



Nunavut Impact Review Board 2018-2019 Monitoring Report

Meliadine Gold Mine Project

Agnico Eagle Mines Limited

NIRB File No. 11MN034



October 2019

Report Title: The Nunavut Impact Review Board's 2018-2019 Annual Monitoring Report for Agnico Eagle Mine Limited's Meliadine Gold Mine Project (NIRB File No. 11MN034)

Project: Meliadine Gold Project

Project Location: Kivalliq Region, Nunavut

Land Tenure: Inuit Owned Land

Project Owner: Agnico Eagle Mines Limited
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Monitoring Period: October 1, 2018 – September 30, 2019

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1.0 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)*. On February 26, 2015 pursuant to Section 12.5.12 of the Nunavut Agreement, the NIRB issued Project Certificate No. 006 (the Project Certificate) for the Meliadine Gold Project (the Project), allowing the Project to proceed in accordance with the terms and conditions issued therein. As per Section 12.7.2, the NIRB is responsible for project monitoring in order to:

- a) *Measure the relevant effects of projects on the ecosystemic and socio-economic environments of the Nunavut Settlement Area;*
- b) *Determine whether, and to what extent, the land or resource use in question is being carried out within the predetermined terms and conditions;*
- c) *Provide the information base necessary for agencies to enforce terms and conditions of land or resource use approvals; and*
- d) *Assess the accuracy of predictions contained in the project impact statements.*

This report provides findings that resulted from the Board's monitoring program for this Project from October 2018 to September 2019.

1.1. PROJECT HISTORY AND CURRENT STATUS

Date	Milestone
February 20, 2015	The NIRB issues its decision that Phase 1 of the All Weather Access Road (AWAR) could proceed prior to the completion of the Review of the Meliadine Gold Mine Project subject to specific terms and conditions
January 27, 2015	Then Minister of Aboriginal Affairs and Northern Development accepted the Board's decision
February 26, 2015	The NIRB issued Meliadine Project Certificate No. 006
April 15, 2016	The Nunavut Water Board issued the Type "A" Water Licence (2AM-MEL1631) to Agnico Eagle Mines Limited for a 15-year term
April 13, 2017	The NIRB determined that the quarry at Itivia Harbour quarry (16QN071) could proceed subject to recommended terms and conditions.
August 2017	Agnico Eagle received the remaining approvals and permits for development and operation of the Project
May 2019	Agnico Eagle commenced the Operational phase of Meliadine
October 31, 2018	The NIRB released the Public Hearing Report and Recommendations for the Saline Effluent Discharge to the Marine Environment
January 28, 2019	The Minister of Intergovernmental and Northern Affairs and Internal Trade accepted the Board's decision
February 26, 2019	The NIRB issued the amended Meliadine Project Certificate No. 006
May 14, 2019	Agnico Eagle begins commercial production phase of Meliadine

All documentation associated with the Meliadine Gold project is available online from the NIRB's public registry at <http://www.nirb.ca/project/124106>.

1.2. PROJECT COMPONENTS

The Meliadine Gold project 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 the Proponent plans to develop in a phased approach. Phase 1 is focused on the Tiriganiaq deposit, which will include two (2) open-pits and one (1) underground mine. Phase 2 will make the road a two-lane road with appropriate turn offs and allow Agnico Eagle to open the All-Weather Access Road (AWAR) to the public. Further, this phase would also include the construction of a twinned road and development of a spur road to the Discovery deposit in 2024.

The mine site is comprised of a camp, associated mining infrastructure and the Tiriganiaq underground mine. Construction of the Meliadine mine site was completed in early 2019 including the operation phase of the underground Tiriganiaq deposit. Additional Project infrastructure is located at the Itivia Harbour in the Hamlet of Rankin Inlet and consist of barge unloading facilities, a laydown storage and marshalling area, a 37.5 million litre (ML) fuel tank farm and the Saline Water Discharge tank. The Itivia Harbour area is connected with the mine site with a bypass road (completed in October 2018) and the AWAR. The bypass road allows mine-related traffic from Itivia to bypass the community before joining up with the AWAR. The AWAR will be opened to all public traffic for Phase 2 of the project in 2024 when the Proponent begins developing the Discovery deposit, just to the east.

In 2019 after an amendment process, the NIRB approved the addition of saline discharge of a portion of the saline water from the Tiriganiaq Underground Mine to Melvin Bay. Saline effluent will be trucked from the mine to a discharge facility located at the Itivia Fuel Storage Facility where it will be placed in a tank to await pumping into a pipeline which extends to an engineered diffuser located in Melvin Bay. The saline discharge into Melvin Bay will only happen during the open water season and Agnico Eagle is still approved to continue managing saline water at site.

2.0 MONITORING ACTIVITIES

2.1. GENERAL REPORTING REQUIREMENTS

In response to the Board's request in November 2016 and as initiated that month, Agnico Eagle continued to provide the NIRB with monthly construction updates through 2018-2019. As Agnico Eagle commenced operations in May 2019, the final construction update was received on June 3, 2019. Agnico Eagle submitted its 2018 Annual Report to the NIRB on April 2, 2019 along with the following new or updated management plans as required by the terms and conditions contained within the Project Certificate or as specifically requested by the NIRB or regulatory authorities during the 2018-2019 monitoring period:

- Analysis of Risk of Temporary Closure
- Greenhouse Gas Reduction Plan
- Natural Recovery of Tundra Vegetation Following Exploration Drilling at Meliadine

- Shipping Management Plan
- Wildlife Protection and Response Plan
- Oil Pollution Emergency Plan
- Environmental Management and Protection Plan
- Landfill Waste Management Plan
- Landfarm Management Plan
- Freshet Action Plan (appended to Water Management Plan)
- Incineration Management Plan
- Mine Waste Management Plan
- Quality Assurance/Quality Control Plan
- Road Management Plan
- Dust Management Plan
- Sediment and Erosion Plan
- Water Management Plan
- Water Quality and Flow Monitoring Plan

The Proponent's 2018 Annual Report included results of monitoring activities for the year, including the terrestrial ecosystem monitoring and management plan (TEMMP); the air quality monitoring program including stack testing; noise monitoring program; geotechnical and geochemical inspections; site water quality monitoring; aquatic effects monitoring program and environmental effects monitoring; archaeological monitoring; marine mammal and seabird observer logs; and traffic logs.

Agnico Eagle also included the following with its *2018 Annual Report*:

- Hazardous Waste documentation
- Mock scenario report
- Reportable spills and follow up reports

In June 2019 the NIRB received a copy of Agnico Eagle's Socio-Economic Monitoring report as a compilation of the Meadowbank Project, the Whale Tail Pit Project, and the Meliadine Project.

On April 10, 2019 the NIRB invited interested parties to comment on Agnico Eagle Mines Limited's (Agnico Eagle) *Meliadine Gold Mine Project 2018 Annual Monitoring Report (2018 Annual Report)* submitted to the Board on April 2, 2019 in accordance with Project Certificate No. 006, Amendment 001. On or before May 10, 2019 the NIRB received comments from the following parties:

Commenting Party	Public Registry ID No.
Government of Nunavut (GN)	324915
Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)	324914
Environment and Climate Change Canada (ECCC)	324917
Transport Canada (TC)	324916

Agnico Eagle responded to parties' comments on June 11, 2019 (Public Registry ID:325411). On June 12, 2019 the NIRB received the Kivalliq Inuit Association's comments (Public Registry ID: 325661) and the Proponent responded on July 18, 2019 (Public Registry ID:325954).

2.2. COMPLIANCE MONITORING

2.2.1. Compliance with the NIRB' Exception Report for Phase 1 of the AWAR

The NIRB's approval of Phase 1 of the AWAR project was subject to submission and implementation of a Dust Management Plan, which the Proponent has produced as part of its Roads Management Plan. During the 2016-2017 Monitoring Period, dust produced by vehicles along the AWAR arose as a major concern, and the Board recommended Agnico Eagle improve its dust suppression (see below). In response, the Proponent noted it would apply calcium chloride along the entire length of the AWAR in 2018 and would also test an alternative suppressant along a portion of the road. During the 2019 site visit, the NIRB staff were informed that dust suppressants (calcium chloride) had been applied to the AWAR during the summer months and prior to the site visit. Agnico Eagle stated in the 2018 Annual Report that they had applied both DustStop® and calcium chloride and visually confirmed that calcium chloride appeared to work better and did not need special equipment during application.

The Board acknowledges the presence of signage and the manned gates along the AWAR. As part of the decision for the amendment for the saline effluent discharge, the Board concluded that it expected that due to the increased use of the AWAR as a result of the amendment and the delay of the development of the Phase 2 of the AWAR, that all the road plans and monitoring recommended in terms and conditions 12, 48, 56, and 125 would require updating prior to commencing the transport of treated saline groundwater to Itivia Harbour. The Board also highlighted the importance of Agnico Eagle meeting the existing and on-going commitments provided by Agnico Eagle related to dust monitoring, along with the planned coordination by Agnico Eagle with the Hamlet of Rankin Inlet to control dust on the AWAR and bypass road. As such, separate monitoring for the exception was no longer required as of February 26, 2019. The NIRB has not noted any other compliance issues related to Phase 1 of the AWAR.

2.2.2. Compliance with the Itivia Quarry

Agnico Eagle reported that as of 2018, approximately 21,800 m³ of material was blasted from the Itivia Quarry for use in construction. Agnico Eagle noted that the quarry would not be used in 2019 and the area has been actively reclaimed. A GN Regional Lands Administrator and Hamlet foreman inspected the area in October 2018 and were satisfied with the current state of the Itivia quarry site.

2.2.3. Compliance with the NIRB Project Certificate No. 006

2.2.3.1. Proponent's Responses to the Board's 2017 Recommendations

On November 6, 2018 the Board made several recommendations to Agnico Eagle resulting from the NIRB's 2017-2018 monitoring efforts including the 2018 site visit.¹ On November 30, 2018 Agnico Eagle provided responses to address each of the Board's 2018 Recommendations,² summarized in

[Table 1.](#)

Table 1 2018 NIRB Recommendations to Agnico Eagle and Responses

<u>BOARD RECOMMENDATION</u>	<u>AGNICO EAGLE'S RESPONSE</u>
<p>The Board requires Agnico Eagle to provide a summary of any dust suppressant studies conducted on the all-weather access road (AWAR) in 2018 with the results contrasted against predictions presented within the Final Environmental Impact Statement for the Meliadine Gold Mine Project and a discussion of any implications for ongoing dust management for the Project.</p> <p>The requested information should be provided to the Board within 30 days following the issuance of this recommendation.</p>	<ul style="list-style-type: none">▪ Indicated that water, calcium chloride, and Dust Stop® was applied on the entire length of the AWAR in 2018 and visually, the calcium chloride performed better.▪ Agnico Eagle intends to continue applying dust suppressant (calcium chloride or other products) on the AWAR and on roads associated with vehicular traffic related to the mine site including applicable roads in Rankin Inlet.▪ Observed only one exceedance of Alberta's Ambient Air Quality Guidelines (June 2016) for recreational areas in July as dust suppression could not be applied regularly due to caribou migration during a certain time.
<p>The Board requests that Agnico Eagle work with the Hamlet of Rankin Inlet to describe the effectiveness of dust suppression efforts to date along the roads that Agnico Eagle uses to transport equipment and supplies to the Meliadine site (both municipal and proponent-owned). The Board also requests Agnico Eagle and the Hamlet of Rankin Inlet develop a plan for working together in the summer of 2019 to address the concerns of the public.</p> <p>Agnico Eagle is to include the requested information in its 2018 Annual Report submission to the NIRB.</p>	<ul style="list-style-type: none">▪ Confirmed information would be provided in the 2018 annual report

¹ Public Registry ID No.: 320925

² Public Registry ID No.: 322577

<u>BOARD RECOMMENDATION</u>	<u>AGNICO EAGLE'S RESPONSE</u>
<p>The Board requires Agnico Eagle provide a discussion of traffic volumes, safety issues encountered, and adaptive management activities undertaken to manage traffic and road safety.</p> <p>The requested information should be provided to the Board within 30 days following the issuance of this recommendation.</p>	<ul style="list-style-type: none"> ▪ Acknowledged traffic volume to date exceeds what was expected/stated in FEIS and therefore an increased emphasis on safety when travelling the road. ▪ Met with Community members in Rankin Inlet to discuss the rules for the use of the all-weather access road. ▪ Considering creating an ATV/Snowmobile detour trail along the road.
<p>The Board requests Agnico Eagle coordinate with the Hamlet of Rankin Inlet to install additional signage along the roads used by Agnico Eagle to transport equipment and supplies to site (both municipal and proponent-owned). The signage should identify operators of that section of road, speed limits, and restricted entry on the bypass road.</p> <p>Agnico Eagle is to include an update on its implementation of this recommendation in its 2018 Annual Report submission to the NIRB.</p>	<ul style="list-style-type: none"> ▪ Committed to discussing with the Hamlet of Rankin Inlet and provide an update in the 2018 Annual Report.
<p>The Board requests Agnico Eagle develop a consultation plan including posters, meetings, radio shows about the all-weather access road (AWAR) to ensure the public understands its role and ability to access the AWAR.</p> <p>Agnico Eagle is to include the requested information in its 2018 Annual Report submission to the NIRB.</p>	<ul style="list-style-type: none"> ▪ Started consultation of the rules of the all-weather access road in 2018 and committed to doing this on a yearly basis.
<p>The Board requires Agnico Eagle to provide an action plan for meeting the objectives of Terms and Conditions 46, 48, and 105. The plan must include a clear indication of timelines, next steps in development of the Hunter Harvest Survey, discussion of limitations of the survey originally carried out at Meadowbank and proposed solutions, measures for success, and contingency planning. A discussion of the feasibility of alternative studies should be included to prevent further delays in implementation.</p> <p>The requested information should be provided to the Board within 30 days following the issuance of this recommendation.</p>	<ul style="list-style-type: none"> ▪ Stated that Agnico Eagle intended to develop an MOU with the Kangiqliniq Hunters and Trappers Organization (HTO) to assist with the development of HTO staff to undertake research, monitoring and analysis of wildlife, community based environmental monitoring and other consulting services as may be required from time to time. ▪ Noted the Hunter Harvest Survey (HSS) at Meadowbank dwindled over time and predicted that a more formal process through a Memorandum of Understanding may assist in making the HHS survey successful. ▪ Anticipated that the MOU would be in place prior to the spring caribou migration.

<u>BOARD RECOMMENDATION</u>	<u>AGNICO EAGLE'S RESPONSE</u>
<p>The Board requires Agnico Eagle include in their twice-yearly updates a summary of the consultation conducted with the Kangiqliniq Hunters and Trappers Organization, the Kivalliq Inuit Association, the Government of Nunavut, and other stakeholders to ensure progress and compliance with the Project Certificate.</p> <p>The requested information from the August update should be provided to the Board within 30 days following the issuance of this recommendation and be included in updates henceforth.</p>	<ul style="list-style-type: none"> Provided the requested information and committed to submitting the summary of information twice per year as required.
<p>The Board requires Agnico Eagle provide a written explanation of the conditions which contributed to the spills on site for 2017 (both reportable and non-reportable spills) and provide a discussion on steps taken since to prevent future spills.</p> <p>The requested information should be provided to the Board within 30 days following the issuance of this recommendation.</p>	<ul style="list-style-type: none"> Noted site was in construction and there were many new staff on site and several new pieces of equipment when commissioned had “failures” when first used. A new program was initiated to ensure all spills were reported as not all smaller spills were reported previously. Agnico Eagle also started a new risk assessment process for spills which has been successful in identifying deficiencies related to spills. For example, Agnico Eagle has installed additional lined secondary containment at Itivia refuelling system which has reduced spills as well as changed its effluent management system for the exploration camp. Overall the number of spills increased in 2018; however, the severity has decreased through these improvements.

2.2.3.2. Compliance Achievements

At present, the NIRB has not yet issued Appendix A of the Meliadine Gold Mine Project Certificate and expects to do so once sufficient permits are issued for the Project to understand the responsible authorities’ operational requirements. Appendix A would provide the project-specific monitoring framework which would further define the specific reporting requirements of the Proponent and responsible authorities.

With the issuance of the amended Project Certificate in February 2019 along with the commencement of operations in May 2019 Agnico Eagle is now well into the implementation of many of its management and monitoring plans (e.g., the Terrestrial Ecosystem Management and Monitoring Plan, the Shipping Management Plan, and project-specific Socio-Economic Monitoring). All terms and conditions are now applicable to the Project and consultations and collaborations should be completed in order to refine and finalize the management and monitoring plans.

Appendix 1 documents Agnico Eagle's compliance achievements with the Project Certificate from 2018 to 2019. During this reporting period, the Proponent was successful in having met most of the requirements of the NIRB Project Certificate No. 006. However, there are several terms and conditions that the Proponent has yet to fully achieve or make progress towards achieving, specifically term and conditions: 3, 6, 8, 10, 11, 33, 36, 37, 41, 44, 46, 48, 56, 71, 74, 86, 100, 104, 105, 113, 114, 116, and 125. The NIRB has provided direction in both the Appendix A with each Term and condition as well as in Sections [2.5](#) and [4.0](#).

Agnico Eagle has improved the information contained within Agnico Eagle's Annual Report and the NIRB appreciates the Proponent's effort to date; however the NIRB emphasizes that the data should be analyzed, and a summary and discussion of what the results mean should be included within the main text of the annual report. Further discussion and recommendations for the annual report format are included in [Section 2.5](#).

2.3. COMPLIANCE MONITORING BY REGULATORY AUTHORITIES.

On April 10, 2019 the NIRB requested that regulatory authorities with expertise or jurisdiction at the Meliadine Gold Mine Project to provide a summary of any compliance monitoring and/or site inspections undertaken in association with the Project, including specifically:

- a. Compliance Monitoring
 - i. Provide a summary of any compliance monitoring and/or site inspections undertaken in association with the Project, including specifically:
 - a. Identify the terms and conditions from the Project Certificate which have been incorporated into any permits, certificates, licences or other government approvals issued for the Project, where applicable;
 - b. A summary of any inspections conducted during the 2018 reporting period, and the results of these inspections; and
 - c. A summary of the Proponent's compliance status with regard to authorizations that have been issued for the Project.

The following is a summary of comments received by parties on or before May 10, 2019.

2.3.1.1. Kivalliq Inuit Association

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

2.3.1.2. Crown Indigenous Relations and Northern Affairs Canada

Crown Indigenous Relations and Northern Affairs Canada (CIRNAC) noted in its submission that it had not issued any land use permits for the Meliadine Gold Mine project. In 2018 CIRNAC inspectors conducted several on-site in sections to assess compliance with terms and conditions in the Proponent's water licences and they provided a table in their submission to cross reference these with the NIRB Project Certificate for the Project and it outlines how various terms and conditions have been incorporated into the Type "A" Water Licence 2AM-MEL1631. While onsite, inspectors issued several required actions related to windblown debris, water sampling, and

turbid water concerns for some exploration sites. CIRNAC Inspectors were general satisfied with Agnico Eagle's response to these.

2.3.1.3. Environment and Climate Change Canada (ECCC)

Environment Canada and Climate Change did not provide any information regarding any site inspections conducted at the Meliadine Gold Mine Project site or report any concerns regarding compliance monitoring.

2.4. EFFECTS MONITORING

Effects monitoring can be described as an assessment of the measurable change to a particular environmental or socio-economic component, as compared to the potential effects that were predicted to result from a proposed development. In the case of Meliadine, impact predictions and mitigation measures were outlined and developed throughout the environmental review of the Project and were recorded and presented through the Proponent's Final FEIS and other related documents.

On April 10, 2019 the NIRB also requested that regulatory authorities with expertise or jurisdiction at the Meliadine Gold Mine Project provide comments and information with respect to effects monitoring for the 2018 reporting period. Specifically:

- a) Whether the conclusions reached by Agnico Eagle in its 2018 Annual Report are valid;
- b) Whether there are any areas of significance requiring further supporting information.

Tables 2 through 4 contain a summary of comments received by parties on or before May 10, 2019 and June 12, 2019 and Agnico Eagle's responses from June 11, 2019 and July 18, 2019.

Table 2: Kivalliq Inuit Association (KIA) Recommendations and Agnico Eagle's Responses

<u>KIA RECOMMENDATION</u>	<u>AGNICO EAGLE'S RESPONSE</u>
<i>General</i>	
<ul style="list-style-type: none"> Accept and implement the recommendations from the geotechnical inspection of the main mine site, exploration camp site, all weather access road, Itivia site and bypass road. 	<ul style="list-style-type: none"> Agnico Eagle recognizes a total of sixty-five (65) separate recommendations contained in the 2018 Annual Geotechnical Inspection conducted by Golder Associates Ltd., as many of the individual bullets outlined in the report contained more than one suggested course of action and an associated priority number. Using this priority number, Agnico Eagle will determine steps forward in 2019. A table of status of items was provided as part of its response on July 18, 2019.
<ul style="list-style-type: none"> Reduce the reportable spill limits by 50% by developing a better culture of preventing and minimizing spills of hazardous wastes. 	<ul style="list-style-type: none"> Committed to continue to deal appropriately with reportable spills. Outlined steps being taken at site to prevent and minimize spills and stated Agnico Eagle will be doing an internal spill audit in 2019 to improve preventing and minimizing spills.

<u>KIA RECOMMENDATION</u>	<u>AGNICO EAGLE'S RESPONSE</u>
<ul style="list-style-type: none"> Include a table of contents for the Annual Report Appendices of Management Plan Updates 	<ul style="list-style-type: none"> Agreed to provide in the 2019 annual report.
<i>All-weather Access Road</i>	
<ul style="list-style-type: none"> Clarify where Dust Stop, water and calcium chloride were used on the all-weather access road. 	<ul style="list-style-type: none"> Confirmed all three products were applied on the road. The dust stop was put as a trial to evaluate its effectiveness and not necessarily as a dust suppressant. The dust stop trial was performed once proper equipment was received at site and visually monitored to study the effectiveness of the product. Observed better results with the usage of the calcium chloride. Agnico Eagle concluded that due to lack of the specialized equipment required for future application of Dust Stop versus the effectiveness of the product observed does not make Dust Stop a viable option.
<ul style="list-style-type: none"> That the 2018 Annual Report provide an explanation of the traffic volume exceeding what was predicted in the FEIS by nearly a factor of 2 during the construction phase and the implications for wildlife 	<ul style="list-style-type: none"> In 2018, the construction was the key activity at the mine, as a result many equipment and construction workers were required at the mine site. The busiest month for the AWAR is directly related to the summer and fall time when the construction workers were required, and the equipment brought on the barge arrived. Regarding wildlife interactions, no road related mortality was reported in 2018. It is important to note that the AWAR was closed during caribou migration to mitigate the impact of the traffic on the AWAR on wildlife as per the decision tree from the Meliadine caribou migration protocol triggered by the TEMMP
<i>Surface Water Quality and Freshwater Aquatic Monitoring</i>	
<ul style="list-style-type: none"> Further investigation into observed exceedances of aluminum concentrations in Meliadine Lake as there may be some connection to mine related activity. 	<ul style="list-style-type: none"> Stated that Agnico Eagle is of the opinion that exceedances were a result of laboratory error and conducted additional investigation to demonstrate typical results.
<ul style="list-style-type: none"> Direct comparison between water quantity and quantity predictions and management requirements at the Meliadine site that will result for the operational change of discharging hypersaline water into Melvin Bay vs Meliadine Lake 	<ul style="list-style-type: none"> Provided clarification regarding TDS concentrations and confirmed already established saline water treatment will continue and reiterated the water treatment prior to discharge into Melvin Bay.
<ul style="list-style-type: none"> Provide relief figure of the Itivia site indicating flow paths of proposed snow storage areas as part of future updates to Snow Management Plan and provide a copy of the final report related to high TSS levels at the Itivia site. 	<ul style="list-style-type: none"> Committed to providing the figure in the next snow management plan and provided the final report requested. Stated that in 2019 new freshet protocols were established like check dams upstream of culverts to reduce the water flow and deposition of TSS and no exceedances occurred to date at Itivia.

<u>KIA RECOMMENDATION</u>	<u>AGNICO EAGLE'S RESPONSE</u>
<ul style="list-style-type: none"> ▪ Incorporate a more conservative second trigger to the Water Management Plan re Effluent Water Treatment Plant plan based on nephelometric turbidity Units (NTU) for discharges to Meliadine Lake from Containment Pond 1 (CP1) until a more robust correlation between total suspended solids (TSS) and NTU is developed. 	<ul style="list-style-type: none"> ▪ Agnico Eagle immediately incorporated an interim, more conservative second trigger at 2.0 NTU corresponding to a TSS concentration of 22.5 mg/L. Once there is an increase in correlation strength pertaining to the TSS-turbidity rating curve, this will be re-assessed.
<ul style="list-style-type: none"> ▪ Compare water quality from the Peninsula Lakes 2018 monitoring program to Final Environmental Impact Statement (FEIS) prediction. Since this is one of the main objects of the Aquatic Effects Management Plan (AEMP)/ Environmental Effects Monitoring (EEM) report and one of the key questions as defined in the AEMP Design Plan it is prudent to include FEIS predictions in future reports. 	<ul style="list-style-type: none"> ▪ Committed to including that information in the 2019 annual report.
<ul style="list-style-type: none"> ▪ Investigate sublethal toxicity effects in <i>Lemna minor</i> and <i>Ceriodaphnia dubia</i> as well as potential management options for these effects in 2019 annual report and in future EEM reports. 	<ul style="list-style-type: none"> ▪ Agnico Eagle will sample for sublethal toxicity on the <i>Lemna minor</i> as per the Metal and Diamond Mining Effluent Regulations (MDMER) regulation during the 2019 freshwater discharge and will evaluate mitigation measures if the sublethal effects are still observed in 2019. ▪ The purpose of the EEM studies being undertaken is to evaluate these effects and Agnico Eagle will follow these procedures.
<ul style="list-style-type: none"> ▪ Clarification as to why water sampling was not rescheduled under AEMP/Environmental Effects Monitoring Program (EEMP) as weather prevented regularly scheduled sampling 	<ul style="list-style-type: none"> ▪ Following the high winds condition in September, the lakes started to freeze up which prevented Agnico Eagle to perform the last ice-free sample event planned in September. ▪ Agnico Eagle has already planned to conduct the latest ice-free sampling event earlier in 2019 to avoid the same situation.
<ul style="list-style-type: none"> ▪ Updates on observed changes in water quality in near and mid field areas in Meliadine Lake in the 2019 annual report. Further, source tracking study recommended in 2020 for indicator parameters to identify the source of the increasing concentrations of specific conductivity, total dissolved solids (TDS), hardness, total organic carbon (TOC), dissolved organic carbon (DOC), major ions and total aluminum, barium, copper, mercury, molybdenum, nickel, uranium, lithium, and strontium. 	<ul style="list-style-type: none"> ▪ Committed to providing an update on changes in water quality in the near-field (MEL-01 water station) and mid-field (MEL-02 water station) areas as part of the 2019 AEMP report. Parameters that exhibit increased concentrations relative to the baseline period / normal range will be investigated in more detail.

<u>KIA RECOMMENDATION</u>	<u>AGNICO EAGLE'S RESPONSE</u>
<ul style="list-style-type: none"> ▪ Normalize sediment data to percent fines for the EEM data analysis to help differentiate changes in sediment chemistry between the near-field and reference sites. Further, sediment chemistry data be normalized to percent fines when calculating normal range to compensate for differences 	<ul style="list-style-type: none"> ▪ Committed to conducting this in the future
<ul style="list-style-type: none"> ▪ Ensure outlying parameters such as arsenic, cobalt and nickel are included in statistical evaluation of sampling sites for AEMP/EEM report to ensure full data sets 	<ul style="list-style-type: none"> ▪ Committed to ensuring outliers are included in the future
<ul style="list-style-type: none"> ▪ Provide discussion as to whether nutrient data from August sampling event are appropriate for inclusion as key nutrient parameters exceeded the relative Percent Difference (RPD) of 20% data quality objective. Further, discuss if this data should be included in future annual reports. 	<ul style="list-style-type: none"> ▪ Provided the discussion referencing Canadian Council of Ministers of the Environment's (CCME) Guidance Manual for Environmental Site Characterization in Support of Environmental and Human Health Risk Assessment. ▪ Detailed that acceptance limits for field-based quality control (QC) are broader than laboratory QC and are typically 1.5 to 2 times the laboratory QC limits. The Guidance Methods (CCME 2016) state that "quantifying acceptable precision is a matter of judgement, but assuming that field and laboratory error are similar in magnitude, acceptance criteria twice those given above [sic for laboratory QC limits] would result. Consequently, an RPD of 40% for surface water field duplicate samples would be consistent with CCME guidance. ▪ The Guidance Methods (CCME 2016) note that "the importance of reduced precision becomes more important when concentrations straddle or are near regulatory guidelines." Thus, the acceptance criteria for field duplicate QC samples recommended by CCME (2016) explain the suitability for the inclusion of the data. ▪ A discussion will be included in future AEMP reports regarding parameters that exceeded the RPD of 20%

<u>KIA RECOMMENDATION</u>	<u>AGNICO EAGLE'S RESPONSE</u>
<ul style="list-style-type: none"> Update the discussion in section 11.3.1.2 of the 2018 Annual Report to elaborate on the potential impacts of changes in nutrient concentrations in the absence of a clear relationship between those primary producers and the observed change in nutrient concentrations. 	<ul style="list-style-type: none"> There are a number of potential impacts of changes in nutrient concentrations on primary productivity; however, changes in the concentrations of any particular nutrient may not in itself be enough to result in measurable changes in primary productivity if another nutrient remains limiting to phytoplankton growth. Nutrient enrichment in general is typically expected to result in increases in primary productivity and can lead to eutrophication and harmful algal blooms which can, in turn, result in oxygen depletion, fish kills and losses of biodiversity (Carpenter et al. 1998; Smith 2003) as well as more frequent occurrences of infection and disease in wildlife (Johnson et al. 2010). Traditionally, phosphorus has been thought of as the primary limiting nutrient in freshwater systems (Schindler 1977) and phosphorus concentrations from mine effluent discharges in similar systems have been linked to measurable increases in chlorophyll a concentrations (Golder 2017). In Meliadine Lake, elevated levels of chlorophyll a and phytoplankton biomass were observed in the near-field area close to mine effluent discharge; however, the absence of a clear relationship between nutrient concentrations and primary productivity does not allow us to draw a conclusion at this time as to whether the observed increases in primary productivity are a result of changes in nutrient concentrations from the mine effluent. The absence of a clear relationship between nutrient concentrations and primary productivity suggests that only low levels of nutrient loading is occurring which is expected to result in only low-level increases in primary productivity. Greater effects on productivity would most likely be accompanied by a relationship between nutrients and productivity indicators.
<i>Terrestrial Effects Monitoring and Mitigation Program (TEMMP)</i>	
<ul style="list-style-type: none"> That the current TEMMP be rejected as it did not include systematic and detailed caribou observations and collar data, details of the frequency and type of monitoring and systematic records of the triggers that resulted in increased mitigation (e.g., work stoppages). 	<ul style="list-style-type: none"> Agnico Eagle is constantly looking for improvement in its monitoring and reporting methods. Opportunities for caribou monitoring are limited when caribou are on-site due to work stoppages, however, increased documentation on caribou behavior, triggers that resulted in increased mitigation have already been taken in consideration for the 2019 caribou migration. Regarding the caribou collaring data, these are confidential but are part of the tools used to increase mitigation.

<u>KIA RECOMMENDATION</u>	<u>AGNICO EAGLE'S RESPONSE</u>
<ul style="list-style-type: none"> Should establish a Terrestrial Advisory Group (TAG) similar to Meadowbank/Whale Tail in order to develop sound and systematic reporting to demonstrate how adaptive Management of wildlife, especially caribou is working at the Meliadine site. 	<ul style="list-style-type: none"> Agnico Eagle will evaluate the possibility to develop a Terrestrial Advisory Group (TAG) for Meliadine
<ul style="list-style-type: none"> Terrestrial Ecosystem Monitoring and Management Plan (TEMMP) report include that the objectives and methods be provided and why these surveys are being undertaken along with the methods and results explained. 	<ul style="list-style-type: none"> Wildlife track surveys are conducted to increase caribou monitoring effort as per the project certificate term and condition 118. The method is similar to the ground survey procedure where six (6) stations are visited for wildlife tracks. If other tracks are seen onsite during the survey, the information will also be recorded as an overall monitoring objective to document what species may be interacting with the project.
<ul style="list-style-type: none"> Should be undertaking regular monitoring of waste disposal areas due to 22 Arctic foxes needing to be trapped and dispatched of in 2018. Further, there should be reporting on health of the foxes in addition to a comparison to previous years data 	<ul style="list-style-type: none"> Routine inspections are conducted and include the landfill, landfarm and the incinerator with special attention to the waste disposal. Consideration is being given to establishing an internal Waste Management Working Group with the goal of improving waste management protocols at Meliadine. The proposed working group will evaluate the current system in place and will look at optimizing training, procedures and the management of wastes. Wildlife mortality incidents as reported to the GN Department of the Environment (DoE) and all trapping and site mortalities are completed by on site staff and GN DoE officers, per guidance received from the GN. One fox was sent to lab for rabies testing and Agnico Eagle is waiting for the results from the GN DoE

<u>KIA RECOMMENDATION</u>	<u>AGNICO EAGLE'S RESPONSE</u>
<ul style="list-style-type: none"> Improve the TEMMP by providing the details on results, distances from infrastructure, composition of the group of caribou observed, length of time for observations, and time spent by caribou. Further, there should be: reporting on the monitoring that triggered thresholds to intensity mitigation and at what distance from infrastructure that mitigation occurred, displacement/deflection of caribou and responses to operations during migration should be reported annually. Data analysis should be conducted on the aforementioned to test impact predictions, monitoring impact thresholds and trends over time, and to support implementation of mitigation measures. 	<ul style="list-style-type: none"> Agnico Eagle is constantly looking for improvement in its monitoring and reporting methods. Opportunities for caribou monitoring are limited when caribou are on-site due to work stoppages, however, increased documentation on caribou behavior have already been taken in consideration for the 2019 caribou migration The primary triggers for shutdown include collar location maps followed by site and road surveillance monitoring. Monitoring caribou behavior regarding different mine activities (blasting, convoy, etc.) and these displacements/deflections of caribou and responses to operations is reported in the annual report. Data analysis will be conducted to test impact predictions, monitor impact thresholds and trends over time, and to support implementation of mitigation measures.
<i>Marine Monitoring</i>	
<ul style="list-style-type: none"> Inclusion of specific monitoring locations for both exposure area and reference area in Ocean Discharge Monitoring Plan in future updates and ensure that baseline characterization is robust for ongoing comparison and evaluation of potential effects. 	<ul style="list-style-type: none"> Agnico Eagle has planned to broaden the marine monitoring in 2019 to update the overall baseline characterization. Specific monitoring locations for both the exposure and the reference areas will be included in the Ocean Discharge Monitoring Plan update.
<i>Socio-Economic Monitoring</i>	
<ul style="list-style-type: none"> Additional training and career path development should be a focus in order to improve Inuit employment rates and this can be developed with the KIA. 	<ul style="list-style-type: none"> Committed to continue to work with the KIA through the Employment and Culture Committee on Inuit participation in accordance with the Inuit Impact and Benefit Agreement established between the parties.

Table 3: Government of Nunavut (GN) Recommendations and Agnico Eagle's Responses

<u>GN RECOMMENDATION</u>	<u>AGNICO EAGLE'S RESPONSE</u>
<i>Terrestrial Effects Monitoring and Mitigation Program (TEMMP)</i>	
<ul style="list-style-type: none"> Provide details on the additional active mitigation measures that will take place in 2019 beyond those taking place in 2018 to decrease fox mortalities at site. Review Wildlife Deterrence plan and ensure that the plan and implementation of the plan is sufficiently aggressive to deter carnivores when they come to site. This should be reviewed by the GN-Department of the Environment prior to any implementation. 	<ul style="list-style-type: none"> Educational meetings with departments on site with regards to waste management and wildlife have been implemented and consideration is being given to establishing a waste management working group within the mine site with the goal of improving waste management protocols at Meliadine. The proposed working group will evaluate the current system in place and will look at optimizing training, procedures and the management of wastes. The increase in fox rabies compared to previous years is also to be considered in the amount of fox mortalities in 2018.

<u>GN RECOMMENDATION</u>	<u>AGNICO EAGLE'S RESPONSE</u>
<i>Greenhouse Gas Reduction</i>	
<ul style="list-style-type: none"> Request clarification regarding which emissions factors are being utilized and referenced in the Greenhouse Gas Reduction plan and what methods are being used to track the success of the Plan. Include waste incinerations emissions in the Greenhouse Gas Reduction Emission Plan. 	<ul style="list-style-type: none"> Agnico Eagle utilizes the most up to date national inventory report emission factors for its reporting and will reference it in the next version of the Greenhouse Gas Reduction Plan
<i>Vegetation Abundance, Biodiversity and Health</i>	
<ul style="list-style-type: none"> Request why Term and Condition 40 was not included in the 2018 Annual report and requested the Proponent provide a discussion on how vegetation monitoring will be used to identify and mitigate impacts to vegetation abundance, diversity, and health. 	<ul style="list-style-type: none"> For compliance with NIRB Project Certificate No. 006, Term and Condition No. 40, a weed/invasive species program is conducted and reviewed on an annual basis. Vegetation and soils health are currently monitored for dust and heavy metals every two years as part of the health risk monitoring program. Both the invasive species and vegetation/soils health monitoring programs qualitatively document any observed changes to vegetation health, abundance and diversity, and if necessary, implement adaptive management. Direct quantitative changes and habitat loss to vegetation and specific vegetation communities associated with Project impacts are re-evaluated annually and results are presented in the Terrestrial Environment Management and Monitoring Plan (TEMMP) Annual Report(s). For future annual reports, Project Certificate No. 006 Term and Condition No. 40 will be added in

**Table 4: Crown-Indigenous Relations and Northern Affairs Canada (CIRNAC)
Recommendations and Agnico Eagle's Responses**

<u>CIRNA RECOMMENDATION</u>	<u>AGNICO EAGLE'S RESPONSE</u>
<i>General</i>	
<ul style="list-style-type: none"> In the Annual Report there should be a comparison with FEIS predictions for various areas related to: Spills and how they were addressed Water quality and quantity Hunter Harvest Survey 	<ul style="list-style-type: none"> Committed to providing this information in future annual reports, and where applicable including the comparison to what was predicted in the FEIS.
<ul style="list-style-type: none"> Ensure reports referred to in the Annual Report are available at the NIRB public registry and if previously submitted include the document ID number. 	<ul style="list-style-type: none"> Provided document ID numbers where requested.

<u>CIRNA RECOMMENDATION</u>	<u>AGNICO EAGLE'S RESPONSE</u>
<i>Geochemical Monitoring</i>	
<ul style="list-style-type: none"> Provide an estimate of 2018 waste rock volume with acid rock drainage (ARD) potential and moving forward perform confirmatory tests on rock samples with uncertain ARD potential prior to use in construction. Provide a timeline for the construction of the waste rock storage facilities. 	<ul style="list-style-type: none"> Discussed approved ARD/ Net Potential ratio (NPR) for the Meliadine project and stated only one sample collected over the last two years exceeded the NPR of 2 or higher. It is expected that mixing of materials will buffer the ARD. Plans for the waste rock storage facilities was expected to occur prior to the end of July 2019 with the construction of the facility occurring once plans were approved.
<i>Surface Water Quality and Freshwater Aquatic Monitoring</i>	
<ul style="list-style-type: none"> Provide locations for ponds which water was withdrawn from and indication if this was permitted to do so. Further, were these ponds used by fish or other aquatic species. 	<ul style="list-style-type: none"> Provided which ponds were approved for this use and stated ponds used were seasonal that either dry out or freeze to the bottom during winter.
<ul style="list-style-type: none"> Clarity regarding what water quality parameters other than TSS, aluminum (Al), and TDS are being monitored at the 23 mine site sample stations 	<ul style="list-style-type: none"> Was of the opinion materials provided in the annual report were summarized appropriately.
<i>Socio-Economic Monitoring</i>	
<ul style="list-style-type: none"> An updated socio-economic monitoring plan satisfying T&C 91 should be developed that considers: education and training, and socio-economic monitoring activities during closure and post closure should be submitted to the Kivalliq Socio-Economic monitoring committee. 	<ul style="list-style-type: none"> Stated this information was provided to the Kivalliq Socio-Economic Monitoring Committee and the plan for the Whale Tail Project was extended to cover all the Kivalliq projects including the Meliadine project.

Table 5 Environment and Climate Change Canada (ECCC) Recommendations and Agnico Eagle's Responses

<u>ECCC RECOMMENDATION</u>	<u>AGNICO EAGLE'S RESPONSE</u>
<i>General</i>	
<ul style="list-style-type: none"> Revise the TEMMP to the correct status for Barren-ground Caribou under the Species at Risk Act 	<ul style="list-style-type: none"> This will be addressed in the next TEMMP report
<i>Surface Water Quality and Freshwater Aquatic Monitoring</i>	
<ul style="list-style-type: none"> ECCC indicated was going to be including any questions it had related to the freshwater environment questions with the Nunavut Water Board review process. 	<ul style="list-style-type: none"> No submission from ECCC or responses from Agnico Eagle were provided to the NIRB.
<i>Air Quality</i>	
<ul style="list-style-type: none"> A comparison of annual average concentrations of nitrogen dioxide and sulphur dioxide and their respective Canadian Ambient Air Quality Standards in future Air Quality Monitoring reports and updates should be completed in relevant management plans. 	<ul style="list-style-type: none"> Is of the view that it is not appropriate to compare annual averages to the Canadian Ambient Air Quality Standards because they have different timescales and calculation methodologies and are meant for a regional basis not by project.

<u>ECCC RECOMMENDATION</u>	<u>AGNICO EAGLE'S RESPONSE</u>
<ul style="list-style-type: none"> Revision of the Incineration Management Plan to include regular review of the incinerator's operating parameters, including chamber temperatures, air flows, and waste volumes. 	<ul style="list-style-type: none"> Information is being recorded with weekly preventative maintenance occurring. effective operation of the incinerator and the information will be added in the management plan
<i>Bird and Bird Habitat Monitoring</i>	
<ul style="list-style-type: none"> Agnico Eagle contact ECCC to discuss the implementation of the ECCC seabird survey protocol and provide staff adequate training to implement this protocol 	<ul style="list-style-type: none"> Discussions completed and poster was created and given to the shipping company to improve bird identification Work with shipping companies regarding training is being considered.
<ul style="list-style-type: none"> Provide an analysis that supports the change to the migratory bird objectives in the 2018 annual report and include changes to the TEMMP objectives in the TEMMP annual reports as recommendations. 	<ul style="list-style-type: none"> Clarification regarding where objectives were located in the TEMMP report were provided TEMMP to be updated in order to clarify any confusion and to align with other terrestrial management plans for other northern mining projects. Updates to the TEMMP will be included as recommendations in the annual reports moving forward, as appropriate.
<ul style="list-style-type: none"> Clearly indicate which waterbodies were surveyed for waterbirds in 2018 and present the annual results in a figure. 	<ul style="list-style-type: none"> An updated figure was provided for all shorelines within 200m of the Project. Results of the 2018 shoreline surveys, please see section 10.1.2 of the 2018 TEMMP Annual Report. Results will be presented graphically in the 2019 TEMMP Annual Report
<ul style="list-style-type: none"> The Proponent should have a Project-related mortality threshold for upland breeding birds in the TEMMP 	<ul style="list-style-type: none"> After discussions with ECCC, the threshold for evaluation of mitigation measures will be one. For all upland breeding birds found dead, ECCC will be notify and an evaluation of mitigation measures, if necessary will be discussed. This will be added to the next TEMMP report
<ul style="list-style-type: none"> Ensure proper protocol is followed to report all migratory bird incidents and mortalities to ECCC as outlined in the TEMMP. 	<ul style="list-style-type: none"> After clarification with ECCC it was decided that all migratory bird incidents including non-project related will be reported to ECCC in the future.

Transport Canada (TC)

Transport Canada reviewed Agnico Eagles' 2018 Annual Report and commented that it has no comments on the report with respect to the department's mandate and jurisdiction/area of expertise.

2.5. NIRB'S REVIEW OF THE ANNUAL REPORT

The NIRB has reviewed Agnico Eagle's 2018 Meliadine Gold Mine Annual Report and provides the following comments.

In Meliadine's 2018 Annual Report, Agnico Eagle provided a summary of the activities at site as well as mitigation measures implemented for Project effects on valued ecosystemic components (VECs) and valued socio-economic components (VSECs), monitoring results, and comparisons of residual project effects with predictions in the original Final Environmental Impact Statement (FEIS) and FEIS Addendum for Meliadine. However, as noted in [Section 2.2.3.2](#) Agnico Eagle's Annual Report has not included any specific analysis to the original FEIS. As the amendment for saline water disposal was added to the Project Certificate in 2019, information related to it was not expected in the 2018 Annual Report.

As suggested by KIA, CIRNAC, and ECCC Agnico Eagle should make improvements to the format of the annual report by including a table of contents for the appendices of Management Plan updates. Agnico Eagle should also make the following improvements to their annual report:

- Reduce duplication of materials in the Management Plan updates and make clear where one plan ends and another begins.
- Develop a table in the annual report for Management Plan updates that contains a completed list of the Management Plans for the Meliadine Project as well as the version and revision date. Agnico Eagle also should work with the NIRB monitoring officer to ensure that the most up to date copy is included in the NIRB's Public Registry so it is available to the public without having to go into the annual report.
- Include clearly and succinctly in the VEC sections of the annual report a comparison of monitoring data that has been collected to date, so readers can view the direct comparison from what was predicted in the FEIS/FEIS Addendum to what is happening at site now that Agnico Eagle is in operations/production.

The NIRB also agrees with KIA regarding the concern over the number of spills at site. The NIRB was aware a couple of the larger spills that occurred during the 2017-2018 monitoring year and that Agnico Eagle was modifying its internal reporting requirements so all spills were reported and recorded by Agnico Eagle, not just reportable spills. This was done in order to identify issues of concern through conducting an annual spill audit, however, there was an increase in reportable spills (22 spills) at the Meliadine site in 2018 that included seven (7) licence exceedances as compared to the 14 spill total in 2017. The NIRB is encouraged by the steps Agnico Eagle has taken to record all spills at site in order to reduce and/or eliminate the larger spills; however, there were a significant amount of reportable spills and the NIRB staff reiterate the Board's message from its 2018 Recommendations that Agnico Eagle ensure it considers lessons learned from Meadowbank and Whale Tail to assist in limiting the number of spills at site, especially the ones due to human error. The NIRB looks forward to the update in the Proponent's 2019 Annual Report regarding the steps that were implemented in 2019 to ensure that Agnico Eagle has less reportable spills, licence exceedances and other spills for the Project.

3.0 SITE VISIT AND PUBLIC INFORMATION SESSION

The NIRB conducted a public information session in the community of Rankin Inlet on August 19, 2019 and a site visit on August 20, 2019. NIRB staff visited the Itivia harbor area, the road between Rankin and Meliadine, as well as the mine site itself to make observations of project activities and assess compliance to the requirements of Project Certificate No. 006.

Based on the observations made during the site visit, Agnico Eagle generally appears in compliance with the terms and conditions of the Meliadine Gold Mine Project Certificate. For the details regarding the site visit and more information regarding the community meeting, please refer to the 2019 Site Visit Report.³ However, the following issues are being considered in the Monitoring Report in either [Section 4.0](#) or [Section 5.0](#).

Revegetation

Term and Condition 41 requires the Proponent to develop a progressive re-vegetation program for disturbed areas that are no longer required for operations. Unfortunately, due to a miscommunication at site a portion of the research sites was destroyed causing some concern regarding study results.

Dust Suppressants

Term and Condition 3 requires that the Proponent verify commitments to the utilization of dust suppressants along the AWAR, including any trails associated with the Project. To date, this condition has not been fully met by the Proponent as dust suppressants have not been employed sufficiently along the AWAR as dust plumes were observed during the site visit as trucks were driving along the road.

Capacity Issues at Landfarm and Landfill

Both the landfarm and landfill were at capacity during the 2019 site visit. Agnico Eagle did not appear to have a plan on how these sites would be dealt with as both were at their design capacity. Further, no information was available on when the temporary fuel tank farm and temporary landfarm at the exploration site will be progressively reclaimed. It was observed that work here had not started even though the initial plan was to remediate and clean up these sites by 2018.

Waste Management

Term and Condition 75 requires the Proponent to implement mitigation measures and monitoring programs to limit the attraction of predators and scavengers to Project facilities. It was observed by NIRB staff during the site visit that segregation and storage of all domestic, hazardous, and combustible wastes appear to be conducted appropriately, despite the incinerator being out of order for repairs at the time of the site visit. However, the site still appears to be attracting wildlife (e.g. foxes) and it was noted there was no fencing or other deterrents around the landfill.

³ Public Registry ID No.: 327076

4.0 AREAS REQUIRING FURTHER STUDY OR CHANGES TO THE MONITORING PROGRAM

Data Quality and Analysis

Throughout various VECs in Agnico Eagle's 2018 Annual Report the NIRB observed statements such as equipment not functioning for an extended period of time due to construction; data collection was not correct due to analysis conducted; monitoring conducted but the results were not checked for quality in a timely manner which did not allow for resampling; and incomplete or inaccurate analysis being done on samples but not identified early enough so it could be addressed while samples were available. After each instance of these examples, Agnico Eagle has included the statement that a data management system has been introduced to the Environmental Department at Meliadine to ensure issues are addressed more promptly. Where sampling was inconclusive for 2018, Agnico Eagle has committed to improving a number of items by checking the weather to ensure proper results, resonance prior to sampling, adjusting the timing of surveys to account for variances in spring wildlife activities; however it is unclear to the NIRB whether these commitments and/or adaptive management practices have been placed into the appropriate Management Plans for the Meliadine site. The NIRB also noted that in response to the ECCC's comment regarding the annual comparison of average concentrations of nitrogen dioxide and sulphur dioxide to the Canadian Ambient Air Quality Standards (CAAQS), Agnico Eagle stated that it was not appropriate to compare these averages as the CAAQS were for a more regional comparison and not on a project by project basis. The standards are set by experts in the field and some clarification with ECCC should be conducted to ensure that the calculations are being conducted appropriately or if the data needs to be collected in another manner.

In KIA, ECCC, and CIRNAC comment submissions summarized in [Section 2.4](#), they directed many comments or suggestions to Agnico Eagle regarding the monitoring program for water and sediment quality to assist in determining if there are impacts occurring and to make decisions whether mitigation is working. The NIRB encourages Agnico Eagle to discuss with each of the agencies the data challenges and assess whether or not plans require updating to ensure that monitoring is being done effectively and trends can be understood to trigger adaptive management actions.

The NIRB would like to emphasize that it is difficult to compare data from year to year when it is not collected correctly and any variances in the data or missing years of data introduce the potential for errors in analysis and potentially missing trends that are occurring on site in these VECs and renders monitoring inconclusive. Agnico Eagle needs to reassess each of its reports and update information with input from area experts.

- The NIRB is requesting Agnico Eagle submit a list of plans that require updating based on the observations and commitments from the 2018 monitoring year in the 30 days following the release of this report and commit to having all the identified plans updated before submission of the next annual report.

Updated Terrestrial Environment Management and Monitoring Plan

The NIRB, KIA, the GN, and ECCC would like to ensure that appropriate information is being included in the Terrestrial Environment Management and Monitoring Plan (TEMMP). As the

current copy of the TEMMP is from 2015 when Agnico Eagle was in preconstruction, it is reasonable now that Operations have commenced that the plan be reviewed and updated. The KIA and the GN would like the TEMMP to incorporate the triggers used to initiate additional monitoring at the Meliadine site and associated infrastructure; including specifying what triggers work stoppages for caribou. ECCC is requesting updates to the SARA listed species table.

- The NIRB requests an update on when a revised TEMMP is to be expected within 30 days of receipt of this report.

Revegetation Studies

Within Agnico Eagle's 2018 Annual Report it outlined how it was working with the University of Saskatchewan (UofS) on the reclamation and revegetation plans for the site to meet Term and Condition 41. A number of plots were established at various locations around site to ascertain initial predictions of natural revegetation. However, Agnico Eagle destroyed one (1) of the plots due to miscommunication with the Environment Department. The UofS contacted the NIRB with concerns regarding the ability to provide scientifically sound data and recommendations due to the loss of one (1) of the three (3) sample sites. The three (3) sample sites had different soil conditions, and due to the loss of a sample site one soil type is no longer being studied and the loss of replication impacts the ability to determine biologically and statistically significant changes.⁴

- The NIRB would like to request Agnico Eagle work with the UofS to create a plan for moving forward with the study and ensure that significantly sound recommendations come from the study as this is valuable information for all mining sites in Nunavut.

Dust Suppressants

Term and Condition 3 of the Meliadine Project Certificate requires that the Proponent monitor dust along the Awar and project associated roads and trails. Annually the Proponent would include commitments to the utilization of dust suppressants including the description of the type of suppressant to be utilized, the application frequency, and any adaptive management that needs to occur to limit dust impacts to the surrounding area. In the 2018 Annual Report, Agnico Eagle stated that it had applied dust suppressants along the Awar and tested Dust Stop in conjunction with water and calcium chloride. In describing the outcomes of the trial, Agnico Eagle concluded that visually the calcium chloride performed better. As no information was included about the study criteria of this test (methods, observations, results and conclusions) the NIRB is unsure how to interpret Agnico Eagle's findings.

- The NIRB requests Agnico Eagle submit the method, observations and evidence of conclusions for the dust trial conducted on the Awar within 30 days of receipt of this report.

Issuance of Appendix A

⁴ Public Registry ID No.: 327171, 327172, 327173

Compliance monitoring involves an assessment undertaken by regulators and other agencies to establish whether a project's activities are being carried out within the applicable legislation, regulations, commitments and agreements. This means that all agencies involved in compliance monitoring are to submit reports and comments in a timely manner and work with the Proponent to ensure a project is conducted in a responsible manner and impacts or issues are identified in a timely manner so they can be addressed.

The NIRB's Post-Environmental Assessment Monitoring Program (PEAMP) is one tool the NIRB has to design to be consistent with the project monitoring framework established for all mine development projects in the Nunavut Settlement Area. The discussion and eventual release of the appendix to the project certificate will provide clarification to Agnico Eagle, the NIRB's Monitoring Officer, government departments and Regulatory Authorities, regarding the monitoring program established pursuant to Article 12, Section 12.7 of the *Nunavut Agreement* and s 135 of *NuPPAA*. As the Meliadine Gold Project has gone into operations, and the Project Certificate has been updated, the NIRB is now in a position to work towards issuing the PEAMP for the Meliadine Project.

- The NIRB will work with Agnico Eagle and parties in the 2019-2020 monitoring year to develop Appendix A and to provide guidance to all participants in the monitoring of the Meliadine Project.

5.0 FINDINGS

As noted in [Section 1.0](#), the objectives of the NIRB's monitoring programs are:

- a) *Measure the relevant effects of projects on the ecosystemic and socio-economic environments of the Nunavut Settlement Area;*
- b) *Determine whether, and to what extent, the land or resource use in question is being carried out within the predetermined terms and conditions;*
- c) *Provide the information base necessary for agencies to enforce terms and conditions of land or resource use approvals; and*
- d) *Assess the accuracy of predictions contained in the project impact statements.*

Hunter Harvest Survey

Board Recommendation No. 3 from 2017 and Board Recommendation No. 6 from 2018 both relate to the Hunter Harvest Survey for the Meliadine Project as the NIRB has not received the Hunter Harvest Survey Plan from Agnico Eagle. The NIRB appreciates the updates from the Kangiqliniq Hunters and Trappers Organization (KHTO) and that a memorandum of understanding was signed in 2019; however, the development and implementation of a Hunter Survey Plan still has not occurred. Terms and Conditions 46 and 48 require the Proponent to work with the KHTO, the Kivalliq Inuit Association, and the Government of Nunavut to gather baseline and monitoring data related to harvesting to understand the impacts of the all-weather access road (AWAR) on caribou harvest. Further, Term and Condition 105 encourages consultation with local outfitting and guiding businesses be included for this survey.

As part of the original assessment for the Meliadine Gold Mine Project, Agnico Eagle highlighted at the Final Hearing that it would collaborate to develop the Hunter Harvest Survey and many intervenors supported the concept of the plan and its development and implementation. It was important to ensure that information was captured regarding the wildlife (specifically caribou) in the area as the AWAR followed a traditional hunting route and the Meliadine Gold Mine Project was taking place in a known post-calving area for the Qamanirjuaq and Beverly herds. In the Final Hearing Report, the Board stressed both the importance of monitoring impacts to the terrestrial environment as well as impacts to the socio-cultural environment. The expectation of the Hunter Survey plan was also to link baseline and regular monitoring data with information from hunters in order to assess the impact of the AWAR on caribou and other wildlife due to the uncertainty related to increased accessibility to caribou and increased traffic throughout the area. The plan was expected to be in place prior to preconstruction of the Project. Agnico Eagle has provided updates to the Board regarding development of a more regional approach to the survey as it has also discontinued the Hunter Harvest Survey at Meadowbank and wanted to redesign the plan to ensure long-term success. In 2017, Agnico Eagle stated that the survey would be modelled after the one in place at its Meadowbank mine, which was being refined due to decreasing participation, and in 2018 a similar commitment was made.

The Board is troubled that the Hunter Harvest Survey is not in place given that operations have commenced at the Meliadine site, the 2018 AWAR traffic was double that which was predicted in the Final Environmental Statement (FEIS), and additional traffic on the road was recently approved with the saline effluent amendment. The Board requires this gap in Agnico Eagle's monitoring program for the development of the Meliadine site be addressed as Agnico Eagle intends to develop the Discovery Deposit and associated roads in 2024, and the lack of data that is currently not collected will now make it more difficult to identify trends. This is also important at the Meadowbank site as this knowledge is important as Agnico Eagle is proposing additional development in the region through the Whale Tail Pit Project, the associated Whale Tail Pit Expansion Proposal, and other exploration developments.

Dust Monitoring

Term and Condition 3 of the Meliadine Gold Mine Project Certificate requires that the Proponent monitor dust along the all-weather access road (AWAR) as well as project associated roads and trails. The development of the dust management plan was discussed during the Final Hearing for the Meliadine Gold Mine Project due to several concerns from parties, specifically related to assumptions and uncertainty of conclusions based on the knowledge from other northern projects such as the Meadowbank Gold Mine Project. Community members also expressed concerns related to dust as the by-pass road is adjacent to Rankin Inlet's water source, Nipissar Lake. In the Final Hearing Report, the Board also expressed concerns related to dustfall and vehicle traffic as both of these were provided as predictions in the Agnico Eagle's Final Environmental Impact Statement (FEIS). During the Final Hearing Agnico Eagle committed to monitor and adjust their dust mitigation strategies as required throughout the life of the Meliadine Gold Mine Project.⁵

The Board emphasizes that traffic levels are nearly at twice what was predicted in the original FEIS and traffic is expected to increase again due to the transport of saline effluent for disposal

⁵ Final Hearing Report, Document ID No. 287854

into Melvin Bay, which commenced in 2019. The Board acknowledges that Agnico Eagle has developed a Dust Management Plan with the Road Management Plan; however, the Board would like more information about dust suppressants and their effectiveness at the Meliadine site.

Waste Management and Capacity Issues at Waste Facilities

The Board was disappointed to learn that the Meliadine site appeared different than the Meadowbank/Whale Tail sites. At Meadowbank/Whale Tail Project sites, Agnico Eagle maintains the wastes, construction materials, and other assorted items required to construct and operate these sites in a visually appealing manner with minimal debris laying around the sites. However, during the 2019 site visit, NIRB staff observed that the Meliadine Project did not appear as clean and organized as the Meadowbank/Whale Tail Projects and staff observed materials and debris laying around site where it should not be. Agnico Eagle has ensured that at all the Meliadine Project sites, waste is sorted and placed appropriately; however, there remained a substantial amount of materials and debris laying around ponds and buildings. Further, during the 2019 site visit NIRB staff were informed that the landfill and landfarm were at their design capacity and Agnico Eagle did not have information or plans available on how these sites would be managed to continue meeting the needs of the operation as the facility capacity has been reached. Information was also not available on when the temporary fuel tank farm and temporary landfarm at the exploration site will had been planned for closure and reclamation. It was observed that the work had not started despite the initial plan to remediate and clean up these sites by 2018; a similar issue is also noted at the Meadowbank Project.

Under the theme of adaptive management and the precautionary principle, the Board shared the same concern as the Kivalliq Inuit Association and the Government of Nunavut that 22 Arctic foxes were destroyed at the Meliadine Project. The Board also stated concerns for not only the attractant of large numbers of scavengers to the Meliadine Project site but the potential human health and safety issue as some of the foxes could be carrying rabies and the potential for attraction of larger scavengers and/or wildlife. The NIRB staff at site did not observe any wildlife deterrents at any of the waste facilities and the Board would emphasize that Term and Condition 75 requires the Proponent to implement mitigation measures and monitoring programs to limit the attraction of predators and scavengers to Project facilities. Again, NIRB staff observed that segregation and storage of all domestic, hazardous, and combustible wastes appear to be conducted appropriately; however, the site continues to attract wildlife and Agnico Eagle will also need to consider Term and Condition 55 which required the establishment of thresholds for project-related mortality of foxes and other wildlife, compensation agreements, and the adaptive management that would take place once that threshold is reached.

Recommendations to address the above concerns have been provided to Agnico Eagle under separate cover.

6.0 CONCLUSION

During the 2018-2019 monitoring period, Agnico Eagle demonstrated compliance with the majority of the applicable requirements of the Project Certificate of the Meliadine Gold Mine Project. Further, Agnico Eagle is generally meeting the objectives of monitoring and mitigation plans and procedures put in place for the projects. However, certain outstanding issues will require

the Proponent's attention as discussed throughout this report with the main issues identified in this monitoring period as follows:

1. Lack of achievement or progress towards achieving of the following term and conditions: 3, 6, 8, 10, 11, 33, 36, 37, 41, 44, 46, 48, 56, 71, 74, 86, 100, 104, 105, 113, 114, 116, and 125
2. Improvements to the Annual Report;
3. Updates to Meliadine project plans to ensure they incorporate the most up to date information and ensure clear communication across departments at site;
4. Increase in reportable spills and required adaptive management to the plans for Meliadine;
5. Development and implementation of a Hunter Harvest Survey;
6. Ineffective dust control along the AWAR;
7. Waste Management strategies; and
8. Requirement for the development of the Post-Environmental Assessment Monitoring Program.

Prepared by: Kelli Gillard, B.Sc., PAg

Date: October 28, 2019

Signature:



Reviewed by: Jaida Ohokannoak

Title: Technical Advisor II

Date: October 28, 2019

Signature:



Appendix 1: Compliance with the Meliadine Gold Mine Project Certificate No. 006

<u>TERM & CONDITION</u> <u>(NIRB PROJECT CERTIFICATE</u> <u>NO. 006)</u>	<u>REPORTING REQUIREMENTS</u>	<u>COMPLIANCE ACHIEVEMENT</u>
AIR QUALITY		
1: Updated Air Quality Monitoring Plan	<i>The updated plan should be submitted to the NIRB at least 90 days prior to the start of construction, with results submitted annually thereafter or as may otherwise be required.</i>	In compliance. See: <ul style="list-style-type: none"> <i>Air Quality Monitoring Plan, Version 1</i> (November 2015) <i>Terrestrial Environment Management and Monitoring Plan (TEMMP), Version 2</i> (November 2015) <p>Air monitoring commenced 2018 and prior to 2019 freshet Agnico Eagle started snowpack survey.</p>
2: Emissions monitoring	<i>The Proponent shall report on the development and implementation of this Plan and associated monitoring results annually to the NIRB. The report must clearly identify the parameters being evaluated if the results are being compared to predicted levels set out in the Environmental Impact Statement or limits established by applicable guidelines and regulations.</i>	In compliance. See Agnico Eagle's <i>Meliadine Gold Project 2018 Annual Report</i> , in which it is noted that the measured annual average concentrations were well below the Government of Nunavut Ambient Air Quality Standards, and FEIS maximum predicted values.
3: Dust Management and Monitoring Plans	<i>The updated plan should be submitted to the NIRB for review and comment at least 60 days prior to commencement of construction activities.</i>	Partially in compliance. Updated <i>Dust Management plan version 5</i> (March 2019) submitted within the <i>Roads Management Plan, version 7</i> (March 2019). Stated that calcium chloride was used along the Awaruk River in 2018. Committed to ensuring dust suppressant and/or water would be used along the Awaruk River in 2019. During the 2019 site visit, dust related to traffic on the Awaruk River appeared to be still an issue.
4: Incineration Management Plan	<i>The updated plan should be submitted to the NIRB for review and comment at least 60 days prior to commencement of construction activities [construction of the incinerator].</i>	In compliance. See: <ul style="list-style-type: none"> <i>Incineration Management Plan, Version 6</i> (February 2019)
5: Provide stack testing results	<i>Stack test results are to be reported to the NIRB and to Environment Canada annually, or as may otherwise be required.</i>	In compliance. Stack testing was conducted as per <i>Incineration Management Plan, Version 6</i> (February 2019) in 2018 and results provided.

TERM & CONDITION (NIRB PROJECT CERTIFICATE No. 006)	REPORTING REQUIREMENTS	COMPLIANCE ACHIEVEMENT
		During the 2019 site visit, the functionality of the incinerator and the building were issue.
6: Dust suppression measures at landfill	<i>Implementation of these measures shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	<p>Partially In compliance. See also Condition #3.</p> <p>The landfill is progressively capped during the activity and visually monitored for dust application. Landfill was added to the dust management plan in 2018.</p> <p>During the 2019 site visit staff were told the landfill is at its 10 capacity and it is unclear how much topping or capping have occurred to date.</p>
CLIMATE AND METEOROLOGY		
7: calculations of greenhouse gas emissions generated by the Project	<i>Implementation of these measures shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	<p>In compliance. <i>Greenhouse Gas Emissions Reduction Plan, Version 1 (Jan 2019).</i></p> <p>See Agnico Eagle's <i>Meliadine Gold Project 2018 Annual Report</i>. The Proponent has estimated that total Greenhouse Gas (GHG) emissions were 62.05 kt/yr tonnes CO₂ equivalent in 2018.</p>
8: Engage Inuit in initiatives related to climate change when undertaking climate-change related studies and research.	<i>A summary of consultation and how the information was used to inform planning for the Project shall be provided in the Proponent's annual report to the NIRB.</i>	<p>Partially In compliance. The Proponent included information in its 2018 annual report and has continued to engage with Inuit and an MOU signed with the KHTO to assist with participation in different studies related to climate change.</p> <p>Agnico Eagle also stated that it would be offering an education program in association with the University of Saskatchewan.</p> <p>The NIRB looks forward to updates in the 2019 Annual Report.</p>
9: Greenhouse Gas Emissions (GHG) Reduction Plan	<i>The plan should be submitted to the NIRB at least 90 days prior to the commencement of operations.</i>	<p>In compliance. <i>Greenhouse Gas Emissions Reduction Plan, Version 1 (Jan 2019)</i> submitted to the NIRB in February 2019.</p> <p>The NIRB looks forward to hearing updates regarding implementation in the Proponent's 2019 Annual Report.</p>
NOISE AND VIBRATION		

<u>TERM & CONDITION</u> <u>(NIRB PROJECT CERTIFICATE</u> <u>NO. 006)</u>	<u>REPORTING REQUIREMENTS</u>	<u>COMPLIANCE ACHIEVEMENT</u>
10: Noise and Vibration Abatement Plan	<i>The finalized noise abatement plan should be submitted to the NIRB at least 90 days prior to the commencement of construction.</i>	<p>Partially in compliance. See:</p> <ul style="list-style-type: none"> • <i>Noise Abatement and Monitoring Plan, Version 2 (March 2017)</i> • <i>Terrestrial Environment Management and Monitoring Plan (TEMMP), Version 2 (November 2015)</i> <p>Agnico Eagle noted in the 2018 Annual Report that there was issues with collecting noise data in 2018 due to a number of factors and that there were issues with the vibration monitoring equipment so no monitoring until January 2019. Plans were made for 2019 in order to ensure collection of this data.</p>
11: Noise and Vibration Monitoring at accommodation sites.	<i>Monitoring results and implementation of these measures shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	<p>Partially in compliance. See:</p> <ul style="list-style-type: none"> • <i>Agnico Eagle's Meliadine Gold Project 2018 Annual Report – Appendix H-4: Noise Monitoring Report (March 2019)</i> <p>Agnico Eagle noted in the 2018 Annual Report that collection of vibration data was limited due to equipment malfunction. Agnico Eagle has had the equipment repaired and intends to monitor in 2019.</p>
<u>TERRESTRIAL ENVIRONMENT</u>		
12: Permafrost mapping and monitoring	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition as well as the results of mapping to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. See Agnico Eagle's <i>Meliadine Gold Project 2018 Annual Report – Appendix B-1: 2018 Annual Geotechnical Inspection</i> (February 2019).
13: Terrain and soils, geotechnical investigations	<i>The updated plan is to be submitted to the NIRB within 90 days of the issuance of a Project Certificate. Implementation of these measures, updates to the Plan, and monitoring results shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	<p>In compliance. The Proponent submitted an updated Environmental Management and Protection Plan within 90 days of issuance of the Project Certificate (<i>Version 4</i> - April 2015), and has included an updated plan annually since then (version 9, March 2019).</p> <p>Agnico Eagle's <i>Meliadine Gold Project 2017 Annual Report – Appendix B-1: 2018 Annual Geotechnical Inspection</i> (February 2019) includes recommendations and the Proponent's implementation plan to address the recommendations.</p>

<u>TERM & CONDITION (NIRB PROJECT CERTIFICATE NO. 006)</u>	<u>REPORTING REQUIREMENTS</u>	<u>COMPLIANCE ACHIEVEMENT</u>
14: Dike and tailings storage facility design.	<i>Details are to be provided to the NIRB at least 60 days prior to the commencement of construction, and the results of any required additional reporting shall be submitted to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. See Agnico Eagle's <i>Meliadine Gold Project 2018 Annual Report – Appendix B-1: 2018 Annual Geotechnical Inspection</i> (February 2019).
15: Tailings storage facility Design and Management	<i>A summary of the assessment and updated plans should be submitted to the NIRB 6 months following issuance of the Project Certificate and the results of any required additional reporting shall be submitted to the NIRB through the Proponent's annual monitoring report.</i>	Partially in compliance. Scenarios for dike/TSF failures and associated mitigation activities contained within the Proponent's <i>Risk Management and Emergency Response Plan, Version 4</i> (April 2015) and closure and post-closure monitoring details are provided in the <i>Preliminary Closure and Reclamation Plan, Version 1</i> (April 2015). Within its 2017 Annual Report (Appendix M), the Proponent noted that dewatered dry-stack tailings was chosen over a conventional slurry tailings storage facility due to better environmental performance and inherently lower risk.
16: Erosion Management Plan	<i>Finalization of plan, implementation of these measures and monitoring results as well as any subsequent updates to the Plan, shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	In compliance (see also Conditions #16 and #32). See: <ul style="list-style-type: none"> • <i>Water Management Plan – Appendix B: Freshet Action Plan, Version 6</i> (March 2019) • <i>Roads Management Plan, Version 7</i>, (March 2019).
17: Permafrost Integrity	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition, including the results of monitoring or adaptive management strategies, to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. The Proponent continues to monitor and map permafrost conditions through its thermal monitoring program. See <i>Meliadine Gold Project 2018 Annual Report – Appendix B-1: 2018 Annual Geotechnical Inspection</i> (February 2019). The NIRB notes that several thermistors have stopped working due to construction damage and would encourage Agnico to ensure they are maintaining the appropriate level of monitoring to ensure permafrost is maintained.
18: As-built drawings and final design plans	<i>The Proponent shall submit copies of the drawings and final designs as they are completed as well as provide a summary discussion of its implementation of this term and condition to the</i>	In compliance. The NIRB has been copied on correspondence between the Proponent and the NWB regarding final designs for Project infrastructure. The NIRB also received monthly construction summary reports from the Proponent. As the Project

<u>TERM & CONDITION</u> <u>(NIRB PROJECT CERTIFICATE</u> <u>NO. 006)</u>	<u>REPORTING REQUIREMENTS</u>	<u>COMPLIANCE ACHIEVEMENT</u>
	<i>NIRB through the Proponent's annual monitoring report.</i>	is now in Operations the last report was received in June of 2019 and the proponent is encouraged to work with the NIRB to ensure a full set of plans is available on the public registry.
19: Tailings and Waste Rock Monitoring Program	<i>Details of the monitoring program should be submitted to the NIRB at least 90 days prior to the establishment of either facility, with subsequent plan revisions or updates submitted annually thereafter. Results of any required reporting shall be submitted to the NIRB through the Proponent's annual monitoring report.</i>	<p>Partially in compliance. Tailings Storage Facility Monitoring program has not yet been submitted to the NIRB but was submitted to the NWB November 15, 2018 and the NIRB in 2018 Annual Monitoring Report. The Waste Rock Facility Storage monitoring program would be submitted prior to construction.</p> <p>The NIRB does note that the construction of the Waste Rock facility was not required in 2018 as the rock was used in construction.</p>
20: Closure and Reclamation Plan	<i>The updated plan is to be submitted to the NIRB within 6 months of the issuance of the Project Certificate. Implementation of these measures and monitoring results as well as any subsequent updates to the Plan, shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	<p>Partially in compliance. See also Conditions #41 and #42.</p> <p>Recognizing the Project was in Construction in 2018, the NIRB is satisfied at present given submission of the following:</p> <ul style="list-style-type: none"> • <i>Risk Management and Emergency Response Plan, Version 4</i> (April 2015) • <i>Preliminary Closure and Reclamation Plan, Version 1</i> (April 2015) <p>However, the NIRB continues to note that topsoil/organic matter salvage is not discussed in these versions and encourages the Proponent to do so in future with explicit consideration of lessons learned from closure and reclamation activities at Meadowbank. Further Agnico Eagle is working with the University of Saskatchewan on reclamation studies.</p> <p>Agnico Eagle has committed to completing the Interim Closure and Reclamation Plan within six months of commercial operations which commenced in May 2019. The NIRB anticipates submission of the plan.</p>
21: Waste Management Plan	<i>The updated plan is to be submitted to the NIRB at least 90 days prior to operation of Project landfills. Implementation of these</i>	In compliance. The Proponent submitted an updated <i>Landfill and Waste Management Plan, Version 7</i> (March 2019) in which it notes that based on the proposed design, management and

<u>TERM & CONDITION</u> <u>(NIRB PROJECT CERTIFICATE</u> <u>NO. 006)</u>	<u>REPORTING REQUIREMENTS</u>	<u>COMPLIANCE ACHIEVEMENT</u>
	<i>measures and monitoring results as well as any subsequent updates to the Plan, shall be reported and discussed in the Proponent's annual report to the NIRB</i>	<p>operating procedures, a liner for the landfill is not considered necessary.</p> <p>The Landfill and Waste Management Plan includes the objective of reducing, reusing, and recycling to minimize wastes. During the NIRB's 2019 Site Visit, NIRB staff observed that Agnico Eagle continues to have a lot of pallets on site. In order to further minimize wastes and to improve environmental stewardship and aesthetics Agnico Eagle noted that they are working with the community of Rankin Inlet to determine the best ways of distributing the pallets.</p> <p>The NIRB was also informed that the facility was at its 10-year capacity and would encourage the Proponent to incorporate lessons learned at the Meadowbank site where composting has started.</p>
<u>GEOLOGY (INCLUDING GEOCHEMISTRY)</u>		
22: Adaptations to the Mine Waste Management Plan and practices based on results obtained through monitoring.	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition, including the results of monitoring or adaptive management strategies, to the NIRB through the Proponent's annual monitoring report.</i>	Partially in compliance. See <i>Mine Waste Management Plan version 5 (March 2019)</i> .
23: Mine Waste Management Plan – Discovery Deposit.	<i>Details of the Plan should be submitted at least 90 days prior to construction at the Discovery deposit, with subsequent plan revisions submitted annually thereafter; if accompanying the Proponent's annual report to the NIRB the document must be separated so as to be directly retrievable via the NIRB's public registry. Results of any required reporting shall be submitted to the NIRB through the Proponent's annual monitoring report.</i>	Not yet achieved / not yet applicable. The Proponent has indicated it will begin excavation at the Discovery deposit in 2024.
<u>HYDROGEOLOGY AND GROUNDWATER QUANTITY AND QUALITY</u>		
24: Hydraulic data	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition (including the results</i>	In compliance. The Proponent submitted results of its 2015 hydrogeological investigations in 2016. The NIRB expects

<u>TERM & CONDITION (NIRB PROJECT CERTIFICATE No. 006)</u>	<u>REPORTING REQUIREMENTS</u>	<u>COMPLIANCE ACHIEVEMENT</u>
	<i>of monitoring or adaptive management strategies) to the NIRB through the Proponent's annual monitoring report.</i>	updated reports and/or information in the Annual Report throughout operations.
25: Groundwater Management Plan	<i>An updated plan shall be submitted to the NIRB within 90 days of receipt of the amended Project Certificate. The Proponent shall provide a summary discussion of its implementation of this Term and Condition, including the results of monitoring or adaptive management strategies, to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. See <i>Groundwater Management Plan</i> , Version 4 (March 2019). The NIRB also notes the Proponent's submission of an FEIS Addendum (June 2018) in support of the NIRB's review of Agnico Eagle's proposal to discharge saline effluent to the marine environment was approved and the Project Certificate was amended and released on February 26, 2019.
26: Pit Refill Rates	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. Estimates of the approximate fill time for the mine pits at closure were provided in the <i>Water Management Plan, Volume 6</i> (March 2019). The NIRB expects updates to this analysis in future years as appropriate.
HYDROLOGY (INCLUDING SURFACE WATER QUANTITY) AND WATER AND SEDIMENT QUALITY		
27: Aquatic Effects Monitoring Plan (AEMP)	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition, including the results of monitoring or adaptive management strategies, to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. See: <ul style="list-style-type: none"> • <i>Aquatic Effects Monitoring Program (AEMP) Version 2</i> (October 2018) • <i>Air Quality Monitoring Plan, Version 1</i> (November 2015) • <i>2018 Annual Report – Appendix G-1</i>
28: Sediment and Erosion Management Plan	<i>The Proponent shall provide a summary discussion of its implementation of the plan, including the results of monitoring or adaptive management strategies, to the NIRB through the Proponent's annual monitoring report.</i>	Partially in compliance (see also Conditions #16 and #32). See: <ul style="list-style-type: none"> • <i>Water Management Plan – includes Freshet Action Plan, Version 6</i> (March 2019) • <i>Roads Management Plan, Version 7</i> (March 2019). • <i>Meliadine Gold Project 2018 Annual Report, Appendix B-1: 2018 Annual Geotechnical Inspection</i> (February 2019). <p>It is unclear in the 2018 Annual Report the implementation and results of the monitoring and adaptive management strategies. It is also important to note that Agnico Eagle had some high TSS rates during the 2018 freshet and made some</p>

<u>TERM & CONDITION</u> <u>(NIRB PROJECT CERTIFICATE</u> <u>NO. 006)</u>	<u>REPORTING REQUIREMENTS</u>	<u>COMPLIANCE ACHIEVEMENT</u>
		changes to the operation of Itivia and the NIRB looks forward to reviewing the results in the 2019 Annual Report.
29: Water Infrastructure Monitoring	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition, including the results of monitoring or adaptive management strategies, to the NIRB through the Proponent's annual monitoring report.</i>	<p>In compliance. See:</p> <ul style="list-style-type: none"> • <i>Water Management Freshet Action Plan, Version 5</i> (March 2019) • <i>Roads Management Plan, Version 7</i>, March 2019). • <i>Meliadine Gold Project 2018 Annual Report, Appendix B-1: 2018 Annual Geotechnical Inspection</i> (February 2019). <p>The Proponent has indicated that water from culverts is not utilized for domestic or industrial purposes.</p>
FRESHWATER AQUATIC ENVIRONMENT		
30: Aquatic Effects Monitoring Plan (AEMP) to include, at a minimum info related to reference lakes, sedimentation and additional testing for fish	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition, including any updates to the Plan, to the NIRB through the Proponent's annual monitoring report.</i>	<p>In compliance. See:</p> <ul style="list-style-type: none"> • <i>Aquatic Effects Monitoring Program (AEMP) Version 2</i> (October 2018) • 2018 Annual Report - Appendix G-1.
31: Setback distance between project quarries and fish-bearing or permanent water bodies	<i>Implementation of these measures shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	In compliance. The NIRB notes the Proponent's <i>Borrow Pits and Quarries Management Plan, Version 6</i> (March 2018) commits to maintaining a setback of at least 31 m from watercourses where possible. In addition, the Proponent reported in its 2018 Annual Report that all rock samples from quarries were not potentially acid generating (NPAG).
32: Site Drainage and Silt Control Plan	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition, including any updates to the Plan, to the NIRB through the Proponent's annual monitoring report</i>	In compliance (see also Conditions #16 and #32). See: <ul style="list-style-type: none"> • <i>Water Management Plan – Appendix B: Freshet Action Plan, Version 5</i> (March 2019) • <i>Roads Management Plan, Version 7</i>, March 2019).
33: Blasting	<i>Implementation of these measures shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	<p>Partially in compliance.</p> <p>Due to equipment malfunction and availability, no monitoring occurred in 2018. Equipment has been fixed and monitoring at the pit recommenced in January 2019.</p>
34: Watercourse maintenance	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition, including any</i>	In compliance. The NIRB recognizes that the Project is in operations and acknowledges the Proponent's planned management and mitigation discussed in its

<u>TERM & CONDITION</u> <u>(NIRB PROJECT CERTIFICATE</u> <u>NO. 006)</u>	<u>REPORTING REQUIREMENTS</u>	<u>COMPLIANCE ACHIEVEMENT</u>
	<i>updates to the Plan, to the NIRB through the Proponent's annual monitoring report.</i>	<i>Water Management Plan and Roads Management Plan such as use of screens on water intake pipes, use of clear-span bridges, and avoiding in-water construction works during sensitive periods, as per guidelines from Fisheries and Oceans Canada.</i>
VEGETATION		
35: Site Footprint	<i>A summary of consultation and how the information was used to inform planning for the Project shall be provided in the Proponent's annual report to the NIRB</i>	<p>In compliance. See also Condition #73 Agnico Eagle has reported that locations chosen for the Meliadine River bridge and the Itivia laydown area, the route of the AWAR, etc. took into account comments from local communities.</p> <p>In Agnico Eagle's 2018 Annual Report for the Meliadine Gold Mine (Appendix H-6), it is a preliminary estimate of approximately 484 ha is reported. This estimate was broken down by plant communities and specific habitat types. In the 2017 TEMMP report, the Proponent indicated it will, at three (3) year intervals, report on the area of the mine footprint compared to the permitted area, beginning in the first year post-construction.</p>
36: Invasive Species – vehicle inspections	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition to the NIRB through the Proponent's annual monitoring report.</i>	Partially in compliance. The Proponent reported in its 2018 Annual Report that it commenced vehicle inspections in 2018; however, no paperwork was completed so in 2019 there would be a checklist to use.
37: Monitoring for invasive species	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition, including any updates to the Plan, to the NIRB through the Proponent's annual monitoring report</i>	Partially in compliance. The Proponent's <i>Terrestrial Environment Management and Monitoring Plan, Version 2</i> (November 2015) indicates that "Surveys for non-native invasive plant species will be undertaken in disturbed areas...." However, specific monitoring protocols for invasive plants are not provided. In the 2018 TEMMP report (March 2019), the Proponent noted that only 2 instances of invasive plants (common dandelion) were observed along the AWAR while conducting site inspections. However, the NIRB continues to expect a protocol to be included in the next revision of the TEMMP.

<u>TERM & CONDITION (NIRB PROJECT CERTIFICATE NO. 006)</u>	<u>REPORTING REQUIREMENTS</u>	<u>COMPLIANCE ACHIEVEMENT</u>
38: Vegetation – updated baseline and ongoing monitoring	<i>Monitoring results and implementation of these measures shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	In compliance. See 2018 Terrestrial Effects Monitoring and Mitigation Program Annual Report (March 2019).
39: Vegetation Monitoring	<i>Details for the program are to be submitted to the NIRB within 6 months of the issuance of the Project Certificate. Implementation of these measures, updates to the Plan, and monitoring results shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	In compliance. See 2018 Terrestrial Effects Monitoring and Mitigation Program Annual Report (March 2019). The NIRB expects loss and disturbance of caribou habitat to be reported on as per condition #73.
40: Vegetation – Adaptive Management	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition, including any updates to the Plan, to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. See also conditions #35 and #73. See 2018 Terrestrial Effects Monitoring and Mitigation Program Annual Report (March 2019).
41: Vegetation – reclamation and revegetation	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition, including any updates to the Plan, to the NIRB through the Proponent's annual monitoring report</i>	Partially in compliance. See also Condition #42 The Proponent commenced a re-vegetation study developed with the University of Saskatchewan in 2018. The NIRB expects details of the study - including objectives, methodologies, schedule, and reference to other northern mines if applicable - to be provided within Agnico Eagle's subsequent annual report. During the 2019 Site Visit the NIRB learned that part of the vegetation plots were disturbed and/or destroyed during construction.
42: Vegetation – closure and reclamation plan	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition to the NIRB through the Proponent's annual monitoring report.</i>	Not yet achieved/Not yet applicable. See also Condition #41. The Proponent's Preliminary Closure and Reclamation Plan, Version 1 (April 2015) indicates that disturbed areas such as the tailings storage facility and waste rock storage facility will be progressively reclaimed to allow for natural revegetation. Recognizing the Project has recently moved into operations in May 2019 and would be submitting the interim closure and reclamation plan in the next six months, and which may also allow for lessons from Meadowbank to be incorporated.

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TERRESTRIAL WILDLIFE AND WILDLIFE HABITAT		
43: Terrestrial Environment Management and Monitoring Plan - Thresholds	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition, including any updates to the Plan, to the NIRB through the Proponent's annual monitoring report</i>	In compliance. The <i>Terrestrial Environment Management and Monitoring Plan, Version 2</i> (November 2015). The NIRB expects a revised TEMMP as the Project advances, along with a record of consultation / coordination with other stakeholders and agencies and an indication of how such information was incorporated into the refined TEMMP. Agnico Eagle committed to a revision the TEMMP and the KHTO will participate.
44: Caribou Monitoring	<i>Results of discussions, implementation of measures, updates to the Plan, and monitoring results shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	Partially in compliance. See commitment #45 below. Caribou data was updated in 2018 and Agnico Eagle continues to provide support for the GN. Agnico Eagle committed to working with the KHTO through MOU on additional wildlife surveys and the Hunter Harvest Survey [see Condition #46].
45: Wildlife General Monitoring	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition, including the results of monitoring, adaptive management strategies, consultation, and contribution efforts undertaken, to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. The Proponent summarizes in its Terrestrial Environment Management and Monitoring Plan (TEMMP) that it: <ul style="list-style-type: none"> • Provides support for the Government of Nunavut's (GN) caribou satellite-collaring program for the Qamanirjuaq herd • Provides the GN - Department of Environment with in-kind contributions and support for regional muskoxen surveys [see Condition #52] • Is planning a hunter harvest survey [see Condition #46] • Is collaborating with the KHTO to conduct wildlife surveys along the AWAR • Is collaborating with the <i>Arctic Raptor Project</i>.

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46: Hunter Harvest Survey	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition (including the results of monitoring, adaptive management strategies, and contribution efforts undertaken) to the NIRB through the Proponent's annual monitoring report.</i>	Not yet achieved. See also condition #105. In January 2018, in response to the Board's 2017 recommendations, the Proponent noted that it has initiated a Hunter Harvest Study committee with elders, the KIA, GN, and HTO representatives, and that a 3 rd -party consultant will be used to develop a new HHS in time for the 2018 fall caribou migration. In its 2017 Annual Report, the Proponent also noted that Agnico Eagle is initiating discussions with the HTO regarding implementation. In the 2018 Annual Report Agnico Eagle confirmed a MOU was signed with the KHTO and work would commence in 2019.
47: Caribou Monitoring – Collar data	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition, including any updates to the Plan, to the NIRB through the Proponent's annual monitoring report</i>	In compliance. In its 2017 Annual Report (Appendix M), Agnico Eagle noted that it entered into a Memorandum of Understanding with the GN on March 1, 2017 to share and increase the common knowledge of possible disturbance effects on caribou and muskoxen and their migration.
48: Management of Road Access	<i>Road Access Management Agreement to be submitted to the NIRB at least 60 days prior to the commencement of increased traffic related to the marine outflow activities, with implementation of these measures and monitoring results as well as any subsequent updates to the Plan, reported and discussed in the Proponent's annual report to the NIRB.</i>	Not yet achieved. See also condition #46. In its <i>Roads Management Plan, Version 7</i> (March 2019), the Proponent indicates it will develop a Road Access Management Agreement that endorses the measures of this Condition. Agnico Eagle committed to submitting the Road Access Management Agreement at least 60 days prior to the commencement of increased traffic related to the marine outflow activities. The NIRB has not yet received the aforementioned material to meet the requirements of this Term and Condition.
49: Ensure proper permitting in place through NRI	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition to the NIRB through the Proponent's annual monitoring report.</i>	Not applicable. The Proponent indicated within its 2018 Annual Report that it currently does not have any active NRI permits in its name.
50: Recovery of terrestrial wildlife habitat	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition to the NIRB through the Proponent's annual monitoring report.</i>	Partially in compliance. See also condition #42. Agnico Eagle commenced a revegetation study in collaboration with the University of Saskatchewan in 2018. In the 2019 site visit the NIRB learned that some of the test plots were disturbed.

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51: Iqalugaaruup Nunanga Territorial Park.	<i>Information regarding the Proponent's consultation, coordination and other contribution efforts undertaken in fulfillment of this term and condition shall be provided in the Proponent's annual report to the NIRB.</i>	In compliance. See also Condition #70 See: <i>Wildlife Protection and Response Plan version 8 (January 2019)– Appendix A: Air Traffic Management Plan</i> (2018).
52: Muskox monitoring programs	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. See Condition #45 and #47.
53: Furbearer surveys	<i>Survey results shall be submitted to the NIRB at least 60 days prior to the commencement of traffic associated with the transport of saline water on the all-weather access road. Implementation of these measures and monitoring results as well as any subsequent updates to the Plan, shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	Partially in compliance. Survey completed in 2018 and report submitted to the NIRB in December 2018. No active den sites were observed. The NIRB notes the Proponent intends to complete follow-up surveys in 2019 prior to commencement of increased traffic associated with the transport of saline water on AWAR.
54: Movement of Wildlife	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition to the NIRB through the Proponent's annual monitoring report.</i>	<p>In compliance. The Proponent's Final Environmental Impact Statement (FEIS) and Terrestrial Environment Management and Mitigation Plan (TEMMP) indicates that the design of roadways is such that wildlife movement should not be affected (e.g., by creating shallower shoulder angles on the access road, and by using finer gravel rather than large boulders on haul roads); snow is also levelled at the edges of roads to minimize barriers.</p> <p>The NIRB understands in 2018/2019 the Proponent is unsure if it will be constructing the ATV/snowmobile trail to bypass the mine site (running from the Meliadine Mine Gatehouse to the Meliadine esker) as the trail may not be required.</p> <p>The NIRB has not been made aware of any issues with wildlife crossing and expects that wildlife monitoring associated with the Terrestrial Environment Management and Mitigation Plan (TEMMP), as well as continued consultation/communication</p>

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		with the public and other stakeholders would indicate any issues with wildlife being able to cross the road and trails.
55: Wildlife Mortality	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. See: <ul style="list-style-type: none"> • <i>Terrestrial Environment Management and Mitigation Plan</i> (November 2015) • Inuit Impact Benefit Agreement (IIBA) between the Proponent and the Kivalliq Inuit Association.
56: Terrestrial Monitoring Reporting	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition (including the results of monitoring, adaptive management strategies, consultation, and contribution efforts undertaken) to the NIRB through the Proponent's annual monitoring report.</i>	Partially in compliance. See Condition #61. The NIRB acknowledges the Project was in construction in 2018 and acknowledges receipt of the second (2018) Annual Terrestrial Environment Management and Monitoring Plan (TEMMP) Report. The NIRB also acknowledges the improvements in the report; however, there is still some areas that need improving as some of the items specified in this condition were not addressed in the report. For example, additional detail on monitoring protocols and survey effort within the year is required, including involvement of Inuit if applicable.
57: Terrestrial trend reporting	<i>The Proponent shall provide its discussion of these factors to the NIRB through the Proponent's annual monitoring report</i>	In compliance. The NIRB acknowledges the Project was in Construction in 2018 and the practicality of an assessment of trends is limited at this time. The Proponent has indicated that it will complete a detailed analysis every three (3) years, beginning with the 2019 annual report that will summarize data from 2017, 2018, and 2019.
BIRDS AND BIRD HABITAT		
58: Migratory Bird Awareness	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB.</i>	In compliance. See <i>Wildlife Protection and Response Plan</i> , Version 8 (January 2019).
59: Birds – Species at Risk nesting	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB.</i>	In compliance. See also condition #61 and #62. See <i>Terrestrial Environment Management and Monitoring Plan</i> , Version 2 (November 2015) for setback distances. The NIRB notes any nests found and any subsequent actions taken by the Proponent should be reported on annually and appropriate timing on surveys is very important to collecting representative data.

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60: Birds – Species at Risk regular updates	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. The NIRB expects the Proponent to regularly check for updates to the Species at Risk registry and associated strategies and plans, and to update its Terrestrial Environment Management and Monitoring Plan or Shipping Management Plan accordingly. In 2017, the Proponent added Harlequin Duck at the request of Environment and Climate Change Canada.
61: Construction and clearing activities – deterrents and checks for nests prior to disturbance	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB.</i>	In compliance. See condition #62 The Proponent informed the NIRB that a migratory bird nest was found 2018 and reported to ECCC.
62: Construction and clearing activities – protection of nests	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB.</i>	In compliance. See Conditions #59 and #61. The NIRB expects any nests found on site and the subsequent actions taken by Agnico Eagle should be reported on annually.
63: Marine Considerations	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB</i>	In compliance. The Proponent commits to notifying Environment and Climate Change Canada of any such bird mortalities in its Shipping Management Plan. The NIRB has not been made aware of any failures to comply with this. The Proponent indicated in its 2018 Annual Report that no bird mortalities occurred that year.
64: Marine Spill plans	<i>The framework should be submitted to the NIRB at least 90 days prior to conducting any Project-related shipping. Implementation of these measures, updates to the Plan, and monitoring results shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	In compliance. See: <i>Shipping Management Plan, Version 8</i> (March 2019).
65: Marine Shipping – ship wakes	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB.</i>	In compliance. See: <i>Shipping Management Plan, Version 8</i> (March 2019).
66: Marine shipping – bird strikes	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB.</i>	Partially in compliance. See: <ul style="list-style-type: none"> • <i>Shipping Management Plan, Version 8</i> (March 2019). • Marine Mammal and Seabird Observer (MMSO) program results (2018 Annual Report, Appendix H-7).

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67: Updated Oil Pollution Prevention Plan	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition (including the results of monitoring or adaptive management strategies) to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. See: <ul style="list-style-type: none"> Oil Pollution Prevention Plan, Version 2 (January 2019) Shipping Management Plan, Version 8 (March 2019).
68: Demonstrate consideration for the potential cumulative effects of other development projects and shipping activities on marine birds in the Hudson Strait	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB.</i>	Not yet applicable. The Proponent has indicated that it will complete its first cumulative effects assessment for the 2019 annual report to allow for three (3) years of data collection. The NIRB looks forward to reviewing the report in this upcoming monitoring season.
69: Flight altitude requirements – horizontal and vertical distances	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB.</i>	In compliance. See also Condition #51. The NIRB acknowledges the Proponent's inclusion of such restrictions in its <i>Terrestrial Environment Management and Monitoring Plan Version 2</i> (November 2015) and its <i>Wildlife Protection and Response Plan – Appendix A: Air Traffic Management Plan</i> (2018). Agnico Eagle has indicated that horizontal and vertical distances in the plan will be brought into compliance in the next review cycle.
70: Flight altitude requirements – flight record log	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB.</i>	In compliance. See also Condition #51 and #69 See: <i>Wildlife Protection and Response Plan – Appendix A: Air Traffic Management Plan</i> (2018).
71: develop detailed and robust mitigation and monitoring plans for migratory birds	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition (including the results of monitoring or adaptive management strategies) to the NIRB through the Proponent's annual monitoring report.</i>	Partially in Compliance. The Proponent has included information regarding the meetings it is having in the annual report and has signed an MOU with the KHTO. The NIRB looks forward to implementation of this term and condition and seeing the results of the 2019 year.
72: Monitoring with key indicators in the TEMMP and EPP	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition (including the results of monitoring or adaptive management strategies) to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. See: <ul style="list-style-type: none"> <i>Terrestrial Environment Management and Monitoring Plan, Version 2</i> (November 2015) <i>Shipping Management Plan, Version 8</i> (March 2019).
73: Monitoring - reporting	<i>Monitoring results and implementation of these measures shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	In compliance. See also Condition #35 In Agnico Eagle's 2018 Annual Report for the Meliadine Gold Mine (Appendix M), it is a preliminary estimate of approximately 484 ha is reported. In the 2017 TEMMP

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		report, the Proponent indicated it will, at three (3) year intervals, report on the area of the mine footprint compared to the permitted area, beginning in the first year post-construction. The NIRB expects this summary to be reported in terms of specific plant habitats and specific wildlife habitats as well.
74: Terrestrial Management and Monitoring Plan (TEMMP) waterfowl and waterbirds monitoring	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition (including the results of monitoring or adaptive management strategies) to the NIRB through the Proponent's annual monitoring report.</i>	Partially in compliance. The TEMMP (2015) includes the Proponent's intent to use deterrents (e.g., cannons) to avoid use of water attenuation ponds by birds. In 2017 the Proponent noted the cannons were found to be ineffective and other methods were being evaluated. The NIRB notes the TEMMP should be revised accordingly and the annual TEMMP report should include monitoring data related to bird use of water attenuation ponds and use of deterrents. In 2019 Agnico Eagle brought in kites and model owls to test and during the 2019 Site Visit NIRB staff learned that the equipment is brought in during the fall/winter months to ensure they are in good condition.
75: Mitigation measures and monitoring programs to limit the attraction of predators and scavengers to Project.	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition (including the results of monitoring or adaptive management strategies) to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. The Proponent reported that it is working on elimination of attractants to wildlife. See <ul style="list-style-type: none"> • <i>Terrestrial Environment Management and Monitoring Plan, Version 2</i> (November 2015) • <i>Landfill and Waste Management Plan, Version 7</i> (March 2019).
MARINE ENVIRONMENT		
76: Update all relevant Plans for the marine environment	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition, including the results of monitoring or adaptive management strategies, and any updates to plans to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. See: <ul style="list-style-type: none"> • <i>Shipping Management Plan, Version 8</i> (March 2019) • <i>Spill Contingency Plan, Version 8</i> (February 2019) • <i>Oil Pollution Emergency Plan, Version 2</i> (January 2019).
77: Spill equipment and training.	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB.</i>	In compliance. See <i>Spill Contingency Plan, Version 8</i> (February 2019). The Proponent also noted in its 2018 Annual Report that it held a mock spill training course in 2018.

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78: Spill prevention - models	<i>Results of the spill dispersion modeling should be submitted to the NIRB at least 90 days prior to the commencement of construction, with requirements for annual reporting to be determined following approval of the Project by the Minister.</i>	In compliance. See <i>Shipping Management Plan, Version 8</i> (March 2019).
MARINE WILDLIFE		
79: Updated Baseline for Shipping Management Plan	<i>Updated baseline should be provided to the NIRB and appropriate authorities prior to the commencement of Project-related shipping. The Proponent shall provide a summary discussion of its implementation of this term and condition (including the results of monitoring or adaptive management strategies) to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. See: <i>Shipping Management Plan, Version 8</i> (March 2019).
80: Baseline information for Melvin Bay	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB.</i>	In compliance. See: <i>Shipping Management Plan, Version 8</i> (March 2019).
81: Mitigation and Monitoring for marine species	<i>Updates to the relevant plan(s) should be provided to the NIRB a minimum of 120 days prior to the commencement of Project-related shipping. Implementation of these measures, updates to the Plan, consultation records, and monitoring results shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	In compliance. See Agnico Eagle's <i>Shipping Management Plan, Version 8</i> (March 2019).
82: Monitoring for Marine wildlife during shipping	<i>Updated monitoring plans should be provided to the NIRB a minimum of 120 days prior to the commencement of Project-related shipping. Implementation of these measures, updates to the Plan, and monitoring results shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	Partially in compliance. <ul style="list-style-type: none"> • <i>Shipping Management Plan, Version 8</i> (March 2019). • Marine Mammal and Seabird Observer (MMSO) program results (<i>2018 Annual Report, Appendix H-7</i>). Agnico Eagle noted some data sharing issues with ECCC.

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83: Marine Mammal Interactions	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB.</i>	In compliance. See: <i>Shipping Management Plan, Version 8</i> (March 2019).
84: Route Planning for shipping.	<i>Mapping and associated details should be provided to the NIRB a minimum of 180 days prior to the commencement of Project-related shipping. Implementation of these measures, updates to the Plan, and monitoring results shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	In compliance. See: <i>Shipping Management Plan, Version 8</i> (March 2019).
85: Monitor disturbance to walruses	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition (including the results of monitoring or adaptive management strategies) to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. Vessel monitor is currently monitoring for walrus and details were included in the Marine Mammal and Seabird Observer (MMSO) report for the 2017 and 2018 Shipping season (2018 Annual Report-Appendix H-7). Additional discussions are occurring between Agnico Eagle and KHTO.
86: Cumulative Effects	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB.</i>	Not Yet Achieved. The NIRB expects details of the Proponent's communication/collaboration with other stakeholders and agencies to be provided in its future Annual Reports.
<u>ECONOMIC DEVELOPMENT, CONTRACTING, AND BUSINESS OPPORTUNITIES</u>		
87: participate in the work of the Kivalliq Socio-Economic Monitoring Committee along with other agencies and the communities for a collaborative monitoring framework	<i>The Proponent shall provide a summary discussion of its implementation of this Term and Condition (including the results of monitoring) to the NIRB through the Proponent's annual monitoring report</i>	In compliance. The Proponent has been participating in the Kivalliq Socio-Economic Monitoring Committee for several years. 2018 Annual Report and the SEMP also includes information related to this term and condition.
88: establish a socio-economic working group for the Project	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB. All updates to the Terms of Reference should be submitted to the NIRB during annual socio-economic reporting.</i>	In compliance. Terms of Reference for the Agnico Eagle Kivalliq Projects Socio-Economic Monitoring Working Group (SEMWG) were submitted in December 2017. The NIRB would expect to receive any updates should the document be modified. 2018 Annual Report and the SEMP also includes information related to this term and condition.

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89: Meliadine Socio-economic Monitoring Program	<i>Details of the Meliadine Socio-economic Monitoring Program should be submitted to the NIRB within one (1) year of issuance of the amended Project Certificate. The Proponent shall produce annual Meliadine socio-economic monitoring reports throughout the life of the Project that are submitted to the NIRB and shared with the wider Socio-Economic Monitoring Committee.</i>	In compliance. See <i>Agnico Kivalliq Projects Socio-Economic Monitoring Program</i> (February 2018). Should there be any update to the Plan the NIRB would expect the materials to be submitted. 2018 Annual Report and the SEMP also includes information related to this term and condition.
90: Closure Planning and Monitoring	<i>This initial results of the Proponent's analysis should be provided to the NIRB within nine (9) months of the issuance of the amended Project Certificate. Any updates to the analyses should be provided to the NIRB as completed by the Proponent and include plans or details in respect of informing the regional socio-economic committee of these results.</i>	In compliance. Analysis of the risk of temporary mine closure was submitted to the NIRB February 2019.
91: Updated Socio-Economic Management Plan after risk plan submitted.	<i>The required updates to the Socio-Economic Monitoring Program (and the Socio-Economic Management Plan included within the Program) should be provided to the NIRB within three (3) months of the completion of the analysis or updates to the analysis of the risk of temporary mine closure in the term and condition noted above. The Proponent shall reference any updates to its Socio-Economic Monitoring Program and associated management plan in the annual Meliadine socio-economic monitoring reports that are submitted to the NIRB and shared with the wider Socio-economic Monitoring Committee throughout the life of the Project.</i>	In compliance. The proponent submitted a conceptual Socio-Economic Closure plan which included the Meliadine project. Monitoring consideration for closure and post-closure will be incorporated into the ongoing work of this plan.
<u>EMPLOYMENT</u>		
92: Employment schedule	<i>Within 6 months of Project Certificate issuance and as required thereafter.</i>	In compliance. Sent by email to NIRB November 5, 2015.

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93: Registration of trades workers	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB and shared with the wider regional socio-economic monitoring committee throughout the life of the Project.</i>	In compliance. There are four (4) apprentices and pre-apprentices/ at Meliadine in 2018.
94: Labour force analysis	<i>The Proponent should summarize the results of these efforts in the annual Meliadine socio-economic monitoring reports submitted to the NIRB and shared with the wider Socio-Economic Monitoring Committee throughout the life of the Project.</i>	In compliance. Sent by email to NIRB May 2, 2018 and expects to submit another update in 2019. Agnico Eagle also submitted the IIB-required Labour Market Analysis to NIRB March 2019.
EDUCATION AND TRAINING		
95: Transferable skills and certifications	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB. Updates to the list should be included in the annual Meliadine socio-economic monitoring reports submitted to the NIRB and shared with the wider Socio-Economic Monitoring Committee throughout the life of the Project.</i>	In compliance. See Agnico Eagle's 2018 Annual Report and <i>Agnico Kivalliq Projects 2017 Socio-Economic Monitoring Report</i> (July 2018). Further Agnico Eagle works with training organizations and government departments regularly to provide training. Agencies include Hamlet of Arviat, the Nunavut Literacy Council, Nunavut Arctic College, Aglu Consulting, Kivalliq Inuit Association and GN.
96: Listing of formal certificates and licences that may be acquired via on-site training or training during Project employment	<i>The initial listing should be provided to the NIRB at least 60 days prior to the start of construction, and annually thereafter or as may otherwise be required.</i>	In compliance. A list was provided within the Proponent's 2018 Annual Report Appendix L-1.
97: Monitoring impacts of closure	<i>Information regarding the Proponent's fulfillment of this term and condition shall be included in the Proponent's annual report to the NIRB and shared with the wider regional socio-economic monitoring committee throughout the life of the Project.</i>	In compliance. See also conditions #90 and #91. Agnico Eagle will monitor using the SEMP which includes metrics for Education and training and at least two years prior to closure Section 8 of the Socio-Economic Monitoring working group terms of reference will be triggered.
98: Monitoring impacts to education system	<i>The summary of this information should be included in the annual Meliadine socio-</i>	In compliance. See 2018 Annual Report and <i>Agnico Kivalliq Projects Socio-Economic Monitoring Report</i> (June 2019).

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	<i>economic monitoring reports submitted to the NIRB and shared with the wider Socio-economic Monitoring Committee throughout the life of the Project.</i>	
POPULATION DEMOGRAPHICS		
99: Monitoring Demographic changes	<i>The summary of this information should be included in the annual Meliadine socio-economic monitoring reports submitted to the NIRB and shared with the wider Socio-economic Monitoring Committee throughout the life of the Project.</i>	In compliance. see Condition #101 See Agnico Kivalliq Projects Socio-Economic Monitoring Report (June 2019).
100: Survey of Nunavummiut employees.	<i>The summary of this information should be included in the annual Meliadine socio-economic monitoring reports submitted to the NIRB and shared with the wider Socio-economic Monitoring Committee throughout the life of the Project.</i>	Not yet achieved. See also Condition #113. The Proponent indicated in its 2018 annual report that it is developing the survey in 2019 and will consult necessary groups.
101: Employee Origin	<i>The summary of this information should be included in the annual Meliadine socio-economic monitoring reports submitted to the NIRB and shared with the wider Socio-economic Monitoring Committee throughout the life of the Project.</i>	In compliance. See: 2018 Annual Report.
TRADITIONAL ACTIVITY AND KNOWLEDGE		
102: Marine Lake community Boat Launch	<i>Initial details to be provided prior to commencement of construction of the Discovery spur road. The Proponent shall provide a summary discussion of its implementation of this term and condition, monitoring results, implementation of adaptive management strategies, and updates to relevant plans to the NIRB through the Proponent's annual monitoring report.</i>	Not yet achieved. The Proponent has indicated this will be in 2024.

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103: <i>Community input into Monitoring</i>	<i>Updated plans shall be submitted to the NIRB 30 days prior to their revision/finalization. Further, the Proponent shall provide a summary discussion of its implementation of this term and condition (including the results of monitoring, adaptive management strategies, consultation, and contribution efforts undertaken) to the NIRB through the Proponent's annual monitoring report. Plans should explain specifically how the information will be shared with the wider regional socio-economic monitoring committee throughout the life of the Project</i>	In compliance. See: <ul style="list-style-type: none"> Agnico Eagle's 2018 Annual Report (Appendix K-1)
NON-TRADITIONAL LAND USE AND RESOURCE USE		
104: <i>consultation with outfitting and guiding businesses</i>	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition (including results of monitoring, adaptive management strategies, consultation, and contribution efforts) to the NIRB through the Proponent's annual monitoring report.</i>	Partially in compliance. The Proponent conducted a phone survey of all Kivalliq businesses which included outfitting and guiding businesses. There were no comments or questions on the interaction of businesses with the AWAR. It is not clear where the information related to how this step was undertaken was included in the 2018 Annual Report.
105: <i>Hunter Harvest Survey.</i>	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition (including results of monitoring, adaptive management strategies, consultation, and contribution efforts) to the NIRB through the Proponent's annual monitoring report and shared with the wider regional Socio-Economic Monitoring Committee throughout the life of the Project.</i>	Not yet achieved. See also condition #46 In 2018 the Proponent noted that it has initiated a Hunter Harvest Study committee with elders, the KIA, GN, and KHTO representatives, and that though an MOU with the KHTO it would be discussed how local outfitting and guiding business into the plan.
CULTURAL, ARCHAEOLOGICAL, AND PALEONTOLOGICAL RESOURCES		
106: Inspection Reporting for freshet at bridge crossings	<i>Evidence of meeting the requirements of this term and condition shall be submitted as part of the Proponent's annual reporting to the NIRB.</i>	In compliance. Weekly inspections of the bridges during freshet 2018 were sent to the GN

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107: Mitigation of Ice Buildup.	<i>Evidence of meeting the requirements of this term and condition shall be submitted as part of the Proponent's annual reporting to the NIRB.</i>	In compliance. The Proponent has indicated it conducts frequent inspections and no significant ice buildup has been noticed to date.
INDIVIDUAL AND COMMUNITY WELLNESS		
108: Counseling and treatment programs	<i>Evidence of meeting the requirements of this term and condition shall be submitted as part of the Proponent's annual reporting to the NIRB.</i>	In compliance. See 2018 Annual Report and Agnico Kivalliq Projects 2018 Socio-Economic Monitoring Report (June 2019).
109: indirect effects of the Project, to health and well-being.	<i>Evidence of meeting the requirements of this term and condition shall be submitted as part of the Proponent's annual reporting to the NIRB.</i>	In compliance. See also Conditions #88 and #89 See: <ul style="list-style-type: none"> • Agnico Kivalliq Projects Socio-Economic Monitoring Program (June 2019). • Agnico Kivalliq Projects 2018 Socio-Economic Monitoring Report (June 2019). The NIRB acknowledges a lack of data limits reporting on indirect effects.
110: Employee cohesion	<i>Summaries of all cross-cultural training initiatives should be provided in the annual Meliadine Socio-Economic Monitoring Report.</i>	In compliance. See 2018 Annual Report and Agnico Kivalliq Projects 2018 Socio-Economic Monitoring Report (June 2019).
111: Employee Training Opportunities	<i>Evidence of meeting the requirements of this term and condition shall be submitted as part of the Proponent's annual reporting to the NIRB</i>	In compliance. See Agnico Kivalliq Projects 2018 Socio-Economic Monitoring Report (June 2019). See also Condition #95.
112: Access to housing – home ownership	<i>Provided the sharing of such information is consistent with and not limited by the terms and conditions of any applicable Inuit Impact Benefit Agreement, these efforts should be reported to the NIRB within the annual Meliadine Socio-Economic Monitoring Report.</i>	In compliance. See Agnico Eagle's 2018 Annual Report. Agnico Eagle will reach out to the Nunavut Housing Corporation in 2019 to discuss this topic again.
COMMUNITY INFRASTRUCTURE		
113: Employee survey	<i>The frequency and content of the survey should be determined by the collaborating parties, but content may include changes to address, housing status (i.e., public/social, privately owned/rented, government, etc.) and migration intentions of Project employees.</i>	Not yet achieved. See also Condition #100 The Proponent indicated in its 2018 Annual Report that it is designing a survey in 2019.

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	<i>Non-confidential results of the survey should be reported to the GN and other members of the Socio-economic Monitoring Committee and summary information of these results should be reported to the NIRB within the annual Meliadine Socio-Economic Monitoring Report.</i>	
114: Financial literacy and planning	<i>Evidence of meeting the requirements of this term and condition shall be submitted as part of the Proponent's annual reporting to the NIRB.</i>	Not yet achieved. The Proponent indicated in its 2018 annual report that the plan will be developed by Q4 2018 in order to execute the project in 2019. Agencies would be included as appropriate in the survey design.
115: Impacts to Health Services	<i>Evidence of meeting the requirements of this term and condition shall be submitted as part of the Proponent's annual reporting to the NIRB.</i>	In compliance. See 2018 Annual Report and Agnico Kivalliq Projects 2017 Socio-Economic Monitoring Report (July 2018).
PUBLIC AND WORKER HEALTH AND SAFETY		
116: Air Quality Monitoring	<i>If required, updated information regarding mitigation measures or management plans should be provided to the NIRB at least 90 days following issuance of the amended Project Certificate, and subsequent modifications to these plans should be identified and included in the Proponent's annual report to the NIRB.</i>	Partially in compliance. See also Conditions #1 and #5 See: <ul style="list-style-type: none"> • Air Quality Monitoring Plan (November 2015). Aldehyde samples will start in 2019 and the monitoring plan was agreed by the GN • Agnico Eagle's 2017 Annual Report – Appendix A (Air Quality Monitoring Report. Stack testing was completed in 2018 and the report is appended to the 2018 Annual Report (E-1). However, it was noted that was an incorrect analysis completed on the sample. Agnico Eagle committed to sampling every quarter to ensure compliance with the guideline in 2019.
ACCIDENTS AND MALFUNCTIONS		
117: Bypass road	<i>Proponent shall provide a summary discussion of its implementation of this term and condition (including the results of monitoring, adaptive management strategies, and consultation) to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. Bypass road completed in 2018 and community meeting commenced and inspection with regulators was completed in 2018.

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118: Ensure monitoring of wildlife presence informs road management and operations.	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition (including results of monitoring, adaptive management strategies, consultation, and contribution efforts) to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. See: <ul style="list-style-type: none"> • <i>Terrestrial Environment Management and Monitoring Plan (TEMMP), Version 2</i> (November 2015). • <i>2018 TEMMP Report</i> (March 2019).
119: establishing deterrents along the AWAR at any areas where it is observed that caribou are attracted to the AWAR and their presence may present a risk of collisions with traffic along the AWAR	<i>The updated plan should be submitted to the NIRB at least 90 days prior to the start of construction. Implementation of these measures, updates to the Plan, and monitoring results shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	In compliance. See the <i>Terrestrial Environment Management and Monitoring Plan (TEMMP), Version 2</i> (November 2015). No deterrent was used for caribou on the road as it was closed during migration.
120: Marine shipping	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. The Proponent sent the NIRB a copy of Transport Canada's certification for Transport Desgagnés December 9, 2016. On October 31, 2017, the NIRB was forwarded a letter sent earlier in the month from Nunavut Sealink and Supply Inc. to Agnico Eagle acknowledging it has and will continue to abide by Agnico Eagle's Shipping Management Plan, but if required will deviate from the plan to ensure the safety of the vessel, environment, staff, and others. The number of ships and schedule is included in the 2018 Annual Report as requested.
121: monitor the ingress/egress of Project related ships at Rankin Inlet and reporting and monitoring	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition (including the results of monitoring or adaptive management strategies) to the NIRB through the Proponent's annual monitoring report</i>	In compliance. See <i>Shipping Management Plan, Version 8</i> (March 2019).
122: fuel transfer events,	<i>The Proponent shall provide a summary discussion of its implementation of this term and condition (including the results of monitoring or adaptive management strategies) to the NIRB through the Proponent's annual monitoring report.</i>	In compliance. See: <ul style="list-style-type: none"> • <i>Oil Pollution Emergency Plan, Version 2</i> (January 2019). • See <i>Shipping Management Plan, Version 8</i> (March 2019). The Proponent has committed to conduct all shipping in ice-free conditions. The Proponent included the date(s) of marine-

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		based fuel transfer events the 2018 Annual Report.
123: spill response equipment and training	<i>Evidence of meeting the requirements of this term and condition shall be submitted as part of the Proponent's annual reporting to the NIRB.</i>	In compliance. See <i>Shipping Management Plan, Version 8</i> (March 2019).
124: Updated Spill Contingency Plan specific to a major spill event occurring on the bypass road.	<i>The updated plan should be submitted to the NIRB at least 90 days prior to the start of construction. Implementation of these measures and monitoring results as well as any subsequent updates to the Plan, shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	In compliance. See <i>Spill Contingency Plan, Version 8</i> (March 2019).
125: Communication of Rules of the AWAR	<i>The updated plan should be submitted to the NIRB at least 90 days prior to the start of construction of Phase 2 of the AWAR. As noted in the Board's decision on the Saline Effluent Discharge to the Marine Environment proposal, updated plans shall be submitted to the NIRB prior to undertaking transport of saline groundwater from the Meliadine site to the temporary storage tank near Rankin Inlet. Implementation of these measures and monitoring results as well as any subsequent updates to the Plan, shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	<p>Partially in compliance. See also Conditions #48, #54, and #126.</p> <p>The NIRB understands Phase 2 of the AWAR is planned for 2024; however, as there is expected to be increased traffic due to the saline disposal amendment this is now applicable to Phase 1 of the road and acknowledges the following:</p> <ul style="list-style-type: none"> • Consultation plans and logs in the <i>Roads Management Plan version 7</i> (March 2019) and in Appendix J-1 of the main annual report. • Regulation and monitoring of traffic on the AWAR with signage and two manned gatehouses. • Log of traffic on the AWAR and comparison to predictions was included in the 2018 Annual Report. • Road signage installed in 2018 in and around Rankin Inlet along the bypass road from Itivia. • Community meetings regarding usage of access road in Rankin in 2018 and Chesterfield Inlet in 2019. Also developed posters and Facebook materials to support users understanding of the AWAR. • No accidents occurred along the AWAR <p>The NIRB understands that Agnico Eagle is considering an ATV/snowmobile trail along side the AWAR and it is expected</p>

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		that NIRB will be kept up to date as decisions are made.
ALTERNATIVES ANALYSIS		
126: Clear communication of AWAR usage	<i>The updated plan should be submitted to the NIRB at least 90 days prior to the start of construction. Implementation of these measures and monitoring results as well as any subsequent updates to the Plan, shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	In compliance. The Proponent has indicated it is finalizing a road safety guideline that will be communicated to the public and that Agnico Eagle will offer high-vis vests and buggy whips to ATV's accessing the AWAR. As with Condition #125, the NIRB encourages the Proponent to finalize associated plans and agreements as soon as possible to ensure public safety. The NIRB also expects the Proponent to provide regular updates of consultation and outreach activities.
127: adaptive management measures for Marine Mammals	<i>The updated plan should be submitted to the NIRB at least 90 days prior to the start of construction. Implementation of these measures and monitoring results as well as any subsequent updates to the Plan, shall be reported and discussed in the Proponent's annual report to the NIRB.</i>	In compliance. See: <i>Shipping Management Plan, Version 8</i> (March 2019).
Saline Effluent Disposal New Terms and Conditions		
128: detailed design for the saline effluent pipeline	<i>To be provided to the Nunavut Impact Review Board at least 90 days prior to construction of the effluent pipeline and diffuser system.</i>	In compliance: submitted by Agnico Eagle on February 15, 2019; however, the NIRB acknowledged receipt after issuance of the amended Project Certificate February 26, 2019. Design of the pipeline was changed as a portion of the pipeline is now removed and installed seasonally and the rest is permanently installed.
129: Hazard and operability assessment of pipeline	<i>To be provided to the Nunavut Impact Review Board at least 90 days prior to operation of the effluent pipeline and diffuser system.</i>	In compliance: submitted by Agnico Eagle on February 15, 2019; however, the NIRB acknowledged receipt after issuance of the amended Project Certificate February 26, 2019.
130: Plan for pipeline at end of Life	<i>Information necessary to support an application for removal of the subsea pipeline and diffuser must be provided to the Nunavut Impact Review Board for consideration at least 12 months prior to planned removal.</i>	Not yet applicable: Pipeline began installation the summer of 2019.
131: Decision regarding annual open water for discharge	<i>A summary of actions taken are to be included in the Proponent's annual reporting to the NIRB.</i>	Partially in compliance. Agnico Eagle intends to engage with the KHTO and the community of Rankin Inlet to develop a procedure to establish the annual open

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		<p>water season as well as monitoring the discharge when it is occurring.</p> <p>Further, Agnico Eagle committed to determining appropriate communication and safety protocols applicable for travel by community members in the area.</p>