was to be submitted to the NWB in April 2024. Plans and specs of WRSF and TSF found in Appendices 11 and 12, respectively of the <i>2023 Annual Report</i>.</p>
<b>19: Monitor thermal and structural condition of Tailings Storage Facility and Waste Rock Storage Facility</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Monitoring program described in Section 9 of the Mine Waste Management Plan, Version 11 (March 2024).</li> <li>▪ Results of stability and thermal monitoring summarized in 2023 Geotechnical Inspection Report (Appendix 6).</li> </ul>
<b>20: Closure and Reclamation Plan</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Interim Closure and Reclamation Plan (Version 4, 2022).</li> <li>▪ Progressive reclamation activities at the Tailings Storage Facility continued through 2023.</li> <li>▪ <b>Note:</b> The NIRB expects the Interim Closure and Reclamation Plan to be updated with findings of the 2018-2022 tundra restoration research project (see T&amp;C's 41 and 42).</li> </ul>
<b>21: Waste Management Plan for Project landfills.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Landfill and Waste Management Plan, Version 8 (April 2022).</li> <li>▪ A summary of waste management activities was provided in Section 5 of the <i>2023 Annual Report</i>.</li> </ul>

<b>GEOLOGY AND GEOCHEMISTRY</b>			
<b>22: Report on adaptations to the Mine Waste Management Plan and practices based on results obtained through monitoring.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Geochemical monitoring of the Tailings Storage Facility and Waste Rock Storage Facility described in Section 9 of the Mine Waste Management Plan, Version 11 (March 2024).</li> <li>Results in 2023 Metal Leaching and Acid Rock Drainage Monitoring Report (Appendix 9 of the <i>2023 Annual Report</i>).</li> </ul>
<b>23: Mine Waste Management Plan – Discovery Deposit.</b>	Not Yet Active Not Yet Applicable	Not Yet Active Not Yet Applicable	As Agnico Eagle prepares for the development of the Discovery area, the NIRB reminds the Proponent of requirements related to Term and Condition 23.
<b>GROUNDWATER AND HYDROGEOLOGY</b>			
<b>24: Collect data to better refine groundwater flows.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>The Proponent submitted the results of its 2015 hydrogeological investigations in 2016. Agnico Eagle indicated an updated summary of hydrogeology existing conditions report was completed in 2024.</li> <li>Section 3 of the Groundwater Management Plan, Version 11 (March 2024) provides details of the ongoing monitoring program.</li> </ul>
<b>25: Develop a Groundwater Management Plan with adaptive management strategies for management of saline groundwater.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Groundwater Management Plan, Version 11 (March 2024)</li> <li>Adaptive Management Plan for Water Management, Version 2 (May 2022).</li> <li>Agnico Eagle noted in response to a comment from CIRNAC on the <i>2021 Annual Report</i> that the Adaptive Management Plan will take effect upon the operation of the waterline.</li> <li>25e: The NIRB would appreciate more details on consultation with parties and incorporation of Inuit Qaujimajatuqangit as the Adaptive Management Plan becomes active</li> </ul>
<b>26: Analyze Pit Refill Rates</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Groundwater monitoring data are collected and regularly used to verify and calibrate modelling per the Groundwater</li> </ul>

			<p>Management Plan, Version 11 (March 2024) and Water Management Plan, Version 14 (March 2024).</p> <ul style="list-style-type: none"> <li>Predicted groundwater inflow rates to the Tiriganiaq mine (TIRI02) were updated in 2024 to reflect an updated mine plan scenario and groundwater inflow monitoring data.</li> </ul>
<b>HYDROLOGY AND SEDIMENTS</b>			
<b>27: Aquatic Effects Monitoring Plan (AEMP) including surface water, snowpack and dustfall monitoring.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Aquatics Effects Monitoring Program (AEMP) Design Plan Version 2_NWB (December 2022).</li> <li>Air Quality Monitoring Plan, Version 3 (June 2020).</li> <li>2023 AEMP Report, Appendix 17 of the <i>2023 Annual Report</i>.</li> <li>2023 Air Quality Monitoring Report, Appendix 23 of the <i>2023 Annual Report</i>.</li> </ul>
<b>28: Sediment and Erosion Management Plan</b>	Active In Compliance	Active In Compliance	<p>Sediment and Erosion Management Plan (Version 4, March 2024).</p> <p>In 2023 sediment and erosion monitoring was conducted ahead of and during freshet at Itivia and at crossings along the AWAR and Bypass Road and during construction of the waterlines. ESC was installed near waterbodies with potential fish habitat before the waterlines construction began.</p> <p>ESC measures were also employed at Itivia culvert MEL-SR-1 in June 2023 following a heavy rainfall event that led to culvert failure and exceedance of Total Suspended Solids (TSS) (see Appendix 14 of the <i>2023 Annual Report</i>).</p>
<b>29: Monitor and maintain culverts and other water infrastructure</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Sediment and Erosion Management Plan, Version 4 (March 2024)</li> <li>Freshet Management Plan Version 8_NWB (March 2023).</li> <li>Roads Management Plan, Version 10 (March 2024).</li> </ul>

			Several culverts were slated for replacement in 2024 to ensure fish passage. Agnico Eagle noted these will be reported on in the 2024 Annual Report.
<b>FRESHWATER AQUATIC ENVIRONMENT</b>			
<b>30: Aquatic Effects Monitoring Plan (AEMP) to include, at a minimum info related to reference lakes, sedimentation, and fish tissue testing</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Aquatics Effects Monitoring Program (AEMP) Design Plan Version 2_NWB (December 2022).</li> <li>2023 AEMP Report, Appendix 17 of the <i>2023 Annual Report</i>.</li> </ul>
<b>31: Maintain setback distance between project quarries and fish-bearing or permanent water bodies</b>	Active In Compliance	Active In Compliance	Borrow Pits and Quarries Management Plan, Version 6 (March 2018) commits to maintaining a setback of at least 31 m from watercourses where possible.
<b>32: Site Drainage and Silt Control Plan</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Water Management Plan, Version 14 (March 2024).</li> <li>Sediment and Erosion Management Plan (Version 4, March 2024).</li> <li>Roads Management Plan, Version 10 (March 2024).</li> </ul>
<b>33: Meet or exceed guidelines set by Fisheries and Oceans Canada for blasting</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>2023 Blast Monitoring Report, Appendix 21 of the <i>2023 Annual Report</i>.</li> <li>No exceedances occurred in 2023.</li> </ul>
<b>34: Watercourse infrastructure shall not prevent or limit fish passage.</b>	Active Deficient - In Progress	Active In Compliance	Agnico Eagle confirmed three culverts are being replaced in 2024. A Request for Review was submitted to DFO to approve these works, and the agency issued a Letter of Advice in February 2024. Additionally, a fish habitat assessment along the AWAR will be conducted and reported on in the 2024 Annual Report.
<b>VEGETATION</b>			
<b>35: Minimize Project Footprint</b>	Active In Compliance	Active In Compliance	Direct habitat loss is assessed every three years. Direct habitat loss was last assessed in 2021. At that time, the project footprint was

			38% (633 ha) of the total approved footprint (1,682 ha). The NIRB looks forward to the next assessment in 2024.
<b>36: Invasive Species – Vehicle Inspections</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ <i>2023 Annual Report</i> Section 10.4 noted that all equipment and bulk supplies arrive at the site free of soil and plant debris.</li> <li>▪ Appendix 25: 2023 TEMMP Report, Appendix A: 2023 Shipping Inspection Forms</li> </ul>
<b>37: Monitoring for invasive species</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Non-native plant surveys were completed along the length of the AWAR in August 2023. No non-native invasive plant species occurrences were observed.</li> <li>▪ Appendix 25: 2023 TEMMP Report, Appendix B: Non-Native and Invasive Species in Nunavut</li> </ul>
<b>38: Monitor metal concentrations in vegetation</b>	Active Deficient - In Progress	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Baseline metals concentrations in vegetation and soils were measured in 2008 and 2009.</li> <li>▪ Per the Vegetation Health Program contained within the Terrestrial Environment Management and Monitoring Plan (TEMMP), Version 4 (April 2022), soil and vegetation sampling for metals are conducted every three years.</li> <li>▪ Lichen and vascular plant sampling last completed in 2022.</li> <li>▪ Trends in monitoring results from 2017, 2019 and 2022 are discussed in Section 7.10 of the <i>2023 Annual Report</i>.</li> </ul>
<b>39: Monitor distribution, abundance and health of vegetation</b>	Active Deficient - In Progress	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Direct habitat loss, vegetation health monitoring, and non-native plant surveys are conducted per the Terrestrial Environment Management and Monitoring Plan (TEMMP), Version 4 (April 2022).</li> <li>▪ Results are reported in the 2023 TEMMP report, Appendix 25 of the <i>2023 Annual Report</i>.</li> </ul>
<b>40: Vegetation – Adaptive Management</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Objectives and thresholds are identified in the TEMMP, Version 4 (April 2022).</li> </ul>

			<ul style="list-style-type: none"> <li>▪ The Proponent noted in the <i>2023 Annual Report</i> that there is no clear trend in arsenic levels in soil proximity to the project site and note additional monitoring is planned for 2024.</li> <li>▪ <b>Note:</b> The NIRB supports enhanced monitoring over the next several years.</li> </ul>
<b>41: Develop a progressive revegetation program for disturbed areas.</b>	Active In Compliance	Active Deficient – In Progress	<ul style="list-style-type: none"> <li>▪ Agnico Eagle completed the Natural Recovery and Active Restoration of Tundra Plant-Soil Systems study in 2022.</li> <li>▪ <b>Note:</b> The NIRB expects to see the Interim Closure and Reclamation Plan (Version 4, 2022) to be updated based on results from this research project, lessons learned from elsewhere, and Inuit Qaujimajatuqangit.</li> </ul>
<b>42: Vegetation – Closure and Reclamation plan</b>	Not Yet Active Not Yet Applicable	Active Deficient – In Progress	<ul style="list-style-type: none"> <li>▪ The NIRB expects updated and final closure plans to provide greater detail on revegetation plans and knowledge learned from its research at Meliadine and at other Nunavut sites and incorporation of Inuit Qaujimajatuqangit.</li> </ul>
<b>TERRESTRIAL WILDLIFE AND WILDLIFE HABITAT</b>			
<b>43: Maintain a Terrestrial Environment Management and Monitoring Plan (TEMMP) with clear thresholds</b>	Active Deficient - In Progress	Active In Compliance	<ul style="list-style-type: none"> <li>▪ TEMMP, Version 4 (April 2022). Action thresholds are identified in Section 4.2.</li> <li>▪ Appendix 32 of the <i>2023 Annual Report</i> indicates the revision of the TEMMP and thresholds were discussed with the TAG in 2023, with a draft Plan provided in late 2023 and early 2024 for review. Agnico Eagle expects Version 5 of the TEMMP will be submitted to the NIRB in 2024 pending agreement from all members.</li> <li>▪ <b>Note:</b> As the Terrestrial Advisory Group (TAG) is recently established, the NIRB recommends the Proponent include in version 5 an update on the process for revising the TEMMP.</li> </ul>

			<ul style="list-style-type: none"> <li>▪ <b>Note:</b> The NIRB looks forward to seeing a clear depiction of any revision to thresholds within the updated TEMMP.</li> </ul>
<b>44: Develop a Caribou monitoring program. Revise the 2021 Technical Memorandum “Collared Caribou Meliadine AWAR Interactions.”</b>	Active Non-compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ TEMMP, Version 4 (April 2022).</li> <li>▪ 2023 TEMMP Report included as Appendix 25 of the <i>2023 Annual Report</i></li> <li>▪ On April 22, 2022, Agnico Eagle submitted a technical memorandum titled “Revised Collared Caribou Meliadine AWAR Interactions (NIRB PC 006 T&amp;C 44).”</li> <li>▪ <i>The Commitment 38 Analysis - Caribou Movements Relative to Meliadine Mine and Other Factors</i> was submitted to the TAG in June 2023 and an Addendum to this submitted in February 2024.</li> <li>▪ Agnico Eagle will continue to discuss the Commitment 38 Analysis with the TAG.</li> </ul>
<b>45: Cooperate with existing and planned regional and/or community-based monitoring programs for terrestrial wildlife and habitat, especially regional studies of Qamanirjuaq caribou.</b>	Active Deficient - In Progress	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Agnico Eagle has indicated that yearly contributions of \$150,000 were made between 2017 and 2019 per a MOU between Agnico Eagle and the GN.</li> <li>▪ Agnico Eagle confirmed that the Data and Sample Sharing Agreement was signed with the Government of Nunavut in March 2023 to replace the previous MOU.</li> </ul>
<b>46: Hunter Harvest Survey</b>	Active In Compliance	Active In Compliance	<p>See also Term and Condition #105.</p> <ul style="list-style-type: none"> <li>▪ The Hunter Harvest Survey was implemented in 202 and continued through 2023.</li> <li>▪ Results of the 2023 Hunter Harvest Survey presented in the 2023 TEMMP Report (Appendix 25 of the 2023 Annual Report).</li> </ul>

			<ul style="list-style-type: none"> <li>Results are presented for 2020-2023 and compared to results from 1996-2001 from the Nunavut Wildlife Management Board.</li> <li>The 2023 Hunter Harvest Survey included 56 participants (compared to 44 in 2022 and 40 in 2021).</li> <li>Agnico Eagle has indicated threshold levels for monitoring the effects of Mine development on caribou harvest will be set after three years of data collection (i.e., after 2023). The NIRB looks forward to an update in the 2024 Annual Report.</li> </ul>
<b>47: Share caribou monitoring data with the Government of Nunavut</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Agnico Eagle confirmed that the Data and Sample Sharing Agreement was signed with the Government of Nunavut in March 2023.</li> </ul>
<b>48: Develop a Road Access Management Agreement that specifies when public access to the AWAR will be restricted</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Road Access Management Agreement Conditions in the Roads Management Plan, Version 10 (March 2024).</li> </ul>
<b>49: Ensure proper permitting through Nunavut Research Institute (NRI)</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>In 2023, no research activities were undertaken that would trigger the requirement for a scientific research licence under the <i>Nunavut Scientists Act</i>.</li> </ul>
<b>50: Develop a strategy for progressive recovery of terrestrial wildlife habitat</b>	Active In Compliance	Active Deficient -In Progress	<ul style="list-style-type: none"> <li>Agnico Eagle completed the Natural Recovery and Active Restoration of Tundra Plant-Soil Systems study in 2022.</li> <li>The results of this research and those from other mine sites in Nunavut have not yet been incorporated into the Interim Closure and Reclamation Plan.</li> </ul>
<b>51: Minimize helicopter disturbance in Iqalugaaruup Nunanga Territorial Park.</b>	Active In Compliance	Active Deficient – In Progress	<ul style="list-style-type: none"> <li>See the response to Terms and Conditions #69 and #70.</li> <li>The Wildlife Protection and Response Plan, Version 8 (January 2019) is included as Appendix III of the TEMMP Version 4 and includes the Air Traffic Management Plan.</li> </ul>

			<ul style="list-style-type: none"> <li>▪ The Proponent did not include any details about the numbers, routes or altitudes of flights serving the Project in their <i>2023 Annual Report</i>.</li> </ul>
<b>52: Regional muskox monitoring programs</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ No surveys were completed by the GN in 2023 and in-kind contributions were not requested.</li> </ul>
<b>53: Conduct furbearer den surveys prior to construction</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ The 2023 TEMMP Report states that seven historical fox dens were revisited in 2023; no sign of activity was observed. Four new fox den locations were found in 2023: three were active with Arctic fox and one was active with Arctic ground squirrel (sik sik).</li> <li>▪ Mitigation measures are outlined in Appendix A of the 2023 TEMMP report.</li> </ul>
<b>54: Ensure Project infrastructure does not interfere with movement of wildlife.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ TEMMP, Version 4 (April 2022).</li> <li>▪ Roads Management Plan, Version 10 (March 2024).</li> <li>▪ The <i>2023 Annual Report</i> notes that all sections of the waterline installed to date have been covered by material to ensure passage and that waterline construction was paused during the 2023 caribou migration.</li> </ul>
<b>55: Monitor wildlife mortality</b>	Active Deficient - In Progress	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Thresholds for wildlife mortality are stated in the TEMMP, Version 4 (April 2022).</li> <li>▪ Section 9.5 of the 2023 TEMMP Report notes that a total of eight mortalities occurred in 2023: 1 Arctic fox, 1 raven, 3 Arctic ground squirrels, 1 Arctic Hare, 1 unknown avian species, and 1 warbler.</li> <li>▪ No thresholds were exceeded in 2023.</li> <li>▪ A bear safety site audit report completed in April 2023 led to actions being undertaken to reduce wildlife attractants at site and ensure the safety of site personnel and local wildlife.</li> </ul>

<b>56: Terrestrial Monitoring Reporting</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>2023 TEMMP Report, Appendix 2025 of the <i>2023 Annual Report</i></li> </ul>
<b>57: Examine trends in natural variability of each VEC, analyze wildlife responses to the Project, assess cumulative effects, and identify adaptive management actions.</b>	Active Deficient - In Progress	Active Deficient - In Progress	<ul style="list-style-type: none"> <li>The <i>2023 Annual Report</i> including the 2023 TEMMP Report included preliminary trend analyses where possible (where sufficient data exists). It does not include an analysis of cumulative effects though it is noted that ongoing monitoring programs will assist with understanding cumulative effects.</li> <li>In response to a comment from the KivIA on the <i>2023 Annual Report</i>, Agnico Eagle indicated it will work with the TAG to discuss how monitoring results can be used to assess cumulative effects.</li> </ul>
<b>BIRDS AND BIRD HABITAT</b>			
<b>58: Migratory Bird Awareness</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Wildlife Protection and Response Plan, Version 8 (January 2019).</li> </ul>
<b>59: Birds – Species at Risk Nesting</b>	Active In Compliance	Active In Compliance	TEMMP, Version 4 (April 2022) provides details on bird protection setback distances.
<b>60: Birds – Species at Risk Regular Updates</b>	Active In Compliance	Active Deficient - In Progress	<ul style="list-style-type: none"> <li>TEMMP, Version 4 (April 2022).</li> <li>2023 Arctic Raptors Research Program Report, Appendix D of the 2023 TEMMP Report.</li> <li>Shipping Management Plan, Version 9 (March 2022) includes the Revised Marine Environmental Baseline Report (2016) as Appendix B.</li> </ul> <p><b>Note:</b> The NIRB recommends future versions of the TEMMP and Shipping Management Plan be updated to include a summary table of SAR known to occur or potentially occurring with the Project area, and including the most current status rankings and reference to other relevant plans and reports as appropriate.</p>

<b>61: Construction and clearing activities – deterrents and checks for nests before disturbance</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Agnico Eagle’s 2023 TEMMP Report describes the use of deterrents at site to deter birds from nesting at various locations and also describes the pre-clearing surveys conducted in 2023.</li> </ul>
<b>62: Establish setbacks from any nests found.</b>	Active In Compliance	Active In Compliance	TEMMP, Version 4 (April 2022) setback distances for nests where mining activities were active.
<b>63: Report bird mortalities to ECCC (Canadian Wildlife Services).</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Shipping Management Plan, Version 9 (March 2022), Appendix D: Marine Environment Management Plan (March 2017).</li> <li>▪ 2023 Marine Mammal and Seabird Observation Report, Appendix 27 of the <i>2023 Annual Report</i>.</li> <li>▪ No vessel strikes with marine birds were reported in 2023.</li> </ul>
<b>64: Monitoring framework for monitoring marine birds and bird habitat in the event of a major marine fuel spill.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Shipping Management Plan, Version 9 (March 2022), Appendix D: Marine Environment Management Plan (March 2017).</li> </ul>
<b>65: Reduced vessel speeds are used to minimize wakes.</b>	Active In Compliance	Active In Compliance	Shipping Management Plan, Version 9 (March 2022).
<b>66: Marine Shipping – Check vessels for suspected bird strikes</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Meadowbank and Meliadine Project Seabird Monitoring Standard Operating Procedure, July 2023.</li> <li>▪ 2023 Marine Mammal and Seabird Observation Report, Appendix 27 of the <i>2023 Annual Report</i>.</li> <li>▪ No vessel strikes of seabirds were reported in 2023.</li> </ul>
<b>67: Updated Oil Pollution Prevention Plan</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Oil Pollution Emergency Plan and Oil Pollution and Prevention Plan, Version 9 (July 2023).</li> <li>▪ Marine Environment Management Plan (March 2017), Appendix D of the Shipping Management Plan.</li> </ul>

<b>68: Consider potential cumulative effects of other projects and shipping activities on marine birds in the Hudson Strait.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>2023 Marine Mammal and Seabird Observation Report, Appendix 27 of the <i>2023 Annual Report</i>.</li> <li>Appendix 29 of the <i>2022 Annual Report</i>: Technical analysis on understanding potential cumulative effects of shipping to the Meliadine Mine (March 2023).</li> </ul>
<b>69: Flight altitude requirements – horizontal and vertical distances</b>	Active In Compliance	Active – Deficient In progress	<ul style="list-style-type: none"> <li>See the response to Terms and Conditions #51 and #70.</li> <li>The Wildlife Protection and Response Plan, Version 8 (January 2019) is included as Appendix III of the TEMMP Version 4 and includes the Air Traffic Management Plan.</li> <li>The Proponent did not include any details about the numbers, routes or altitudes of flights serving the Project in their <i>2023 Annual Report</i>.</li> </ul>
<b>70: Flight altitude requirements – flight record log</b>	Active In Compliance	Active Deficient In progress	<ul style="list-style-type: none"> <li>See the response to Terms and Conditions #51 and #69.</li> <li>The Wildlife Protection and Response Plan, Version 8 (January 2019) is included as Appendix III of the TEMMP Version 4 and includes the Air Traffic Management Plan.</li> <li>The Proponent did not include any flight logs nor a summary of the number, routes or altitudes of flights serving the Project in their <i>2023 Annual Report</i>.</li> </ul>
<b>71: Develop detailed and robust mitigation and monitoring plans for migratory birds</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>TEMMP, Version 4 (April 2022).</li> <li>2023 TEMMP Report, Appendix 25 of the <i>2023 Annual Report</i>.</li> </ul> <p>Note: The NIRB looks forward to the forthcoming release of an updated TEMMP.</p>
<b>72: Monitoring with key indicators in the TEMMP and EPP</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>TEMMP, Version 4 (April 2022).</li> <li>Shipping Management Plan, Version 9 (March 2022).</li> </ul>

<b>73: Monitor and report on terrestrial habitat losses.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Direct habitat loss was last assessed in 2021; the project footprint is currently at 38% (633 ha) of the total approved footprint (1,682 ha). Details provided in the 2021 TEMMP Report.</li> <li>Also, see the response to Term and Condition #35.</li> </ul>
<b>74: Measures to prevent use of water attenuation ponds by waterfowl and waterbirds.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>TEMMP, Version 4 (April 2022)</li> <li>Agnico Eagle's 2023 TEMMP Report describes use of deterrents to keep birds from nesting near the ponds.</li> </ul>
<b>75: Mitigation measures and monitoring programs to limit the attraction of predators and scavengers to the Project.</b>	Active Deficient - In Progress	Active In Compliance	<ul style="list-style-type: none"> <li>TEMMP, Version 4 (April 2022).</li> <li>Landfill and Waste Management Plan, Version 8 (April 2022).</li> <li>A wildlife safety audit report completed in April 2023 led to actions being undertaken to reduce wildlife attractants at site and ensure the safety of site personnel and local wildlife.</li> <li>See also the response to T&amp;C 55.</li> </ul>
<b>MARINE ENVIRONMENT</b>			
<b>76: Update all Relevant Plans for the Marine Environment</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Shipping Management Plan, Version 9 (March 2022).</li> <li>Marine Environment Management Plan (March 2017).</li> <li>Spill Contingency Plan, Version 15 (March 2024).</li> <li>Oil Pollution Emergency Plan and Oil Pollution and Prevention Plan, Version 9 (July 2023).</li> </ul>
<b>77: Spill Equipment and Training.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Shipping Management Plan, Version 9 (March 2022).</li> <li>Agnico Eagle held a mock spill training course (Appendix 16: 2023 Mock Spill Scenario Report).</li> </ul>
<b>78: Conduct fuel spill dispersion modelling</b>	Active In Compliance	Active In Compliance	Shipping Management Plan, Version 9 (March 2022).
<b>MARINE WILDLIFE</b>			

<b>79: Updated Baseline for Shipping Management Plan</b>	Active In Compliance	Active In Compliance	Shipping Management Plan, Version 9 (March 2022), Appendix E. <b>Note:</b> This baseline report is from 2016. The Proponent should consider updating this report as well as the Shipping Management Plan and Marine Environmental Management Plan with marine monitoring data that has been collected in the years since.
<b>80: Baseline Information for Melvin Bay</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Shipping Management Plan, Version 9 (March 2022). Appendix B: Revised Marine Environmental Baseline Report (2016).</li> <li>2023 Marine Mammal and Seabird Observation Report, Appendix 27 to the <i>2023 Annual Report</i></li> </ul>
<b>81: Mitigation and Monitoring for Marine Species</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Shipping Management Plan, Version 9 (March 2022).</li> <li>Marine Environment Management Plan (March 2017).</li> </ul>
<b>82: Conduct ship-based marine wildlife monitoring</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Shipping Management Plan, Version 8 (March 2019).</li> <li>2023 Marine Mammal and Seabird Observation Report, Appendix 27 to the <i>2023 Annual Report</i></li> <li>Marine Mammal Monitoring SOP, Appendix B of the 2023 Marine Mammal and Seabird Observation Report</li> </ul> <p><b>Note:</b> The NIRB acknowledges DFO's comment that the Proponent's ship-based monitoring is not of sufficient frequency and encourages Agnico Eagle to continue working with DFO on this matter.</p>
<b>83: Minimize marine mammal interactions (e.g., give wildlife the right way).</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Shipping Management Plan, Version 8 (March 2019).</li> <li>Marine Environment Management Plan (March 2017).</li> <li>2023 Marine Mammal and Seabird Observation Report, Appendix 27 to the <i>2023 Annual Report</i></li> </ul>

<b>84: Plan shipping routes to avoid terrestrial walrus haulouts.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Shipping Management Plan, Version 8 (March 2019).</li> <li>Marine Environment Management Plan (March 2017).</li> <li>2023 Marine Mammal and Seabird Observation Report, Appendix 27 to the <i>2023 Annual Report</i>.</li> <li>Vessel captains are reminded regularly about the importance of staying away from sensitive habitats.</li> </ul>
<b>85: Monitor Disturbance to Walruses</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Marine Mammal Monitoring SOP, Appendix B of the 2023 Marine Mammal and Seabird Observation Report.</li> <li>Local community wildlife monitors are employed on barges between Helicopter Island and Baker Lake.</li> <li>No observations of walrus were reported in the 2023 Marine Mammal and Seabird Observer Report.</li> </ul>
<b>86: Consider cumulative effects on marine wildlife in the region</b>	Active In Compliance	Active In Compliance	Appendix 29 of the <i>2022 Annual Report</i> : Technical analysis on understanding potential cumulative effects of shipping to the Meliadine Mine (March 2023).
<b>ECONOMIC DEVELOPMENT, CONTRACTING, AND BUSINESS OPPORTUNITIES</b>			
<b>87: Participate in the work of the Kivalliq Socio-Economic Monitoring Committee along with other agencies and the communities for a collaborative monitoring framework</b>	Active In Compliance	Active In Compliance	The Proponent participates in the Kivalliq Socio-Economic Monitoring Committee (SEMC).
<b>88: Establish a socio-economic working group for the Project</b>	Active In Compliance	Active In Compliance	Terms of Reference for the Agnico Kivalliq Projects Socio-Economic Working Group (SEWG) was provided in 2020.
<b>89: Meliadine Socio-economic Monitoring Program</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Agnico Eagle Kivalliq Projects Socio-Economic Monitoring Program, Version 4 (March 2022).</li> </ul>

			<ul style="list-style-type: none"> <li>Appendix 35: 2023 Socio-Economic Monitoring Program Report.</li> </ul>
<b>90: Analyze risk of temporary mine closure.</b>	Active In Compliance	Active In Compliance	Analysis of the Risk of Temporary Mine Closure (February 2019).
<b>91: Updated Socio-Economic Management Plan After Risk Plan Submitted.</b>	Active Deficient - In Progress	Active Deficient - In Progress	<ul style="list-style-type: none"> <li>The Proponent submitted an Analysis of the Risk of Temporary Mine Closure in February 2019 and subsequently a conceptual Socio-Economic Closure Plan.</li> <li>In response to last year's comment from the Board, Agnico Eagle stated that the Agnico Eagle Kivalliq Projects Socio-Economic Monitoring Program will be updated two (2) years prior to closure to include data collection, analysis, and mitigation measures for potential socio-economic impacts in the closure and post-closure phases.</li> </ul>
<b>EMPLOYMENT</b>			
<b>92: Employment Schedule</b>	Active In Compliance	Active In Compliance	Sent by email to NIRB November 5, 2015 (NIRB Doc ID. 325135). Agnico Eagle confirmed in their response to CIRNAC's comments on the <i>2023 Annual Report</i> that no updates were warranted as a result of the Saline Effluent Discharge proposal.
<b>93: Register all trades occupations, journeypersons and apprentices</b>	Active In Compliance	Active In Compliance	As summarized in the <i>2023 Annual Report</i> , currently there are nine (9) trade offerings at the Project site. In 2023 one (1) employee completed its apprenticeship hours and training and is awaiting certification while three (3) apprentices went to technical training. At Meliadine, there are currently 3 heavy duty equipment technician apprentices and 1 carpenter apprentice.
<b>94: Labour Force Analysis</b>	Active In Compliance	Active In Compliance	The 2021 Kivalliq Labour Market Analysis Report was presented in Appendix 39 of the 2021 Annual Report and Appendix 39 of the 2022 Annual Report. The analysis is to be done every three (3) years, with the next update to be performed in 2024.

<b>EDUCATION AND TRAINING</b>			
<b>95: Transferable Skills and Certifications</b>	Active In Compliance	Active In Compliance	Appendix 34: 2023 Socio-Economic Monitoring Program Report, Section 4.
<b>96: Listing of formal certificates and licences that may be acquired via on-site training or training during Project employment</b>	Active In Compliance		The listing of formal certificates and licenses was sent to the NIRB on November 7, 2018, and there have not been any updates since.
<b>97: Monitor potential impacts of closure on education and training</b>	Active In Compliance	Active In Compliance	Analysis of the Risk of Temporary Mine Closure (February 2019).
<b>98: Monitor impacts on education</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Appendix 34: 2023 Socio-Economic Monitoring Program Report</li> </ul>
<b>POPULATION DEMOGRAPHICS</b>			
<b>99: Monitor Demographic Changes</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Appendix 34: 2023 Socio-Economic Monitoring Program Report</li> <li>Also, see Term and Condition #101.</li> </ul>
<b>100: Voluntary survey offered to Nunavummiut employees.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Appendix 34: 2023 Socio-Economic Monitoring Program Report, Appendix E</li> <li>In 2023, the Inuit and Nunavummiut Employment Survey was also renamed to "Tukisigiaqniq," which translates to "Better understanding" in Inuktitut to align the name of the survey with the objectives of the survey while honouring local culture.</li> <li>Also, see Term and Condition #113.</li> </ul>
<b>101: Monitor employee origin</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Appendix 34: 2023 Socio-Economic Monitoring Program Report</li> <li>Also, see Term and Condition #99.</li> </ul>
<b>TRADITIONAL ACTIVITY AND KNOWLEDGE</b>			

<b>102: Provide detailed design details of Meliadine Lake Community Boat Launch showing consideration for public and worker safety</b>	Not Yet Active Not Yet Applicable	Not Yet Active Not Yet Applicable	As Agnico Eagle prepares for the development of the Discovery area, the NIRB reminds the Proponent of requirements related to Term and Condition 102.
<b>103: Community Input into Monitoring plans, programs, and mitigative measures.</b>	Active Deficient - In Progress	Active In Compliance	<ul style="list-style-type: none"> <li>▪ The Terrestrial Advisory Group (TAG) includes members from local HTOs, the KivIA, the Kivalliq Elders Advisory Committee (KEAC), and other Parties, and meets through the year to discuss the Terrestrial Environment Mitigation and Monitoring Plan (TEMMP) including any recommendations for updates.</li> <li>▪ The KEAC was formed in 2021 with the purpose of incorporating IQ, ISV and community knowledge into various plans and programs. A summary of 2023 activities is provided in the Annual Report.</li> <li>▪ During the Waterlines Amendment, the NIRB heard the importance of a feedback mechanism for consulting with residents of the Kivalliq. The NIRB requests that this is more explicitly described within future Annual Reports, as it is not clear whether this mechanism was fulfilled or whether Rankin Inlet residents have many opportunities for feedback.</li> </ul>
<b>NON-TRADITIONAL LAND USE AND RESOURCE USE</b>			
<b>104: Consultation with Outfitting and Guiding Businesses</b>	Active Deficient - In Progress	Active In Compliance	<ul style="list-style-type: none"> <li>▪ In 2023, meetings were held with KHTO members, who provided information on active outfitting and guiding businesses in Rankin Inlet. Outfitters and guides were contacted by email, house visits, and/or text messaging. In 2023, one outfitter participated in the HHS.</li> <li>▪ Also, see Term and Condition #105.</li> </ul>

<b>105: Hunter Harvest Survey</b>	Active Deficient - In Progress	Active In Compliance	<ul style="list-style-type: none"> <li>▪ The Hunter Harvest Survey was implemented in 202 and continued through 2023.</li> <li>▪ Results of the 2023 Hunter Harvest Survey presented in the 2023 TEMMP Report (Appendix 25 of the 2023 Annual Report).</li> <li>▪ Results are presented for 2020-2023 and compared to results from 1996-2001 from the Nunavut Wildlife Management Board.</li> <li>▪ The 2023 Hunter Harvest Survey included 56 participants (compared to 44 in 2022 and 40 in 2021).</li> <li>▪ See also Term and Condition #46 and #104.</li> </ul>
<b>CULTURAL, ARCHAEOLOGICAL, AND PALEONTOLOGICAL RESOURCES</b>			
<b>106: Inspection Reporting for Freshet at Bridge Crossings</b>	Active In Compliance	Active In Compliance	Section 7.5 of the <i>2023 Annual Report</i> describes the inspections that occurred pre-freshet and during freshet.
<b>107: Mitigation of ice buildup on bridges.</b>	Active In Compliance	Active In Compliance	Roads Management Plan, Version 10 (March 2024).
<b>INDIVIDUAL AND COMMUNITY WELLNESS</b>			
<b>108: Provide access to counseling and treatment programs</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ 2023 Annual Report Section 12.2.3, and Appendix 34, 2023 Socio-Economic Monitoring Program Report</li> </ul>
<b>109: Monitor indirect effects of the Project, on health and well-being.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ 2023 Annual Report Section 12.1 and Appendix 34, 2023 Socio-Economic Monitoring Program Report</li> </ul>
<b>110: Employee Cohesion</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ A revamped cross-cultural training program was developed in 2023 and rebranded as Cultural Awareness.</li> <li>▪ 115.5 hours of cross-cultural training was delivered at Meliadine in 2023.</li> <li>▪ <i>2023 Annual Report</i> Section 12.1 and 12.4.2, and Appendix 34, 2023 Socio-Economic Monitoring Program Report</li> </ul>

<b>111: Employee Training Opportunities</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>2023 <i>Annual Report</i> Section 12.3 and 12.4 and Appendix 34, 2023 Socio-Economic Monitoring Program Report</li> </ul>
<b>112: Investigate measures and programs to assist employees with pursuing home ownership or affordable housing options.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>2023 <i>Annual Report</i> Section 12.1 and 12.4.2, and Appendix 34, 2023 Socio-Economic Monitoring Program Report</li> </ul>
<b>COMMUNITY INFRASTRUCTURE</b>			
<b>113: Employee Survey</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Appendix 34: 2023 Socio-Economic Monitoring Program Report, Appendix E</li> <li>Also, see the response to Term and Condition #100.</li> </ul>
<b>114: Financial Literacy and Planning</b>	Active In Compliance	Active In Compliance	2023 <i>Annual Report</i> Section 12.5 and Appendix 34, 2023 Socio-Economic Monitoring Program Report.
<b>115: Monitor impacts on health services</b>	Active In Compliance	Active In Compliance	2023 Socio-Economic Monitoring Program Report.
<b>PUBLIC AND WORKER HEALTH AND SAFETY</b>			
<b>116: Air quality monitoring to include analysis of particulate matter</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Air Quality Monitoring Plan, Version 3 (June 2020)</li> <li>Appendix 23 of the 2023 <i>Annual Report</i>, 2023 Air Quality Monitoring Report.</li> <li>Also, see Terms and Conditions #1 and #5.</li> </ul>
<b>ACCIDENTS AND MALFUNCTIONS</b>			
<b>117: Operate Phase 2 of the AWAR and the Bypass Road in accordance with relevant legislation and regulations.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>The Bypass Road was completed in 2018, community meetings commenced and inspection with regulators was completed in 2018.</li> <li>Phase 2 of the All-Weather Access Road has not yet been constructed.</li> </ul>

<b>118: Wildlife presence to inform road management and operations.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ TEMMP, Version 4 (April 2022) Appendix II</li> <li>▪ Decision tree outlining triggers for mitigation implementation was discussed in 2023 with the TAG (See Appendix 32 of the <i>2023 Annual Report</i>).</li> <li>▪ TEMMP Version 5 was drafted in 2023 and shared with the TAG for review in late 2023 and early 2024.</li> <li>▪ The NIRB looks forward to seeing updates in the forthcoming release of Version 5 of the TEMMP.</li> </ul>
<b>119: Establish deterrents along the AWAR where caribou attraction is observed. Include measures to prevent caribou attraction to spilled water from the waterlines.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ TEMMP, Version 4 (April 2022)</li> <li>▪ No deterrents are used for caribou on the road as it is closed during migration except for essential vehicles.</li> <li>▪ Spill Contingency Plan, Version 15 (March 2024), Appendix H: General Response Procedures for Spilled Saline Water.</li> </ul>
<b>120: Contract only TC certified shippers and ensure shippers follow all relevant Plans.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Shipping Management Plan, Version 9 (March 2022).</li> <li>▪ Oil Pollution Emergency Plan / Pollution and Prevention Plan, Version 9 (July 2023).</li> <li>▪ Summary of shipping in 2023 provided in the <i>2023 Annual Report</i></li> </ul>
<b>121: Monitor ingress/ egress of Project related ships at Rankin Inlet and report and accidents or spills immediately.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Shipping Management Plan, Version 9 (March 2022).</li> <li>▪ Spill Contingency Plan, Version 15 (March 2024).</li> <li>▪ Summary of shipping in 2023 provided in the <i>2023 Annual Report</i></li> </ul>
<b>122: Fuel Transfer Events</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Shipping Management Plan, Version 9 (March 2022)</li> <li>▪ Oil Pollution Emergency Plan / Pollution and Prevention Plan, Version 9 (July 2023).</li> <li>▪ Appendix 29: 2023 Post Oil Transfer Report</li> </ul>
<b>123: Spill Response Equipment and Training</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>▪ Shipping Management Plan, Version 9 (March 2022).</li> <li>▪ Spill Contingency Plan, Version 15 (March 2024).</li> <li>▪ Appendix 16: 2023 Mock Scenario Spill Report.</li> </ul>

<b>124: Updated Spill Contingency Plan Specific to a Major Spill Event (including releases from the waterlines) occurring on the Bypass Road.</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Spill Contingency Plan, Version 15 (March 2024).</li> </ul>
<b>125: Communication of Rules of the AWAR</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Roads Management Plan, Version 10 (March 2024).</li> <li>Section 10.3 of the <i>2023 Annual Report</i> details monthly traffic usage on the AWAR.</li> <li>Section 11 of the <i>2023 Annual Report</i> summarizes when and how AWAR rules of the road have been communicated to communities.</li> </ul>
<b>ALTERNATIVES ANALYSIS</b>			
<b>126: Clear Communication of AWAR Usage</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Roads Management Plan, Version 10 (March 2024).</li> <li>Section 10.3 of the <i>2023 Annual Report</i> details monthly traffic usage on the AWAR.</li> <li>Section 11 of the <i>2023 Annual Report</i> summarizes when and how AWAR rules of the road have been communicated to communities.</li> </ul>
<b>127: Adaptive management measures for marine mammals</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>Shipping Management Plan, Version 9 (March 2022).</li> <li><b>Note:</b> In 2022 and again in 2023, DFO recommended updating the ship-based marine mammal monitoring program, and also to work with DFO on underwater monitoring and modelling of noise. The NIRB encourages to Proponent to continue engaging with DFO on these matters.</li> </ul>
<b>Saline Effluent Disposal New Terms and Conditions</b>			
<b>128: Detailed design for the waterlines system including</b>	Not Yet Active Not Yet Applicable	Not Yet Active Not Yet Applicable	<ul style="list-style-type: none"> <li>Submitted to the NIRB by Agnico Eagle on February 15, 2019 for the saline effluent trucking related pipeline and diffuser.</li> </ul>

<b>location of pipeline, submerged collars and design of the diffuser.</b>			<ul style="list-style-type: none"> <li>Not yet active for waterlines associated subsea pipeline and diffuser since not yet constructed.</li> </ul>
<b>129: Hazard and Operability Assessment of Waterline</b>	Not Yet Active Not Yet Applicable	Not Yet Active Not Yet Applicable	<ul style="list-style-type: none"> <li>Not yet active for waterlines associated subsea pipeline and diffuser since not yet constructed.</li> </ul>
<b>130: Plan for Waterline at End of Life</b>	Not Yet Active Not Yet Applicable	Active In Compliance	<ul style="list-style-type: none"> <li>Agnico Eagle advised the NIRB in 2024 that they intend to remove the existing diffuser and install the new diffuser at the same time (summer 2025), rather than one year apart as originally contemplated during the Waterlines Proposal. Details provided in letter to the NIRB issued July 9, 2024 (NIRB Doc ID. 350702).</li> </ul>
<b>131: Decision Regarding Annual Open Water Season for Discharge</b>	Active In Compliance	Active In Compliance	<ul style="list-style-type: none"> <li>No saline effluent discharge occurred in 2023.</li> </ul>
<b>132: Establishment of a Terrestrial Advisory Group</b>	Active Deficient - In Progress	Active In Compliance	<ul style="list-style-type: none"> <li>TAG Terms of References were finalized in early 2023</li> <li>Appendix 32 of the <i>2023 Annual Report: 2023 TAG Annual Report</i></li> </ul>
<b>133: Ocean Discharge Monitoring Plan</b>	Not Yet Active Not Yet Applicable	Not Yet Active Not Yet Applicable	
<b>134: Waterlines System Operation, Maintenance and Monitoring</b>	Not Yet Active Not Yet Applicable	Not Yet Active Not Yet Applicable	