



review process and necessary to facilitate parties' technical review of the DEIS and subsequent development of technical review comments.

Certain IRs contained within parties' submissions appear to be outside the scope of an IR or what is required for this phase of the review process and might therefore be more appropriately addressed through technical review comment submissions, or request information that, while it may be useful to parties, has been requested from the Proponent and may be provided only at its discretion. While it is the Board's expectation that the Proponent will review all IRs, at this time the NIRB has provided a listing of specific requests (see Appendix A) which the Proponent is not expected to address within its response to IRs (IR Response Package); these are being forwarded on for information only, or for which the nature and limits to provision of data may prevent the Proponent from responding fully.

The NIRB notes that a number of parties identified concerns with the overall quality of the Proponent's DEIS submission, including the organization of the document, the need for additional clarity and consistency throughout the DEIS, questions regarding the incorporation and use of Inuit Qaujimajatuqangit, various technical assessments requiring additional discussion, collection, or reinterpretation of baseline data, and timelines for when certain information may be expected. Where information requested cannot be made available at the present time through a response to IRs, the Proponent must clearly identify when this information will be forthcoming and/or whether it intends to include the information within its Final EIS submission.

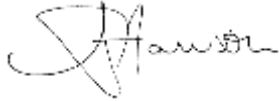
When preparing its IR Response package, the NIRB recommends that the Proponent consult with parties as necessary to ensure the information to be provided will meet the expectations of reviewers moving forward. Furthermore, where multiple IRs may request the same or similar information, the Proponent is advised to provide one response that will adequately address the requests, avoiding unnecessary duplication.

The Board respectfully requests that AEM review all submissions as available via the NIRB's online public registry and supply the NIRB with an indication of an anticipated date for submission of its IR Response Package, on or before **Thursday, June 27, 2013**.

Please direct all forthcoming submissions to the NIRB at [info@nirb.ca](mailto:info@nirb.ca) or by fax at (867) 983-2594.

If you have any questions or require further clarification regarding the next steps in the NIRB's Review of the Meliadine Project, please contact Kelli Gillard, Technical Advisor, at (867) 983-4619 or [kgillard@nirb.ca](mailto:kgillard@nirb.ca).

Sincerely,

A handwritten signature in black ink, appearing to read 'Amanda Hanson', with a stylized, cursive script.

Amanda Hanson  
Director, Technical Services  
Nunavut Impact Review Board

cc: Meliadine Distribution List

Attached: Appendix A: Information Requests Identified by the NIRB as Not Requiring a Response

**APPENDIX A:**  
**INFORMATION REQUESTS IDENTIFIED BY THE NIRB AS NOT REQUIRING A RESPONSE**

In the table below the NIRB has attempted to identify those Information Requests (IRs) which do not appear to meet the criteria to qualify as an IR required for the development of technical review comments as part of this stage of the Review for the Meliadine Gold project proposal. Generally, each of the following items appeared to be either: editorial comments on content; issues more appropriately addressed through technical review comments; requests for data to facilitate independent analysis; or it was unclear to the NIRB how the IR in question would facilitate development of technical review comments (e.g. comments on items outside of the scope of the NIRB's Review).

While the Proponent will not be explicitly required to address the following items within its IR Response Package, the NIRB strongly recommends that AEM thoroughly review each item and make its own determination regarding the need for or its ability to, provide an appropriate response.

IR number	Information Request	NIRB Rationale
<b>Kivalliq Inuit Association/Nunavut Tunngavik Inc.</b>		
KIA/NTI-1 (1)	1. The proponent should expand on the TEMMP, especially for caribou, detailing how monitoring links back to impact predictions.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-2 (1)	1. The proponent should provide more details on caribou-specific mitigation measures for when caribou engage in the Project area.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-3 (second part of request)	"Please generate climate change models for the near future (-2010-2040) and incorporate relevant predictions in to the water balance models."	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-5 (second part of request)	"This criteria should then be used to assess the significance of transient and permanent changes to surface water quantity and flow in the Meliadine Lake, the small watersheds and throughout the LSA."	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-6 (second part of request)	"The criteria should be used to determine the significance of changes to water and sediment quality resulting from Project activities. Conclusions can then be used to inform the water compensation agreement."	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-7 (second part of request)	"It is assumed that all samples were collected as grab samples based on waterbody depth (Table 7.4-13). If this is not the case, it should be clearly indicated in the methodology and, if feasible, incorporated into the summary figure."	Does not meet criteria for IRs – more appropriately addressed through technical review comments.

KIA/NTI-8	Please provide regional modeling outcomes for the near future (-2010-2041) for temperature and precipitation changes based on IPCC models. Also discuss how changes in temperature and precipitation has the potential to affect Project activities during all phases of the mine's life.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-9	Please extend water quality modeling past 2028 for APO1. This will provide confidence of conclusions when treatment of impacted waters will no longer be required. Also indicate treatment options for APOI discharges if water quality guidelines are not met at the end of pipe in the discussion of mitigation measures.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-11	"Please model sedimentation rates in all waterbodies at baseline, during mine life and in the post closure phase. This will allow AEM to mitigate any predicted changes to sedimentation rates that may affect sediment quality. It will also provide reviewers opportunity to assess any proposed mitigation measures."	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-12 (second part of request)	<p>“Also, please provide information on how climate change will affect the current culvert design. Discussion should include:</p> <ul style="list-style-type: none"> <li>• if the slowest local fish species will still be able to navigate the culvert (3 day delay; I: 10 year return flood condition), and</li> <li>• whether culvert design to accommodate a I :25 year flood event will still be sufficient to prevent changes to water and sediment quality from overtopping.”</li> </ul>	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-16	<p>"Please update baseline and effects assessment with reference to: Campbell, M.J., Nishi, and J. Boulanger. 2010. A calving Ground Photo survey of the Qamanirjuaq Migratory Barren-Ground Caribou (Rangifer tarandus groenlandicus) Population-June 2008. Technical Report Series 2010-No. 1-10. 129 pp.</p> <p>Cambell, M.W., J.G. Shaw, C.A. Blyth. 2012. Kivalliq Ecological Land Classification Map Atlas: A Wildlife Perspective. Government of Nunavut, Department of Environment. Technical Report Series #1-2012. 274 pp"</p>	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-17	"Please provide a description of the calibration and validation process used for the Calpuff model results and an analysis of model accuracy for dust deposition, using results from Ekati and Meadowbank projects and implications for Meliadine conclusions."	Does not meet criteria for IRs – more appropriately addressed through technical review comments.

KIA/NTI-19	Please provide a model of time series changes in TDS and CI in Meliadine Lake over the mine life using effluent volumes and concentrations modelled App. 7.4-B.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-20	Please provide a model of time series changes in TDS and CI in Meliadine Lake over the mine life using effluent volumes and concentrations modelled App. 7.4-B.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-22	Please provide modelling estimates of the under ice and open water response of oxygen to the discharge of treated effluent into Meliadine Lake, or a rationale for why this assessment is not considered necessary.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-23	Please provide an assessment of the feasibility of a dedicated storage area and the for overburden, and its use for site reclamation, or provide alternative sources of organic matter and soils for site reclamation.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-24	"Please provide an assessment of particulate enrichment of sediments or, conversely, representative monitoring data for aquatic sediments from within the mixing zone at other northern mines (e.g. Ekati. Diavik. Meadowbank, Lupin)."	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-26	Please provide an estimate of the percentage reductions in GHG emissions from the suggested BMPs and a commitment to develop an enhanced GHG reduction strategy as part of the project description.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-27	Please provide the raw data and results for the 2012 fish and fish habitat sampling program.	Provision of raw data is at the discretion of the Proponent
KIA/NTI-29	The results, pathway analysis, and effects assessment should include a discussion on the use, suitability, and limitations of the data collected. When comparing data collected the number of sampling events should be clearly presented, as the years the data was collected.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-32	1. Can sections 9.3.1.6.2 and 9.3.1 be linked to allow for more efficient review of the data. 2. Can all these information be referenced for easier flow of the report and less duplication of information.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KIA/NTI-33	1. Please provide all information related to the capacity of the schools in each community	Does not meet criteria for IRs – more appropriately addressed through technical review comments.

KIA/NTI-37	1. Effects analysis should include community infrastructure components and Public Services that are not included in the present baseline.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
<b>Kangiqliniq Hunters and Trappers Organization</b>		
KHTO-1	AEM to translate into Inuktitut a more substantive portion of the final EIS, especially in relation to the issues of particular interest to the KHTO: caribou and caribou habitat, and effluent discharge to Meliadine Lake.	Does not meet criteria for IRs – request forwarded for consideration.
KHTO-3	AEM to address the longer-term integrity of the reclaimed TSF considering the potential deepening of the active layer, as well as how the raising of dikes and additional tailings associated with an extended mine lifespan might affect the advance of permafrost through the TSF.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KHTO-5	"AEM to truly consult with the KHTO before determining that certain measures will be established in consultation with it - such as the limitation of vehicle access and the establishment of a no-shooting zone."	Does not meet criteria for IRs – request forwarded for consideration.
KHTO-6	AEM to more adequately consult the KHTO on matters related to wildlife harvesting.	Does not meet criteria for IRs – request forwarded for consideration.
KHTO-7	AEM to provide a clearer, more transparent account of the extent to which Inuit observations, knowledge, ways of doing and seeing things, and understanding of wildlife and environment have played a meaningful role in its decision-making.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
KHTO-8	AEM to approach the KHTO in order to validate the delineation of caribou post-calving range and migratory patterns within the Project's Caribou Study Area.	Does not meet criteria for IRs – request forwarded for consideration.
KHTO-10	AEM to take drinking water/ice locations used by community members into consideration in its study of surface water quality.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
<b>Government of Nunavut</b>		
GN-1	Regional Study Area for cultural and archaeological resources was the project lease area plus a seven (7) km buffer. The rationale for the buffer was to ensure that the Iqaluqaarjuup Nunanga Territorial Park was included in the regional study area. The Meliadine River within the park is a location of high potential for archaeology.	Does not meet criteria for IRs – no specific request for information is apparent

GN-3	Exploring possible mitigation measures for temporary/final closure under several likely scenarios is an essential component of project planning that is valuable from a business perspective, and a socio-economic one.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
GN-4	It is requested that the Proponent provide a more a detailed description of their proposed socio- economic impact assessment to be initiated in advance of Project closure. This could include but not limited to: <ul style="list-style-type: none"> <li>• Criteria for the trigger of temporary/final closure planning</li> <li>• Approximate commencement date and update intervals</li> <li>• Which indicators would be used</li> <li>• How will the data be collected</li> <li>• How can this data be used by other regional organizations</li> <li>• Etc.</li> </ul>	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
GN-5 (second part of request)	“On one hand, we are told that ending construction at Meadowbank caused the Nunavut GDP to shrink. On the other hand, we read that on the year construction ends at Meliadine, growth is to reach a peak at 28.7%. How could these two statements be reconciled? We all wish to avoid confusion in the reviewers’ minds. In the event that the incongruities stated above were to be explained by a deficient model definition, may we suggest that a better-suited econometric instrument replace it? As it stands, the numbers introduced simply do not match the reality experienced at Meadowbank, nor do they compare in any measure with the normal logic applied to percentage change of growth.”	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
GN-8 (3 &5)	3.The use of the word “could” may be misconstrued as non-committal. If this cannot be re- worded as a commitment, please note the conditions required for you to take this approach (IIBA negotiations, for example)  5. AEM will provide cultural sensitivity and cross cultural awareness training to Project personnel (all employees). This will “facilitate the integration of Inuit employees into the workforce”	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
GN-10	Department of Education is wondering if considerations have been made in addressing how funding and collaboration efforts will be maintained beyond KMTS if funding is no longer available or provided for by the Federal Government over the lifecycle of the Project. Also, please consider the impact on Department of Family Services and other adult training partners after KMTS ends.	Does not meet criteria for IRs – request forwarded for consideration.



GN-11	However, the 20% Inuit employment at Meadowbank currently is an indication that comparing overall labour force numbers to job vacancies is meaningless for actual employment of Inuit and local hires. This statement should be clarified and preferably replaced by an analysis that is more meaningful for actual and potential employment of Inuit and others from the local communities.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
GN-13 (second half of the request)	As well as locating a monitoring station closer to the park for more accuracy in monitoring noise in the park.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
GN-14 (2)	2) The paragraph below from volume 1 does not have proper wording as it refers to government revenues as the Projects revenues.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
GN-15	The provided statistics are accurate and complete and there are no issues with them. It is worth noting, if needed, we now have 2012 statistics available if they are required. They show a regular pattern of growth in each area noted in the Agnico-Eagle report and are available on the website <a href="http://www.stats.gov.nu.ca/en/home.aspx">http://www.stats.gov.nu.ca/en/home.aspx</a> if needed.	Does not meet criteria for IRs – request forwarded for consideration.
GN-16	NHC requests that the Proponent, based on the predicted income levels to be provided and the costs of housing, offer an assessment of the ability for employees to move into, or purchase private housing in their respective communities. NHC notes that experience with Meadowbank indicates that improved financial situation for Meadowbank employees did not allow them to enter the private housing market, even when they saved most of what they earned. The communities lacked affordable alternatives to public housing.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
GN-17	NHC notes that since the writing of the DEIS, NHC has announced its changes the Public Housing Rent Scale system. NHC request that the Proponents research the new changes to ensure that they have a thorough understanding of the new system in advance of their “work readiness” training, or “personal financial management” training for employees.	Does not meet criteria for IRs – request forwarded for consideration.
GN-18	These two statements are contradictory. NHC requests that the Proponent reassess the housing situation in Chesterfield Inlet to produce a clear picture of the housing situation in this and other communities in the Kivalliq region.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.

GN-19	NHC appreciates AEM's breakdown of perceived migration into Rankin Inlet. NHC requests that this data be compared to the income rates associated with these in-migration numbers, and the Proponent's knowledge of the waiting list numbers for public housing, to assess what portion of the in-migrating population will be dependent on public housing.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
GN-20	NHC requests that these same predictions be made for other communities in the Kivalliq region, even if the prediction represents "out -migration"	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
GN-21	The DEIS does not present a review of "best practices" by mining and other companies that have addressed employee housing issues as part of their workforce management, or corporate ethical obligation to their employees and communities. NHC requests that the Proponent assess the benefits, on both the project and the community, of providing staff housing options for its employees.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
GN-22 (b & d)	b) Is AEM currently expecting other Kivalliq employers to publish research on the linkages between increased income and drug and alcohol consumption?  d) What role does AEM anticipate the Government of Nunavut will play in filling this research gap?	Do not meet criteria for IRs – information requested is not within the scope of the NIRB's Review.
GN-29 (a)	a) Can AEM provide examples of how and when they have provided cross-cultural awareness training to their Meadowbank employees?	Do not meet criteria for IRs – more appropriately addressed through technical review comments.
GN-31 (b)	b) AEM confirms whether it has provided these services to its Meadowbank employees and employees' families.	Do not meet criteria for IRs – more appropriately addressed through technical review comments.
<b>Government of Nunavut-Community and Government Services</b>		
GN-CGS-1	Agnico-Eagle Mines Ltd. should keep the municipalities and the GN well informed in order that they can plan for any increase demand for services and vacant lots.	Does not meet criteria for IRs – request forwarded for consideration.
GN-CGS-2	A review and update of the Rankin Inlet Community Plan will begin later in 2013 and be completed in 2014. Agnico-Eagle Mines Ltd. should participate in the public, council and workshops associated with the development of this plan.	Does not meet criteria for IRs – request forwarded for consideration.

GN-CGS-3	Agnico-Eagle Mines Ltd. should release to the GN and the Hamlet any geospatial data with regard to the proposed works in Rankin Inlet (e.g. fuel tank farm, bypass, laydown area, spud barge) for incorporation into the Community Plan.	Provision of raw data is at the discretion of the Proponent
GN-CGS-7	Hunting Shelters: Leaving environmentally benign and sturdy buildings in-tact permanently after the Closure phase, to allow continued use of them as a shelter for hunters and others passing through the region	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
GN-CGS-8	Historical record: Leaving environmentally benign portions of the site described by didactic panels and guide posts, to document the existence of the mine for current and future generations as a historical record of the uses and resources in the land.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
<b>Government of Canada - Aboriginal Affairs and Northern Development Canada</b>		
AANDC-1	AANDC requests that the proponent prepare and provide in the Final EIS a detailed statement or section on monitoring that includes a general discussion on what compliance monitoring should be conducted as it pertains to the project and an overall strategy for a monitoring program (even if conceptual) including; VEC/VSECs, sample parameterselection, regulatory guidelines, location selection, monitoringfrequency, performance standards, reporting, and adaptive management.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-11	AANDC requests that the proponent consolidate the monitoring commitments related to mine waste management into one monitoring section and include a timeline for which details of the monitoring plan will be developed.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-13	AANDC requests an explanation of the potential environmental effects from the tailings thawing after mine closure in the currently proposed tailings facility design and whether the closure concept should be modified.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-16	AANDC requests clarification regarding the contribution of aluminosilicates to the neutralization and acid generating potential of the Discovery deposit and whether mitigative measures for the storage of waste rock from this deposit are required.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-17	AANDC requests further information describing the ore pad and the benefits and limitations of viewing this as an analog for future waste rock storage.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.

AANDC-20 (b)	AANDC requests b. Confirmation that the total freezing of the waste rock would occur in a potentially warmer environment resulting from climate change. If it cannot be demonstrated that total freezing of waste materials can be assured, please provide an assessment of alternative methods of waste material storage.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-32 (b)	b. AANDC also requests assessment of berm stability in instances of both a frozen core and an unfrozen active layer.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-33	AANDC requests the results of geothermal analyses for freezing and recurrent deposition of tailings using rates specified in the mine plan under actual (or close to actual) conditions.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-34 (second half of a)	a...Position of the cutoff trench should be determined based on results of geothermal modeling.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-34 (b)	b. Assessment of slope stability for the dike with frozen core and unfrozen active layer.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-40	AANDC requests that the Landfill and Waste Management Plan include a timetable for the landfill for its construction, commissioning (for use), closure, reopening (if necessary), expansion and permanent closure in relation to mine operations.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-41	AANDC requests a summary of the planned compliance and/or follow-up and/or environmental effects monitoring programs at the close of each relevant VEC/VSEC summary. If none are applicable, that should be stated. The listing of monitoring programs under development should be restated in Monitoring section of Vol. 1. This information can be incorporated into the Final EIS.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-43	AANDC requests that a Table of Contents for the Environmental Protection Plan be included in Section 1.3.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-44	AANDC requests that information on the regulatory regime associated with TEMMP development in Nunavut be provided in the EIS. This information should include description on how data from the Project and existing mining operations is standardized to measure cumulative effects.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.

AANDC-46	AANDC requests: a. Studies with respect to surface water effects from road widening be included in the FEIS; and b. Discussion of mitigation measures and impacts if AWAR construction should take place outside of winter months.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-47	AANDC requests that the proponent evaluate the project's residual effects on groundwater, as per NIRB Guidelines Section 8.1.7 and 7.6.1.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-52 (second part of request)	"...And text are updated as required."	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-54	AANDC requests that the Proponent provide additional information on the methodology used to consult potentially affected communities, especially regarding: (1) the number of TK focus group participants in the communities of Chesterfield Inlet, Rankin Inlet and Whale Cove in 2010 and 2011; and (2) who attended public Open House Sessions and generally who made comments at these events while respecting confidentiality agreements.	Provision of raw data is at the discretion of the Proponent
AANDC-55	AANDC requests that the Proponent provide appropriate cross-referencing to relevant sections of the study throughout Vol. 3, SD 3-1.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-57	AANDC requests additional information regarding interactions between local residents and nonresidents in the Population Demographics section of Volume 9.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-58	AANDC requests that the Proponent includes information on how the impacts on marine mammals will affect socio-economic components in Volume 9.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-60	AANDC requests that the Proponent provide an Education and Orientation Plan including cultural and financial management training in accordance with the guidelines.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
AANDC-65	AANDC requests that the Proponent provide RSA level information on human mental and physical health and well-being resulting from potential indirect impacts of the Project.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.

AANDC-66	AANDC requests that the Proponent provide the impact assessment for public health and environmental health needs.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
<b>Government of Canada-Environment Canada</b>		
EC-92	EC requests that the Proponent reclassify all materials that have neutralizing potential ratio (NPR) equal to 2 as uncertain PAG instead of non-PAG.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
EC-97	EC requests that the Proponent undertake an assessment of alternatives for the disposal of waste rock and overburden, and for the use of natural, fish-frequented water bodies for the management of contact water. A detailed letter from EC on this will follow at a later date.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
EC-98	EC requests that the Proponent provide a comparison of the leachate concentrations of various parameters in the mine waste samples to the corresponding CCME guidelines.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
EC-101	EC requests that the Proponent expand the environmental, technical, socio-economic and economic accounts to include more relevant sub-accounts and indicators with appropriate provisions for weightings and indicator/sub-indicator values to determine the merit ratings.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
EC-102	EC requests that the Proponent assess the potential impacts of each alternative on water quality in adjacent and downstream water bodies.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
EC-104	EC requests that the Proponent assess the alternatives with respect to their potential effects on terrestrial animals, particularly caribou.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
EC-105 (first bullet in the list)	“EC requests that the Proponent expand the scope of this indicator or include an additional indicator, to address ground conditions within the active layer of permafrost.”	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
EC-112	EC requests that the Proponent consider the variability in the subsurface as an indicator for the subaccount.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.

EC-113	EC requests that the Proponent include quantitative estimates of costs for each of the alternatives assessed in detailed. Cost information required for each alternatives includes estimates of: ·capital costs; ·operating costs; ·closure costs; ·long term monitoring and maintenance costs; and ·fish habitat compensation costs.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
EC-114	EC requests that the Proponent update the surface water quality model to include total metals concentrations, as well as dissolved metals concentrations.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
EC-118 (first part of request)	“EC requests that the Proponent provide predictions for the closed pit water quality using total phosphorous rather than total dissolved phosphorous.”	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
EC-123	EC request that the Proponent consider the development of site specific water quality objectives (SSWQOs) for the identified COPC where appropriate (e.g. Tiriganiaq Pit Lake).	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
EC-125	EC requests that the Proponent include a discussion of the key marine habitat sites that are near the proposed shipping route in Section 8.3.2.2.1.5 and how potential spills, chronic ship-based pollution and cumulative disturbance to migratory birds and their habitat from vessels will be mitigated at these sites.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
EC-127	EC requests that all references to species at risk are updated in order to ensure that all species status under SARA are reflected accurately throughout the DEIS. For example, Polar Bear, Peregrine Falcon, Red Knot (rufa and islandica subspecies), Short-eared Owl are all now listed on Schedule 1 of SARA.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
EC-130	EC requests that the Proponent propose a plan for dealing with migratory birds if they are found using the attenuation ponds.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
EC-131	EC requests that the Proponent propose mitigation measures to avoid destruction of migratory bird nests caused by erosion of banks of waterbodies or streams.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
EC-132	EC requests that the Proponent share the data collected on migratory birds using the PRISM.	Provision of raw data is at the discretion of the Proponent

EC-133	EC requests that the Proponent provide an assessment of the Project's GHG contributions to Nunavut and a comparison of the Project GHG emissions to other existing and proposed northern mines.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
EC-137	EC requests that the Proponent provide all input and control files used in the CALPUFF model and post processing utilities to generate the air quality predictions presented in the DEIS. All files should be in a format that can be used directly into CALPUFF. Please include all output files in the raw CALPUFF format.	Provision of raw data is at the discretion of the Proponent
<b>Government of Canada-Fisheries and Oceans Canada</b>		
DFO-67	Please reword to make more clear.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
DFO-72	Please put “per watershed” after “lakes and ponds”.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
DFO-73	Please put into proper context.	Does not meet criteria for IRs – no specific request for information is apparent
DFO-74	The limitations and the purpose of these types of data could be presented, to avoid false expectations.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
DFO-75	Please include the mixing zone into the overall impacts to fish habitat.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
DFO-76	Please follow the DFO fish out protocol and indicate in the EIS.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
DFO-77	Please follow the 50kPa recommendation that has been used for northern projects for several years.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
DFO-79	Please revise.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.



DFO-80	Please change.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
DFO-81	Please follow the 50kPa recommendation that has been used for northern projects for several years.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
DFO-82	Please stick to the definitions of duration used (and defined) throughout the rest of the EIS.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
DFO-83	Please correct.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
DFO-85	Please include more reference lakes that are characteristics of the waterbodies that may be impacted by the project.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
DFO-86	Please use available information on closely related species.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
DFO-87	Please incorporate pit lake enhancement into the NNL plan.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
<b>Government of Canada-Natural Resources Canada</b>		
NRCan-142 (last three bullets)	<p>The conceptual model should incorporate the essential features or variables of the numerical groundwater model that may have a bearing on model results.</p> <p>“<input type="checkbox"/> Please redraft figure 7.2-B-5 demonstrating the conceptual flow pattern during mining based on the figure requested above and ensuring that drawdown extends beyond the higher elevation lake.</p> <p><input type="checkbox"/> Please attempt to validate the conceptual model. Although data are sparse, current data should be examined to see if they are consistent with the conceptual model and its predictions. This could include evaluating hydraulic heads and gradients (as discussed in IR#1) in the context of the regional lake levels and inferred flow directions, and noting any chemical or physical evidence of subpermafrost.”</p>	Does not meet criteria for IRs – more appropriately addressed through technical review comments.

NRCan-143	<p>Request: Please develop a new graphic of the conceptual model. Figure 7.2-2 is informative and should be retained. However, a more complete schematic of the conceptual model that better integrates the information that is known or inferred about the geology, permafrost depths, basal cryopeg, groundwater quality/density and the subpermafrost groundwater flow system should be included. For example, the hydrostratigraphy (including faults) of the area should be included as well as proportional arrows giving the reader an idea of the relative importance of various flowpaths.</p> <p>Changes in groundwater quality/density with depth could be indicated schematically. A good conceptual model may offer some predictive value (e.g. potential differences in water chemistry with depth in recharge vs. discharge areas). The conceptual model should incorporate the essential features or variables of the numerical groundwater model that may have a bearing on model results. Please redraft figure 7.2-B-5 demonstrating the conceptual flow pattern during mining based on the figure requested above and ensuring that drawdown extends beyond the higher elevation lake. Please attempt to validate the conceptual model. Although data are sparse, current data should be examined to see if they are consistent with the conceptual model and its predictions. This could include evaluating hydraulic heads and gradients (as discussed in IR#1) in the context of the regional lake levels and inferred flow directions, and noting any chemical or physical evidence of subpermafrost discharge to the surface.</p>	Does not meet criteria for IRs – request forwarded for consideration, more appropriately addressed through technical review comments.
NRCan-144	<p>Request:</p> <ul style="list-style-type: none"> <li>· Please calculate vertical hydraulic gradients and groundwater fluxes with consideration of variable density groundwater (Post et al., 2007). These should be compared with fluxes calculated assuming a freshwater density to test the validity of the assumption of a constant freshwater density for the hydrogeological modelling. Similar calculations may be warranted for brines stored in the TSF to determine whether density effects may significantly affect vertical flow.</li> <li>· Please provide a longer and more complete description and interpretation of the “driving force ratios” (Appendix 7.2-B).</li> </ul>	Does not meet criteria for IRs – more appropriately addressed through technical review comments.

NRCan-145	<p>Request:</p> <ul style="list-style-type: none"> <li>· Please recalculate the range of possible groundwater inflow to the underground Tiriganiaq mine by expanding the sensitivity analysis to include a reasonable range of hydraulic conductivity for the “competent bedrock”. The range of hydraulic conductivities could be guided by IR#2.</li> <li>· Please clarify the disposal options for the brine from the underground mine water (after desalinization). Discuss and assess potential impacts of the suggested disposal option(s).</li> </ul>	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
NRCan-147 ( 3 <sup>rd</sup> & 5 <sup>th</sup> bullet)	<p>Request:</p> <ul style="list-style-type: none"> <li>· Please discuss whether expanding the sensitivity analysis (considering the reasonable ranges of values for hydraulic conductivity, specific storage and effective porosity) could have any significant effect on model results and their potential effects on mine operations or on the environment.</li> <li>· Please provide a more detailed description of model results with respect to the flowpaths, groundwater velocities and travel times of water originating from the TSF (including figures).</li> </ul>	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
<b>Government of Canada-Transport Canada</b>		
TC-149 (4 <sup>th</sup> bullet)	<p>The Proponent is requested to provide following information:</p> <p>Reference to National and Regional Canadian Coast Guard oil spill contingency plans.</p>	Does not meet criteria for IRs – no specific request for information is apparent
TC-149 ( bullets on page 72 of Government of Canada’s submission)	<p>The Proponent must ensure that the requirements of the CSA 2001 Part 8 and the relevant regulations and standards outlined below can be met prior to commencing this Project and throughout its life:</p> <ul style="list-style-type: none"> <li>· Response Organization and Oil Handling Facility Regulations</li> <li>· Vessel Pollution and Dangerous Chemicals Regulations</li> <li>· Environmental Response Arrangement Regulations</li> <li>· Oil Handling Facilities Standards (TP 12402)</li> <li>· Release and Environmental Emergency Notification Regulations</li> <li>· Response Organization Standards (TP 12401)</li> <li>· Guidelines for Reporting Incidents Involving Dangerous Goods and Harmful Substances and/or Marine Pollutants</li> </ul> <p>Transport Canada will periodically contact the Proponent to arrange for the inspection of the OHF and to monitor compliance with the provisions of CSA 2001 168(1)(b)(c)(d)(e) and (3)(a)(b) and other applicable legislation.</p>	Does not meet criteria for IRs – more appropriately addressed through technical review comments.

TC-151	"TCMSS requests that Proponent makes changes to the submitted DEIS to better reflect TCMSS roles and responsibilities and the Acts and Regulations that will be applicable to the marine shipping component of the project."	Does not meet criteria for IRs – more appropriately addressed through technical review comments.
TC-153	The Proponent should add the Marine Liability Act (MLA) and regulations to Table 1-3.	Does not meet criteria for IRs – more appropriately addressed through technical review comments.