

February 26, 2015

1.0 BACKGROUND

Whereas:

A. Pursuant to the *Nunavut Land Claims Agreement* (NLCA), the Nunavut Impact Review Board (Board or NIRB) has completed a review of the potential ecosystemic and socio-economic effects of the Meliadine Gold Mine Project, NIRB No. 11MN034 (Project);

B. The Board has considered the list of commitments made by Agnico Eagle Mines Limited (Agnico Eagle or the Proponent) throughout the NIRB's review and during the NIRB Final Hearing for the Project and the Board has every expectation that the Proponent will fulfill the commitments made during the Final Hearing, within its Final Environmental Impact Statement and contained within supporting documentation submitted during the review of the Project, not just the commitments that are expressly included as terms and conditions in this Project Certificate;

C. The Board has determined, pursuant to Section 12.5.5 of Article 12 of the NLCA, that, taking into account the implementation of the measures necessary to prevent or mitigate the potential adverse environmental and socio-economic effects associated with the Project and set out as terms and conditions in this Project Certificate, the Meliadine Gold Mine Project is not likely to cause significant adverse ecosystemic and socio-economic effects;

D. The Board has found, pursuant to Section 12.5.5 of Article 12 of the NLCA and taking into account all matters relevant to its mandate including Section 12.2.5, that the Meliadine Gold Project will enhance and protect the existing and future well being of the residents and communities of the Nunavut Settlement Area;

E. The Minister of Aboriginal Affairs and Northern Development Canada has accepted the NIRB Final Hearing Report for the Meliadine Gold Mine Project (January 2015), and the recommended terms and conditions contained in the Report that are now included in the Project Certificate; and

F. Recognizing the importance of co-ordination, integration and avoiding duplication with other monitoring requirements in permits, licences and other authorizations, the project-specific monitoring program, provided as **Appendix A** to this Project Certificate, will be issued in final form after key regulatory authorizations, including land use permits, water licences and mineral leases, are issued.

Now therefore, the Nunavut Impact Review Board pursuant to Section 12.5.12 of Article 12 of the Nunavut Land Claims Agreement, issues this Project Certificate for the Meliadine Gold Mine Project to Agnico Eagle Mines Limited, subject to the terms and conditions contained herein.

2.0 PROJECT DESCRIPTION

The Meliadine Gold Mine Project (the Project) consists of mining at five gold deposits and processing of the ore at an on-site milling operation at a rate of 8,500 tonnes per day, as well as transportation of the gold bullion south for final refinement and sale. The Project includes the extended exploration, construction, operation, closure, and reclamation of both underground and open-pit mines and associated infrastructure for extraction, processing and transportation of gold. The mining of gold ore would occur at the five deposits through a phased approach, Tiriganiaq, Wesmeg, Pump, F Zone and Discovery, with Tiriganiaq being the only deposit where gold would be mined through both above ground and underground methods, with the other deposits being mined using open pit methods. There are three main Project areas: the Tiriganiaq mine site, the Discovery deposit and the Itivia Harbour. Phase 2 of all-weather access road (AWAR) would be an upgrade of the currently existing and previously approved Phase 1 of the AWAR which is approximately 24 kilometres (km) long and connects the Tiriganiaq exploration site to Rankin Inlet currently. As part of construction of Phase 2 of the AWAR, a spur road would be developed to connect the main road with the south end of Meliadine Lake to allow for public access to the Lake. Agnico Eagle has confirmed that Phase 2 of the AWAR would not be completed until it is ready to develop the Discovery deposit and would entail constructing a second road which would run parallel but separately from the public road, for mine traffic only.

Supplies and equipment required for construction and ongoing Project supply would be received during the open water season only, at the Itivia spud barge at Melvin Bay, near Rankin Inlet. The Itivia area would consist of eight one-million litre tanks for fuel and a laydown area to temporarily store materials received during the open water barging season. This area would be connected to the AWAR by a bypass road which would facilitate mine traffic avoiding the community of Rankin Inlet on route to the Project mine site.

3.0 IMPLEMENTATION

NIRB has the authority to reconsider the terms and conditions of the Project Certificate to ensure that the terms and conditions are achieving their purpose. Clearly the NIRB expects the Proponent to meet its obligations under this Certificate, however, the NIRB may revisit the Certificate if the NIRB determines that the terms and conditions are not achieving their purpose.

If the Kivalliq Inuit Association or other Designated Inuit Organization, or person or body that would normally have standing to seek this type of court determination, has concerns that any term or condition is not being implemented, these parties may seek a determination before the appropriate court regarding whether or not the terms and conditions in the project certificate have been implemented. This Project Certificate is implemented by authorizing agencies in accordance with the reviewability section of the NLCA (Section 12.9.7):

“A licence, permit, certificate or other governmental approval which implements or incorporates any term or condition of a NIRB project certificate may not be called into question in a court of law on the grounds that the issuing agency thereby fettered its discretion or otherwise acted without jurisdiction, when implementing any term or condition of a NIRB project certificate.”

3.1 Overview of NIRB Monitoring Program

As set out in Sections 12.7.1 and 12.7.2 of Article 12 of the NLCA the NIRB has the jurisdiction to establish a project-specific monitoring program to: measure the ecosystemic and socioeconomic effects of a project; assess whether the project is in compliance with the prescribed project terms and conditions; share information with regulatory agencies to support the enforcement of land, water or resource use approvals and agreements; and to assess the accuracy of predictions contained in the environmental impact statements. Given the Board's application of the precautionary approach to several aspects of the assessment for this Project, in the Board's view project-specific monitoring will play a crucial role in addressing the uncertainty regarding project effects and enabling all parties to adapt mitigation measures on an ongoing basis to ensure the Project's negative effects are prevented or limited to the extent possible.

The role of the Board with respect to the establishment of monitoring programs is to focus the terms and conditions in relation to the Project. With respect to existing or future general regional and territorial monitoring programs that may include some of the same monitoring parameters/indicators as the project-specific monitoring program, the NLCA also directs the NIRB to avoid duplication but facilitate co-ordination and integration between the project-specific monitoring programs required by the NIRB and more general programs and initiatives such as the Nunavut General Monitoring Plan.¹ Where the requirements of regional or territorial programs are more extensive or substantively different than those established through the Project Certificate, at all times the Proponent must ensure compliance with the Project Certificate terms and conditions.

¹ See the discussion in Section 5.10.3 of the report and Sections 12.7.4 and 12.7.5 of the NLCA.

In order to co-ordinate, integrate and avoid duplication with other monitoring programs, but also to ensure that the NIRB's project-specific monitoring program yields the information required to measure effects and adequately assess compliance with terms, conditions, regulatory instruments and agreements, the NIRB's monitoring program will continue to be developed through consultation with responsible authorities, the resource and land owners and the proponent as the remaining regulatory instruments for the Project are developed. Following the issuance of the Project Certificate by the NIRB, the framework for a project-specific monitoring program will be developed and will be provided in draft form as **Appendix A** to the Project Certificate. As noted in the Preamble, this framework cannot be issued in final form until key regulatory authorizations, including land use permits, water licences, mineral leases, etc. are issued so that the monitoring program supplements and supports but does not duplicate the monitoring requirements in regulatory and land use instruments. Prior to finalization, the Proponent will be required to comply with all aspects of the draft framework as directed by the NIRB.

3.2 General Principles of Interpretation Applicable to Terms and Conditions:

In order to view the project-specific terms and conditions set out within this Project Certificate in the appropriate context, the following general principles of interpretation apply to the Project Certificate in its entirety, with all terms and conditions being interpreted in accordance with:

- a. The NIRB's Final Hearing Report (namely NIRB File No.: 11MN034, Final Hearing Report for the Meliadine Gold Project Proposal, October 10, 2014 available from the NIRB's registry);
- b. The rights, responsibilities, authorities and jurisdiction granted under the Nunavut Land Claims Agreement (NLCA);
- c. The limits and obligations imposed under laws of general application applicable to the Proponent or any party referred to in the term and condition, as those laws may be amended over time (e.g. privacy legislation, worker's health and safety, etc.);
- d. The specific jurisdictional and policy limits applicable to authorizing agencies, Nunavut Tunngavik Incorporated, the Kivalliq Inuit Association, or other regulatory authority with jurisdiction in respect of the Project;
- e. Where terms and conditions include specific references to items that must be taken into consideration or included in work plans, etc. these specific references are intended to establish minimum expectations but are not intended to limit the Proponent or prevent the Proponent from undertaking additional measures beyond those expressly prescribed in such terms and conditions; and
- f. As noted in the Final Hearing Report, for those items where a more stringent version of the precautionary principle has been applied, it is the Board's expectation that the adaptive management strategies chosen will be highly responsive to early warning signs that risks may materialize, and that rather than waiting for impacts to be noted before mitigation measures are triggered, thresholds and triggers will be set to require responses long before adverse impacts are likely.

3.3 Format of Terms and Conditions:

Wherever possible, the NIRB has used the following format for the project-specific terms and conditions set out within this Project Certificate, so as to provide clear direction on the intended application, objectives and reporting requirements:

Category: Identifies the relevant environmental component or project activity to which the term and condition applies. Wherever possible categories have been labelled so as to directly associate back to the Final Environmental Impact Statement and Environmental Impact Statement Guidelines prepared for the Project.

Responsible Parties: Identifies the parties responsible for implementation of the term and condition. While this is generally the Proponent, at times other agencies have been implicated as appropriate.

Project Phase: Identifies the phase(s) of Project development to which the term and condition is applicable. Project phase may include any one or more of the following:

- **Pre-Construction** - includes site preparation and staging of materials and equipment in advance of construction
- **Construction**
- **Operations**
- **Temporary Closure /Care and Maintenance**
- **Closure and Post-Closure Monitoring** - includes abandonment, decommissioning and reclamation

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Deleted: includes site preparation and staging of materials and equipment in advance of construction

Objective: Provides a short description of the impact or effect being mitigated. Where relevant, expectations regarding the timing for when terms and conditions will be deemed to be satisfied (i.e. sunset clause), who has discretion for determining it is satisfied has been provided.

Term or Condition: Provides specific direction on the required action or follow up. In most instances the NIRB has endeavoured to use generalized wording to allow for maximum flexibility in achieving the stated objective, however more explicit direction has been provided where deemed necessary.

Reporting Requirements: Sets out any specific reporting parameters required to measure achievement of objectives or to demonstrate compliance, as well as the required frequency of reporting. Consideration will be given to coordination of Project Certificate reporting requirements with reporting requirements as established by other regulatory instruments associated with the Project.

It should be noted that, for some of the recommended terms and conditions, a non-binding **Commentary** section has also been added following the specific term and condition as an aid to interpretation. The Commentary section reflects clarification of the term and condition, recording the common understanding and interpretation resulting from discussions and guidance provided at the Project Certificate Workshop held by teleconference on February 23-24, 2015. The Commentary section is offered as a reference only and is not legally binding; in the event of a conflict between the wording in the Project Certificate and the clarification provided in the Commentary, the express wording of the Project Certificate prevails.

3.4 Flexibility

It is acknowledged that the NIRB's monitoring program will have varying requirements over the course of the Project lifecycle, and that monitoring requirements will apply from construction to eventual abandonment and reclamation. In areas where there may be a need for flexibility in relation to the terms and conditions of the Project Certificate or their application, the NIRB has endeavoured to reflect this in the associated language and/or acknowledge that objectives may be achieved through various means.

The NIRB retains the ability to give additional clarification or direction on an ongoing basis through its Monitoring Officer, with respect to compliance requirements for the Project. Upon request by the Proponent or other parties, the NIRB can provide additional clarification or direction regarding implementation of Project Certificate terms and conditions.

Where the objective of a Project Certificate term or condition can be achieved through more efficient alternate means, the Proponent is encouraged to consult with the NIRB (and other parties as required) to seek acceptance of proposed alternatives.

The NIRB has the authority to reconsider the terms and conditions of the Project Certificate to ensure that the terms and conditions are achieving their purpose. Clearly the NIRB expects the Proponent to meet its obligations under this Project Certificate, however, the NIRB may revisit the Project Certificate if the NIRB determines that the terms and conditions are not achieving their purpose. In the event that the monitoring program needs to be modified to better achieve its purpose, the Board, the Proponent, the Designated Inuit Organization or other interested parties may cause the Board, under Section 12.8.2 of the NLCA to revisit the monitoring program, or any other terms and conditions in the Project Certificate.

3.5 Enforcement

As noted in Section 12.10.3, where the terms and conditions of the Project Certificate are implemented or incorporated by reference into permits, certificates, licences or other governmental approvals, the enforcement of the terms and conditions included in that authorization remains with the agency responsible for the authorization (i.e. Authorizing Agency). In addition, under Part 8, Article 12 of the NLCA, if the Board determines that these terms and conditions are not achieving their purpose for any reason, including instances of significant non-compliance, the NIRB may revisit the terms and conditions contained in the Project Certificate.

3.6 Proponent Commitments

The Board expects that Agnico Eagle Mines Ltd. will fulfill all commitments made during the Final Hearing, within its Final Environmental Impact Statement and supporting documentation submitted during the Review, not just those commitments that have been incorporated into the Terms and Conditions of this Project Certificate. The Board further notes that, as indicated in Agnico Eagle's, Response to Final Written Submissions, filed in advance of the Final Hearing and as noted by several intervenors during the Final Hearing, the Proponent had come to "agreement in principle" regarding many requests filed by agencies in final written submissions provided to the Board, and it is the NIRB's

expectation that the Proponent will be in a position to demonstrate actions taken in finalizing these commitments in practice.

To support transparency and accountability associated with the Proponent's commitments, the Board encourages the Proponent to provide, in an annual report to the NIRB, a summary of the status of the Proponent's progress with respect to meeting any commitments which are intended to prevent or mitigate adverse ecosystemic or socio-economic effects of the Project and that are beyond the scope of ensuring compliance with Project Certificate terms and conditions.

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4.0 PROJECT-SPECIFIC TERMS AND CONDITIONS

4.1 General

NIRB Monitoring Responsibilities

1. The NIRB will appoint Monitoring Officers as required to monitor the Project in accordance with the purpose of a monitoring program as set out in section 12.7.2 of the Nunavut Land Claims Agreement for the full life of the Project, including closure and restoration. Subject to direction from the NIRB, the responsibilities of the NIRB Monitoring Officers will include:
 - a. Providing direction to the Proponent, the Terrestrial and Marine Environment Working Groups, regulatory agencies, and the Kivalliq Socio-Economic Monitoring Committee to supply NIRB with reports and information respecting the Project's operations, impacts and the implementation of mitigative measures;
 - b. Conducting a periodic evaluation of the monitoring program for the Project;
 - c. Compiling a report on the adequacy of the monitoring program and on the ecosystemic and socio-economic impacts of the Project; and
 - d. Where appropriate, recommending to the NIRB reconsideration of Project Certificate Terms and Conditions in accordance with section 12.8.2 of the Nunavut Land Claims Agreement.
2. The NIRB will report annually (in English and Inuktitut) on the results of its Monitoring Program for the Project.
3. The NIRB will schedule periodic updates regarding its Monitoring Program for the communities most affected by the Project.
4. The NIRB Monitoring Officers will schedule periodic site inspections at the Project, coordinating with other regulatory agencies to the extent possible.

General Regulatory Requirements

5. The Proponent must obtain all required federal and territorial permits and other approvals, and shall comply with the requirements of such regulatory instruments.
6. The Proponent shall take prompt and appropriate action to remedy any occasion of non-compliance with environmental laws and regulations and/or regulatory instruments, and shall report any non-compliance as required by law immediately. A description of all instances of non-compliance and associated follow up is to be reported annually to the NIRB.
7. The Proponent shall meet with respective licensing authorities prior to the commencement of construction to discuss the posting of adequate performance bonding. Licensing authorities are encouraged to take every measure to require that sufficient security is posted before construction begins.

Monitoring Records

8. All monitoring information collected pursuant to the Project Certificate and various regulatory requirements for the Project shall contain the following information:
 - a. The name of the person(s) who performed the sampling or took the measurements including any relevant accreditations;
 - b. The date, time and place of sampling or measurement, and weather conditions;
 - c. The date of analysis;
 - d. The name of the person(s) who performed the analysis including any relevant accreditations;
 - e. A description of the analytical methods or techniques used; and
 - f. A discussion of the results of any analysis.
9. The Proponent shall make its monitoring results available, to the fullest extent possible, in English and Inuktitut.
10. The Proponent shall keep and maintain the records, including results, of all Project-related monitoring data and analysis for the life of the Project, including closure and post-closure monitoring.
11. The Proponent shall maintain the Final Environmental Impact Statement and the Environmental Effects Monitoring program developed for the Project, with predictions updated as new baseline data is collected. *If the results of monitoring programs necessitate updates to effects predictions, the Proponent shall update the associated management programs and plans as required to address or reflect the updated assessment of effects.*
12. The Proponent shall establish a Project-specific web portal or web page as a means of making all non-confidential monitoring and reporting information associated with the Project available to the general public. This does not limit what the Proponent may be required to submit to the NIRB or other regulatory authorities to meet reporting requirements.

On-going Engagement in Project Monitoring, Modelling, Management and Reporting

13. *The Proponent is encouraged to provide on-going opportunities for consultation and comment on any substantive revisions to the Project-specific monitoring program, modelling, studies, management plans, management measures and reporting under the Project Certificate.*
14. *To the extent feasible, the NIRB will provide an opportunity for comment on any substantive revisions to the Project-specific monitoring, modelling, studies, management plans, management measures and reporting provided by the Proponent under the Project Certificate.*

4.2 Terms and Conditions

Ecosystemic

Air Quality

Term and Condition No.	1
Category:	Air Quality – Updated Air Quality Monitoring Plan
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure monitoring
Objective:	To define plans for the monitoring of data and mechanisms for response with regard to potential air quality impacts arising from the Project
Term or Condition:	<p>Prior to commencing construction activities, the Proponent shall update its Air Quality Monitoring Plan, and shall consider installing two real-time air monitoring stations in advance of mining operations. The updated plan shall include, but is not limited to, details regarding the following:</p> <ul style="list-style-type: none">a. Description of real-time air monitoring stations including proposed timing of installation, location, and any factors considered with regards to planning for the installation;b. Plans for the collection of total suspended dust samples year round, including sampling for metals content relevant to the Project;c. Description of snowpack surveys and dustfall collectors;d. Description of lichen surveys;e. Identification of near field, far field and reference sites that are located with consideration of ambient wind conditions;f. Baseline data collected prior to significant construction activity; andg. A description of the proposed annual reporting mechanism and response framework.
Reporting Requirements:	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.

Term and Condition No.	2
Category:	Air Quality – Emissions monitoring
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure monitoring
Objective:	To provide feedback on Project-related specified emissions
Term or Condition:	The Proponent shall demonstrate through monitoring of air quality at the aboveground emissions points at the mine site and at the Tiriganiaq site that sulphur dioxide (SO ₂) and nitrous dioxide (NO ₂) emissions remain within predicted levels and, where applicable, within limits established by all applicable guidelines and regulations. In cases where exceedances occur, the Proponent shall provide an explanation for the exceedance, a

Deleted: greenhouse gas

	description of planned mitigation, and shall conduct additional monitoring to evaluate the effectiveness of mitigative measures.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	3
Category:	Air Quality – Dust management and monitoring plan
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction
Objective:	To define plans for the monitoring of air quality data, specifically dust deposition arising from the all-weather access road
Term or Condition:	<p>Prior to commencing construction activities the Proponent shall update its dust management and monitoring plan to address and/or include the following additional items:</p> <ul style="list-style-type: none"> a. Align plan requirements with commitments made in the FEIS and during the Final Hearing to monitor dust along the all-weather access road and associated roads and trails. b. Verify commitments to the utilization of dust suppressants along the all-weather access road including and associated roads and trails, including a description of the type of suppressant to be utilized, the frequency and timing of applications to be made throughout the various seasons of road use. c. Outline the specific adaptive management measures to be considered should monitoring indicate that dust deposition is higher than predicted, specifically where traffic along the all-weather access road is greater than initially predicted.
Reporting Requirements:	The updated plan should be submitted to the NIRB for review and comment at least 60 days prior to commencement of construction activities.

Term and Condition No.	4
Category:	Air Quality – Incineration management plan
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure monitoring
Objective:	To ensure incineration activities are designed in a manner that mitigates impacts to air quality
Term or Condition:	The Proponent shall develop and implement an Incineration Management Plan that takes into consideration the recommendations provided in Environment Canada's <i>Technical Document for Batch Waste Incineration</i> (2010). ²
Reporting Requirements:	The plan should be submitted to the NIRB at least 60 days prior to the commencement of construction activities.

Commentary: *With the recognition that there may be a considerable gap between the commencement of general project related construction and the construction of the incinerator to be used by the Project,*

² Environment Canada, 2010. Technical Document for Batch Waste Incineration.

the timeline set out under the Reporting Requirements above is intended to require the submission of the Incineration Management Plan at least 60 days prior to the commencement of “construction activities” related to the construction of the incinerator, not general project construction activities.

Term and Condition No.	5
Category:	Air Quality – Stack testing
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure monitoring
Objective:	To mitigate impacts to air quality from incineration activities
Term or Condition:	The Proponent shall provide all stack testing conducted on temporary or permanent incinerators operated for the Project to the NIRB in the annual report for that year.
Reporting Requirements:	Stack test results are to be reported to the NIRB and to Environment Canada annually, or as may otherwise be required.

Term and Condition No.	6
Category:	Air quality – Landfill dust suppression
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure
Objective:	To address potential air quality concerns arising from dust generated at the landfill
Term or Condition:	The Proponent shall employ appropriate dust suppression measures when conducting activities in the landfill such as topping or capping.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Climate and Meteorology (including Climate Change)

Term and Condition No.	7
Category:	Climate and Meteorology, Climate Change – Greenhouse gas emissions
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure monitoring
Objective:	To provide feedback on Project-related emissions
Term or Condition:	The Proponent shall provide within its annual report to the NIRB, calculations of greenhouse gas emissions generated by activities at the Itivia port and other Project sources including mine-related road traffic and aircraft associated with the Project. Calculations shall take into consideration, fuel consumption as measured by the Proponent’s purchase and use as well as the fuel use of its contractors and sub-contractors.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	8
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Category:	Climate and Meteorology, Climate Change – Inuit participation
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure monitoring
Objective:	To promote public awareness and engagement of affected groups
Term or Condition:	To actively engage Inuit in initiatives related to climate change, where it is feasible, the Proponent shall endeavour to include the participation of Inuit from affected communities when undertaking climate-change related studies and research.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	9
Category:	Climate and Meteorology, Climate Change – Greenhouse Gas Emissions Reduction Plan
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction
Objective:	To develop a pro-active approach to limiting greenhouse gas emissions throughout the Project life
Term or Condition:	<p>Prior to the commencement of operations, the Proponent shall develop a Greenhouse Gas Emissions (GHG) Reduction Plan which includes, but is not limited to:</p> <ul style="list-style-type: none"> a. An estimate of the Project's GHG baseline emissions; b. A description of monitoring measures to be undertaken, including the methods, frequency, parameters, and a description of data analysis; and, c. A description of mitigative and adaptive strategies planned, and taken, toward reducing the Project-related emission of greenhouse gases over the Project's life.
Reporting Requirements:	The plan should be submitted to the NIRB at least 90 days prior to the commencement of operations.

Noise and Vibration

Term and Condition No.	10
Category:	Noise and Vibration – Noise and Vibration Abatement Plan
Responsible Parties:	The Proponent, Government of Nunavut, Environment Canada and Health Canada
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure monitoring
Objective:	To minimize the impact of noise and vibration
Term or Condition:	The Proponent shall further develop and implement its noise abatement plan to protect people and wildlife from mine activity noise, including, blasting, drilling, equipment, vehicles and aircraft. The noise abatement plan will be developed in consultation the Government of Nunavut, Environment Canada and Health Canada as appropriate, and at a minimum

	<p>is to include:</p> <ul style="list-style-type: none"> a. Restrictions on blasting and drilling when migrating caribou, birds or local carnivores may be affected; b. The establishment of strict standards for noise levels; use of equipment and vehicles with the best noise attenuation devices; c. When practical, the use of fences or berms around noisy machinery or sites; d. Flight corridor restrictions over sensitive areas with known concentrations of wildlife and birds whenever possible; e. Requiring with the exception of take off and approach for landing, a minimum flight altitude of 300 metres above ground level when flights to and from the mine site are passing near sensitive wildlife and bird areas; and, f. The incorporation of the use of sound metres to monitor sound levels at locations in and around the mine site and local study area. The location and design of the sound metres shall be selected in consultation with EC and set up immediately upon issuance of the Project Certificate for the purpose of obtaining baseline data, and shall be maintained for data collection during and after operations.
Reporting Requirements:	The finalized noise abatement plan should be submitted to the NIRB at least 90 days prior to the commencement of construction.

Term and Condition No.	11
Category:	Noise and Vibration – Monitoring at accommodations sites
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure monitoring
Objective:	To minimize the impacts of vibration on employees
Term or Condition:	The Proponent shall conduct noise and vibration monitoring at Project accommodations sites located at the Tiraginiaq mine site. Sampling shall be undertaken during the summer and winter months during all phases of Project development, with reporting of results and implementation of associated mitigation measures as necessary reported to the NIRB.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Terrestrial Environment

Term and Condition No.	12
Category:	Terrestrial Environment – Permafrost and permafrost terrain mapping
Responsible Parties:	The Proponent

Project Phase:	Pre-Construction, Construction
Objective:	To further understanding of baseline conditions and to inform design of Project facilities and mitigate impacts to permafrost
Term or Condition:	The Proponent shall conduct further permafrost mapping to document permafrost temperature, thickness of seasonal thaw and amount of ground ice in the Project development area, with such information to be available to inform the detailed design of Project infrastructure (i.e., dikes and tailings storage facility designs and talik predictions for lakes that are to be dewatered or used for saline water storage).
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	13
Category:	Terrestrial Environment – Terrain and soils, geotechnical investigations
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure
Objective:	To assist with design of Project facilities and mitigate impacts to sensitive landforms
Term or Condition:	The Proponent shall undertake additional geotechnical investigations as required to identify sensitive landforms, modify engineering design for Project infrastructure (i.e., dikes, tailings storage facility, waste rock pile and landfill), and develop and implement preventative and/or mitigation and monitoring measures to minimize the impacts of the Project's activities and infrastructure on sensitive landforms. Plans for the investigations, mitigative and monitoring measures are to be included within an updated Environmental Protection Plan.
Reporting Requirements:	The updated plan is to be submitted to the NIRB within 90 days of the issuance of a Project Certificate, with annual reporting requirements to be determined following approval of the Project by the Minister

Term and Condition No.	14
Category:	Terrestrial Environment – Dike and tailings storage facility design
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction
Objective:	To ensure Project design features consider thermal analysis and stability
Term or Condition:	The Proponent is encouraged to conduct more detailed thermal analysis to support detailed design of the dikes and the tailings storage facility, including seepage and stability analysis, and shall incorporate the results of the analysis into Project design. Details of the thermal analyses undertaken are to be provided to the NIRB.
Reporting Requirements:	Details are to be provided to the NIRB at least 60 days prior to the commencement of construction, with annual reporting requirements to be determined following approval of the Project by the Minister

Term and Condition No.	15
Category:	Terrestrial Environment – Tailings storage facility design and management
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure Project infrastructure integrity is considered and maintained post-closure
Term or Condition:	<p>The Proponent shall assess the potential environmental effects of a post-closure failure of the geomembrane of the Tailings Storage Facility while tailings are in a thawed state. This assessment shall include, at a minimum:</p> <ul style="list-style-type: none"> a. A description of the potential environmental effects of such a failure; b. Identification of the monitoring measures employed to detect environmental changes that could result; c. Identification of proposed mitigation measures to address any changes identified during monitoring; and d. Updated Risk Management Plan and Closure and Reclamation Plan reflecting changes which result from the post-closure failure assessment. <p>A summary of the results from this assessment and implications to project infrastructure and operational plans shall be provided to the NIRB.</p>
Reporting Requirements:	A summary of the assessment and updated plans should be submitted to the NIRB 6 months following issuance of the Project Certificate, with annual reporting requirements to be determined following approval of the Project by the Minister

Commentary: The NIRB recognizes that as the initial submission of updated plans will be within 6 months of the issuance of the Project Certificate, it is expected that the level of detail of the Proponent's initial submission will be largely conceptual and will be supplemented and updated over time.

Term and Condition No.	16
Category:	Terrestrial Environment – Erosion Management Plan
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure appropriate measures for preventing destabilization and erosion of shorelines, stream edges and ensure that diversion channels are maintained
Term or Condition:	The Proponent shall finalize and implement a comprehensive erosion management plan to prevent or minimize the effects of destabilization and erosion resulting from Project activities.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	17
Category:	Terrestrial Environment – Permafrost integrity
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure that impacts to permafrost and permafrost terrain are minimized through all phases of the Project
Term or Condition:	The Proponent shall monitor the effects of the Project on permafrost conditions relative to Project infrastructure, including along the all-weather access road and associated roads, waste rock stockpile, trails and quarries. Through its monitoring the Proponent must demonstrate that permafrost integrity is maintained with implementation of appropriate preventative measures should permafrost degradation be observed.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	18
Category:	Terrestrial Environment – As-built drawings and final design plans
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction
Objective:	To ensure the NIRB and public have information available on the Project components to assist in monitoring.
Term or Condition:	The Proponent shall provide the NIRB with copies of as-built drawings and final design plans for Project infrastructure as they are developed/finalized to assist with the Board's ongoing monitoring efforts.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	19
Category:	Terrestrial Environment – Tailings and waste rock monitoring program
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure, Post-Closure
Objective:	To ensure the integrity of Project infrastructure is maintained, and to establish rigorous safeguards to prevent structural failure
Term or Condition:	<p>The Proponent shall develop and implement a monitoring program for its Tailings Storage Facility and Waste Rock Storage Facility (including dikes). The monitoring program is to include, but shall not be limited to:</p> <ul style="list-style-type: none"> a. Plans for monitoring the thermal condition and stability of storage facilities (including deformation of the cover) and dikes, including the use of thermistor cables, temperature loggers, and core sampling technology as required to monitor dike stability and tailings freezeback efficiency, including for example, factors such as ice content and stability; and, b. Measures proposed to ensure the safe containment and structural integrity of Project infrastructure, and to prevent contamination of

	waterbodies. Details of the monitoring program shall provided to the NIRB.
Reporting Requirements:	Details of the monitoring program should be submitted to the NIRB at least 90 days prior to the establishment of either facility, with annual reporting requirements to be determined following approval of the Project by the Minister

Term and Condition No.	20
Category:	Terrestrial Environment – Closure and Reclamation Plan
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure/Care and Maintenance, and Closure
Objective:	To assist in the re-vegetation of reclaimed areas
Term or Condition:	The Proponent shall explore the the feasibility and practicality of topsoil/organic matter salvage as part of phased approach to Project development, with updates to its Closure and Reclamation Plan to reflect any changes based on this investigation. The Closure and Reclamation Plan should be updated on an on-going basis as more information becomes available from similar reclamation projects, including experience with implementing closure and reclamation plans at the Meadowbank mine site, as applicable.
Reporting Requirements:	The updated plan is to be submitted to the NIRB within 6 months of the issuance of the Project Certificate, with annual reporting to be determined following approval of the Project by the Minister

Term and Condition No.	21
Category:	Terrestrial Environment – Waste Management Plan
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure permafrost integrity is maintained and that soil contamination is minimized
Term or Condition:	The Proponent shall update its Waste Management Plan to include details which explain how the design employed for Project landfills is expected to protect the integrity of the local environment, including permafrost integrity, and water quality for adjacent waterbodies. The Proponent shall demonstrate its consideration for the use of liners at waste management facilities, where feasible.
Reporting Requirements:	The updated plan is to be submitted to the NIRB at least 90 days prior to operation of Project landfills, with annual reporting requiriements to be determined following approval of the Project by the Minister

Geology (including Geochemistry)

Term and Condition No.	22
Category:	Geology (including Geochemistry) – Mine Waste Management Plan
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure
Objective:	To inform parties on the adaptive management progress made relating to mine waste management
Term or Condition:	The Proponent shall report annually to the NIRB on the adaptations it has had made to the Mine Waste Management Plan and practices based on results obtained through monitoring.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	23
Category:	Geology (including Geochemistry) – Mine Waste Management Plan, Discovery Deposit
Responsible Parties:	The Proponent, Natural Resources Canada
Project Phase:	Construction, Operations
Objective:	To mitigate impacts of Acid Rock Generation and Metal Leaching
Term or Condition:	Prior to the commencement of excavation at the Discovery deposit, the Proponent, in consultation with Natural Resources Canada, shall update its Mine Waste Management Plan to assess the potential for acid rock drainage and to identify any monitoring and mitigation measures that may be required in this development area.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Hydrogeology and Groundwater Quantity and Quality

Term and Condition No.	24
Category:	Hydrogeology and Groundwater – Hydraulic data
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations
Objective:	To collect and analyze additional baseline data to use as baseline to monitor for groundwater quality.
Term or Condition:	The Proponent shall, reflecting any direction from the Nunavut Water Board during water licensing, collect new hydraulic data (e.g., from new monitoring wells) in key areas during the pre-development, construction and operation phases to better define vertical and horizontal ground flow in the project development area.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	25
Category:	Hydrogeology and Groundwater – Saline Water Management Plan
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, construction, Operations, temporary closure/care and maintenance, closure, post closure monitoring.
Objective:	To manage saline groundwater and minimize the impacts to permafrost, soil, surface water, vegetation and wildlife.
Term or Condition:	The Proponent shall provide to the NIRB, a saline water management plan which includes, but is not limited to, mitigation measures designed to address the potential for higher-than-predicted volumes of saline water inflows into the underground mine, treatment and disposal methods, and details of its plan to monitor saline water at site.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	26
Category:	Hydrogeology and Groundwater – Pit refill rates
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, construction, Operations, temporary closure/care and maintenance, closure, post closure monitoring.
Objective:	To assess the flow of groundwater into the lake
Term or Condition:	The Proponent shall carry out continued analyses over time to confirm and update, accordingly, the approximate fill time for the mine pits as identified in the FEIS.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Hydrology (including Surface Water Quantity) and Water and Sediment Quality

Term and Condition No.	27
Category:	Hydrology and Sediment Quality – Aquatics Effects Monitoring Plan
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, construction, Operations, temporary closure/care and maintenance, closure, post closure monitoring.
Objective:	To mitigate potential impacts to surface waters
Term or Condition:	<p>The Proponent shall update its Aquatic Effects Monitoring Plan (AEMP) to include, at a minimum:</p> <ul style="list-style-type: none"> a. Details regarding the monitoring of non-point sources of discharge, selection of appropriate reference sites, measures to ensure the collection of adequate baseline data at Meliadine Lake prior to and during construction activities, including information on chemical loading in the snowpack, and the mechanisms proposed to monitor for and treat runoff and sediment;

	<p>b. A description of measures to be undertaken as relate to dustfall monitoring, designed in accordance with the following:</p> <ul style="list-style-type: none"> i. To establish Phase 1 all-weather access road baseline data and a description of plans for data collection during Project operations for comparison; ii. To facilitate comparison with existing guidelines; iii. To assess the seasonal deposition (rates, quantities) and chemical composition of dust entering aquatic systems along representative distance transects of the all-weather access road and Rankin Inlet by-pass road; <p>c. A description of water quality monitoring to be conducted at Little Meliadine Lake; and</p> <p>d. Details regarding comparisons of results to be run against predicted values and the analysis of data to be undertaken on an annual basis, or as may be required.</p>
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	28
Category:	Hydrology and Sediment Quality – Sediment and Erosion Management Plan
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction
Objective:	To develop appropriate sediment and erosion controls to prevent impacts to surface waters and sediment quality.
Term or Condition:	The Proponent shall develop and implement a sediment and erosion management plan to prevent or minimize the effects of destabilization and erosion that may occur due to Project activities. The plan should also detail sediment control plans to prevent and/or mitigate sediment loading into surface water within the Project area.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	29
Category:	Hydrology and Sediment Quality – Water infrastructure monitoring
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, temporary closure/care and maintenance, closure, post closure monitoring.
Objective:	To mitigate impacts to natural water flow
Term or Condition:	The Proponent shall develop and implement adequate monitoring and maintenance procedures to ensure that the culverts and other conduits that may be prone to blockage do not significantly hinder or alter the natural flow of water from areas associated with the proposed mine. In addition, the Proponent shall monitor, document and report the withdrawal rates for water removed and utilized for all domestic and industrial purposes.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Freshwater Aquatic Environment

Term and Condition No.	30
Category:	Freshwater Aquatic Environment – Aquatic Effects Monitoring Plan
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure /Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To monitor and mitigate potential effects to the freshwater aquatic environment
Term or Condition:	<p>The Proponent shall update its Aquatic Effects Monitoring Plan (AEMP) to include, at a minimum:</p> <ul style="list-style-type: none"> a. Provide details for additional reference lakes to be included within its sampling and monitoring programs; b. Updates to include sedimentation within relevant monitoring programs; and c. Results from additional testing for mercury in fish tissue, and include test results in updated baseline data.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	31
Category:	Freshwater Aquatic Environment – Setbacks
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure /Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To mitigate impacts of runoff/sedimentation into freshwater aquatic habitat.
Term or Condition:	The Proponent shall maintain an appropriate setback distance between project quarries and fish-bearing or permanent water bodies as required to prevent acid rock drainage or metal leaching into such water bodies.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	32
Category:	Freshwater Aquatic Environment – Site Drainage and Silt Control Plan
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure /Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To mitigate impacts of the Project on natural drainage and minimize sedimentation
Term or Condition:	Prior to the commencement of construction, the Proponent shall submit to the NIRB, a Site Drainage and Silt Control Plan.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	33
Category:	Freshwater Aquatic Environment – Blasting
Responsible Parties:	The Proponent

Project Phase:	Pre-construction, Construction, Operations, Temporary Closure /Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To mitigate impacts of explosives use on fish and fish habitat
Term or Condition:	The Proponent shall meet or exceed the guidelines set by Fisheries and Oceans Canada for blasting thresholds and implement practical and effective measures to ensure that residue and by-products of blasting do not negatively affect fish and fish habitat.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Corrected Term and Condition No.	34
Category:	Freshwater Aquatic Environment – Watercourses
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction
Objective:	To prevent blockages or restrictions to fish passages
Term or Condition:	Unless otherwise approved by regulatory authorities, the Proponent shall ensure that all Project infrastructure in watercourses is designed and constructed in such a manner that it does not obstruct unduly prevent or limit the natural movement of water in fish bearing streams and rivers.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Vegetation

Term and Condition No.	35
Category:	Vegetation – Site footprint
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure /Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize the impacts of the Project on vegetation
Term or Condition:	The Proponent shall ensure that Project components and activities are planned and conducted in such a way as to minimize the Project footprint; this should include input from potentially affected communities where applicable.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	36
Category:	Vegetation – Invasive species
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction
Objective:	To prevent the introduction of invasive species
Term or Condition:	The Proponent shall ensure that equipment and supplies brought to Project sites are clean and free of soils that could contain plant seeds not naturally occurring in the area. Vehicle tires and treads in particular must be inspected, and cleaned if required, prior to transport into Nunavut for use in

	Project areas.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	37
Category:	Vegetation – Monitoring for invasive species
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure /Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize introduction of invasive species.
Term or Condition:	The Proponent shall incorporate protocols for monitoring for the potential introduction of invasive vegetation species (e.g. surveys of plant populations in previously disturbed areas) into its Terrestrial Environment and Monitoring Plan. Any introductions of non-indigenous plant species must be promptly reported to the Government of Nunavut Department of Environment.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	38
Category:	Vegetation – Updated baseline and ongoing monitoring
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure /Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To assess the impact of the Project on berry-producing plants
Term or Condition:	The Proponent shall conduct sampling to determine baseline levels for metals in soils found in areas with berry-producing plants near the Project area, and shall update relevant vegetation sections within the Terrestrial Management and Monitoring Plan to incorporate ongoing monitoring of these parameters prior to commencing operations.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	39
Category:	Vegetation – Monitoring
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure /Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To monitor metal levels in vegetation
Term or Condition:	The Proponent shall develop and establish an on-going monitoring program to determine the distribution, abundance, and health of vegetation species used as caribou forage (such as lichens) near Project areas, prior to commencing operations.
Reporting Requirements:	Details for the program are to be submitted to the NIRB within 6 months of the issuance of the the Project Certificate, with annual reporting requirements to be determined following approval of the Project by the Minister

Term and Condition No.	40
Category:	Vegetation – Adaptive management
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure /Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To mitigate impacts to vegetation abundance, diversity and health
Term or Condition:	The Proponent shall review, on an annual basis, all monitoring information and the vegetation mitigation and management plans developed under its Environmental Management Plan and Terrestrial Environment and Monitoring Plan (TE MMP) and adjust such plans as may be required to effectively prevent or reduce the potential for significant adverse project effects on vegetation abundance, diversity and health, taking into account lessons learned at other northern mining developments where appropriate.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	41
Category:	Vegetation – Reclamation and re-vegetation
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure /Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To maximize revegetation in reclaimed areas
Term or Condition:	Prior to the commencement of operations, the Proponent shall develop a progressive re-vegetation program for disturbed areas that are no longer required for operations, such program to incorporate measures for the use of test plots, reseeding and replanting of native plants as necessary. It is further recommended that this program be directly associated with the management plans for erosion control established for the Project and incorporate lessons learned at Meadowbank.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	42
Category:	Vegetation – Closure and Reclamation Plan
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure /Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To maintain an up to date re-vegetation plan for the Project
Term or Condition:	The Proponent shall include re-vegetation strategies in its Closure and Reclamation Plan that support progressive reclamation and that promote natural revegetation and recovery of disturbed areas compatible with the surrounding natural environment and incorporate lessons learned at Meadowbank
Reporting Requirements:	To be determined following approval of the Project by the Minister

Terrestrial Wildlife and Wildlife Habitat

Term and Condition No.	43
Category:	Terrestrial Wildlife and Wildlife Habitat – General
Responsible Parties:	The Proponent and other parties as appropriate
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure appropriate and responsive adaptive management
Term or Condition:	The Proponent shall continue to develop and implement Project-specific monitoring for the terrestrial environment through its Terrestrial Environment Management and Monitoring Plan (TEMMP), and will demonstrate appropriate refinements to design, incorporation of analytical methods and elaboration of methodologies. The TEMMP shall contain clear thresholds to allow for the assessment of long-term trends and cumulative effects where project interactions are identified. Coordination and cooperation will be required where data collection, analysis and interpretation, or responsibility for mitigation and management requires the efforts of multiple parties (e.g., government, Kivalliq Inuit Association, communities).
Reporting Requirements:	To be determined following approval of the Project by the Minister

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Term and Condition No.	44
Category:	Terrestrial Wildlife and Wildlife Habitat – Caribou monitoring
Responsible Parties:	The Proponent, Government of Nunavut
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To further define details of monitoring programs
Term or Condition:	In consultation with the Government of Nunavut (GN) and other relevant parties, the Proponent shall further develop its Terrestrial Environment Management and Monitoring Plan (TEMMP) to include increased caribou monitoring across the regional study area and additional details on the scope and design of monitoring programs. The Proponent shall also demonstrate consideration for contributing to existing and planned regional monitoring initiatives associated with terrestrial wildlife and wildlife habitat as appropriate. Monitoring should be adequate to test impact predictions, monitor impact thresholds and trends over time, and to support implementation of mitigation measures as proposed in the Final Environmental Impact Statement.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	45
Category:	Terrestrial Wildlife and Wildlife Habitat – General monitoring
Responsible Parties:	The Proponent and other parties as appropriate
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and

	Maintenance, Closure and Post-Closure Monitoring
Objective:	To promote coordination of monitoring efforts
Term or Condition:	The Proponent shall demonstrate consideration for cooperating with existing and planned regional and/or community-based monitoring initiatives associated with terrestrial wildlife and wildlife habitat that produce information pertinent to mitigating project-induced impacts. The Proponent shall give special consideration for supporting regional studies of population health and harvest programs for Qamanirjuaq caribou which help address areas of uncertainty for Project impact predictions.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	46
Category:	Terrestrial Wildlife and Wildlife Habitat – Harvest study
Responsible Parties:	The Proponent, Government of Nunavut, Hunters and Trappers Organizations, other parties as appropriate
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure harvest study considers appropriate Project-specific factors
Term or Condition:	<p>The Proponent shall update its Terrestrial Environment Management and Monitoring Plan (TEMMP) for the Project to include a detailed harvest study prepared in consultation with the Government of Nunavut (GN) and other affected parties. The design of the harvest study should demonstrate consideration for the following:</p> <ul style="list-style-type: none"> a. Hiring of a dedicated local survey coordinator through local Hunters and Trappers Organizations (HTOs) and provision of adequate resources for the HTOs to run the program; b. The potential effects on caribou populations and on caribou behaviour resulting from increased human access caused by the all-weather access road and associated roads and trails; and, c. Increasing local knowledge of the project development areas, including establishing baseline harvesting levels prior to unrestricted public access on the all-weather access road.
Reporting Requirements:	To be determined following approval of the Project by the Minister

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Term and Condition No.	47
Category:	Terrestrial Wildlife and Wildlife Habitat – Monitoring
Responsible Parties:	The Proponent, Government of Nunavut
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To promote coordination of monitoring efforts
Term or Condition:	The Proponent shall share information with the Government of Nunavut (GN) relating to the migration of caribou and include the GN as a party respecting caribou monitoring and movement through Project development

	areas, including the all-weather access road and associated roads and trails.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	48
Category:	Terrestrial Wildlife and Wildlife Habitat – Management of road access
Responsible Parties:	The Proponent, Government of Nunavut, Kivalliq Inuit Association, Kivalliq Wildlife Board, and local HTOs
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure mitigation and monitoring consider increases to harvesting from improved access
Term or Condition:	<p>In consultation with the Government of Nunavut, the Kivalliq Inuit Association, the Kivalliq Wildlife Board and local Hunters and Trappers Organizations, the Proponent shall develop appropriate monitoring and mitigation measures relating to the harvesting of caribou and improved harvesting access granted by the all-weather access road. These measures shall be included within a Road Access Management Agreement that must be in place prior to construction of phase 2 of the all-weather access road. The Road Management Agreement shall include the following specific measures:</p> <ul style="list-style-type: none"> ▪ During periods when large aggregations of caribou (greater than 50 individuals) are detected within 1 km of the all-weather access road (AWAR), the road will be closed to public access via car and truck by means of a barrier at the southern gate. Public access using all-terrain vehicles (ATVs) will be allowed. ▪ During periods when large aggregations of caribou (greater than 50 individuals) are observed within 1 km of the AWAR, the road will be closed to public access via barriers at bridges on the AWAR to prevent all vehicle access, including ATVs. This will allow ATVs to enter areas previously accessible along existing trails while not facilitating access via bridges constructed specifically for the Project. ▪ Following consultation with the Nunavut Wildlife Management Board, as required under the <i>Nunavut Wildlife Act</i>, it is recommended that a no-shooting zone (1 km wide) on either side of the road should be established as a condition of public access to the AWAR and compliance with this Agnico Eagle policy should be monitored and reported by the Proponent. ▪ Dedicated 'road monitors' should patrol the road to ensure compliance with the provisions of the Road Management Plan (SD 2-9) relating to public safety and wildlife. Monitoring should be increased during periods of road closure when large aggregations of caribou are present. ▪ All incidents of hunting involving shooting along or across the

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	<p>AWAR should be reported by the Proponent to the GN.</p> <ul style="list-style-type: none"> During periods when large aggregations of caribou are detected near the Project, harvest monitoring intensity should be increased to ensure that levels of caribou harvesting are properly documented.
Reporting Requirements:	Road Access Management Agreement to be submitted to the NIRB at least 60 days prior to the commencement of construction of Phase 2 of the AWAR, with annual reporting requirements to be determined following approval of the Project by the Minister

***Commentary:** The reference in Bullet 3 above to a no-shooting zone as a condition of public access to the AWAR is a reference to a policy of the Proponent and is not a reference to policy requirements of the Nunavut Wildlife Management Board or Nunavut Wildlife Act.*

Term and Condition No.	49
Category:	Terrestrial Wildlife and Wildlife Habitat – Research licensing
Responsible Parties:	The Proponent, Nunavut Research Institute
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To facilitate licensing review
Term or Condition:	The Proponent is encouraged to consult with the Nunavut Research Institute (NRI) on the research permitting process as it relates to the <i>Nunavut Scientists Act</i> . The Proponent is encouraged to share monitoring and research study design with the NRI four (4) months prior to the anticipated commencement of research activities to facilitate licensing review.
Reporting Requirements:	To be determined following approval of the Project by the Minister

***Commentary:** The NIRB recognizes that the Proponent would only consult with and share monitoring and research study design with the NRI for those research activities undertaken by the Proponent under the Project Certificate that would trigger the requirement for a scientific research licence under the *Nunavut Scientists Act*.*

Term and Condition No.	50
Category:	Terrestrial Wildlife and Wildlife Habitat – Wildlife habitat
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure progressive reclamation of disturbed wildlife habitat
Term or Condition:	The Proponent shall develop a strategy for the recovery of terrestrial wildlife habitat in a progressive manner that is consistent with the <i>Nunavut Wildlife Act</i> .
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	51
Category:	Terrestrial Wildlife and Wildlife Habitat – Territorial Park
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize disturbance from helicopter overflights
Term or Condition:	The Proponent shall not conduct routine helicopter flights over, or land in, Iqalugaarup Nunanga Territorial Park. The Proponent will communicate this commitment to all helicopter companies contracted by it to undertake work at the Meliadine Project site prior to the start of such contracted work. Emergency flights, specifically medical evacuation flights and/or search and rescue overflights are excepted from adherence to this requirement.
Reporting Requirements:	To be determined following approval of the Project by the Minister

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Term and Condition No.	52
Category:	Terrestrial Wildlife and Wildlife Habitat – Muskoxen monitoring
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To promote coordination of monitoring efforts
Term or Condition:	The Proponent shall undertake periodic surveys and a habitat assessment for muskoxen in the regional study area by partnering with, or complementing, the existing regional muskox monitoring programs.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	53
Category:	Terrestrial Wildlife and Wildlife Habitat – Furbearer surveying
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize disturbance to furbearers from Project activities
Term or Condition:	Prior to construction of Project infrastructure and Phase 2 of the all-weather access road, the Proponent shall conduct a survey that is sufficient to locate any dens of foxes, bears or wolverines that could be damaged or destroyed during construction or operation of the Project.
Reporting Requirements:	Survey results shall be submitted to the NIRB at least 60 days prior to the commencement of construction activities, with annual reporting requirements to be determined following approval of the Project by the Minister

Term and Condition No.	54
Category:	Terrestrial Wildlife and Wildlife Habitat – Movement of wildlife

Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure Project infrastructure does not prevent or unduly limit to movement of wildlife
Term or Condition:	The Proponent shall ensure that road safety barriers or berms associated with Project infrastructure, all-weather access road and associated roads/trails are constructed to allow for the safe passage of caribou and other terrestrial wildlife while achieving the objective of separating public road use with Project-related mine traffic.
Reporting Requirements:	To be determined following approval of the Project by the Minister

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Term and Condition No.	55
Category:	Terrestrial Wildlife and Wildlife Habitat – Wildlife mortality
Responsible Parties:	The Proponent, Government of Nunavut, Designated Inuit Organization
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure clear thresholds exist for Project-related mortality of wildlife species, adequate adaptive management measures and compensation agreements are in place
Term or Condition:	In consultation with the Government of Nunavut (GN) and other affected parties, the Proponent shall set thresholds for direct mortality of wolf, grizzly bear, polar bear, wolverine, and fox to ensure monitoring and mitigation for the Project is responsive to undesirable rates of mortality. The Proponent shall reach an agreement with the appropriate Designated Inuit Organization regarding compensation or any direct mortality of wildlife resulting from the Project.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	56
Category:	Terrestrial Wildlife and Wildlife Habitat – Reporting
Responsible Parties:	The Proponent
Project Phase:	Construction, Construction, Operations, Temporary Closure /Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To mitigate and monitor for impacts to wildlife
Term or Condition:	<p>The Proponent shall report annually to the NIRB regarding its terrestrial environment monitoring efforts, with inclusion of the following information:</p> <ul style="list-style-type: none"> a. Description of all updates to terrestrial ecosystem baseline data; b. A description of the involvement of Inuit in its monitoring programs; c. A detailed presentation and analysis of the distribution relative to Project infrastructure and activities for caribou and other terrestrial mammals observed during surveys and incidental sightings;

	<p>d. Results of the annual monitoring program, including field methodologies and statistical approaches used to support conclusions drawn; and</p> <p>e. An assessment and presentation of annual environmental conditions including timing of snowmelt, green-up, as well as standard weather summaries.</p>
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	57
Category:	Terrestrial Wildlife and Wildlife Habitat – Reporting
Responsible Parties:	The Proponent
Project Phase:	Construction, Operations, Temporary Closure /Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To mitigate and monitor for impacts to wildlife
Term or Condition:	<p>Within its annual report to the NIRB, the Proponent shall incorporate a review section which includes:</p> <ul style="list-style-type: none"> a. An examination for trends in the measured natural variability of Valued Ecosystem Components in the region relative to the baseline reporting; b. A detailed analysis of wildlife responses to operations with emphasis on wildlife behaviour, mortalities and displacements (if any), and responses to operations of the all-weather access road and associated access roads/trails; c. A demonstration and description of how the monitoring results, including the all-weather access road and associated access roads/trails contribute to cumulative effects of the project; and d. Any proposed changes to the monitoring survey methodologies, statistical approaches or proposed adaptive management stemming from the results of the monitoring program.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Birds and Bird Habitat

Term and Condition No.	58
Category:	Birds and Bird Habitat – Awareness
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To prevent/minimize impacts on birds and bird habitat
Term or Condition:	The Proponent shall ensure all employees working at Project sites receive awareness training regarding the importance of avoiding known nests and nesting areas and avoiding large concentrations of foraging and moulting

	birds.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	59
Category:	Birds and Bird Habitat – Species at Risk
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize impacts on Species at Risk
Term or Condition:	If Species at Risk or their nests and eggs are encountered during Project activities or monitoring programs, the primary mitigation measure must be avoidance. The Proponent shall establish clear zones of avoidance based on the species-specific nest setback distances outlined in the Terrestrial Environment Management and Monitoring Plan.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	60
Category:	Birds and Bird Habitat – Species at Risk
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize impacts to Species at Risk
Term or Condition:	The Proponent shall ensure that the mitigation and monitoring strategies developed for Species at Risk are updated as necessary to maintain consistency with any applicable status reports, recovery strategies, action plans and management plans that may become available during the duration of the Project.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	61
Category:	Birds and Bird Habitat – Construction/clearing activities
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations
Objective:	To minimize disturbance to birds during the breeding season
Term or Condition:	Prior to bird breeding season, the Proponent shall either conduct clearing activities or identify and install nesting deterrents (e.g., flagging) to discourage birds from nesting in areas likely to be disturbed by construction/clearing activities. If clearing is to take place during the nesting season, a nest survey should take place to identify nests and any identified nests must remain undisturbed until the young have fledged or left the nest. Any nests identified shall be included as part of the annual reporting for the Terrestrial Environmental Mitigation and Monitoring Plan (TEMMP).
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	62
Category:	Birds and Bird Habitat – Construction/clearing activities
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize the impacts on birds during the breeding season
Term or Condition:	The Proponent shall protect any nests found (or indicated nests) with a buffer zone determined by the setback distances outlined in its Terrestrial Environment Mitigation and Monitoring Plan (TEMMP), until the young have fledged. If it is determined that observance of these setbacks is not feasible, the Proponent will develop nest-specific guidelines and procedures to ensure bird's nests and their young are protected.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	63
Category:	Birds and Bird Habitat – Marine considerations
Responsible Parties:	The Proponent, Environment Canada
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize the impact of marine shipping on birds and bird habitat
Term or Condition:	Any incidents of bird mortalities associated with lighting infrastructure, construction activities, and Project vessel operations are to be recorded and reported to Environment Canada (Canadian Wildlife Services). The Proponent shall work with the Canadian Wildlife Services to determine appropriate recording and reporting format and timing.
Reporting Requirements:	To be determined following approval of the Project by the Minister

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Term and Condition No.	64
Category:	Birds and Bird Habitat – Marine considerations
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure appropriate monitoring measures are in place to address the potential impacts of marine fuel spills
Term or Condition:	The Proponent shall develop a framework for monitoring of marine bird species and their habitat in the event of a major marine fuel spill. Specific details regarding the scope of follow-up monitoring may be further refined if and when such an event were to occur.
Reporting Requirements:	The framework should be submitted to the NIRB at least 90 days prior to conducting any Project-related shipping, with annual reporting requirements to be determined following approval of the Project by the Minister

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Term and Condition No.	65
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Category:	Birds and Bird Habitat – Marine considerations
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize the impact of marine shipping on birds and bird habitat
Term or Condition:	The Proponent shall maintain reduced speeds to sufficiently ensure that wakes are equal or less than the mean natural seasonal wave height to prevent wake action from negatively impacting migratory bird nests in low lying shoreline habitat.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	66
Category:	Birds and Bird Habitat – Marine considerations
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize the impact of marine shipping on birds and bird habitat
Term or Condition:	The Proponent shall ensure all Project vessels are checked for bird strikes after a suspected event and include details of its protocol to do so, as well as results, within its updated Terrestrial Environment Mitigation and Monitoring Plan.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	67
Category:	Birds and Bird Habitat – Marine considerations
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize the impact of marine shipping on birds and bird habitat
Term or Condition:	The Proponent shall submit an updated Oil Pollution Prevention Plan including measures to avoid adverse effects to species at risk and migratory birds from spills, as well as details regarding monitoring of effects of a spill on species at risk and migratory birds.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	68
Category:	Birds and Bird Habitat – Marine considerations
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize the impact of marine shipping on birds and bird habitat
Term or Condition:	The Proponent shall demonstrate consideration for the potential cumulative effects of other development projects and shipping activities (including

	community resupply) when assessing their cumulative effects on marine birds in the Hudson Strait, in its annual report.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Corrected Term and Condition No.	69
Category:	Birds and Bird Habitat – Flight altitude requirements
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize the impact of aircraft on birds and bird habitat
Term or Condition:	<p>Subject to safety requirements, the Proponent shall require all Project related aircraft to maintain a cruising altitude of at least:</p> <ul style="list-style-type: none"> a. 650 m during point to point travel when in areas likely to have migratory birds b. 1100 m vertical and 1500 m horizontal distance from observed concentrations of migratory birds c. 1100 m over the area identified as a key site for moulting snow geese during the moulting period (July-August), and if maintaining this altitude is not possible, maintain a lateral distance of at least 1500 m from key sites for moulting snow geese.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	70
Category:	Birds and Bird Habitat – Flight altitude requirements
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize the impact of aircraft on bird and bird habitat
Term or Condition:	The Proponent shall ensure that pilots are informed of minimum cruising altitude guidelines and that a daily log or record of flight paths and cruising altitudes of aircraft within all Project areas is maintained and made available for regulatory authorities such as Transport Canada to monitor adherence and to follow up on complaints.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	71
Category:	Birds and Bird Habitat – Monitoring
Responsible Parties:	The Proponent, Kivalliq Inuit Association, Kivalliq HTOs and communities
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To develop appropriate mitigation measures and monitoring plans related to birds
Term or Condition:	The Proponent shall develop detailed and robust mitigation and monitoring

	plans for migratory birds, reflecting input from relevant agencies, the Kivalliq Inuit Association and communities.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	72
Category:	Birds and Bird Habitat – Monitoring
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize the impact to sensitive bird species
Term or Condition:	The Proponent shall continue to develop and update relevant monitoring and management plans for migratory birds under the Proponent's Environmental Protection Plan and Terrestrial Environment Mitigation and Monitoring Plan (TEMMP) prior to construction. The key indicators for follow up monitoring under this plan will include upland birds (including migratory birds), waterbirds, raptors, and seabirds including migration and wintering.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	73
Category:	Birds and Bird Habitat – Monitoring
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To assess the extent of terrestrial habitat loss
Term or Condition:	The Proponent's monitoring program shall assess and report, on annual basis, the extent of terrestrial habitat loss due to the Project to verify impact predictions and provide updated estimates of the total Project footprint.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	74
Category:	Birds and Bird Habitat – Monitoring
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize the impact of Project activities on water birds
Term or Condition:	The Proponent's Terrestrial Management and Monitoring Plan (TEMMP) shall include mitigation measures implemented to prevent the use of water attenuation ponds by waterfowl and waterbirds and monitoring that assesses whether the mitigation measures are working or revised or further deterrent measures are required.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	75

Category:	Birds and Bird Habitat – Monitoring
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To minimize the impact of predatory species on nesting birds
Term or Condition:	The Proponent shall implement mitigation measures and monitoring programs to limit the attraction of predators and scavengers to Project facilities in the TEMMP and other plans such as the Landfill and Waste Management Plan as appropriate.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Marine Environment

Term and Condition No.	76
Category:	Marine Environment – General
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure plans and Project design reflect the need to protect the ecosystemic integrity of the marine environment
Term or Condition:	The Proponent shall update all relevant plans including, but not limited to: the Shipping Management Plan, Wildlife Mitigation and Monitoring Plan, and Adaptive Management Plan, in order to address concerns and identify potential impacts of the Project and proposed mitigation measures designed to protect the integrity of the marine environment. The Shipping Management Plan shall also incorporate updates for all Project-related shipping.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	77
Category:	Marine Environment – Spill prevention
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure appropriate response capacity for potential spill events
Term or Condition:	The Proponent shall ensure that it maintains the necessary equipment and trained personnel to respond to all sizes of potential spills associated with the Project in a self-sufficient manner.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	78
Category:	Marine Environment – Spill prevention

Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure accurate and adequate spill response and emergency preparedness
Term or Condition:	<p>Prior to the shipping of Project supplies, the Proponent shall conduct fuel spill dispersion modeling that will, at a minimum, consider:</p> <ul style="list-style-type: none"> a. Modeling of oil spills in the following areas: <ul style="list-style-type: none"> i. Pinch points, including: Hudson Strait, Melvin Bay area including Itivia Harbour and Panorama Island; ii. Shallow water and shorelines; and, iii. Areas that have been identified as having high flows and/or high concentrations of marine mammals, marine fish or seabirds; b. Open water and ice-covered conditions; c. Spill volumes up to and including loss of a full tanker cargo; and, d. Differences in the quantity and properties of each type of bulk fuel transported by vessels when they are at, or in transit to, the port of Rankin Inlet.
Reporting Requirements:	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

Commentary: Modelling considerations related to item (b) should be inclusive of seasonal ice variability, i.e. ice formation and break up.

Marine Wildlife

Term and Condition No.	79
Category:	Marine Wildlife – Updated baseline
Responsible Parties:	The Proponent, other parties as appropriate
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure updated and accurate marine baseline data is available prior to Project-related shipping
Term or Condition:	<p>Prior to any Project-related shipping, the Proponent will update its marine baseline information to ensure that it includes the most recent information on marine wildlife abundance and distribution, carefully considers seasonal distribution patterns of marine wildlife, and incorporates western scientific and Inuit Qaujimajatuqangit knowledge sources. The updated marine baseline should be made available to appropriate authorities for feedback, then incorporated into the Proponent's Shipping Management Plan (SMP), with continued updates on a regular basis as new information becomes available.</p>
Reporting Requirements:	Updated baseline should be provided to the NIRB and appropriate

	authorities prior to the commencement of Project-related shipping, with annual reporting requirements to be determined following approval of the Project by the Minister
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Term and Condition No.	80
Category:	Marine Wildlife – Marine baseline
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure updated and accurate marine baseline data is available
Term or Condition:	The Proponent shall assess its available baseline information for Melvin Bay and for the area surrounding the fuel transshipment anchorage to ensure that both are adequate for the detection of Project-related impacts, particularly related to contaminants.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	81
Category:	Marine Wildlife – Wildlife plans
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure relevant plans incorporate mitigation and monitoring programming for marine wildlife
Term or Condition:	<p>Prior to any Project-associated shipping, the Proponent shall revise and update the Terrestrial Environment Management Plan (TEMMP) and/or the Shipping Management Plan (SMP) to include following information:</p> <ul style="list-style-type: none"> a. a plan for involvement of local hunters in wildlife baseline studies and monitoring program; b. a plan for coordinating wildlife studies/monitoring activities with other organizations, institutions, government departments and/or individual researchers conducting wildlife studies in the regional study area; and c. measures to be applied to avoid or reduce the disturbance, harassment, injury or mortality of marine mammals due to shipping activities.
Reporting Requirements:	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, with annual reporting requirements to be determined following approval of the Project by the Minister

Term and Condition No.	82
Category:	Marine Wildlife – Monitoring
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and

	Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure monitoring of marine wildlife during Project-related ship voyages
Term or Condition:	The Proponent shall require all contracted shipping companies to provide full-time marine wildlife monitoring using trained observers and established data collection and recording protocols. Monitoring plans should include provisions for all <i>Species At Risk Act</i> (SARA) and for the Committee on the Status of Endangered Wildlife in Canada (COSEWIC) listed species (birds and mammals).
Reporting Requirements:	Updated monitoring plans should be provided to the NIRB a minimum of 120 days prior to the commencement of Project-related shipping, with annual reporting requirements to be determined following approval of the Project by the Minister

Commentary: The Proponent is encouraged to consult with the parties involved with marine wildlife management to develop standardized marine wildlife data collection and recording protocols.

Term and Condition No.	83
Category:	Marine Wildlife – Marine mammal interactions
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To prevent impacts to marine mammals associated with Project shipping
Term or Condition:	<p>The Proponent shall ensure that, subject to vessel and human safety considerations, all Project shipping adhere to the following mitigation procedures while in the vicinity of marine mammals (including polar bear) and birds:</p> <ul style="list-style-type: none"> a. Marine mammals will be given right of way; b. Ships will when possible, maintain a straight course and constant speed, avoiding erratic behavior; and c. When marine mammals appear to be trapped or disturbed by vessel movements, the vessel will implement appropriate measures to mitigate disturbance, including stoppage of movement until wildlife have moved away from the immediate area.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	84
Category:	Marine Wildlife – Route planning
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To mitigate potential impacts terrestrial walrus haulouts
Term or Condition:	Prior to any Project-related shipping, the Proponent will prepare a map of terrestrial walrus haulouts (uglit) in the Project area, and use this information for route planning, fuel spill modeling, and sensitive area

	identification. The map should include all available sources of information on ugllit locations, including scientific knowledge and Inuit Qaujimagatuqangit and shall be updated by the Proponent whenever new information becomes available.
Reporting Requirements:	Mapping and associated details should be provided to the NIRB a minimum of 180 days prior to the commencement of Project-related shipping, with annual reporting requirements to be determined following approval of the Project by the Minister

Term and Condition No.	85
Category:	Marine Wildlife – Monitoring
Responsible Parties:	The Proponent
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To monitor potential impacts to walruses
Term or Condition:	The Proponent shall consider ways to monitor disturbance to walruses at terrestrial haulout sites, including but not limited to remote monitoring (e.g., time-lapse cameras) and community-based monitoring or Inuit Qaujimagatuqangit surveys.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	86
Category:	Marine Wildlife – Cumulative effects
Responsible Parties:	The Proponent, other parties as appropriate
Project Phase:	Pre-construction, Construction, Operations, Temporary Closure/Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To promote coordinated understanding and mitigation of potential cumulative effects
Term or Condition:	The Proponent is encouraged to liaise with relevant stakeholders, regulatory agencies and/or forums (e.g. the Marine Environmental Working Group associated with the Mary River Project), that might allow for participation in relevant research and management initiatives and increasing understanding and mitigation of potential cumulative effects associated with the Project's shipping activities through the Hudson Strait.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Socio-Economic Terms and Conditions

Economic Development, Contracting, and Business Opportunities

Term and Condition No.	87
Category:	Economic Development, Contracting and Business Opportunities – Socio-Economic Monitoring, Kivalliq Socio-Economic Monitoring Committee

Responsible Parties:	The Proponent, members of the KSEMC
Project Phase:	Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	Description of the general monitoring framework to be developed in consultation with the Kivalliq Socio-Economic Monitoring Committee.
Term or Condition:	The Proponent is strongly encouraged to participate in the work of the Kivalliq Socio-Economic Monitoring Committee along with other agencies and the communities of the Kivalliq region, and to identify areas of mutual interest and priority for inclusion into a collaborative monitoring framework that includes socio-economic priorities related to the Project, communities, and the Kivalliq region as a whole.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	88
Category:	Economic Development, Contracting and Business Opportunities – Socio-Economic Monitoring
Responsible Parties:	The Proponent, KIA, GN, AANDC, Kivalliq communities
Project Phase:	Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	Description of a socio-economic monitoring working group to oversee project-specific monitoring program
Term or Condition:	The Proponent is encouraged to work in collaboration with other socio-economic stakeholders including for example, the KIA, GN, AANDC, and communities of the Kivalliq region, to establish a socio-economic working group for the Project to develop and oversee the Meliadine Socio-economic Monitoring Program. The working group should develop a Terms of Reference which outlines each member's roles and responsibilities with regards to, where applicable, project-specific socio-economic monitoring throughout the life of the Project. The Terms of Reference are to be provided to the NIRB upon completion, and within one year of issuance of the Project Certificate.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	89
Category:	Economic Development, Contracting and Business Opportunities – Socio-Economic Monitoring
Responsible Parties:	The Proponent, KSEMC, KIA, GN, AANDC, Kivalliq communities
Project Phase:	Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	Details regarding the establishment of Project-specific socio-economic monitoring program.
Term or Condition:	The Proponent shall develop the Meliadine Socio-economic Monitoring Program to monitor the predicted impacts outlined in the FEIS as well as regional concerns identified by the Kivalliq Socio-economic Monitoring Committee (SEMC). Where possible, the Proponent is encouraged to work in collaboration with all other socio-economic stakeholders such as the KIA,

	GN, AANDC and the communities of the Kivalliq region in developing this program, which should include a process for adaptive management and mitigation in the event unanticipated impacts are identified. Details of the Meliadine Socio-economic Monitoring Program are to be provided to the NIRB upon finalization, and within one year of issuance of the Project Certificate.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	90
Category:	Economic Development, Contracting and Business Opportunities – Closure planning and monitoring
Responsible Parties:	The Proponent, KSEMC
Project Phase:	Pre-Construction, Construction
Objective:	To capture and provide analysis of Project-specific and regional data during Project closure(s), and to clarify mitigation measures related to closure.
Term or Condition:	Prior to the commencement of operations, the Proponent is required to undertake an analysis of the risk of temporary mine closure, giving consideration to how communities in the Kivalliq region may be affected by temporary and permanent closure of the mine, including economic, social and cultural effects. The results of this analysis are to be provided to the NIRB upon completion.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	91
Category:	Economic Development, Contracting and Business Opportunities – Closure planning and monitoring
Responsible Parties:	The Proponent, KSEMC
Project Phase:	Pre-Construction, Construction
Objective:	To capture and provide analysis of Project-specific and regional data during Project closure(s), and to clarify mitigation measures related to closure.
Term or Condition:	Within 3 months of the NIRB's acceptance of the Proponent's analysis of the risk of temporary mine closure referenced above, the proponent is expected to update its Socio-Economic Management Plan or to include within a newly developed plan or framework, a description of its plan to collect and analyze Project-specific and regional data at closure and post-closure phases, as well as its defined measures to help mitigate impacts which may result from Project closure(s), both temporary and final.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Employment

Term and Condition No.	92

Category:	Employment – Employment schedule
Responsible Parties:	The Proponent
Project Phase:	Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	In the interest of producing accurate labour market information and reliable economic and employment forecasting for the current and future labour force, it is important to have up-to-date estimates of the types of employment available through the Project, and what skills are required for these jobs.
Term or Condition:	<p>The Proponent shall submit a detailed staff schedule to the NIRB and to the Government of Nunavut in the first 6 months following the issuance of a Project Certificate. The schedule should, at a minimum, provide a description of:</p> <ul style="list-style-type: none"> a. Title of positions required by department and division; b. Quantity of positions available by Project phase and year; c. Transferable skills, both certified and uncertified which may be required for, or gained during, employment within each position; and, d. The National Occupational Classification (NOC) code for each individual position. <p>The Proponent is encouraged to consult the Government of Nunavut during development of the schedule. A new schedule should be submitted following any significant deviation from original predictions.</p>
Reporting Requirements:	Within 6 months of Project Certificate issuance and as required thereafter.

Term and Condition No.	93
Category:	Employment – Registration of trades workers
Responsible Parties:	The Proponent
Project Phase:	Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure that the Government of Nunavut has accurate information to assist it in its role as overseer of the apprenticeship program in Nunavut and in its provision of access to training initiatives and programs.
Term or Condition:	The Proponent is encouraged to register all trades occupations, journeypersons and apprentices working with the Project and to register any trades occupations listed in its forecast, as well as to provide the Government of Nunavut with information regarding the number of registered apprentices and journeypersons from other jurisdictions employed at the Project during each year of the Project's life.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	94
Category:	Employment – Labour force analysis
Responsible Parties:	The Proponent

Project Phase:	Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To update information provided within the FEIS and monitor Project impacts on labour force characteristics throughout the life of the Project.
Term or Condition:	The Proponent shall update its labour force analysis utilizing current or the most recent baseline information as may be available from the Nunavut Bureau of Statistics or Statistics Canada. The updated labour force analysis is to be provided to the NIRB within 6 months of the Project Certificate being issued. The Proponent is encouraged to work collaboratively with other stakeholders to monitor any impacts the Project may have on the labour force characteristics of the Kivalliq region during all project phases.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Education and Training

Term and Condition No.	95
Category:	Education and Training – Transferable skills and training
Responsible Parties:	The Proponent, Kivalliq Inuit Association, Government of Nunavut, Municipal Training Organization
Project Phase:	Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	Offering training which results in certification that is valid for employment at other sites or in other fields contributes to the long-term employability of Nunavummiut.
Term or Condition:	The Proponent is encouraged to work with training organizations and/or government departments offering mine-related or other training in order to provide additional opportunities for residents and employees to gain meaningful and transferable skills and certifications.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	96
Category:	Education and Training – Transferable skills and training
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction
Objective:	Offering training which results in certifications that are valid for employment at more than one site or in different fields contributes to the long-term employability of Nunavummiut.
Term or Condition:	Prior to construction, the Proponent shall develop an easily referenced listing of formal certificates and licences that may be acquired via on-site training or training during Project employment. The listing shall indicate which of these certifications and licences would be transferable to a similar job site within Nunavut, and should be updated on an annual basis, and is to be provided to the NIRB upon completion and as may be revised.
Reporting Requirements:	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.
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Term and Condition No.	97
Category:	Education and Training – Monitoring impacts of closure
Responsible Parties:	The Proponent
Project Phase:	Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To further the understanding of the impacts that Project closure may have on education and training.
Term or Condition:	The Proponent's project-specific socio-economic monitoring program should be updated to address the potential impacts to education and training which may arise from temporary, final and/or post-closure phases.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	98
Category:	Education and Training – Monitoring impacts to education system
Responsible Parties:	The Proponent, KSEMC
Project Phase:	Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To further the understanding of potential impacts from pressures to the education system in the Kivalliq region and individual communities throughout the life of the Project.
Term or Condition:	The Proponent is encouraged to work with the members identified as potential stakeholders in the socio-economic monitoring working group and with the Kivalliq Socio-Economic Monitoring Committee to review and monitor education utilization rate trends on an on-going basis to understand if the Project can be determined to be having an impact on the education system of the Kivalliq region and/or on any communities in particular.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Population Demographics

Term and Condition No.	99
Category:	Population Demographics – Monitoring demographic changes
Responsible Parties:	The Proponent, KSEMC
Project Phase:	Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	Monitoring demographic changes affecting the Kivalliq communities is important to understanding trends which may be correlated with the Meliadine Project or other activities in the region.
Term or Condition:	The Kivalliq Socio-Economic Monitoring Committee and its membership are encouraged to engage in the monitoring of demographic changes including

	the movement of people into and out of the Kivalliq communities and the territory as a whole. This information may be used in conjunction with monitoring data obtained by the Proponent from recent hires and/or outgoing employees in order to assess the potential effects of the Project on migration.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	100
Category:	Population Demographics – Survey of Nunavummiut employees
Responsible Parties:	The Proponent, KSEMC, GN
Project Phase:	Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	Monitoring changes in the circumstances of Nunavummiut employees may provide important information which could be used to evaluate predictions made and the potential impacts to Kivalliq communities.
Term or Condition:	The Proponent is encouraged to work with the Kivalliq Socio-Economic Monitoring Committee to design and implement a voluntary survey to be offered to its Nunavummiut employees on an annual basis in order to identify changes of address, housing status (i.e. public/social, privately owned/rented, government, etc.), and migration intentions, while respecting confidentiality of all persons involved. The survey should be designed in collaboration with the Government of Nunavut, the Nunavut Housing Corporation and other relevant stakeholders. Non-confidential results of the survey are to be reported to the Government of Nunavut and the NIRB.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	101
Category:	Population Demographics – Employee origin
Responsible Parties:	The Proponent
Project Phase:	Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	Project-specific information regarding employee origin is important to comparing predictions of labour availability and employment opportunities with actual levels of employment from various demographic segments over different geographic areas.
Term or Condition:	<p>The Proponent shall include with its annual reporting to the NIRB a summary of employee origin information as follows:</p> <ol style="list-style-type: none"> The number of Inuit and non-Inuit employees hired from each of the Kivalliq communities, specifying the number from each; The number of Inuit and non-Inuit employees hired from each of the Kitikmeot and Qikiqtani regions, specifying the number from each; The number of Inuit and non-Inuit employees hired from a southern location or other province/territory outside of Nunavut, specifying

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	the locations and the number from each; and d. The number of non-Canadian foreign employees hired, specifying the locations and number from each foreign point of hire.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Traditional Activity and Knowledge

Term and Condition No.	102
Category:	Traditional Activity and Knowledge – Meliadine Lake community boat launch
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	Appropriate planning for and consideration of, mitigation in design features and further monitoring of usage is an important component of the public boat launch as proposed in order to ensure public and worker safety.
Term or Condition:	Prior to commencing construction of the Discovery spur road to pass Meliadine Lake, the Proponent shall provide to the NIRB, details regarding the design features for the Meliadine Lake community boat launch, including traffic turnoffs from the all-weather access road, relevant signage, parking areas, considerations for public safety around the boat launch, plans for garbage removal and treatment of other refuse including buildings and equipment which may be stored at the site, as well as plans to monitor and/or maintain the site, including frequency and timing. These details, once finalized, shall also be incorporated, as updates, to various mitigation, monitoring and/or management plans as applicable.
Reporting Requirements:	Initial details to be provided prior to commencement of construction of the Discovery spur road; submission of updated plans and monitoring details to be determined following approval of the Project by the Minister

Term and Condition No.	103
Category:	Traditional Activity and Knowledge – Community input to monitoring
Responsible Parties:	The Proponent, KIA, KHTO, KSEMC
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	Incorporating community input into monitoring plans, programs and mitigation measures is important to ensuring they consider traditional knowledge and activities.
Term or Condition:	The Proponent is encouraged to consult with the Kangiqliniq Hunters and Trappers Organization and the Kivalliq Socio-Economic Monitoring Committee and to make all reasonable efforts to engage Elders and community members of the Kivalliq communities in order to have community level input into updates to its monitoring plans, programs and mitigative measures. This type of engagement will ensure that these

	<p>programs and measures have been informed by traditional activities, cultural resources, and land use as such may be implicated or impacted by ongoing Project activities. All plans are to include a feedback mechanism for consulting with residents of the Kivalliq, including the provision of results from the Proponent's wildlife monitoring programs to each community.</p> <p>The Proponent shall submit updated plans to the NIRB within 30 days' of their revision and/or finalization.</p>
Reporting Requirements:	To be determined following approval of the Project by the Minister

Non-Traditional Land Use and Resource Use

Term and Condition No.	104
Category:	Non-Traditional Land Use and Resource Use – Consultation with outfitters and guides
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	It is important that the Proponent have an accurate understanding of land use patterns near Project activities in order to properly assess safety precautions that may be needed to protect human and environmental health, as well as to understand where these uses may be impacted by Project activities.
Term or Condition:	The Proponent is encouraged to consult with outfitting and guiding businesses that operate in the LSA and RSA regarding use of the area, specifically as it relates to hunting, fishing and guiding within proximity of the AWAR. Results of this consultation should be incorporated into updated plans where applicable.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	105
Category:	Non-Traditional Land Use and Resource Use – Hunter harvest survey
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	Where possible, relevant information obtained from non-traditional land uses such as outfitting and guiding may help in improving the robustness of the hunter harvest survey to be carried out by the Proponent.
Term or Condition:	The Proponent is strongly encouraged to consider incorporating information obtained from local outfitting and guiding businesses into its Hunter Harvest Survey where possible, and to include these organizations as potential respondents to surveys undertaken.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Cultural, Archaeological and Paleontological Resources

Term and Condition No.	106
Category:	Cultural, Archaeological and Paleontological Resources – Inspection reporting
Responsible Parties:	The Proponent, GN
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	It is important that the Proponent and the GN determine a mutually agreeable schedule for the Proponent's reporting of inspection results, as this information may be needed for adjustments to mitigation and/or monitoring measures and programs.
Term or Condition:	The Proponent shall, in consultation with the Government of Nunavut's Territorial Archaeologist, determine a reporting frequency for the provision of inspection reports to the Government of Nunavut regarding the status of the Meliadine River Bridge, the Char River Bridge, and the M5 Bridge Crossing during the spring freshet period (mid-May to June) and during the remainder of the ice-free period to freeze-up (July to October).
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	107
Category:	Cultural, Archaeological and Paleontological Resources – Mitigation of ice buildup
Responsible Parties:	The Proponent, GN
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	It is important that a plan be developed to address ice buildup at various Project bridge crossings in order to ensure the protection of archaeological resources.
Term or Condition:	The Proponent shall consult with the Government of Nunavut – Department of Culture and Heritage in developing a mitigation plan to address ice buildup at the Meliadine River Bridge, the Char River Bridge, and the Bridge Crossing at M5. The Proponent shall submit this mitigation plan to the NIRB once finalized.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Individual and Community Wellness

Term and Condition No.	108
Category:	Individual and Community Wellness – Counseling and treatment programs
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring

Objective:	To make available, necessary treatment and counseling services for employee and family well-being.
Term or Condition:	The Proponent is encouraged to consider providing access to counseling and treatment programs for substance and gambling addictions, and programs which address domestic, parenting, and marital issues that could affect employees and/or their families.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	109
Category:	Individual and Community Wellness – Indirect impacts to health and well-being
Responsible Parties:	The Proponent, KSEMC
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To understand the indirect impacts of the Project upon health and well-being.
Term or Condition:	The Proponent is encouraged to work with the Kivalliq Socio-Economic Monitoring Committee to monitor potential indirect effects of the Project, including indicators such as the prevalence of substance abuse, gambling issues, family violence, marital problems, rates of sexually transmitted infections and other communicable diseases and others as deemed appropriate.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	110
Category:	Individual and Community Wellness – Employee cohesion
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To encourage the on-site cohesion and wellbeing of employees thorough cultural awareness and wellness programs
Term or Condition:	<p>The Proponent shall provide the NIRB with a description of wellness and cultural diversity/acceptance programming made available to employees and family or community members and shall report the following information with respect to each program to the NIRB annually:</p> <ul style="list-style-type: none"> a. Language of instruction; b. Uptake by employees and/or family members where relevant, noting Inuit and non-Inuit participation rates; c. Completion rates for enrolled participants, noting Inuit and non-Inuit rates; and d. Issues as may relate to program content which may have been noted or present either on site or in the community and which affect Project employment or employee wellness.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	111
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Category:	Individual and Community Wellness – Employee training opportunities
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To understand how the Proponent's employee training programs are delivered and received, including uptake and completion rates by Inuit and non-Inuit staff.
Term or Condition:	In its annual reporting to the NIRB, the Proponent is strongly encouraged to provide detailed descriptions of all employee programs and training including: <ul style="list-style-type: none"> a. Descriptions of the goals of each program offered; b. Language of instruction; c. Schedules and location(s) of when each program was offered; a. Uptake by employees and/or family members where relevant, noting Inuit and non-Inuit participation rates; and, b. Completion rates for enrolled participants, noting Inuit and non-Inuit rates.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	112
Category:	Individual and Community Wellness – Access to housing
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To investigate ways that economic development and self-reliance may improve access to housing by employees.
Term or Condition:	The Proponent is encouraged to investigate measures and programs designed to assist Project employees with pursuing home ownership or accessing affordable housing options.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Community Infrastructure

Term and Condition No.	113
Category:	Community Infrastructure – Access to public housing
Responsible Parties:	The Proponent, KSEMC, GN-Nunavut Housing Corporation
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To inform the territory with respect to current housing rates, needs, and intentions to migrate may provide the GN with insight as to where additional resources may need to be devoted, based on trends that can be identified.
Term or Condition:	The Proponent is encouraged to collaborate with the Kivalliq Socio-Economic Monitoring Committee and the Government of Nunavut –

	Nunavut Housing Corporation, to design and implement a voluntary employee survey to be completed on an annual basis in order to identify any changes of address, detailed occupancy status (i.e., public/social, privately owned/rented, government, number of people sharing the resident space, etc.), housing preferences, migration intentions, and reasons for migration while respecting confidentiality of all person involved. Non-confidential results of the survey are to be reported to the Government of Nunavut and the Nunavut Impact Review Board.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	114
Category:	Community Infrastructure – Financial literacy and planning programs
Responsible Parties:	The Proponent, GN-Nunavut Housing Corporation
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure accurate and helpful information is passed to Project employees relating to financial literacy and housing/homeownership.
Term or Condition:	The Proponent is encouraged to collaborate with the Government of Nunavut – Nunavut Housing Corporation prior to the development and inception of its programs relating to financial literacy and planning to ensure that relevant and accurate information about housing and home ownership is available and considered for inclusion.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	115
Category:	Community Infrastructure – Impacts to health services
Responsible Parties:	The Proponent, GN
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	It is important to understand potential Project-specific impacts to the local health services, as well as to ensure a clear procedure is developed for Project employee medical referrals.
Term or Condition:	The Proponent is encouraged to work collaboratively with the Government of Nunavut Department of Health to monitor the impacts of the Meliadine Gold Project on health services within the LSA communities and specifically, Rankin Inlet.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Public and Worker Health and Safety

Term and Condition No.	116
Category:	Public and Worker Health and Safety – Air quality monitoring
Responsible Parties:	The Proponent, Government of Nunavut
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and

	Maintenance, Closure and Post-Closure Monitoring
Objective:	Adequate analysis of particulate matter is required in order to understand the potential impacts to human health.
Term or Condition:	<p>The Proponent shall update the air quality monitoring aspect of its environmental and health risk monitoring program to include the following parameters for particulate matter:</p> <ol style="list-style-type: none"> An analysis of the metals content of the dust collected in passive monitoring; and Discrete samples to be collected on a frequency to be determined in collaboration with the Government of Nunavut, from the camp, and analyzed for acrolein and aldehyde. <p>Results are to be incorporated into the Proponent's annual reporting for submission to the NIRB.</p>
Reporting Requirements:	To be determined following approval of the Project by the Minister

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Other Terms and Conditions

Accidents and Malfunctions

Term and Condition No.	117
Category:	Accidents and Malfunctions – All-weather access road
Responsible Parties:	The Proponent, Kivalliq Inuit Association, Hamlet of Rankin Inlet, community members
Project Phase:	Pre-Construction
Objective:	To ensure overall safety through design and operation of the road, in accordance with relevant legislation and regulatory requirements
Term or Condition:	Prior to construction Phase 2 of the all-weather access road and the Rankin Inlet bypass road, the Proponent shall consult applicable laws in Canada and Nunavut as well as meet with all regulatory agencies and the public as it finalizes its road operations plans.
Reporting Requirements:	To be determined following approval of the Project by the Minister

***Commentary:** The reference to meeting with “all regulatory agencies” is intended to be all “relevant” regulatory agencies with a mandate in relation to the all-weather access road.*

Term and Condition No.	118
Category:	Accidents and Malfunctions – All-weather access road
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure adequate monitoring of wildlife presence informs road management and operations
Term or Condition:	The Proponent shall include in an updated Terrestrial Wildlife Management and Monitoring Plan (TEMMP), plans for increased caribou monitoring efforts including weekly winter track surveying and summer and fall surveys

	undertaken on foot twice per month. These results shall be reported to the NIRB with the Proponent's annual reporting requirements.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	119
Category:	Accidents and Malfunctions – All-weather access road
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To mitigate potential interactions of caribou with traffic along the AWAR
Term or Condition:	The Proponent shall include within its updated Terrestrial Wildlife Management and Monitoring Plan, a commitment to 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 (such as areas where caribou are utilizing the AWAR to facilitate movement, areas where caribou may be licking minerals/road salt from the road, areas where caribou are gathering to avoid insects, etc.).
Reporting Requirements:	The updated plan should be submitted to the NIRB at least 90 days prior to the start of construction, with annual reporting requirements to be determined following approval of the Project by the Minister

Term and Condition No.	120
Category:	Accidents and Malfunctions – Marine shipping
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure protection of the marine environment
Term or Condition:	The Proponent shall contract only Transport Canada certified shippers to carry cargo for the Project, and will ensure shippers are aware of the requirements of the Shipping Management Plan, the Risk Management and Emergency Response Plan and the Oil Pollution Emergency Plan (OPEP).
Reporting Requirements:	To be determined following approval of the Project by the Minister

Commentary: As clarified by Transport Canada, Transport Canada certifies "vessels" or "ships" and not the "shippers" themselves. The Term and Condition should be implemented with the recognition that the Proponent intends to use Canadian-flagged ships or vessels only.

Term and Condition No.	121
Category:	Accidents and Malfunctions – Marine shipping
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure protection of the marine environment

Term or Condition:	The Proponent shall monitor the ingress/egress of Project related ships at Rankin Inlet and report any accidents or spills immediately to the regulatory agencies as required by law and to NIRB's Monitoring Officer.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	122
Category:	Accidents and Malfunctions – Marine shipping
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure protection of the marine environment
Term or Condition:	The Proponent shall ensure that best practices are used at all times during ship to shore and other marine-based fuel transfer events, including implementing measures specifically designed to prevent leaks and spills resulting from ice forming on the hoses during fuel transfers.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	123
Category:	Accidents and Malfunctions – Marine shipping
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure protection of the marine environment
Term or Condition:	The Proponent shall ensure that the necessary spill response equipment and training is available prior to commencing project shipping.
Reporting Requirements:	To be determined following approval of the Project by the Minister

Term and Condition No.	124
Category:	Accidents and Malfunctions – Spill preparedness
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure protection of local water resources
Term or Condition:	Prior to construction, the Proponent shall update its Spill Contingency Plan specific to a major spill event occurring on the bypass road and within proximity to (and including potential spills into) Nipissar Lake.
Reporting Requirements:	The updated plan should be submitted to the NIRB at least 90 days prior to the start of construction, with annual reporting requirements to be determined following approval of the Project by the Minister

Term and Condition No.	125

Category:	Accidents and Malfunctions – All-weather access road
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure rules for use of the road are clearly communicated in the interest of providing for the health and safety of all users of the AWAR
Term or Condition:	<p>The Proponent shall implement all such measures necessary to protect public and mine traffic on all Project roads. The measures undertaken shall include, but are not limited to:</p> <ul style="list-style-type: none"> a. Prior to expansion of the AWAR, the Proponent shall update its Roads Management Plan to include a detailed consultation plan specifying the methods the Proponent will use to provide the Kivalliq Inuit Association, members of the Hunters and Trappers Organizations in the area, residents of Rankin Inlet and the Hamlet of Rankin Inlet with information regarding the safety requirements of AWAR use. The updated Plan is to be submitted to the Nunavut Impact Review Board, Kivalliq Inuit Association, Kangiqliniq Hunters and Trappers Organization, and the Government of Nunavut; b. Prior to the opening of the AWAR to the public, and annually thereafter, advertise and hold at least one community meeting in the Hamlet of Rankin Inlet and Chesterfield Inlet to explain to the community the rules for use of the road; c. Prior to the opening of the AWAR to the public, the Proponent shall address enforcement of health and safety rules for the operation of the road (i.e., no shooting zone) and implement necessary communications with the public (i.e., signage and public meetings), which includes, but is not limited to: <ul style="list-style-type: none"> i. Maintaining manned and unmanned gates as proposed along the all-weather access road; ii. The posting of signs in English and Inuktitut along the road at appropriate intervals (i.e., 10 km and bridge crossings); and iii. Place notices at least quarterly on the radio and television to explain to the community the rules for use of the road; d. Once the AWAR expansion is completed and the road is opened to the public, the Proponent shall conduct a vehicle survey four times annually (once during the weekdays during the winter season, once during the week end days during the winter season, once during the weekdays during the summer season and once during the week end days during the summer season) to record the number and types of mine vehicles and the number and type of public vehicles using the AWAR over a 12 hour period (8:00 am to 8:00 pm). The vehicle survey data shall be collated as indicated above and provided in the Proponent's Annual Report; e. Prior to the development of the Discovery deposit, the Proponent

	<p>shall update its Road Management Plan for the planned operation of the twinned road which could include additional rules, Project infrastructure, or other measures designed to maintain safety for employees and the public; and</p> <p>f. Report all accidents or other safety incidents on the road, to the Government of Nunavut, Kivalliq Inuit Association, the Hamlet of Rankin Inlet and the NIRB immediately.</p>
Reporting Requirements:	The updated plan should be submitted to the NIRB at least 90 days prior to the start of construction, with annual reporting requirements to be determined following approval of the Project by the Minister

Commentary: The reference under the Reporting Requirements to “90 days prior to the start of construction” is not intended to be tied to general project construction, but rather is intended to be linked to 90 days prior to the construction associated with the expansion of the AWAR (referred to as “Phase 2 of the AWAR development” in the Proponent’s Final Environmental Impact Statement).

Alternatives Analysis

Term and Condition No.	126
Category:	Alternatives Analysis – All-weather access road
Responsible Parties:	The Proponent
Project Phase:	Pre-Construction
Objective:	To ensure clear and consistent communication of safety requirements and road use limitations to inform members of the public
Term or Condition:	Prior to expansion of the AWAR, the Proponent shall prepare and add to the finalized Roads Management Plan (SD 2-9), a detailed consultation plan specifying the methods the Proponent will use to provide the Kivalliq Inuit Association, members of the Hunters and Trappers Organizations in the area, residents of Rankin Inlet and the Hamlet of Rankin Inlet with information regarding the safety requirements and any limitations on public AWAR use (i.e. the “rules of the road”) and to ensure that this information continues to be clearly communicated on an on-going basis while the public has access to the AWAR.
Reporting Requirements:	The updated plan should be submitted to the NIRB at least 90 days prior to the start of construction, with annual reporting requirements to be determined following approval of the Project by the Minister

Term and Condition No.	127
Category:	Alternatives Analysis – Marine shipping
Responsible Parties:	The Proponent, Kivalliq Inuit Association, Kivalliq HTOs
Project Phase:	Pre-Construction, Construction, Operations, Temporary Closure / Care and Maintenance, Closure and Post-Closure Monitoring
Objective:	To ensure adaptive management measures are available to address impacts

	to marine mammals
Term or Condition:	The Proponent shall, in coordination and consultation with the Kivalliq Inuit Association and the Hunters and Trappers Organizations of the Kivalliq communities, provide updates to its Shipping Management Plan to identify adaptive management measures that will be employed if effects monitoring identifies potential for effects on marine mammal populations along the shipping route.
Reporting Requirements:	The updated plan should be submitted to the NIRB at least 90 days prior to the start of construction, with annual reporting requirements to be determined following approval of the Project by the Minister

APPENDIX A – MONITORING PROGRAM

[To be developed]

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