Table G-1: Record of Technical Comments and Commitments from NWB Meliadine Extension Process Relevant to Application - Ongoing

	Table G-1: Record of	Technical Comments and Commitments from NWB Meliadine Extension Process Relevant to Application -	Ongoing					Charters of
Party	ID Subject	Concern	Technical Comment / Recommendation (31-Aug-23)	Agnico Eagle Responses (18-Sep-23)	Agnico Eagle Additional Responses (date vary as outline below)	Status of Technical Comment (as of 28-Nov-23)	Commitments (as of 28-Nov-23)	Interaction with Intervenor (as of 28- Nov-23)
ECCC	ECCC- Meliadine Lake TRC-01 Water Balance		Proponent should explain how lake levels were modelled without incorporating the effects of water withdrawals by	Mediadine Jake Iveels were modeled in the 2014 FEIS. The annual withdrawal volume from Mediadine Lake for pilling as set in the 2014 FEIS was 1.260,000 on/Sylevar and his volume constitutes. 14% of the total Mediadine Lake volume. For the Mediadine Extension the water withdrawal rates are 1.116,112 m3/year (see Table 2.3-2 from the Main Application Document), which is below the upper bound. Therefore, mine impacts on lake levels have been considered and assessed. The previously presented impact assessment remains relevant with respect to potential impacts to Meliadine Lake water levels.	Not applicable.	Unresolved	Agnice Sagle directly emailed the Water Balance Section of the 2014 FES to ECCC on October 12, 2023. It is advanted aged this followmatch has been goodlickly evailable since 2014 and was reviewed by ECCC previously as part of the NIBB Melladine Application process, which resulted in approval and issuance of a Project Certificate). ECCC reviewed the information provided. Additional questions were raised by ECCC. Agnice Sagle commits to meet with ECCC Hydrology and identify a path forward prior to the Public Hearing.	Ongoing
ECCC	ECCC- TRC-03 Quality Model results	Results from the W8WQM include parameter concentrations for water in the different mine components, which can be used to inform water management strategies. The W8WQM and its updater report that certain water quality parameters will exceed water quality guidelines for certain plass and lakes during post-closure. For example, Section 4.3 [Vost Closure) of the Update predicts post-closure concentrations above applicable guidelines in for certain mile related parameters of potential concern [VDPCs]. These includes arranted as 5% copper and selemina at CVP, ammonia at PUMPIO, copper at W5GM and selemina at CVP, ammonia at PUMPIO, copper at W5GM and selemina at TIN pl talks. Further updates to the V8WQM are planned during closure once more data is available from mine operations to confirm if the modelled exceedances still used likely to occur. However, the proposed tensifies for these updates to the model would not allow for management actions to be implemented to avoid exceedances should they still be predicted to occur.	EECC recommends that the Proponent: - discuss possible management actions for POPCs that the WBWQM and updates have predicted to exceed guidelines; and - propose timelines for further updates to the WBWQM that would allow sufficient time for those management actions to be put in place.	Responses bullet 1) and 2) The reviewer was noting the post-closure period, Agnico Eagle will be operating for another 20 years which provides operational data to validate assumptions and will be used to update water quality predictions for final closure. The Meliadine Mine water balance and water quality forecast is calibrated annually to ultimately inform ongoing operations and eventual closure. This annual update is required per Water Licence condition Part E, Item 13. There is sufficient time prior to closure to allow for management actions to be implemented to avoid accredances should they be predicted to occur. Further, Water Licence condition Part E, Item 11 also requires an update of the Water Management Plan and water balance and water quality forecast prior to closure, which would also address management actions to be implemented, should they be required.	Response provided October 18, 2023: Agnico Egie regularly collects monitoring data across the Meliadine Mine site and analyzes those data to determine if mitigation or other actions are required. This should address ECCC s concern about current practices to monitor and address issues as they arise. The current water licence requires the following. With respect to site-wide TDS instigations, Schedule B, item 8 of the Licence (page 36) requires the annual report include the following: a. Discussion on the behavior of the Total Disclowed Solids (TDQ) connectrations in surface Contact Wider reporting to CPJ during the reported year, and, if any TDS contents as the second of the behavior of the Total Disclowed Solids (TDQ) connectrations in surface Contact Wider reporting to CPJ during the reported year, and, if any TDS contents as the second as a second 3.1 as first invalid in the 2022 annihilation of potential sources that might have contributed to higher loads of TDS. With respect to identifying chemical parameters of concern Part E, Item 33 (page 48) requires the following: 31. The Licenses shall, at a minimum of once every year following commencement of Operations, submit to the Board for review an updated Water Balance and Water Quality Forcest. This update shall include all monitoring parameters and shall identify which Mean Annual Concentrations even within 10% of the respective maximum submorted Monthly Mean Concentrations for regulated parameters in the current reporting year shall be compared to those reported in the previous year, and if the respective concentrations are increased by more than 20%, a detailed technical assessment the dentifying specific sources of loadings and the proposed parameter forecasts shall be provided to the Board for review. This was satisfied in section 3.2.4.3 of the 2022 Annual Report.	Partially Resolved	Agnico Eagle directly emailed the Adaptive Management Plan, Ammonia Management Plan, and the Interim Closure and Reclamation Plan to ECCC on October 13, 2023. It is acknowledged this information was provided to the Web in January 2023 as part of the Melladine Extension Amendment Application, Agnico Eagle has provided the requested information to Invironment and Climate Change Canada on October 18, 2023, and discussed the Technical Review Comment at a meeting on October 30, 2023. Agnico Eagle and ECCC commit to work together to resolve this Technical Comment prior to the Public Hearing.	Ongoing
ECCC	ECC. TRC-04 Quality Model uncertainty		ECCC recommends that the Proponent evaluate the uncertainty of the WBWOM to provide an understanding of the range of possible results and how this may impact the planned mine water management.		Response provided October 15, 2023: It is Agrico Eagle's position that a standard calibration/validation split exercise would not be particularly useful in this context. This exercise would involve calibrating to a subset of the measured data (3-) spars in this case), and then validating the model against the remainder of the measured data. This is an appropriate approach for a system where the primary inputs remain static, however, a mine site is constantly evolving as mining progresses, and water management adapts to the current conditions. Under these conditions, the calibration/validation approach is less useful, as multiple model assumptions related to activitume areas and water management require continuous updating to reflect mine operations. With respect to the aggiestor that model inputs be varied within a set range to better understand the variability in potential outcomes, Agrico Eagle's position is that that main drivers of uncertainty are already west understood for the Meliadine Mine. Uncertainty in the WBROM and resultant outputs could result from variability or errors in the following inputs and assumptions: **Climate inputs, *Oerwed source terms, *Model calibration (i.e., equifinality); *Sub-catchment area delineation; and *Assumptions regarding mine water management (good operating relies and volume-elevation-area curves, pump rates). **Multiple steps have been taken to reduce potential model uncertainty in the Meliadine WBROM predictions, including extensive geochemical test work, model calibration to measured port volumes, effluent discharge rates and collection pond chemistry, and use of a variable climate inputs series, among others. These were presented in: **The Meliadine Extension FEIS Addendum NIRB submission (Lorax 2022): Appendix H-07_Water Balance Water Quality Model. **The Meliadine Extension FEIS Addendum NIRB submission (Lorax 2023): Appendix H-07_Water Balance and Water Quality Forecast). Steps taken to reduce uncertainty as summarated below. **Climate inputs** **The Melia	Partially Resolved	Agrico Eggle to provide additional information (summary of main uncertainty & certainty dirivers). Environment and Climate Change Canada will review the information and meet with Agrico Eggle in efforts to resolve. Environment and Climate Change Canada was provided with the requested information on October 25, 2023. Agrico Eggle and ECCC commit to work together to resolve this Technical Comment prior to the Public Hearing.	Ongoing
Eccc	in Aquatic Effect Monitoring	ct environments where potential effects are possible, as well as including reference sites that are not expected to be impacted by the mine. The ARMP Program Design has been updated for the Meliadine Extension project; however, the extension project has generally not been integrated into the Design Plan. Some examples of these oversights include: - Section 2.1 Sile Description: Though the extension project has operations issting until 2043, the site description states, "the Mine will be operational through 2027, followed by 10 years of closure activities to 2037 (Agnico Eagle, 2020): - Section 2.1 Siles Rock and Taillings Management: Though voks at the future Discovery pit Costion have predominantly tested	ECCC recommends the Proponent integrate the Meliadine Extension project into the AEMP including referencing the FEIS addendum, its findings and results.	Agriko Eagle agrees with ECCC that the AEMP will need to be updated; however, we are of the opinion that the AEMP should be updated in future terations, following the Water Licence Amendment approval. Given the dynamics of mining, the sequencing of activities may change. Therefore, when a Meliadine Extension mining activity is triggered, the AEMP will be updated accordingly based on the site activities at that time. This can be updated through the Water Licence Annual Reporting process.	Source Terms The relative contribution of the various POPC sources was quantified to highlight the mine components with the highest inpact on predicted concentrations in the two primary collections points; 95% for sailine water reporting from the underground mining operations, and CP1 for surface contact water. Loads (Rg/year) are presented below because this integrates both the discharge and concentration components for each mine feature. All loading sources from all upstream collections using and ponds, open pits, and dewatered lakes are included in this analysis, therefore the values presented below represent the total POPC loadings generated by the Meliadine Extension. This was done for the three key POPCs requiring management during the Operations phase. To implify the analysis, total loads for arenic, ammonia and TDS were aggregated for each pond on an annual basis, and the warges for the mid-Extension period of 2032 2033 are presented below. This period was selected as it represents the maximum mine disturbance area, high predicted rates of groundwater inflow to the underground mines, and the highest predicted effluent incharges to both this althorius and Meliadine Lake. The majority of POPC loads in 5% are of underground provenance, with 77% of all arenic, 73% of ammonia and 88% of TDS derived from the groundwater inflows to the underground mines (Figure 1). The excondance your agreement is the 15% (14%), and the WMSTs contributed the second highest loads of ammonia (15%) and TDS (15%), with an additional 8% of ammonia loads reporting from the 15%, and 5% of TDS reporting from non-contact (Background) and disturbed area (15%, Facilities) (20%), and the WMSTs (23%) and the TSF (29%, Figure 2). For ammonia, the spit in CP1, a senic load contributions are approximately equal between Background (20%), Facilities (25%), with 3 and disturbed area (15%, Facilities) (25%), WMSTs (35%) and the TSF (20%), The majority of TDS loads in CP1 are derived from numbra and particular to the WMSTs (37%) and facilities	Resolved by commitment	Agnico Eagle to integrate updates into a revised AEMP Design Plan which will be submitted within 60 days of Water Licence Amendment Issuance, for example: *including details of the Meliadine Extension *including references to the Meliadine Extension FEIS Addendum	Complete
		as potentially acid generating (PAG) or metal teaching (Not) or uncertain with respect to PAG/ML, the text sizes, "wester exids is not expected to contribute to to buyl conditions or elevated metals concentrations to surface contact water that is eventually collected, treated and discharged to Melladine Labe." I may not place where the FEB is referenced, there is no mention of the FEB addendum. New monitoring locations for the Peninsula Lakes will be necessary as two of the three sampled Peninsula Lakes will be necessary as two of the three sampled Peninsula Lakes will be ewatered. This is acknowledged in Section 4.3.1 (Background), but no alternative monitoring station locations have been proposed. **Water modelling for the FEB addendum in the WBWQM and its update did not present predicted water quality for any of the AEPM monitoring stations so the would not be possible to compare measured concentrations against predictions, as recommended in Sections 4.164MP Study Design, 6.1.1 (Dojectives), 6.1.4 (Data Analysis and interpretation) and Table 8.1 (Examples of Action Levels and Responses). **Section 6.2 Biological Monitoring in the Peninsula Lakes concludes, "Biological studies will be included in future monitoring cycles if results of the water quality program indicate that the small lakes on the peninsula may be affected by mining activities." This does not account for a conclusion of the AEPM 202 Annual Report Plain Language Summany "Water quality in Lake B' and Lake AB has changed significantly for some parameters during operations. Sulfate and arsenic are the two parameters where the timing and magnitude of the change point to the mine as the underlying cause."						

Table G-1: Record of Technical Comments and Commitments from NWB Meliadine Extension Process Relevant to Application - Ongoing

Table G-1: Record o	Technical Comments and Commitments from NWB Meliadine Extension Process Relevant to Application	Ongoing					Status of
Party ID Subject	Concern	Technical Comment / Recommendation (31-Aug-23)	Agnico Eagle Responses (18-Sep-23)	Agnico Eagle Additional Responses (date vary as outline below)	Status of Technical Comment (as of 28-Nov-23)	Commitments (as of 28-Nov-23)	Interaction with Intervenor (as of 28- Nov-23)
ECCC ECCC Aquatic Effect TRC-08 Monitoring Program reference area	Reference areas monitored through the AEMP help identify local changes to the aquatic environment due to weather and other factors that are not related to the mine. For example, if changes to water quality were measured at nex field sites but similar changes were noted in the reference areas, it might be possible to establish that the near field changes were not mine related. It is therefore critical to have reference areas beyond the geographical reach of the mine's influence. 17 yically reference areas are located in different watersheds or upstream of the near field and mid field sites. In the AEMP Design Plan, the three reference areas water are all in Meladinet lake. Two are downstream, located at the labe outflows. The third is in a bay that is not likely in a flow path potentially affected by discharges to Meliadine Lake. Section 4.2.2 (Study Areas) explains the choice of reference areas. "Nearby reference lakels) with similar morphology, fish assemblage, and accessibility that meets health and safety needs, were not identified during the baseline period when data was collected to support FEIS." Total disolveds viols(150) sloading to Meladinet Lake Will continue for longer than predicted installay and the principal components of TOS are conservative and will accumulate in the lake to an extent. Although Meladinet Lake is used to support FEIS." The AEMP 2022 Annual Report reference staft afrom inugusgrayalit kake and Pipedrama Lake, more than 250km away, to try to demonstrate regional trends. There are several confounding factors affecting the comparison including different ecoregions, geology and relative distance from Mulson's Bay. A closure reference site that is not downstream from the mine would provide more confidence in comparison results. Since no nearby takes were destribled that were suitable for all components of the AEMP, consideration should be given to using different lakes for water chemistry and biological studies. This has already been initiated as Section 4.2.2 states, "External refe	remain suitable reference areas over a prolonged period with the mine Extension. Consideration should be given to alternate reference areas and/or modifications to the study design.	The AEMP design plan for Melladine Mine was developed through recommendations, conditions, and commitments outlined in the NiR8 decision report (NiR8) add) which are summarized in Table 1-1 from the Version 1 plan (Golder 2016). In addition, the plan was designed through input from regulators (ECCC and CIRNAC) and the Prison 2 study plan solution with the water (leence amendment application (Appendix FO3) provided the rationale for in-lake reference areas. For context distances between the diffuser and the three references areas are as follows: *Reference Area 1 - 15 km *Reference Area 2 - 19 km *Reference Area 2 - 19 km *Reference Area 2 - 19 km *Reference Area 3 - 21 km *Reference Ar	below, it is relatively straightforward to identify suitable reference lakes/areas for monitoring water quality, sediment quality, and lower trophic level communities. Finding suitable external reference lakes to monitor the health of the fish population was more complicated because of differences in the semblage of the small-bodied fish community in whether the set is not expected in the small-bodied fish community in whether the set is not expected in the small-bodied fish community in other lakes. This riding was confirmed during a fisheries study conducted in algolia by Azimuth. Five nets were set in Meliadine Lake and two candidate reference lakes: Parallel and Atulik. Threespine Stickleback are the most because the set of	Unresolved	Agnico Eagle to provide more information on current reference areas in Melladine Lake, it is acknowledged that all of this information is in the ARM's available on the NWB public registry. Environment and Climate Change Canada was provided with the requested information on October 23, 2023. Agnico Eagle and ECCC commit to work together to resolve this Technical Comment prior to the Public Hearing.	у.
ECCC ECCC Chouse of salin TRC-09 pond SP6 (Lake B7)		ECCT recommends that: * the Proponent clairly if the WBWQM incorporates diffusion fluxes of salts and metals from saline sediment at the bottom of SP6. If it does not, the magnitude of this source should be described in relation to other fluxes so its impact can be evaluated; and * guidelines for the protection of aquatic life are used for SP6 to assess post-closure water quality.	Response bullet 1) Ouring operations 596 is a contact water pond and will be managed, water pumped from 596 is managed, treate are required, and other discharged to this lathours are required, and on them discharged to this lathours are retails, accounting for less than 1% of the total metal stading, loadings for small promise and remained for trace metals, accounting for less than 1% of the total metal stading, loadings for ammonia and chloride are lighter as predicted; however, even with this increased load, concentrations of ammonia and chloride are retailed to remain below relevant guidelines. Response bullet 2) Their reader is referred to response to KWA-TRC-05.	Inchesives and Meable and E-data Provides attack Response provided Crother 25, 2004. The revelveer was noting the dosure period, Agnico Eagle will be operating for another 20 years which includes water quality monitoring of 5P6 during operations and time to update providences for provided and with the objective of meeting water quality objectives. The revelveer was monitoring data and with the objective of meeting water quality objectives. The attached memorandum provides information on the diffusive loading analysis, as well as compares post-closure water quality of 5P6 to aquatic guidellines. Attachment A: Information on Diffusive Loading Analysis, and Post-closure Water Quality of SP6 Compared to Aquatic Guidelines	Part A: Partially Resolved Part B: Resolved by commitment	Part A: Agnico Eagle to provide information on the diffusive loading analysis. Environment and Climate Change Canada was provided with the requested information on October 25, 2023. Agnico Eagle and ECCC commit to work together to resolve this Technical Comment prior to the Public Hearing. Part 8: Agnico Eagle provided a comparison of results to the guidelines for the protection of aquatic life to Environment and Climate Change Canada on October 25, 2023. In future updates. Agnico Eagle will provide this comparison in the Water Balance and Water Quality model report and the ICRP.	·
ECCC TRC-11 thermal modeling for Discovery WRS	Most of the waste nock at the Meliadine mine is classified as non-potentially acid generating and non-metal leaching (IVPAG/NWL). Waste nock associated with the Discovery Pit is different in that the majority has been classified as potentially acid generating or metal leaching (IVPAG/NWL). Waste nock associated with the Discovery Pit waste nock must therefore so have been classified as potentially acid generation and metal leaching. Biscovery Pit waste nock must therefore so have not a manner to prevent development of acid drainage or metal leaching which would regatively impact water quality. A thermal cover made of MPAG/NML waste nock is enjoyed for the Discovery waster nock stonger facilities (MPSE) to maintain waste not within permitted and provided the properties of the thermal cover view the Wister must be their partners. The properties of the thermal cover was declared based on thermal modelling. The active layer is anticipated to be approximately 5 to 6 man of thus will be contained within the 6 m MPAG/NML over system. T (Section S) (conclusions). Uncertainty in the thermal model is not discussed As currently described, the proposed cover thickness of 6 m is the same depth with the model of the proposed cover thickness of 6 m is the same depth as the approximate minimum active layer A sensitivity analysis (varying model propt within cannocale ranges to understand which inputs affect results the most to present possible ranges of active layer thickness could be prevailed under which conditions the proposed cover thickness would be sufficiently protective. Not data are valiable to compare with model predictions since these WRSFs are yet to be constructed if possible, comparing the model's performance without heating from estorement cannot be the proposed cover thickness would be sufficiently protective. Not data are valiable to compare with model predictions since these WRSFs are y	WRSFs, through a sensitivity analysis or comparison to measured data at other WRSF. Additionally, the Proponent might consider including a safety factor in the design of the thermal cover thickness.	ECCC has recommended that Agnice Sagle discuss uncertainty in thermal modelling of the Discovery WIRSF. Uncertainties that can be constrained by modelling include: **Physical and thermal properties of metarists modelled: **Proportion, or distribution, of PAG/MA or NPAG/MAI waste rock; **Proportion, or distribution, of PAG/MA or NPAG/MAI waste rock; **WOR/MA contribution in dentify potential (intrinsic oxidation rate); **WOR/MA contribution underlying the WIRSF, and **Contribution of PAG/MA or NPAG/MAI waste rock; **WOR/MAI worker meeting potential (intrinsic oxidation rate); **WOR/MAI worker approved is repectedly uncertainty in thermal material properties, distribution of PAG/MAI. **N NPAG/MAI, waste rock and the heating potential of the PAG/MAI waste rock can be evaluated within the termal modelling program. These three uncertainties have been accounted for by assuring consortations in modelling inputs used relative to active layer development. That is to say that that within the range of possible wastes for each of these model inputs, the modelling program has assumed the worst-case condition for thaw of the WIRSF. **ECCC has also recommended comparison to measured data at other WIRSF. The Portage WIRSF at Agnice Eagle's Meadowbank Mine is a fully constructed WIRSF containing PAG/MI waste with a 4 metre NPAG/MAI, thermal cover system whose closure performance is actively beginn monitored through temperature monitoring at thermistors which have been drilled into the WIRSF. **Portage WIRSF thermistors show the continuing gradual shallowing of the active layer through pepasted year of monitoring. This indicates that the WIRSF is continuing to freeze back but has not yet reached a state of equilibrium. Based on thermistor data, the depth of the active layer is appropriately a metry and monitoring. This indicates that the WIRSF is continuing to freeze back but has not yet reached a state of design thickness of the thermal cover system. Additional analysis of uncertainty mould yield decreased active la	3. Portage WRSF update Agnice Cagle notes that these documents (except direct information on the Portage WRSF) has been provided in the application. Through this response, Agnice Eagle is highlighting where to find the relevant information, plus providing the Portage related documents. 1. Geochemical Characterization of Discovery Waste Rook. The geochemical Characterization of the Meliadine Mine site, including the Discovery waste rock can be found in: 4. Appendix G-60 fieldlainet Esterion Application—Geochemical Characterization and Source Term Report (Lorax 2022) cosection 4.1 Geochemical Characterization Results for Waste Rook osection 5.4 Distribution of Acid Georaria Potential at Meliadine osection 7. Results Summary **SD6-3 of 2014 PES - Geochemical Characterization of Mine Waste at Meliadine osection 1.5 Distribution of Acid Georaria Potential at Meliadine osection 5.4 Distribution of Acid Georaria Potential at Meliadine osection 7. Results Summary	Resolved with	information to be provided by Agnico Eagle and further discussions to occur. *Geochemical characterization of Discovery WR and Portage WR *Where find description of PRG in the application *Where to find description of waste deposition option It is acknowledged that this information (except the Portage report) is already included in the Application package provided to the WWB in January 2023. The Portage report will be provided.	Complete
CIRNAC Marine R-05 Discharges to Melvin Bay	The Meliadine Extension Application states that Saline and Surface Contact water will be discharged to the marine environment beginning in 2025 (Appendix E Table 2-1). This is consistent with the 2022 Annual Report in which the water balance model setup stated that "currently, saline water from the underground mine is stored in Tingianal Qope Pin 2 (Tirl 6)2 and as a with no actual discharge quantities were applied in the 2022 model year update. Previous discharges applied to the WBWOM[Water Balance Water Quality Model] include using rucks to discharge saline water from \$20 to Initial site. The proposed Waterine (i.e., the installation of an effluent waterline discharging to Itivis Harbour) will deliher treated effluent to Itivis Harbour via a diffuser. This model assumes the waterline will be operational beginning in 2025 with a seasonal discharge from Janc 2000 to September 29th at 20,000 m3/day." It is understood that the waterline is currently under construction and is expected to be commissioned in 2025. Once in operation, the waterline will be used in combination with the Saline Effluent Treatment Plant — Water Treatment Complex (SETP-WTC) or discharge treated saline water to Itivis Harbour) will discharge treated saline water to 1874 (will care contained to the saline water of 1874) will review saline water from \$9c, a new large saline storage pond. The SETP-WTC will discharge treated saline water to \$79 (willch can contain both treatest saline water and non-treated surface contain water) for pumping to Itivis for restate to \$70 (willch can contain both treatest saline water and 1874 (willch are system). While there is capacity for temporary stronge of saline water in IRR02 to manage saline water in the short-term, the application documents state that in 2022, about 50,000 m3 would be stored in the pit before discharge begins in the summer of 2025. However, the 2022 Annual Report in Section 3.2.1 of the Water Balance and Water Cullary Model (Appendix E of Appendix F 21) notes that the maximum predicted	a) Detailed discussion and schedule for actual and planned activities related to the construction of all components of the saline water collection and married discharge system, complete with scheduled risks, risk mitigation and management; b) Potential project impacts and adaptive management measures that would be required if discharge to the marrie environment via the pipeline(s) can not commence in 2025 as planned in the Meliadine Extension Application; and		Response provided October 18, 2023: Response a) The status of the waterline construction (as of October 2023): *2023 season: oleccivulation loop on the mine site completed. Officecharical installation (pumps at the plant, high pressure, and low point containers along the AWAR). Office, optic fiber, and earthworks from KM30 (mine site) to KM17 completed (aim to complete to KM15 by the end of the year). Ostaterial (aggregates) generation from Ekser 310.	Partially Resolved	Agnico Eagle to provide a schedule of construction going forward and include updated details on progress and schedule in the 2023 Annual Report. Agnico Eagle confirms that saline water from Triignaina Pit 2 or any other saline water storage would never be discharged into Meladine Lake. Agnico Eagle provided an analysis of the interactions between stored water and the groundwater regime to CIRNAC on October 18, 2023. Agnico Eagle wolld follow the Adaptive Management Plans should there be a need for storage of saline or surface contact water in a pit or pits other than TIRO2 during operations. Per the Water Lience, Agnico Eagle would communicate this operational update to the NWB pirot or the commencement of the works, update the corresponding management plans as part of the Annual Report, conduct continuous monitoring of the activity (i.e. water volume, water elevation, water quality, etc.), and provide updates to the NWB in the Annual Report. Agnico Eagle and CIRNAC commit to work together to resolve this Technical Comment prior to the Public Hearing	of to

Table G-1: Record of Technical Comments and Commitments from NWB Meliadine Extension Process Relevant to Application - Ongoin

Party ID Sub	bject Concern	Technical Comment / Recommendation (31-Aug-23)	Agnico Eagle Responses (18-Sep-23)	Agrico Eagle Additional Responses (date vary as outline below)	Status of Technical Comment (as of 28-Nov-23)	Commitments (as of 28-Nov-23)	Status of Interaction with Intervenor (as of 28- Nov-23)
CIRNAC GIRNAC - Operation R-06 Saline W Storage Tirigania Pit 2	beginning in 2025 Appendix 6 of Appendix F21, Table 2-1). This is consistent with the 2022 Annual Report. The Extension Applications (e.g., Groundwater Management Phan Jalos states that once lake 87 is dewatered during the freshet applications (e.g., Groundwater Management Phan Jalos states that once lake 87 is dewatered during the freshet avaterline to this lathout to allow mining of TIRIO2 pit to progress during the winter of 2025/E6. This seems to be in contrast with the comments provided in the 2022 Annual Report predictive modelling, which stated that "Th model assumes the waterline discharge will be sourced as 60% saline water from Tiri 02 and 40% surface contact water from CPI until the volume of saline water in Tiri 02 draws below 25,000 nn. After this, the waterline discharge will be sourced as 100% surface contact water from CPI to minimize discharge to Melladine lake. During this period, saline water from the underground mine will continue to 11 It Tirilo 21 the volume in 11 Tiril 20 arches 2000 on 3, the source water will revert to 60% saline water and 40% surface contact water until the 111 O2 drawdown target is met again." Given the above, it is appendent that AEM plants to continue storing saline groundwater in the TIRIO2 pit water flower becomes operational, and water is discharged from the TIRIO2 pit, it is unclear if AEM will continue using TIRIO2 as salin water formerly collected in TIRIO2 will now go directly to 596. Approval was granted to AEM for the temporary storage of saline water formerly collected in TIRIO2 will now go directly to 596. Approval was granted to AEM for the temporary storage of saline water formerly collected in TIRIO2 will now go directly to 596. Approval was granted to AEM for the temporary storage of saline water formerly collected in TIRIO2 will now go directly to 596. Approval was granted to AEM for the temporary storage of saline water formerly collected in TIRIO2 will now go directly to 596. Approval was granted to AEM for the temporary storage of saline water	 b) Obtain the necessary approvals through supporting information and relevant studies to use TIRIO2 beyond 2025 or any other open pit at the Meliadine Mine for saline water storage. 	Adaptive Management Plan. It could receive saline water or contact water during the operational window for	Not applicable.	Partially Resolved	Agnico Eagle confirms our priority is to discharge Tiri 02 water to Itivia Harbour in 2025. As per update to CIRNAC-R-05. Agnico Eagle and RINAC commit to work together to resolve this Technical Comment prior to the Public Hearing.	Ongoing
CIRNAC CIRNAC-Saline W. R-07 Storage i		Lake B7 (SP6) from 2025 to 2043 have been explicitly modelled and assessed; and b) Provide appropriate modelling information, assessment results and supporting documentation prior to approvin Lake B7 as SP6 for a long-term primary Saline Water storage facility. dd	submitted to the NIRB and the hydrogeological models were submitted to the NIRB and the NWB.	Response provided October 23, 2023: Agnice Tagle has provided the current water quality in Lake B7, which is consolidation of information provided previously in Annual Reports in Attachment A. The predicted water quality in SP6 is provided in Attachment B. It is noted that this information was included in the Appendix F-21 of the Water Licence Application package provided to the NWB in January 2023, specifically Appendix D of the water balance and water quality model report. Attachment A: Lake B7 Water Quality (1997 to 2022) Attachment B: Predicted Water Quality SP6 (Extracted from Appendix F-21, Appendix E of the Water Licence Amendment Application)	Partially Resolved	Agnico Eagle to provide lake monitoring data and predictions for the potential impacts on groundwater, receptor water quality and permafrost of surface soils surrounding Lake B7 during the water licence amendment process. Agnico Eagle will provide this information to CIRNAC prior to the Final Written Submissions.	
CIRNAC INTERMAC INTERMAC R-09 And Refer (ICRP)/Si Estimate	lamation The plan builds on earlier closure plans, including: 3 AEM'S Preliminary Closure and Reclamation Plan, prepared in support of the Water Licence application for Meliadine Mine, Aprecurby 2015	d d	As per our Security Management Agreement and current practice, Agnico Eagle will meet with CIRNAC and the KWA to discuss security after the Technical Meeting.	Not applicable.	Partially Resolved	As noted in the response by Agnico Eagle in the technical comment submission (dated September 18, 2023). After the Technical Meeting, Agnico Eagle will meet with CIRNAC and the KWA to discuss security.	Ongoing
CIRNAC CIRNAC Algal Bio R-13 Meliadin	the Lake something was affecting the phytoplankton community in Meliadine Lake. In light of these observations, CRINAC recommended that AEM conduct additional studies to determine the root cause of the algal blooms and determine whether the impact is the direct result of effluent discharge to Meliadine Lake. This recommendation was releasted during the 2022 Annual Report review as AEM did not provide a satisfactory response identifying the root cause of the algal blooms. The proposed Meliadine Extension project will result in increased discharges to Meliadine Lake relative to the volume of water that has been discharged to date. Based on these projected increases and the pit observations of algal blooms, it would be prudent for AEM to conduct the requested studies to assess and minimize any effects on the phytoplankton community.	a) Design a study to investigate and identify the root cause of the algal blooms in Malladine Lake and submit it for review with CIMAC and other intersted parties; b) Based on review and feedback, conduct agreed studies to determine the root cause of the algal blooms; and c) Based on the study's findings, develop action plans to prevent algal blooms in Meliadine Lake.	for the development of extensive aquatic floras and faunas	Interpretation of TP data from MEL-OL within AE-MDP Response Framework Temporal plots of total phosphorus (TP) concentrations and summary statistics for the various areas are provided at the end of this write-up to help put TP concentrations measured in 2020-2022 in context. Concentrations of TP in individual samples collected in the East Basin in 2020, 2021, and 2022 are provided in Tables 3 to 5. Shaded cells indicate TP concentrations that were measured above the AE-MP Action Level of 0.0075 mg/L TP was naturally variable among the different basins and temporally during the baseline period (see Figure 1 in this response). TP concentrations were typically in the range of 0.030-3005 wg/L in most of the samples collected during the baseline phase. However, prior to the start of construction (i.e., baseline phase), TP occasionally exceeded the AE-MP Action Level in the East Basin (MEL-OSI), near the outlet to Peter Lake (MEL-OSI), and near the outlet to the Meliadine River (MEL-OSI). These data demonstrate that the trophic classification for Meliadine Lake occasionally flast outside the range of oligotrophic coorditions. In 2020, the average concentration measured during the open water period at MEL-O1 was 0.0079 mg/L, slightly above the AE-MP Action Level of 0.0075 mg/L. However, the slightly higher TP concentrations in 2020 did not appear to contribute to lipike phytoplankoton biomass in the East Basin Phytoplankoton biomass in the East Basin was in the range of 175-250 mg/m3 in August 2020. These results were below the range observed from 2015-2019 (300-425 mg/m3), suggesting TP and other nutrients in the effluent were not contributing to a 2020 did not appropriate the phytoplankoton level trigger "Compare to FES predictions" - Community of the Response Framework, there are several potential actions that could have been taken in response to the exceedance of the AEMP Action Level in 2020: - Community and the tribute of the MEL-OS was 0.0000 mg/m3. Increase monitoring - Revealuate benchmark and revise if ne	Partially Resolved	Agrico Eagle to provide 2020 to 2022 total phosphorus data (from the AEMP near-field stations), and 2023 data with the annual report, with interpretation to the AEMP action response. An action plan will be presented if anything actionable is identified, Agrico Eagle will also check the historical sediment dataset for phosphorus and provide it to CIRNAC. Agrico Eagle provided this information to CIRNAC on October 23, 2023. Agrico Eagle and CIRNAC commit to work together to resolve this Technical Comment prior to the Public Hearing.	ř
CIRNAC CIRNAC- R-14 Report C	CINNAC noticed the following inconsistencies while reviewing the submitted documents: • Naml Application Document, Section 3 Table 3.1-references (FDP-21a Current Plan Version 2020. This is incorrect as F12 is SNC's 1st draft, December 2022, NWB submitted Version 0, dated 13 January 2023. • Most site layout plans (Mine, Inbia, and roads) do not show the Mediadine Site to this waterlines or the Discovery to Meliadine waterline. This note applies to all other documents where the Waterlines are not explicitly considered. • CRMAC could not identify the location of the SETP-WITC on some site layouts, such as in Figure 2.1-1 of the Main Application Document.	CIRNAC recommends that AEM address the above-listed issues in future updates of the documents.	Agnico Eagle appreciates CIRNAC's review and comments.	Not applicable.	Resolved with Information Provided	As per the response by Agnico Eagle in the technical comment submission (dated Septembe 18, 2023).	r Complete
DFO DFO-TRC Baselien 01 Informat Fish an F Habitat	ish .	OFC-FFHPP requests that additional baseline information be provided on fish use and habitat, as well as revised impact assessments based on the increased duration of the project are required to conduct a thorough review of the potential impacts and determine what Harmful Alteration, Disruption, or Destruction of Fish Habitat is likely to occur. OFC-FFHPP understands that additional baseline is being collected by Agnico and that information is required to complete our review.	A field summary report outlining the locations, methods, and results will accompany the Fisheries Act Authorization Application. Based on this additional collection of information, we are conflictent we have the appropriate level of information for DFO to approve the Fisheries Act Authorization. Date of application submission is currently planned for early OI 2024. The impact assessment has been completed through the NIRB process; therefore, a revised impact assessment in not necessary.		Resolved by commitment	Agrico Eagle will provide a table that lists works, undertakings, and activities (WUA) related to the Meliadine Extension and that characterizes changes to fish habitats, seasonal use (e.g. spawning, overwherting, rearing, migration), fish habitat is ensistivity, mitgation measures, and residual pressures. This table is expected to also satisfy the commitments of TRCQ2. This table will be provided in the Fisheries Act Authorization Application submission anticipated is January 2024.	.g., ils in
DFO DFO-TRC Impact of 02 and wate changes habitat	er level	OFO-FIFP requires a detailed analysis of the impact from changes in flow in all impacted watersheds on the proposed mine site due to the actions of limiting surface flow from entering the mine footprint and the diversion o contact and wastewater from natural flow paths. While AEM provided information on changes in flow and water levels, they did not provide an analysis on what the changes mean for fish habitat and fish passage. DFO-FIFPP requires an analysis of temporal and spatial habitat changes due to fish habitat and fish passage. DFO-FIFPP requires an analysis of temporal and spatial habitat changes due to make in flow from proposed mine associated works, undertakings, and activities over the various operational phases of the mine.	Technical Meeting and will try to schedule a meeting with DFO in advance of the Technical Meeting.	Not applicable.	Resolved by commitment	Agnico Sagle will provide a table that lists works, undertakings, and activities (WUA) related to the Meliadine Sension and that characterizes changes to fish habitats sensonal use (e.g. spawning, overwintering, rearing, migration), fish habitat sensitivity, mitigation measures, and residual pressures. This table is expected to also satisfy the commitments of TRC-01. This table will be provided in the Fisheries Act Authorization Application submission anticipated is January 2024.	g.,

Table G-1: Record of Technical Comments and Commitments from NWB Meliadine Extension Process Relevant to Application - Ongoing

arty ID	Subject	Concern	Technical Comment / Recommendation (31-Aug-23)	Agnico Eagle Responses (18-5ep-23)	Agnico Eagle Additional Responses (date vary as outline below)	Status of Technical Comment (as of 28-Nov-23)	Commitments (as of 28-Nov-23)	Status of Interaction w Intervenor (as Nov-23)
0 DFO-T 03	RCL Watercourse Crossings		DFO-FIFIP requires a list of locations and types of proposed watercourse crossings including roads to Discovery, and the proposed windfarms. The information should be presented in a table and include but not limited to: *locations where road infrastructure interacts with fish-bearing waterbodies and watercourses, including seasonally wet driangaes; *type of crossing proposed; *losentification of fish bearing waterbodies downstream and/or *lifish species present and life stage; *lotentification of fish bearing waterbodies downstream and/or *Mitigation measures for crossing impacting fish bearing watercourses Note that the seasonal channels between fish bearing waterbodies may be considered fish habitat. DFO-FIFIPP considers that this issue should be reviewed as part of the water license amendment process as we identified road crossing as being a priority issue which may overlap with one or more additional regulator's mandates.	The impacts of road crossings on fish and fish habitat are well understood. Additionally, the fish community composition within the area of the Mediatine Mine site has been extensively studied and is well understood. Additional information has been collected and Agnico Fagle has derived conservative estimates of community composition in extensive collaboration with DPG. This finormation is contained in the offsetting plan. Watercourse crossings will be designed and constructed to meet current industry standards, including the ability to pass fish. Design information and exact location of crossings will be provided as part of the Request for Review process prior to construction. As stated in response to DPG-TAF-QQ, the requested information is not necessary for this component of the application; however, a table will be provided to DPG prior to the Technical Meeting.	Not applicable.	Resolved by commitment	Agnico Tagle will provide a "typical" culvert design that includes fish passage specific information (e.g., type of construction, embedment, size of culvert vas tream width, substrate, in-culvert velocity). This will be provided in the Fisheries Act Authorization Application submission anticipated in January 2024.	Ongoing
DFO-T 04	RC Mitigation for watershed A and B		Miligation measures to maintain water levels in watershed A and 8 should be included in the water management plan. Watershed A is a known spawning habitat for Arctic Grayling and forage fish source for Arctic Char. Watershee 8 is Arctic Char Habitat. These measures should aim at maintaining water levels to allow for important biological functions of fish population present in the watershed.	Agrice Eagle does not agree that mitigation measures to maintain water levels in watershed A and 8 should be included in the Wlater Management Plan. Arctic Char, Arctic Grayling, and forage fish species are known to occur in both watersheds. Under the current plan and to address past IPO comments, Agrice Dagle has included waterbodies downstream of the proposed operational area (e.g., lake A1) in the habitat loss calculations to account for these impacts, though on physical works will occur in these locations. Agnice Eagle will evaluate options to maintain flows in Watershed A and Watershed 8, even though we are creating offsets for their "loss" and they will return to full function at closure.	Not applicable.	Partially Resolved	Againc Sagle will provide a conceptual design and supporting information for the propose 84 bypass which will provide supplementary flows to the lower 8 watershed. Agnice Sagle anticipates an engineered channel feature with varied substrate composition and insteam structure to mimic a natural feature. In addition, supplementary flows to the lower end of the Alake chain will be provided by pumped water from Intritre up the system. For both measures, Agnico Eagle will provide preliminary information of mesures, characteristic location, source of the supplementary flow, description of measures, characteristic, objective of the measure and monitoringl prior to the Water Licence Public Hearing	m f
	limits on Annual 2 Discharge to Meliadine Lake	nent for lengthy review	1) A Condition to the Water Licence be added to limit the annual discharge to Meliadine Lake to 1.1 million m3 annually. 2) With the reduced discharge, Agnice Eagle must provide details on water management infrastructure, including construction plans, updated management plans, and updated water quality water balance models prior to commencement of the Meliadine Extension, including impacts to levels on Meliadine Lake and downstream waterbodies.	Response 1) There is no evidence that water discharged to Meliadine Lake has a detrimental effect on the health of the lake. As shown in the water balance, between the years 2025 to 2043 the range of our annual discharge goes from 132,000 to 2,464,000 m3/year. Based on the water balance submitted to the NWB for this Application, the life of mine annual awerage is 1.3 Mm3. Based on our analysis through the NIRB process and existing operational monitoring, there is no effect on the receiving environment. The modelling shown through this process shows an optimization and an overall reduction in the volume discharged to the lake, and concentrations of the majority of parameters in the discharge, and therefore even less of an effect to the receiving environment. Response 2) Agnico Tagle does not agree with the recommendation to the cap of 1.1 Mm3 of discharge.	Not applicable.	Unresolved	Agnico Eagle and KiviA will meet to further discuss this topic and determine a path forward to resolution, if possible.	Ongoing
	3 Water Quality the water i fluoride, ar Meliadine Lake While it is i site specifi	It), fruit have used the water from Meliadine Lake for drinking while fishing, huntling, or camping in the area. Currently, in Meliadine Lake mesh teshalih Canada Drinking Water guidelines for maximum acceptable concentrations of arsenic, and iron, however, AEMP benchmaris for these compounds exceed the guidelines. Such accounts bein document] unlikely that concentrations of the above would exceed drinking water guidelines in Meliadine Lake, it is important that is water quality objectives for Meliadine Lake are below these thresholds to ensure the safety of local Inuit, as well as gle employees who drink water from Meliadine Lake on site.	Canada Drinking Water Guidelines should be adopted in Meliadine Lake for arsenic, fluoride, and iron.	Site specific water quality objectives (SSWQO) were developed through review and approved by toxicology experts from Environment and Climate Change Canada (ECCC). In addition, the development of the SSWQOs followed the methodology defined by ECCC. A Human Health and Ecological Risk Assessment was completed for the Meliadine Extension (Agnice Eagle 2022). The risk assessment included evaluation of predicted water quality changes in Meliadine Lake from the Meliadine Extension and the potential risk to end users. There were no exceedances of water quality parameters that have health-based guidelines and therefore no risk. A summary of the most recent monitoring data from the edge of the mixing zone are provided below in Table (KVMA-3-1: As concentrations are well below drinking water guidelines and the SSWQOs, there is no justification to revise the SSWQOs. Table KVMA-3-1: Monitoring Data from the Edge of the Mixing Zone	Not applicable.	Unresolved	The KivlA had a question about drinking water quality. The AEMP Annual Report includes a comparison to the aquatic SSWQDs and the drinking water quality guidelines. Details are already included in the AEMP, refer to Section 3.4 of the ABMP. Discussions between KWA and Agnico Eagle will continue to try to resolve this outstanding issue.	
		reiterates the concerns of Environment and Climate Change Canada on salt enrichment of the sediment of Lake 87 (SPG rations and potential impacts to aquatic biota and downstream water bodies, including Meliadine Lake, during post-		The above comment is based on an assumption of the quality of the sediment and not predicted evidence. Based on this Application, Agrico Eagle will be operating for another 20 years which provides operational data to validate assumptions and will be used to update water quality predictions for final closure. Therefore, Agnico Eagle has time to validate before the Final Closure Plan.	Not applicable.	Pending	As this comment is aligned with ECCC-TRC-09, KivlA will wait to confirm if this technical comment is resolved pending comments from ECCC.	Ongoing

Table G-2: Record of Technical Comments and Commitments from NWB Meliadine Extension Process Relevant to Application - Comple

Table G-2: Record of Technical Comments and Commitments from NWB Meliadine Extension Process Relevant to Application - Complete								
Party ID Subject	Concern	Technical Comment / Recommendation (31-Aug-23)	Agnico Eagle Responses (18-Sep-23)	Agnico Eagle Additional Responses (date vary as outline below)	Status of Technical Comment (as of 28-Nov-23)	Commitments (as of 28-Nov-23)	Status of Interaction with Intervenor (as of 28- Nov-23)	
ECCC ECCC Water Balance TRC-02 and Water Quality Model calibration		 provide a rationale as to what might cause natural catchment runoff volume to be halved for CP3, and clarify if/how this rationale was applied to other catchments; and provide a statistical measure of fit between modelled and measured pond volumes, and discuss how the variance 	Response bullet 1) Estimated natural catchment runoff for CP3 was reduced by half to provide a better match between modeled and measured water quality in this pond. It was difficult to ascertain the exact natural catchment area contributing to this pond, due to the low relief to popagaby, and the working assumption is that this natural catchment area is smaller in reality than what is assumed in the model. The same issue with catchment boundary definition was not encountered for any of the other ponds, and therefore no adjustments to modelled natural area runoff were necessary to achieve good model calibration at the other collection ponds. With respect to the difference between modeled and measured CP3 volumes (Figure 3-20 of the report), the maximum divergence on a given day is closer to 22,000 m3 in vine 2020, as opposed to 50,000 m3 as referenced by the reviewer. Note that the comparison should be made between the CP3-Pond (CP3 O.5) and CP3_DoS_VOL (Normal) data, as the former represents the downscaled natural catchment runoff used in the predictive model. If the maximum divergence between peak modelel and measured volumes for June 2008 is considered, understanding the timing of the peaks doesn't match exactly, the difference is closer to 11,000 m3. Response bullet 2) The focus of the model is determining whether a pond volume is likely to exceed an operating water level threshold, and/or result in an uncontrolled overflow. This is a binary (pass/fail) assessment conducted based on predicted peak volumes and does need to consider the exact day upon within this may occur. These peak volume predictions allow design pond volumes to be assessed, as well as the pumping system requirements to maintain the pond within the operating criteria. The second key output of interest with respect to pond water balances is the balance of total inflows and oothows, which relate to the total volumes requiring storage, potential treatment and discharge to the receiving environment. Standard statistical model performance me	Not applicable:	Resolved with	Based on information provided by the Proponent at the Technical Meeting in October.	Complete	
in Aquatic Effe Monitoring	Cortain modifications between versions 1 and 2 of the AEMP Design Plan seem to reduce clarify or provide less analysis of the dis data. These include: s = Data Analysis and Interpretation (Sections 5.1.4.8.6.1.4): Spatial patterns and visual temporal trends are to be analyzed for the toparameters. In the previous version of the Design Plan, methods for assessing temporal trends included statistical tests, which are not subjective, not influenced by scales used for displaying data and can be helpful in identifying subtle trends. 1 study being and Schedule (Section 5.3.2): No schedule is provided in this section. Although the timing of the benthic invertebrate study is included in Table 4.2 (Aquatic Effects Monitoring Program Design Plan for the Melladine Lake Study), it would be helpful to have it here as well. # Isled Methods and Laboratory Analysis (Section 5.6.3): The description of parameters to be tested in fish itsus is "moisture content and metals, including mercury." The previous version of the Design Plan included a table that listed which metals would be analyzed (Table 5-7: Proposed parameters to be Analyzed in Tissue Samples for the Melladine Aquatic Effects Monitoring Program with Expected Achievable Detection Limits). The list helps clarify that all appropriate metals will be included in the analysis. #*Proposed Achievable Detection Limits). The list helps clarify that all appropriate metals will be included in the analysis. #*Proposed Achievable Detection Limits). The list helps clarify that all appropriate metals will be included in the analysis included cesting of dominant taxa is relevant to evaluate possible changes in the benthic invertebrates community, particularly since eveness and similarity to reference communities are analyzed but not assessed. A detailed design plan helps ensure that the necessary data is collected and properly analyzed to monitor for any changes to the aquatic environment.		The AEMP Design Plan Version 2, NWB (December 2022) already incorporated comments from regulators from the Version 2 draft in April 2022. Smillar to the response provided in ECCC-TRC-06, the AEMP Design Plan will be updated accordingly through the Water Leence Annual Reporting process, based on when Melladine Extension site activities are triggered to confirm that the necessary data is collected and properly analyzed to monitor for any changes to the aquatic environment.	Not applicable.	Resolved by commitment	As described in Section 5.1.4 of the current AEMM design, statistical analyses along with visual examination will be used to determine differences in water chemistry between exposure and reference areas. Agnico Eagle agreed to provide examples of statistical analyses that could be used to examine spatial and temporal trends in water chemistry. Applico Eagle will evisuate the begins Plan from the previous AEMM to evaluate dominant benthic invertebrate community taxa. Agnico Eagle will integrate this update into a revised AEMMP Design Plan which will be submitted within 60 days of Water Licence Amendment issuance.	Complete	
ECCC ECCC- Saline water TRC-10 disposal during closure	At clasure, saline water stored on surface will have to be disposed of. Pond volumes are included in Tables 2.2 (Existing (end of 2020) collection ponds for Meliadine Mine) and 2.3 (Collection ponds for Meliadine Extension) of the Technical Report. Total saline water pond volumes are approximately 1.2 million cubic metres. Section 3.8 (Closure and Post-Closure Assumptions) of the Technical Report states, "All remaining saline contact water is pumped from 5P 8P to the underground vols spaces from Collector 2043 onwards It is assumed that once backfilled tailings and waster lock are accounted for, approximately 3 Min3 of void space with be available to store saline water." The available underground void space that has been quantified is much greater than the holding capacity of the saline storage ponds, and it would be the preferred storage location as it is where the saline water originated. The section continues by presenting an alternative, "If additional salient contact water is present, it can be routed to an open jit, if necessary, where the higher density water would be expected to straitly." The assumption that high density water would straitly in pit lakes is not considered in the WBWQM where lakes are considered to be fully mixed. Detailed modelling of water quality would be required before in-jet deposition of saline water. ECCC notes that the WBWQM Update provides an alternative for saline water disposal as "Waterline remains available for first two years of Active Closure (2044 and 2045)." (Table 2-1 Meliadine Extension water balance and water quality model updates for Nunavut Water Board submission).	ECCC recommends that the Proponent confirm if they are still considering disposing saline water in pits. If so, a description of what modelling would be done, data necessary for the modelling and proposed timelines should be provided.		Not applicable.	Resolved with	With information provided by Agnico Eagle in the technical comment submission (dated September 18, 2023).	Complete	
CIRNAC CIRNAC Total Dissolved R-03 Solids Concentration: CP1	Figher than expected TDS concentrations in mine contact water at the Melladine Mine have triggered several significant changes since the project was initially approved. These changes include: in a) An amendment to the Water Lience No. 2AM-MELES 10 in circase the TDS effluent quality criterion for discharges to Meladine Lake from 1,400 mg/L to 3,500 mg/L; and b) adding a waterine to discharge mise contact water to Itkia Harbour. Concentrations of TDS in Collection Pond 1 (CPI) are used as an indicator of TDS management challenges experienced at the site. The following figure, which was extracted from ARDs 2022 Annual Report to the NWB (Figure 13), indicates that maximum TDS concentrations in CPI will consistently rise above the Maximum Authorized Monthly Mean Concentration discharge criterion of 3,500 mg/L clump the winter periods when no sidscharge taking piace and will remain above 1000 mg/L throughout the year in contrast, the following figure was extracted from ARpsendis 14-07 (Figure 6-4) of the FES Addendum. In this case, concentrations of TDS in CPI are predicted to remain web blows 1,000 mg/L after 2025. This represents a more than 70% reduction compared to the predictions presented in the 2022 Annual Report. He Water Stainse and Water Calabily Model was updicted for the Melladine calino submission to the NWB (Appendix of POPC), including TDS, ammonia and assent, and specifically with respect to the Effluent Water Treatment Plant (EWTP) notes: "As part of water management opinization, collection ponds previously routed to CPI Ge., CPI and not have the contract of SPG resulting in an overall reduction in ammonia concentrations of TDS and total assents in the EWTP are expected to decrease in relation to changes in surface water management during the early operational phase (2025-2031):" Mid Melladine Estension (2032-2038): "At the EWTP, model predictions for TDS, ammonia, and total assents and total arsent at EWTP are expected to decrease in relation to changes in surface water management during the e	quality modelling and actual results.	Evidence was put forward in the 2020 Water Licence Amendment application (Golder 2021) that TDS discharge criteria of 3,500 mg/L (maximum average) and 4,500 mg/L (maximum grab) will comply with the end of pipe toxicity criteria (p. will not be acutely lethal) and will not result in adverse effects in the receiving environment (Golder 2021; Agnico Eagle 2022). Agnico Eagle 2022, Agnico Eagle will continue to meet the Water Licence and MDMER discharge criteria. There is no articulae to change the discharge limits for the Meliadine Mine. In addition, the operations have to maintain flexibility to ensure the site can adapt to changing conditions. References Agnico Eagle (Agnico Eagle Mines Limited). 2022. Meliadine Mine – Meliadine Extension FEIS Addendum. Submitted to the Nurawut Impact Review Board. July 2022. Submitted to the Nurawut Impact Review Board. July 2022. Solder (Golder Associates Ltd). 2022. Water Qualify Management and Optimization Plan Progress Update Rev4b; Plase 3: Meliadine Mine Effluent Discharge Benchmarks for Total Oissolved Solids. Submitted to Agnico Eagle Mines Limited. August 2021. Posted to the NWB Site August 20, 2021.	Not applicable.	Resolved with	As noted in the response by Agnico Eagle in the technical comment submission (dated September 18, 2023).	Complete	
	Section 2.1 of the Water Balance and Water Quality Model (Appendix E of Appendix F21) states that: "Source terms developed for y the 2022 FES WBWQM described in the Geochemical Characterization and Source Term Report (Lorax, 2022b) are applied herein with few notable updates. Updates are generally related to changes to the mine site layout, mine facility water balance, thermal modelling profiles, and final kinetic testing results." Table 8-1 of Lorax (2022b) states: "All mine facilities areas, ore pads, and disturbed areas will be reclaimed at the end of operations. These areas will everent to background vater quality at Coisure." Regardless of the effectiveness of environmental controls during operations and reclamation, CIRNAC is not convinced with AEM's possition that reclaimed areas of the site will not result in higher chemical loadings than the background. For example, atmospheric dispersion of dust from one, waste rock and tailings would typically result in some deposition of metals throughout the site at concentrations above the background. Other materials will also serve as a source term for potential metal loading (e.g., roads and pads constructed from waste rock.). These sources can potentially leach metals into the receiving environment at concentrations higher than the background.	CIRNAC recommends that AEM provide specific information on the source terms used in the Water Quality Model for reclaimed site areas for the post-closure water quality predictions.	Source terms were provided in Appendix C of Appendix E of Appendix F21 of the submission to the Nunavut Water Board: *Appendix F21: Water Management Plan oAppendix E: Melladine Extension Water Blance and Water Quality Model Update BAppendix C: Source Term and Geochemical Reports: Agnico Eagle will be operating for another 20 years which provides operational data to validate predictions. In addition, on an annual basis Agnico Eagle is required to update the water balance and water quality models. Therefore, Agnico Eagle has time to validate before the Final Closure Plan.	Not applicable.	Resolved by commitment	As noted in the response by Agnico Eagle in the technical comment submission (dated September 18, 2023). Agnico Eagle will continue to collect operational data for the next 20 years and validate the model predictions. *Agnico Eagle is required to update the water balance and water quality models on an annual basis.	Complete	

Table G-2: Record of Technical Comments and Commitments from NWB Meliadine Extension Process Relevant to Application - Complete

Table G-2. Record of	Technical Comments and Commitments from NWB Meliadine Extension Process Relevant to Application -	Complete					Status of
Party ID Subject	Concern	Technical Comment / Recommendation (31-Aug-23)	Agnico Eagle Responses (18-Sep-23)	Agnico Eagle Additional Responses (date vary as outline below)	Status of Technical Comment (as of 28-Nov-23)	Commitments (as of 28-Nov-23)	Interaction with Intervenor (as of 28-
CIRNAC CIRNAC Sludge Disposa R-88 in Saline Water Storage	The Water Management Plan included as Appendix F21 of the NWB submission for the Meliadine Extension Project (Section 2.1.1.4) and Appendix 3:1-01 of the 2022 Annual Report for the Meliadine Gold Mine (Section 3.9.4.3) states that sludge produced as part of the total suspended solids (TSS) emoval process at the Water Terentment Complex (WT); oli scharged into saline water storage. It is sampled monthly for metal content, hydrocarbons (CLO-S0) and organic carbon to determine any potential impact on the receiving saline ponds. While saline water storage areas for WTC sludge disposal are not specifically identified, Section 2.2 of Appendix F21 indicates that saline contact water during the Meliadine Extension will be managed in various saline ponds on the surface (including SP01, SP5, Sumps P3 and P4 at Pump, and Sump F2 at F2 and) and then routed to TiR02 (prior to 2023) and SP6 (2025 onwards), in 2022, as section 3.3.1 of the 2022 Annual Report noted, 3.500 and 5 sludge produced from the Effluent Water Terestment Part Water Terestment Complex (EWTP-WTC) treatment process was pumped to TiR02 for storage, in Section 3.3.4 of Appendix 3.1-0.0, ARM states that they my also explore order alternatives for studied geloposition in future years, such as dewatering using apotextile bage (e.g., Geotubes**) or mechanical dewatering, which could include technology such as filter press, centringe, or belt filters. The dewatered sludge could then be disposed of as 3 obliged disposation in future years, such as dewatering using apotextile bage (e.g., Geotubes**) or mechanical dewatering, which could include technology such as filter press, centringe, or belt filters. The dewatered sludge could then be disposed of as 3 obliged disposation of sludge about as filter press, centringe, or belt filters. The dewatered sludge could then be disposed of as 3 obliged disposation of sludge about as filter press, centringe, or belt filters. The dewatered sludge could then be disposed of as 3 obliged disposation of sludge disposation in cont	b) Clarify what AEM means by "may also explore other alternatives for sludge disposition in future years" and provide clear commitments on studies and timelines; c) Evidence that the practice of disposing of sludge waste in the Tiriganiag 2 Open Pit (or any other water body) has undergone an environmental screening to confirm whether the practice might result in significant environmental impacts.	Responses a), b), and c) As these recommendations are a copy and paste from the 2022 Annual Report Comments submitted by CIRNAC to the NWB, we refer CIRNAC to Agnico Eagle's September 15, 2023 response to CIRNAC 4.	Not applicable.	Unresolved	Agnico Eagle to provide further information on this topic in the next annual report.	Nov-23 Unresolved
CIRNAC CIRNAC- N-10 reshward in Freshward in	As noted in Section 2.3.6.1 of the Main Application document and Section 2.8.1 of the Water Management Plan (Appendix F21), AEM states that more freshwater consumption than originally planned will be required for the Meliadine Extension mainly due to increased tomage through the mill and increased camp capacity. Specifically, AEM anticipates an overall increase in the to increase and company and an overall increase in the total capacity. Specifically, AEM anticipates an overall increase in the total capacity. AEM anticipates an overall increase in the total capacity. AEM anticipates are overall increase in the contract of the capacity of the paster plant, 53% for the mills, and 28% for the emission plant. Freshwater will also be needed for underground mining and Stocovery installation. From CRMAC's perspective, sufficient details have not been provided in the application documents to support/justify these numbers. A review of freshwater consumption from Meliadine Lake over the last 3 years (2020-2022) with full mining and milling show that crossumption has ranged from a low of 25% 282 m3, "40% of the approved and plant of actual milled tons (as extra milled tons) as the provided and an approved 120,200 m3. These consumption values are generally consistent with the percentage of actual milled rost (as estimated from reported tailings over these years, companed to the approved milling rate of 8,50% top), fixed, and local community members have expressed significant concerns about changes to Meliadine Lake enth need to minimize in past catual milled tons; as turnarily members were approved 120,200 m3. These consumption values are generally consistent with the percentage of actual milled tons (as Estimated from reported tailings over these years, companed to the approved milling rate of 8,50% top), fixed and cold community members are supported to the provided and provided milling rate of 8,50% top). Fixed and community members are supported tailings over these years, companed to the approved milling rate of 8,50%	consumption from Meliadine Lake.	Agrico Eagle refers CIRNAC to Table 2.3-2 of the Main Application Document with the details required to support the request. In addition, the requested volume is still less than the 2014 environmental assessment. We always took for opportunities to reduce our consumption; however, an upper limit is required for unforeseen circumstances.	Response provided October 18, 2023: CINNAC requested further details on the increased water consumption for the mill and the camp. CINNAC requested further details on the increased water consumption for the mill and the camp. Table 2.3-2 from the Water Licence Amendment Main Application document (Agnico Eagle 2023) presents the freshwater consumption needs of the operation as defined by the 2014 frial Environmental impact Statement (FES), the 2020 Type A Water Licence Amendment (the current Licence), and the amendment application for the Melladine Extension. Table 2.3-2 of the Main Application document of the Amendment (table provided) Table 1 provides the percent change in operation freshwater consumption needs for the amendment in relation to both the 2014 FEIS and the current Licence for camp use and the mill. Table 1.1 Procent change in operation freshwater consumption needs from the 2014 FEIS and the current Type A Water Licence (table provided) Camp Use increase Camp Use increase Camp Use increase Camp Use increase from the application of the current Licence (apino Eagle 2020). This revised value is based on the average historical water consumption measured at the easting Meldadine camp. With an estimated 39 Swedness expected on the Melladine Estension (pur from 600 workers), this equates to an annual consumption of 36.350 m3 per year. Milling water usage is required to facilitate the gold extraction process. The rate of freshwater consumption used for milling purposes varies at the moisture content of orce feeding the mill can influence the volume of make-up water required. The rate used to estimate the annual mill water requirement is 0.21 m3 per tonne of orce feeding the mill can influence the volume of make-up water required. The rate used to estimate the annual mill water requirement is 0.21 m3 per tonne of orce feeding the mill can influence the volume of make-up water required. The rate used to estimate the annual mill water requirement is 0.21 m3 per tonne of orce feeding the mill can influence		Agrico Eagle will provide further detailed information regarding the need for a 20% water consumption contingency to CIRNAC prior to the Final Written Submissions.	Ongoing
CIRNAC CIBNAC- Italia Fuel Stora R-11 Capacity	ge Table 12-1 of the Main Application Document states under the estiting Meladine Milne – Phase 1 & 2 Rankin Inlet Infrastructure—Fuel Storage column that there is "A fuel that farm to store up to 80 million littrace" of diesel fuel in 8 x 10-million littra Inankiam to store up to 80 million littrace of diesel fuel in 8 x 10-million littra Inankiam to store up to 80 million littrace of diesel fuel in 8 x 10-million littrace. Section 2.3 8 of the Main Application document AEM states, "There are no proposed changes for the Rankin link! Infrastructure", Section 2.3 8 of the Main Application document AEM states, "There are no proposed changes for the Rankin link! Infrastructure", In Appendix F11: This 80 Bluk feel Storage Facility FEMP Scction 2.2 states that currently, there are 2 fuel tanks at this "Take" Take 12 20 ML and Tank #2 13.5 ML. Section 2.2 states that currently, there are 2 fuel tanks at this "Take" Take 12 20 ML and Tank #2 13.5 ML. Section 2.2 also includes the following update: "Agnica Galge plans to add another 20 ML fuel tank within the GR M care 2 fuel tank property rare. This would be done in consultation with the GN and would be designed to meet applicable regulations and guidelines". Together, this would bring the Ithia capacity to 20-13.5-20-53.5 ML. The Spill Contingency Management Plan (Appendix 20) Section 3, Table 3.1 motors that there are three dieset tanks at this Harbou (one 20 ML tank, one 13.5 ML, and one 4 ML tank), which is one more than what is stated elsewhere. Given this contradictory information it is unclear what actually exist at Itivia Harbour, and whether or not new facilities are being proposed in the Extension requiring additional NWB approval.	CIRNAC recommends that AEM provide clarification on the fuel storage capacity currently existing at Itivia Harbour and what is being proposed and expected to be constructed, operated and licenced.	Agnice Sagle appreciates the comments raised by CIRNAC and has provided clarity in the below table. [table presented in text format to support this document submission] Comment Balked by CIRNAC Table 1.2-1 of the Main Application Document states under the existing Meliadine Mine -Phase 1 & 2 Rankin Inlet Infrastructure-Puel Storage column that there is "A fuel tank farm to store up to 80 million litres of diesel fuel in 8 x 10-million litre tanks". Under the Meliadine Extension Water Licence Amendment column, the table states that there will be an "Increase of fuel tank farm to store up to 80 million litres of diesel fuel in 8 x 10-million litre tanks". In Appendix F11- Ithis Bulk Fuel Storage Facility EPMP, Section 2.2 states that currently, there are 2 fuel tanks at Ithis - Tank #1 20 ML and Tank #2 13.5 ML. The Spill Contingency Management Plan (Appendix 20) Section 3, Table 3.1 notes that there are three diesel tanks at Ithis - Tank #1 20 ML and Tank #2 13.5 ML, and one 4 ML tank), which is one more than what is stated elsewhere. Response by Agnico Egigle In the 20.01 E final Environmental Impact Statement, Agnico Eggle assessed and was approved for up to 80 ML of fuel at Itivia Harbour. As part of Meliadine Extension, Agnico Eggle is maintaining the upper limit for operational flexibility and there is no change to the upper limit. However, an additional 20 ML would be added, bringing the total to 53.5 ML. Currently at Itivia, there is a 20 ML tank and a 13.5 ML tank. The 4 ML in the Spill Contingency Plan is an error in the plan. The removal of the 4 ML tank was corrected in the Spill Contingency Plan (V13) which submitted as part the 2022 Annual Report.	Not applicable:	Resolved with Information Provided	As per the response by Agnico Eagle in the technical comment submission (dated Septembel 18, 2023).	r Complete
CIRNAC CIRNAC Improvements the Water Management Strategy	to in the Main Application document (Section 2.3.5 and Table 1.2-1), AEM states that there would be no material changes to the overall water management strategy, which is summarized below: Surface contact water and saline water from the underground mines will be separated. Water management at the site will be optimized using the waterine to minimize discharge to Meladine lake. Water collected at the Discovery site will be conveyed through a new 2.5 am. (3-in American from the Discovery) at to the SeT pat the Meladine lake, where it will be treated and discharged into the receiving environment (this Harbour) using the approved 1.6-inch waterlines. Additional saline ponds will be established at F. Zone, Friignaina)-40/l. Pump and Discovery to collect water originating from underground mine activities. As proposed during Amendment No. 002 to Project Certificate No.006, saline water will eventually be conveyed to the Sewage Fitteent Treatment Plant (SETP), where it will be treated and discharged to the receiving environment (Itivia Harbour). The capacity of the Sewage Treatment Plant will be increased to accommodate the increased number of employees. CIRNAC notes that the proposed changes are intended to improve the operation's environmental performance (e.g., through improved saline water management)-teparation, and (IRNAC commends Adm on these efforts. CIRNAC considered additional actions to further reduce discharges to Meladine Lake, such as redirecting runoff/seepage from Ore Storage Pad 2 to the proposed new saline pond 5P6 instead of CP1.	CIRNAC recommends that AEM explore a better management approach for the runoff/seepage from Ore Storage Pad 2 (OP2 and OP2 Extension) to help minimize discharges to Meladine Lake.	With regard to the ore pad the recommendation is not feasible; however, Agnico Eagle does implement continuous improvements through the operations. Recommendations on continuous improvement associated with existing infrastructure should be handled through annual report review.	Not applicable.	Resolved by commitment	Agnico Eagle to provide further information on this topic in the next annual report with specifics of actions (if necessary).	Complete
DFO DFO-TRC- Fish Offsetting Plan		DFO FFHPP requests that AEM provide the most up to date fish offsetting plan reflecting the work that was done with DFO and ECCC.	The latest version of the fish offsetting plan is provided in Appendix A. Agnico Eagle has provided a history of the offsetting plan in the table below	Not applicable.	Resolved with Information Provided	As per the response by Agnico Eagle in the technical comment submission (dated Septembe 18, 2023).	.r Complete
KiviA KiviA- Contact Water TRC-04 Management	The construction of a dual waterline from the Meladine Site to Itivia Harbour has been approved by all regulatory bodies, and is expected to be operational in 2024. The waterline is expected to manage all saline groundwater on site, and be used to minimize or eliminate discharge to Meladine that be by diverting urthaze contact water to thivia Harbour. The KMA has requested that a prioritized discharge strategy be used for managing contact water, where water with higher concentrations to Contaminants of concern is prioritized for discharge to Itivia Harbour. This would include water from CP3, Sewage water, CP5, and CP4. While the Water Quality Water Balance Models contemplate these changes, they are not reflected in the Water Management Plan or the Adaptive Management Plan.	The Water Management Plan/Adaptive Management Plan should be updated to include a prioritized discharge strategy.	Based on comments from KivIA, water from CP3, CP4, CP5, and the STP can be directed to the saline storage pond under normal operating conditions; outside of normal operating conditions, waters from CP3, CP4, and CP5 would be directed to CP1. Agnico Eagle will update the Water Management Plan and the Adaptive Management Plan with these details.	Not applicable.	Resolved with Information Provided	As per the response by Agnico Eagle in the technical comment submission (dated Septembe 18, 2023).	f Complete