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NUNAVUT WATER BOARD
NUNAVUT IMALIRIYIN KATIMAYINGI
OFFICE DES EAUX DU NUNAVUT

File No.: 2AM-MEL----

To: Meliadine Distribution List

Date: November 10, 2015

Subject: Type “A” Water Licence 2AM-MEL----: Pre- Hearing Conference Decision Regarding an Application for a new Type “A” Water Licence

On November 10, 2015 by Motion #2015-22-P15-03, the members of the Meliadine Panel (P15), duly appointed by the Nunavut Water Board (NWB or Board) to consider the Application for a new Type “A” Water Licence 2AM-MEL---- approved and directed the release of this Pre-Hearing Conference Decision Report and procedural direction associated with the upcoming in-person Public Hearing to be held in the community of Rankin Inlet during second week of February, 2016.

In order to facilitate the licensing process for considering the Type “A” Water Licence 2AM-MEL---- Application (Application), submitted to the Board by Agnico-Eagle Mines Limited (AEM or the Applicant), the Panel directed that, in accordance with Rule 14 of the NWB *Rules of Practice and Procedure* (the *Rules*), the staff of the NWB hold a Technical Meeting (TM) and a Pre-Hearing Conference (PHC) for the Application.

As indicated in the Notice of Application, dated August 27, 2015, the TM and PHC for the Application were held in person in the community closest to the undertaking, Rankin Inlet, Nunavut on October 14 and 15, 2015. On the evening of October 14, 2015, the Board’s staff also hosted a Community Session regarding the Application. The Agendas for the TM, Community Session and PHC are attached as [Appendix A](#) to this Decision.

As set out in Rule 14.1 of the *Rules*, the PHC dealt with the following matters relevant to the Renewal Application:

- Timetable for the Pre-Hearing exchange of information;
- Identification of interested parties;
- Submissions of interested parties;



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- List of issues to be dealt with at the Hearing;
- Desirability of amending the Renewal and Amendment Application for the purpose of clarification;
- Procedures for the Hearing; and
- Identification of any other matters that may assist in the simplification and disposition of the Hearing.

Introduction and Registration

The following parties registered and attended in Rankin Inlet at the TM, Community Session and PHC:

- The Applicant, Agnico-Eagle Mines Limited (AEM or the Applicant);
- The Kivalliq Inuit Association (KivIA); and
- Aboriginal Affairs and Northern Development Canada (AANDC).

Representatives from Environment Canada (EC) and Canadian Northern Economic Development Agency (CanNor) attended the TM/Community Session/PHC via teleconference. For the purpose of brevity, KivIA, AANDC and EC collectively will be referred to as Interveners from time to time in this Report.

The Board also benefitted from the attendance at the TM, Community Session and PHC of several community members who asked questions and provided comments about the Application. [Section 5.0](#) of this Report provides a summary of the questions, comments and issues raised by community members. The listing of attendees at the TM/Community Session/PHC held in Rankin Inlet (summarized from the sign in sheets recorded at these sessions) is attached as [Appendix B](#) to this Report.

1.0 The Application Before the Board

The Application being considered by the Board was filed by Agnico-Eagle Mines Limited (AEM or the Applicant) on May 13, 2015, seeking for approval of a Type “A” Water Licence No. 2AM-MEL----, which would authorize the use of water and deposit of waste for a Mining Undertaking (as now defined under the Nunavut Waters Regulations¹) at the Meliadine Gold Project. Pursuant to the Nunavut Land Claims Agreement (NLCA) and the *Nunavut Waters and Nunavut Surface Rights Tribunal Act*, S.C. 2002, c. 10 (NWNSTRA), the proposal for the Project

¹ SOR/2013-69.



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was found to be in conformity with the Keewatin Regional Land Use Plan (KRLUP) by the Nunavut Planning Commission (NPC) on June 8, 2011, and the Project Certificate [No. 006] was issued by the Nunavut Impact Review Board (NIRB) on February 26, 2015.

The Project is located approximately 25 kilometres (km) north of Rankin Inlet, and 80 km southwest of Chesterfield Inlet, within the Kivalliq Region of Nunavut. Situated on the western shore of Hudson Bay, the proposed Project site is located on a peninsula between the east, south, and west basins of Meliadine Lake on Inuit owned lands. The Project is located within the Meliadine Lake watershed of the Wilson Water Management Area. The Project is composed of five known deposits: Tiriganiaq, F Zone, Pump, Wesmeg, and Discovery. AEM is proposing to develop these deposits in a phased approach and to apply for subsequent approvals once the deposits are better defined through ongoing exploration activities.

Regarding the Application under review, AEM is seeking approval for a Type “A” Water Licence 2AM-MEL---- for the term of 15 years to develop Phase 1 of its plan. This Phase proposes to develop the Tiriganiaq deposit, which would include two open pits, one underground mine, ore processing, power plant, warehousing, administration and personnel accommodation, and all associated facilities to support these activities. Additional activities include the development of certain facilities, such as tank farm and laydown area, proposed to take place at Itivia, south of the Hamlet of Rankin Inlet, where materials will be received by air and sea transport. Year-round access between Rankin Inlet and the mine site will be facilitated by an existing All-weather Access Road between Rankin Inlet and the proposed Meliadine Mine site, and a bypass road to be constructed around Rankin Inlet.

The gold mine and milling operation is estimated to require 4 years of construction, and will involve 8 years of active mine life to process approximately 12.1 million tonnes (Mt) of ore, 31.8 Mt of waste rock, 7.4 Mt of overburden waste, and 12.1 Mt of tailings. The proposed term of the Licence also includes a period of approximately 3 years following the conclusion of active mining during which the Applicant plans to carry out closure and post-closure related activities.



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Application and Supporting Materials Submitted by the Applicant

On May 20, 2015, AEM submitted the application and supporting documentation for a new Type “A” Water Licence for the Meliadine Gold Project. [Appendix C](#) provides a listing of the specific information provided with the Application, all of which is available from the Nunavut Water Board’s public registry at the following link:

<ftp://ftp.nwb-oen.ca/1%20PRUC%20PUBLIC%20REGISTRY/2%20MINING%20MILLING/2A/2AM%20-%20Mining/2AM-MEL----%20Agnico/1%20APPLICATION/2015%20New/>

On July 24, 2015, the Applicant provided responses to the comments provided by Interveners in the context of their completeness review of the Application.

On October 9, 2015, the Applicant provided a further submission in response to the technical review comments of Interveners filed by October 5, 2015. This submission included a listing of certain commitments in response to the parties’ technical review comments.

Scope of the Type “A” Water Licence Application

The application filed with the NWB by AEM is for a new Type “A” Water Licence 2AM-MEL-- (the Application). The Scope of the proposed Application includes the following items [note: facilities and activities described below in capital letters are the types of activities and facilities that are referenced as defined terms in the Application or in existing NWB Type “B” licences for the Project]:

At the Meliadine Mine Site:

- Use of Water from Meliadine Lake for mining and milling, associated activities and domestic purposes;
- Construction and Operation of mine site facilities including mill, underground mine access Portal 2, offices, warehouses, maintenance and on-site storage areas, accommodation infrastructure; and site roads;
- Quarrying of materials from specified locations;
- Construction and Operation of a Power Generation Plant;
- Construction and Operation of the Fuel Storage Facility;
- Construction and Operation of Ramp and Haul Roads;



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- Operation of the All Weather Private Access Road between Rankin Inlet and Meliadine Mine Site;
- Construction and Operation of an Explosives Production and Storage Facility;
- Construction and Operation of a Laboratory and Core Shack;
- Construction and Operation of Water Management Infrastructure, including
 - Freshwater Intake and infrastructure
 - Water Collection Ponds
 - Water Retention Dikes and Berms
 - Water Collection Ditches
 - Surface and Underground Water Treatment Plants
 - Sewage Treatment Plant; and
 - Diffuser.
- Construction and Operation of Waste Disposal Infrastructure, including:
 - Landfill
 - Landfarm
 - Incinerator
 - Ore Storage Facilities;
 - Waste Rock Storage Facilities; and
 - Tailings Storage Facility.
- Management and disposal of Wastes associated with the Surface and Underground Water Treatment Facilities, Sewage Treatment Plant, Waste Rock Storage Facilities, Landfill, Landfarm, Incinerator, and other wastes as described in the Water Licence Application;
- Handling and storage of petroleum products and hazardous materials;
- Deposition of tailings into the Tailings Storage Facility;
- Controlled and regulated Discharge of Effluent to Meliadine Lake from Collection Pond 1.



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At the Itivia Satellite Site (Rankin Inlet):

- Construction and Operation of the Fuel Storage Facility (included in the scope of the Water Licence 8BC-MEL1516 issued for Meliadine Gold Site Preparation);
- Construction and Operation of the laydown area (included in the scope of the Water Licence 8BC-MEL1516 issued for Meliadine Gold Site Preparation);
- Installation of the Spud Barge Structure;
- Construction and Operation of the Rankin Inlet Bypass Road; and
- Progressive Reclamation and Abandonment planning of all site facilities.

2.0 Procedural History

The following includes a brief overview of the procedural history for the Application. It should be noted that the following listing captures only the major procedural steps associated with the Application. All documentation and the complete history of the NWB component of the licensing file are available from the NWB’s ftp site at the link provided in Section 1.0 of this decision.

- **May 20, 2015**
 - The Nunavut Water Board (NWB or Board) received a water licence application (Application) for a Type “A” Water Licence and supporting documentation from Agnico-Eagle Mines Limited (the Applicant or AEM) for the proposed Meliadine Gold Project. This Application and associated documents replaced the initial draft water licence application package for the Meliadine Gold Project submitted to the NWB in 2010/2011 as part of the Nunavut Impact Review Board’s assessment of the Meliadine Gold Project.
- **June 11, 2015**
 - The NWB acknowledged receipt of the Application and asked interested persons to review the scope and completeness of information provided, as well as to identify the deficiencies. These were to be submitted to the NWB by **July 11, 2015**, however extended to **July 21, 2015** as per request from Kivalliq Inuit Association.



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- **July 21, 2015**
 - The NWB was in receipt of comments on the completeness of the application from Aboriginal Affairs and Northern Development Canada (AANDC), Environment Canada (EC) and Kivalliq Inuit Association (KivIA). The Board did not receive any indication that the application should not proceed through the regulatory process.
- **July 24, 2015**
 - AEM provided responses to completeness review comments made by Interveners.
- **August 27, 2015**
 - The Board gave notice of the Application in accordance with section 55(1) of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NWNSRTA), inviting Interveners and any other interested persons to provide the Board with their comments on or before September 28, 2015, advising the parties of the consequences of failing to identify issues of water user compensation to the Board in accordance with the comment timeline and advising the parties to prepare for a Technical Meeting and Pre-Hearing Conference to be hosted by the Board staff in Rankin Inlet tentatively the week of October 12th, 2015.
- **September 4, 2015**
 - The Board received a 7 day extension request to the deadline for technical review submissions from AANDC, and an extension was granted until **October 5, 2015**.
- **October 5, 2015**
 - The NWB was in receipt of written representations from AANDC, EC, and KivIA.
- **September 28 and October 6, 2015**
 - The Board confirmed the dates of **Technical Meeting and Pre-Hearing Conference set at October 14-15, 2015**, and provided parties with a proposed Agenda. Interested parties were asked to provide comments on the proposed Agenda by October 9, 2015.
- **October 9 and 13, 2015**



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- The NWB received AEM preliminary responses to some of technical review comments.
- AANDC, EC and KivIA provided confirmation of their attendance at the Technical Meeting and Pre-Hearing Conference.
- **October 14 and 15, 2015**
 - The NWB hosted the Technical Meeting, Community Session and Pre-hearing Conference in Rankin Inlet.

With respect to this Application, as previously noted the following pre-licensing requirements have been completed:

- On **June 8, 2011**, Nunavut Planning Commission determined that the Meliadine Gold Project conforms to the Keewatin Regional Land Use Plan (KRLUP).
- On **October 10, 2014** the Nunavut Impact Review Board (NIRB) completed a review of the potential eco-systemic and socio-economic effects of the Project and pursuant to Section 12.5.12 of Article 12 of the Nunavut Land Claims Agreement recommended that the Project be allowed to proceed subject to various terms and conditions.

2.1 Licences Issued to the Project

There are four licences currently issued for the project covering exploration, all-weather access road and pre-development activities for the Meliadine Gold Project. These are:

Licence No.8BC-MEL1516: for the Meliadine Gold Site Preparation Project, including activities at the Meliadine Gold Mine Site, the All-Weather Access Road and in the Rankin Inlet Area (no direct water use);

Licence No.2BW-MEL1525: for the use of water and disposal of waste during water-crossings and road construction and/or operation activities at the Phase 1 – Meliadine All-Weather Access Road Project (200 m³/day water use);

Licence No.2BB-MEL1424: for the use of water and disposal of waste during camp operations and activities related to Mining that include exploration, drilling on land and on ice, and trenching at the Meliadine West Gold Project (290 m³/day water use). This file is currently



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undergoing an amendment application technical review with submission deadline of October 21, 2015;

Licence No.2BE-MEP1318: for the use of water and disposal of waste during camp operations and activities related to exploration that include prospecting, geological mapping, geophysical surveys, diamond drilling and trenching at the Meliadine East Project (299 m³/day water use).

3.0 Technical Review Comments Received by the Board

Prior to the Technical Meeting and Pre-hearing Conference, the Board provided interested parties with two opportunities for comment on the Application. The Board’s first comment period requested parties to consider whether the Application was complete and to identify any outstanding issues that should prevent the Board from continuing to process the Application. This comment period closed on July 21, 2015 (extended from July 11, 2015 as per request of the KivIA). The second comment period requested parties to file substantive technical review comments on or before October 5, 2015 (extended from September 28, 2015 as per request of the AANDC). The sections that follow outline the comments provided during these comment periods, but also reflect comments provided by the Board staff during the TM and PHC.

Kivalliq Inuit Association (KivIA)

The KivIA is the representative of the Inuit beneficiaries of the Kivalliq Region, at both the territorial and regional levels and supports sustainable economic development opportunities for Inuit beneficiaries. KivIA’s participation in the review of the Application was focused on ensuring that adequate protection of the environment occurs by requiring the Applicant to implement best practices in their mitigation and monitoring programs. The KivIA advised that before the TM and PHC, they had conducted two teleconferences with the Applicant in an effort to resolve outstanding issues.

The KivIA technical review raised a number of issues with the focus on the following key subject matter:

- Saline groundwater and freshwater discharges to the receiving environment;
- Water balance modeling;
- Waste management including dust management; and
- Environmental monitoring.

Specifically, the KivIA provided the Board with comments and recommendations on the following issues:



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- Review of submitted management plans with specific comments provided on:
 - Water Management Plan;
 - Aquatic Effects Monitoring Program (AEMP) Design Plan;
 - Environmental Management and Protection Plan;
 - Ore Storage Management Plan;
 - Hazardous Materials Management Plan;
 - Incinerator Management Plan;
 - Landfarm Management Plan;
 - Roads Management Plan; and
 - Mine Waste Management Plan.
- Recommendations regarding water management and monitoring programs in relation to the following specific issues:
 - Water balance modeling conducted on precipitation data and runoff conditions to also include climate change predictions in addition to the described average conditions at Rankin Inlet from 1982 to 2009;
 - Discussion on how Inuit Qaujimajatuqangit (IQ) has been incorporated into the monitoring activities associated with the Water Management Plan;
 - Details of the saline water management, including volume and discharge criteria for the preferred disposal/treatment option, saline groundwater as a dust suppressant in the arctic and the impacts on the surrounding terrestrial ecosystem;
 - Discussion on how all Site Specific Water Quality Objectives (SSWQOs) used for the project were derived;
 - Addition of two monitoring sites around the diffuser or sufficient rationale to be provided on why a single monitoring station is sufficient to characterize the receiving environment at the edge of the mixing zone for discharges to a lake;
 - Additional aquatic sampling locations and a sampling schedule around Rankin Inlet to be included within the Aquatic Effects Monitoring Program (AEMP) Design Plan;
 - Discussion on the appropriateness of each input to the CORMIX model used for the delineation of effluent plume;



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- Discussion on how data will be handled, if the 20% relative percent difference (RPD) threshold is violated. Providing a discussion on what criteria will be used to disqualify the inclusion of, for example: single parameters, discrete samples and sampling events;
 - Providing significance thresholds for water quality, sediment quality, and fish tissue chemistry as standalone valued ecosystem components (VECs);
 - Collection of additional fish tissue data to update the baseline data prior to issuance of the water licence;
 - Re-categorizing MEL-05, MEL-06 and MEL-07 as general aquatic monitoring stations so that they are evaluated against established water quality guidelines or effluent quality criteria and are subject to compliance; and
 - Discussion on available and intended detection limits for the parameter suite.
- Recommendations regarding waste disposal and management in relation to the following specific issues:
 - Discussion of the potential dust deposition impacts originating from the dry stack tailings storage facility (TSF) on Lake B7, inclusion of a summary of all dust monitoring stations around the project site;
 - Discussion of thresholds that will be used to determine if dust management is required at closure;
 - Clarification of discharge criteria to be used for melting snow and precipitation within secondary contact berms of the fuel tanks;
 - Discussion on anticipated degradation rates at the proposed landfarm, and whether or not this will be sufficient to ensure no residual effects, and additional measures to be required to improve the rate of biodegradation;
 - Inclusion of discharge criteria for oil and grease in STP discharges to CP1;
 - Discussion on the final cyanide concentrations which could be discharged to the environment, taking into account that cyanide degradation products (cyanate, thiocyanate, and thiosalts) were not modelled; and
 - Timelines for progressive reclamation of the dry stack tailings.
 - Recommendations regarding the waste rock and overburden use in relation to the following specific issues:



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- Investigating the feasibility and practicality of segregating overburden during construction for use at closure; and
- Segregated overburden usage at closure to mitigate potential residual effects to vegetation by encouraging natural re-establishment of the plant community on site over time.

In its technical review comment submission, the KivIA indicated that they have either partially or completely resolved 16 of a total 27 issues with AEM through September 29, 2015 and October 2, 2015 teleconferences.

Aboriginal Affairs and Northern Development Canada (AANDC)

AANDC administers Crown land and resources and enforces regulatory permits affecting land and water resources in Nunavut, including enforcing the provisions of the water licences.

Reflecting AANDC’s responsibilities and jurisdiction, AANDC provided comment submissions on the completeness of the Application and also in their technical review. Specifically, AANDC requested additional information with respect to the freshet action plan, groundwater management plan and Acid Rock Drainage / Metal Leaching (ARD/ML) testing and sampling plan, fuel management plan and alternative assessment report/plans.

AANDC reviewed and commented on the following management plans:

- Water Management Plan;
- Mine Waste Management Plan;
- Spill Contingency Plan;
- Landfarm Management Plan;
- Landfill and Waste Management Plan;
- Hazardous Materials Management Plan;
- Mine Plan; and
- Reclaim Cost Estimate.

Specifically, AANDC provided the Board with comments and recommendations on the following issues:

- Recommendations regarding water management and monitoring programs in relation to the following specific issues:



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- Additional information related to the water treatment technology to be used (Water Treatment Plant-WTP) and its contaminant removal efficiency;
 - Discussion on potential groundwater seepages into the open pits;
 - Water management within lakes A9 and A38 that will potentially be impacted by open pit operations;
 - Details on the storage at surface of water from underground mine workings;
 - Discussion on potential for groundwater infiltration from the ore body, as observed within the underground workings during a recent AANDC site visit, given the potential for this groundwater to be saline on the basis of groundwater analysis to date, and how the mixing of groundwater with freshwater from surface will impact the work;
 - Discussion on how the sludge from the underflow (discharged during the last quarter of Year -1) may impact the Collection Pond 1 (CP-1) in the short or long term;
 - Explaining how water from the Emulsion Area will be transferred to the CP-1 pond;
 - Addition of water monitoring locations and frequency to the overall plan so as to address post-closure discharge points; and
 - Providing in the annual reports “Verification” monitoring results in addition to the “Regulatory” stations monitoring.
- Recommendations regarding waste disposal and management in relation to the following specific issues:
 - Design details of tailings storage facility (TSF);
 - Details on the chemical stability of the TSF and waste rock storage facilities (WRSF) in light of the precipitation data;
 - Contingencies for seepage potential of arsenic-impacted water from the tailings and waste rock storage facilities; and
 - Clarification on the type of asbestos materials that may be used during operations and its disposal in the landfill.
 - Re-evaluation of geochemical characterization program results since the mining plan is considered to be finalized;



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- Discussion regarding the operation of the landfarm, more specifically, related to the following:
 - Management of glycol/antifreeze;
 - Management of oversized material (i.e. rock, not soil) impacted with petroleum hydrocarbons;
 - Disposal of treated soil in the TSF if sewage sludge is used to augment the bio-treatment process;
 - Standards for treatment of contaminated soils to be applied;
 - Recommendation on the usage of treated soils for daily or interim cover only and not to be used in the preparation of the final cover; and
 - Discussion on analytical work to be undertaken for the confirmation of soil environmental conditions prior to relocating soils from within the landfarm.

On October 9, 2015, just prior to the TM/PHC, AANDC submitted their consultant's (ARCADIS) independent Closure Cost Estimate using Reclaim. However, AANDC indicated that they do not necessarily expect discussions on this issue during the TM/PHC as parties will need sufficient time for review, and as a result, detailed discussions of this information were deferred to after the TM/PHC.

Environment Canada (EC)

The focus of EC's involvement in respect of the Application is based on their jurisdiction under the *Canadian Environmental Protection Act, 1999* and the *Species at Risk Act* as well as EC's jurisdiction under the pollution prevention provisions of the *Fisheries Act*.

EC reviewed and commented on the following management plans:

- Water Management Plan;
- Aquatic Effects Monitoring Program;
- Mine Waste Management Plan;
- Explosives Management Plan;
- Landfarm Management Plan; and
- Landfill and Waste Management Plan.



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Specifically, EC provided the Board with comments and recommendations on the following issues:

- Recommendations regarding water management and monitoring programs in relation to the following specific issues:
 - Identifying contingencies for water treatment and discharge to be in place if water from H17 does not meet discharge criteria, and water treatment capacities to be available during pre-operations;
 - Information on any toxicity test evaluations done to date for simulated effluent or groundwater samples and proposed toxicity testing to be used during operations;
 - Describing the interim surface storage options for saline groundwater, and volumes of saline water anticipated to be needing management during this time;
 - Discussion on whether the Site Specific Water Quality Objectives (SSWQOs) referenced in the Water Management Plan are intended to be applicable to discharges to Meliadine Lake during operations or if Canadian Council Of Ministers of the Environment (CCME) guidelines would be used;
 - Discussion on water quality monitoring for all source waters that report to waterbody CP1;
 - Recommendations for Effluent Quality Criteria (EQC) parameters in addition to the Metal Mining Effluent Regulations (MMER) in order to include parameters which may vary due to modeling uncertainty and/or parameters which carry environmental concerns;
 - Discussion on predicted effluent concentrations and water quality at the edge of the mixing zone in Meliadine Lake, and monitoring and adaptive management to be implemented to detect changes and prevent impacts to Meliadine Lake productivity and associated issues;
 - Description of the approach used to establish baseline conditions in Meliadine Lake, baseline data to be used in the AEMP (study design) and how this data is representative of pre-mining conditions;
 - Sampling program to include reference areas during the under-ice period;
 - Clarifications on water quality sampling program (reference areas, frequency of sampling for all reference areas, and areas with water quality results triggering additional sampling at Reference Areas 2 and 3);



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- Potential for under ice season sampling as a part of the two times per year sampling program for the Peninsula Lakes;
 - Discussion on the selection of sampling sites for small and large bodied fish program;
 - Clarifying whether a control-impact (reference lake) design is to be used for the Peninsula Lake study or it is only a before-after design;
 - Discussion on plankton monitoring study; and
 - Discussion on Action Levels for the aquatic response framework.
- Recommendations regarding waste disposal and management in relation to the following specific issues:
- Discussion on potentially isolating and appropriately managing the tailings, waste rock, and overburden with higher concentrations of arsenic and/or zinc;
 - Describing geotechnical conditions associated with the presence of ponds that may affect the freezing of the foundation of the waste rock pile, and how climate change and thawing of the active layer will affect the foundation of the waste rock facility being built over water ponds;
 - Specifying the number of samples per 100,000 tonnes that will be used for waste rock characterization and monitoring and rationale for the sample number chosen;
 - Discussion on prevention and management of seepage into the ground below the ore pad;
 - Additional information related to the management and disposal of explosives residue in wastewater (emulsion plant, vehicle washing) and waste rock, and total loading of ammonia/nitrate into environment;
 - Additional information on erosion and sediment control, wastewater treatment and operational & maintenance; and
 - Integrity and performance of the landfarm liner, and its proper monitoring and maintenance.

4.0 Technical Meeting

The Technical meeting (TM) for the Application was held in person in Rankin Inlet, Nunavut, all day on October 14, 2015 and part of the morning of October 15, 2015. As is the Board's practice, the TM was an informal meeting and was chaired by David Hohnstein, the Board's



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Director of Technical Services. The meeting was attended by the Board staff, the Applicant, Interveners and community members. Representatives from EC and CanNor were unable to attend the TM in person, and instead attended via teleconference.

It should also be noted that, as is the Board’s normal practice, the Panel Members of the Board (Meliadine Panel, P15), the decision-makers for the Application, were not present at the TM, the Community Session or the subsequent PHC, having delegated the conduct of these meetings to the Board’s staff.

At the commencement of the TM the objectives of the meeting were outlined by the NWB’s Director of Technical Services as follows:

- Examine technical data and other materials submitted as part of the Application, including Interveners’ submissions that the Board had received to date for the Application;
- Informally discuss and resolve, to the extent possible, any technical matters / issues raised between Interveners and the Applicant, particularly those matters that could affect the Board’s determination of any PHC issues, in advance of the PHC;
- Provide an opportunity for the Applicant and Interveners to identify for the Board the issues and concerns that have been resolved and to discuss any unresolved or ongoing issues related to the Application;
- Identify opportunities for streamlining the issues and process so as to eliminate existing or potential duplication or delay; and
- Document any commitments made by the various parties involved in the TM, with the aim of carrying forward those commitments to the PHC.

The participants were advised that upon completion of the TM, the Board expected any outstanding issues in respect of the Application would be resolved, or if not resolved, that some form of agreement, including commitments would be provided by the parties to enable the Application to proceed to the next step of the licensing process, the Pre-Hearing Conference, notwithstanding any unresolved issues.

At the TM, the following topics were discussed:

- Water Use and Management
 - Contact and Non-contact Water Management
 - Hydrogeological Study and Saline Groundwater Management



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- Adaptive Management
- Designs of Water Management Infrastructure
- Waste Disposal and Management including tailings and waste rock disposal
 - Designs of Tailings Storage Facility and Waste Rock Storage Facilities
 - Thermal instrumentation within the final designs of Tailing Storage Facility
 - Wastewater treatment and cyanide detoxification
 - Effluent Quality Criteria
 - Dust Management
- Monitoring
 - Aquatic Effects Monitoring Program
 - Additional Baseline data
 - Verification and General Monitoring
 - Additional Monitoring Program Stations
 - Water Quality and Monitoring
 - Additional Monitoring Program Stations
- Quality Assurance / Quality Control
 - Duplicate Samples
 - Detection limits for different Monitoring Programs
- Closure and Reclamation Planning
 - Details on Tailings Storage Facility Cover, and Overburden potential use as a Cover for Tailing Storage Facility

At the completion of the TM, it was confirmed by all participants that there were no outstanding issues that would prevent the Board from moving forward to the next step of the licensing process in respect of the Application.

Commitments

In their October 9, 2015 submission filed with the Board, the Applicant made a number of commitments to address the concerns or issues raised by the Interveners in their technical



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comments filed with the Board. The NWB expects AEM to comply with the commitments provided in that submission.

During the TM, the Applicant and other parties also made additional commitments, and these commitments have been summarized in the Commitment List provided in [Appendix D](#) and attached to this Report. The Commitment List was reviewed and agreed to by the Applicant and Interveners in attendance at the TM. As previously noted, the NWB expects the Applicant or Interveners, where applicable, to comply with the commitments that have been provided.

5.0 Community Session

Recognizing that the TM is primarily aimed at discussing and addressing issues identified by the Applicant, Interveners and the NWB’s technical staff, the Board determined that the TM alone may not be sufficient to facilitate participation of the general public. As is the Board’s practice, following the scheduled first day of the technical meeting, a community session was held to provide additional opportunities to the members of the public to ask questions, provide comments, or give input.

The Community Session for the Application was held in person in Rankin Inlet, Nunavut in the evening of October 14, 2015. It was chaired by Stephanie Autut, the Board’s Executive Director with the assistance of David Hohnstein, Director Technical Services.

The Applicant and Interveners were in attendance at the Community Session, either in person or via telephone conference to address public comments and questions.

At the commencement of the Community Session, the NWB’s Executive Director outlined the following objectives of the meeting:

- To provide information to the community members about the water licence in relation to the Meliadine Gold Project;
- To facilitate participation from the general public;
- To encourage members of the public who are in attendance to ask questions relevant to Agnico-Eagle’s water licence application; and
- To provide opportunities to members of the public to share their comments and give their input.

As set out in [Appendix B](#), approximately 8 members of the public attended the Session. The Session commenced with an overview of the NWB process by NWB staff member. The Session



2AM-MEL---- Application for a new Type “A” Water Licence PHC Decision

proceeded with an overview of the Application provided by the Applicant, and short presentations by the Interveners summarizing their technical review comments.

The Session concluded with a question and answer session during which community members from Rankin Inlet were invited to ask questions of the Applicant, Interveners, and the staff of the NWB. Public members also expressed their concerns and provided comments with respect to the Application. Table 1 that follows provides a summary of the comments, issues and concerns expressed by members of the community throughout the TM/Community Session/PHC.

Table 1 Key Issues as Raised by Community Members

Topic	Issues/Concerns/Comments
Archaeological Sites	What measures are in place to avoid impacts to burial sites generally?
	What measures are in place during pre-construction to avoid potential impacts to burial sites?
Community Session	The presentation of the NWB is not understandable for Inuit community members. The presentation should be explained better to community members.
Carbon footprint	What is the potential carbon footprint of the project?
Construction activities	What activities are carried out during the pre-construction phase of the mine?
Spills	What measures are in place to minimize and avoid potential chemical spillage?
	What measures are in place to clean up potential spills of contaminants into water bodies?
	Does the Applicant have the resources necessary to clean a potential spill?
	What steps will be taken by federal or territorial agencies to enforce legislation or regulations prohibiting spills?



2AM-MEL---- Application for a new Type “A” Water Licence
PHC Decision

Topic	Issues/Concerns/Comments
	What enforcement roles do federal and territorial agencies have in preventing or prohibiting spills?
Impacts to traditional land use	Near the mine site, there is a major skidoo trail. What measures are in place to avoid or minimize mining activities from interfering with the local use of the skidoo trail?
Noise Impacts	The tundra topography provides limited natural noise barriers. Noise from the mine site and related activities are being heard by residents in Rankin Inlet. What are these noises and can they be reduced?
	What is the level of noise from mining activities, including blasting during active mining season?
	What measures are in place to minimize or avoid noise impacts to wildlife?
Inspection	What specific concerns have AANDC identified in relation to the Applicant’s proposed water management programs?
	Is AANDC satisfied with the Applicant’s responses?
Compliance and Enforcement	If this license is authorized, which federal or territorial agencies have authority to ensure compliance with the terms of this water license?
	What are the roles and responsibilities of federal and territorial agencies in enforcing the terms and conditions of the project certificate, licences/permits, approvals and authorizations for this Project?
Social Impacts	What measures are in place to mitigate against alcohol and drugs use on site?



2AM-MEL---- Application for a new Type “A” Water Licence PHC Decision

6.0 Pre-Hearing Conference

At the conclusion of the TM, the parties confirmed that there were no outstanding issues that would prevent the Application from proceeding to the next step in the licensing process, a Public Hearing. The Pre-Hearing Conference (PHC) portion of the Agenda proceeded in the morning of October 15, 2015.

The PHC was chaired by Stephanie Autut, the NWB’s Executive Director, with the assistance of the David Hohnstein, Director of Technical Services, and Cindy Kieu, Legal Counsel. The same parties who participated in the TM also attended the PHC.

The purpose of the PHC was to discuss the various matters as set out in Rule 14 of the *Rules* in preparation for the Public Hearing. Pursuant to Rule 14, the following matters were addressed through the PHC:

- To identify issues preventing application provide proceeding to a hearing;
- Procedures for the Public Hearing, including form, timing and location;
- To set a timetable for the Pre-Hearing exchange of information, including document translation requirements, documentation to be included in the hearing record;
- To finalize the list of issues to be dealt with at the Hearing;
- To identify interested parties;
- To consider the desirability of amending the Application for the purposes of clarification;
- To finalize procedures to be followed in the Hearing, including requested modifications to the applicable *NWB Rules of Practice and Procedure for Public Hearing* (May 2005), language requirements; and
- To consider any other matters that may aid in the simplification and disposition of the application at the Hearing.

Issues preventing the Application from proceeding to a Hearing

The Applicant and parties did not identify any issues that would prevent the Application from proceeding to the Public Hearing.

As a general note on the issue of security cost estimate, the NWB received recommendations from the Applicant and AANDC in advance of the TM and PHC. When the NWB inquired about KivIA’s view of the submissions, KivIA responded that they expect to provide the Board



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with their submissions on the issue of a global security cost estimate in November 2015 or shortly thereafter.

On the issue of water user compensation, KivIA indicated that they have been in discussions with AEM to negotiate a compensation agreement. However, the KivIA’s Board of Directors have not yet met to consider a proposed compensation agreement. The Board is not scheduled to meet and consider this matter until the 18th of January, 2016. As a result, KivIA submitted that they expect to provide this information to the Board following the meeting and in advance of the Public Hearing.

Procedures for the Public Hearing

The Applicant and parties participating in the PHC were polled on the issue of the timing for the Public Hearing. Generally, the parties were in agreement that the weeks of February 8th or February 15th would work with their respective schedules.

Parties were asked for their views on the location and form of the Public Hearing (written, teleconference or in-person). Recognizing the importance of public engagement in this phase of the project’s licensing, the Applicant, KivIA and AANDC favored an in person Public Hearing.

Noting budget and travel constraints, EC indicated a preference for a teleconference Public Hearing. The NWB staff acknowledged EC’s concerns but indicated that the decision as to form and venue of a Public Hearing must be based primarily on the considerations of the public review process as intended by the NLCA, including the importance of public engagement in the licensing process, and not on the fiscal or resource constraints of individual parties.

With respect to the location of the Public Hearing, on the basis that Rankin Inlet is the most directly affected community, the Board’s Meliadine Panel, P15, has decided, by Motion # 2015-22-P15-04, that an in person Public Hearing should be held in the Hamlet of Rankin Inlet.

At present, based on the time commitments outlined in the discussion of the exchange of documents set out below, the Public Hearing is tentatively scheduled for the week of February 8th, 2016. These dates are subject to final confirmation by way of the Public Notice to be issued on November 16, 2015, and the Board reserves the right to adjust this schedule if Hearing logistics dictate, if the documentation required to be supplied in advance of the Hearing has not been provided, etc.

The parties have confirmed that they do not anticipate that any deviations from the Board’s normal *Rules of Practice and Procedure for Public Hearings* (May, 2005) will be required, and



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as such, the Board directs all parties that the Public Hearing will be conducted in accordance with Parts III and IV of the *Rules*.

Timetable for Pre-Hearing Exchange of Information

It was noted at the beginning of this discussion that, as required by s. 55(2) of the *Nunavut Waters and Nunavut Surface Rights Tribunal Act* (NWNSRTA), the NWB must give the public and parties a minimum of sixty (60) days’ notice in advance of a Public Hearing.

In addition, in order to give the Board, all parties, and community members the opportunity to fully consider and respond to information in advance of the Public Hearing, the NWB staff encouraged parties intending to file submissions for the Public Hearing to do so at least 3 weeks in advance of the date of the Public Hearing (Final Submissions). Further, it was noted that parties generally benefit from the opportunity to provide written responses to Final Submissions. To this end, staff of the NWB strongly encouraged parties intending to file responses to the Final Submissions, to do so at least 2 weeks in advance of the Public Hearing. It was observed that this timeline should allow adequate lead time for parties to prepare for the Public Hearing.

Regarding the outstanding information requirements that must be supplied in advance of a Public Hearing, the NWB staff highlighted the timing that is outlined in the commitments prepared by the Applicant and filed with the Board on October 9, 2015 as well as the commitments provided in [Appendix D](#). The Applicant and parties in attendance confirmed that they will make every effort to ensure that the preparation and submission of additional information will not delay a potential Public Hearing.

On this basis, the Board has established a proposed timetable for the pre-hearing exchange of information as set below. However, the Board reserves the right to revisit the timing set out below in the event that parties are unable to meet the deadlines in the commitments, in response to the requests of the parties, the community, or as may subsequently be considered necessary by the Board. In establishing the following schedule, the Board was mindful that the parties and the Board indicated that the most feasible timing for an in person Public Hearing is likely the week of February 8th, 2016 (potentially February 10-11, 2016). Unless modified as outlined above, the Board requires the participants to observe the following timetable:

- On **November 16, 2015**, the NWB will issue Notice of the Public Hearing;
- All further and final written submissions to be provided by Interveners must be filed with the Board on or before **December 24, 2015**;



2AM-MEL---- Application for a new Type “A” Water Licence PHC Decision

- All further and final responses of the Applicant to the information filed to date must be filed with the Board on or before **January 8, 2016**;
- Any presentations (e.g. PowerPoint Presentations, etc.) upon which anyone intends to rely at the Public Hearing must be filed with the Board on or before **January 22, 2016**;
- If the Interveners and/or the Applicant file additional written submissions, final responses and presentation materials as outlined above, they are also required to provide **an Executive Summary of their written submissions in English, Inuktitut and French and fully translated copies of their presentation materials or final responses in English and Inuktitut at the same time** as they file the full submission; and
- The Board requires any party requesting French translation of any other component of the parties’ submissions, presentation materials and/or requesting the Board to provide simultaneous French translation at the Public Hearing to make such requests to the Board in writing **on or before November 30, 2015**.

All submissions will be posted on the NWB’s ftp-site (<ftp://ftp.nwb-oen.ca/>) and in the public registry upon receipt. A copy of the public registry as it relates to the Application will be available for review at the Public Hearing.

List of Issues

The intervening parties in attendance at the TM/PHC confirmed that none of the issues for discussion associated with the Application and the related information requirements should prevent the Board from proceeding with the Public Hearing.

At the end of the TM/PHC, the parties reviewed the following list of items for discussion at the Hearing and agreed that, subject to adding issues following the review of information that may be exchanged in advance of the Public Hearing, the following general topics should be items for discussion at the Public Hearing:

- Scope of the Licence
- Annual Reporting
- Security
 - Note that the NWB only received submissions from the Applicant and ANNDCC
- Water use and Management
 - Note that the NWB will require information on water user compensation



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- Waste Disposal and management including tailings and waste rock disposal, including parameters and discharge criteria
- Operations and Maintenance Planning and Procedures, including spill contingency planning
- Review and Comments on Updated and Revised Plans
 - Note that updated plans must be available for review prior to Public Hearing
- Closure and Reclamation Planning, including overburden storage and potential use
- Monitoring, including an Environment Management and Protection Plan, Aquatic Effects Monitoring Program, Water Management Plan, Groundwater Management and Monitoring Study, QA/QC Procedures, Detection Limits

Identification of Interested Parties

Summary listings identifying the attendees at the TM/Community Session/PHC (based on the sign in sheets completed at these sessions) are provided in [Appendix B](#) attached to this Report. During the PHC, the following parties confirmed their participation and attendance at the Public Hearing:

- The Applicant, Agnico-Eagle Mines Limited;
- The Kivalliq Inuit Association;
- Aboriginal Affairs and Northern Development Canada; and
- Environment Canada.

Further, the parties indicated that in addition to the general public notice, a specific invitation to the Public Hearing should be extended to the Hamlet Councils of Rankin Inlet, Baker Lake and Chesterfield Inlet, the local Hunters and Trappers Organization, as well as community members representing youth, Elders and women’s groups.

Regarding additional potential interested federal and territorial agencies, ministries or departments, the CanNor representative in attendance at the PHC indicated that the agency will follow up with the respective federal and territorial governments to encourage participation, where applicable.

Changes to the Application for the Purposes of Clarification

The Applicant and Interveners in attendance were canvassed regarding any potential changes to the Application, and they responded that there were no anticipated changes. Should any changes



2AM-MEL---- Application for a new Type “A” Water Licence PHC Decision

become necessary, any additional information that the parties wish the Board to consider during their review of the Application must be filed with the Board in advance of the Public Hearing and in accordance with the timelines outlined above under the heading “Pre-hearing Exchange of Information”.

Other Procedural Matters including Language Requirements

The Applicant and parties in attendance were polled and confirmed that there are no additional procedural matters or issues for consideration at the Public Hearing.

The staff of the NWB invited requests for translation and interpretation services at the Public Hearing. In response, the Applicant and the parties in attendance confirmed that they were satisfied with the Board’s provision of English and Inuktitut translation and interpretation services at the Public Hearing.

The NWB staff also confirmed that as a practice, the Board will provide notice of the Public Hearing in the official languages. The Notice will also invite any parties planning to participate at the Public Hearing to advise the Board of any language requirements, including translation and interpretation requirements by a specified date.

Measures to Simplify the Disposition of the Application

No comments or issues were identified with respect to measures to simplify the disposition of the Application.

Steps following the Public Hearing

No comments or issues were identified with respect to steps following the Public Hearing.

When the Panel has reached a decision, which is typically within thirty (30) to forty five (45) days of the close of the Hearing Record, the Board will issue its Record of Proceedings and Decision to the Minister of Aboriginal Affairs and Northern Development Canada. If the Panel recommends that the licence requested through the Application be granted, a draft Licence would also be provided for the Minister’s consideration with the decision.

If you require additional information regarding this Application, the Board’s specific direction or the Board’s processes in general, please do not hesitate to contact the NWB’s Director of Technical Services, David Hohnstein, david.hohnstein@nwb-oen.ca. For any administrative matters related to the Public Hearing, please contact the NWB’s Manager of Licensing, Phyllis Beaulieu, at licensing@nwb-oen.ca.



2AM-MEL---- Application for a new Type “A” Water Licence
PHC Decision

Regards,

Stephanie Autut
Executive Director
Nunavut Water Board

SA/kk/pb

Attachments:

- Appendix A: Technical Meeting, Community Session and Pre-Hearing Conference Agenda
- Appendix B: Summary Listing of Attendees at the Technical Meeting, Community Session and Pre-Hearing Conference
- Appendix C: List of Application Submissions
- Appendix D: List of Commitments Generated during the Technical Meeting/Pre-Hearing Conference held October 14 and 15, 2015 for Licence 2AM-MEL----, New Application



2AM-MEL---- Application for a new Type “A” Water Licence
PHC Decision

APPENDIX A: AGENDA

TECHNICAL MEETING, COMMUNITY SESSION AND PRE-HEARING CONFERENCE MELIADINE GOLD PROJECT

APPLICATION FOR A TYPE “A” WATER LICENCE 2AM-MEL----

OCTOBER 14-15, 2015

Technical Meeting

Date: October 14, 2015

Time: 8:30 AM – 5:00PM (CT)

Location: Rankin Inlet Community Hall

1. Introduction and Registration
2. Application to the Board, NWB Opening Remarks (15 Minutes)
3. Purpose of the Pre-Hearing / Technical Meeting
4. Technical Review of the Application
 - a. Agnico-Eagle Mines Ltd. presentation on the Project (30Min)
 - b. Identification of Interested Parties
 - c. Presentations from Interested parties (30min/party)
 - d. Discussion of Commitments to Address Technical Issues
 - e. Formulation of Outstanding Issues

Health Breaks – 20-30 minutes

October 14, 2015, 7:00 - 9:30 PM (CT)

Location: Rankin Inlet Community Hall

5. Community Session
 - a. Overview of NWB process by NWB (15 minutes)
 - b. Presentation of Application by Applicant (30 minutes)
 - c. Presentation/statements by Intervening Parties (15 minutes/party)
 - d. Questions and comments from community.

AGENDA (CONT.)

TECHNICAL MEETING, COMMUNITY SESSION AND PRE-HEARING CONFERENCE

MELIADINE GOLD PROJECT

APPLICATION FOR A TYPE “A” WATER LICENCE 2AM-MEL----

Date: **October 15, 2015**
Time: **8:30 AM (CT)**
Location: **Rankin Inlet Community Hall**

Continuation of Technical Meeting discussions if required

6. Pre-Hearing Conference
 - a. Identify issues preventing application from proceeding to a hearing
 - b. Discuss form, timing and location for any potential Public Hearing
 - c. Establish timetable for the pre-hearing exchange of information, including:
 - i. preparation and service of documents to parties (deadlines, form, public registry); and
 - ii. document translation requirements
 - iii. documentation to be included in the hearing record
 - d. Finalize list of issues to be dealt with at the Public Hearing
 - e. Identify interested parties
 - f. Identify any changes to Application for the purposes of clarification
 - g. Final procedures to be followed at the Public Hearing, including:
 - i. requested modifications to the applicable *NWB Rules of Practice and Procedure for Public Hearing* (May 2005)
 - ii. language requirements at the Hearing
 - h. Consider any other matters that may aid in the simplification and disposition of the Application at the Hearing
7. Other Issues
8. Closing of the Meeting

APPENDIX B: Summary Listings of Attendees at Technical Meeting, Community Session and Pre-Hearing Conference

In Person TM/Community Session/PHC, Rankin Inlet — October 14-15, 2015
Registration Forms

Wednesday, October 14, 2015

Technical Meeting Pre-Hearing Conference Meliadine Gold Project
Rankin Inlet, Nunavut
Day 1 Session

1 of 3

Registration Form

NO.	First Name	Last Name	Organization Representing	Address	Phone	Fax	E-mail
1	Don	Walker	AEM				
2	Asma	Young	AGM				
3	Blanchine	Arseneault	AEM				
4	Colleen	Prather	AEM				
5	Don	Charley	AEM				
6	WIGGL	Goldup	AEM				
7	Larry	Connell	AEM				
8	Raymond	Gugshun sr	NWB				
9	Ida	Porter	NWB				
10	Stephane	Arbuth	AEM				
11	Richard	Nesbitt	KIA-HESL				
12	Jim	Crisson	KIA				
13	Christine	Wilson	AANDC				
14	Mary Rose	Angashadluk	Interpreter				
15	Mary	Simmurtok	KIA				
16	Garth	COSTELLO	AANDC				
17	Tan	Parsons	AANDC				
18	Craig	Beardsall	KIA				
19	LLI's	MANZO	KIA				
20	Stephanie	Achut	NWB				
21	Maria	Sunn	KIA				
22	S. Stent						
23	Valerie		Golden (telephone)				
24	Michael		EC (telephone)				

October 14-15, 2015

Registration Form						
Name:	Last Name:	Organization Representing:	Address:	Phone / Fax:	E mail:	
25	Miragan	EC (via telephone)				
26	Tineki	Cannor (telephone)				
27	Jeffrey Pratt	AEM				
28	John Hickes	N.T.I.				
29	Charles ARCADIS	(via telephone)				
30	Robin Ikrohtskuk	Licensing NWB	Gjoa Haven	360-6338	360-6369	
31	Ida Porter	Licensing NWB	"	360-6338	360-6369	
32	Dave Hohnstein	DTS/NWB	"	360-6338	360-6369	
33	Karen Khachatryan	Tech Advisor	"	360-6338	360-6369	
34	Cindy Kien	Legal	"	360-6338	360-6369	
35	Ben Koryuk	Interpreter NWB	"	360-6338	360-6369	
36	Stephanie Autut	NWB / ED.	"	360-6338	360-6369	
37	Raymond Quachuan	NWB	Gjoa Haven	360-6338	360-6369	
38	Bernard KRAKO					
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October 14-15, 2015

In Person Community Session — October 14, 2015 Day 1 Evening Session
Registration Form

OCTOBER 14, 2015
EVENING

Technical Meeting Pre-Hearing Conference Meliadine Gold Project
Rankin Inlet, Nunavut
Community Session

1 of 3

Registration Form

NO.	First Name	Last Name	Organization Representing	Address	Phone	Fax	E-mail
1	SHIRLEY	KIRKWA	RANKIN INLET				
2	LUIS	MAIWO	KIA				
3	Craig	Bendall	KIA				
4	Richard	Nesbitt	HESL-KIA				
5	Dan	Walker	Golden/AEM				
6	Jan B.	Parsons	AANDC				
7	LAREN	COSTELLO	AANDC				
8	Maria	Sau	KIA				
9	GRAEME	DARGO	AGNICO EAGLE				
10	Jeffrey	Pratt	Agnico Eagle				
11	NIGEL	GOLDUP	AEM				
12	Stephanie	Autut	ED NWR				
13	Cindy	Kew	Legal NWR				
14	Michael	Mohammed	Environment Canada	(via telephone)			
15	David	Hoban	DTS - NWR				
16	Tina	Simmons	CanNor?	via telephone			
17	Karen	Khachatryan	TA - NWR				
18	Ida	Porter	LAT - NWR				
19	Rubin	Ikkatshuk	LA - NWR				
20	Ben	Kogvik	Interpreter - NWR				
21	Barbara	Angashuk	Translator	Rankin			
22	Cory	Francis	PIDU	Yellowknife			
23	Christine	Wilson					
24	Pallulaag	Friesen	Rankin Inlet	Box 366			pallulaag@gmail.com

pallulaag@jagat.com

October 14-15, 2015

OCTOBER 14, 2015
EVENING

Technical Meeting Pre-Hearing Conference Meliadine Gold Project
Rankin Inlet, Nunavut
Community Session

2 of 3

Registration Form

FIRST NAME	LAST NAME	ORGANIZATION				
25	Michael	Shaulice	Rankin In.			
26	KUSHUK	KUSHUK	Rankin			
27	Lori	Sinclair	Rankin			
28	Moni	Tegummar	Rankin			
29	Mandy	Summerton	KIA			
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October 14-15, 2015

Thursday, October 15, 2015

Technical Meeting Pre-Hearing Conference Meliadine Gold Project
Rankin Inlet, Nunavut
Day 2 Session

1 of 3

Registration Form

NO.	First Name	Last Name	Organization Representing	Address	Phone	Fax	E-mail
1	Don	Walker	Golden/AEM				
2	Richard	Nesbitt	WESL-KIA				
3	Ken	Gickson	KIA				
4	Luis	Manzo	KIA				
5	Blairline	Arseneault	AEM				
6	Larry	Conner	AEM				
7	NIGGL	Goedup	AEM				
8	KAREN	Costello	KANDC				
9	Tan P	Parsons	KANDC				
10	Lisha	Stosky	AEM				
11	Melissa	Tinko	EC				
12	Valerie	Bertrand	Golder	(via telephone)			
13	David	Hohnstein	NWB	Edmonton			
14	Stephane	Autut	NWB	Cocoa Haven			
15	Cindy	Kuu	Legal - NWB	Cadogan Etn.			
16	Garry	Kharshyan	NWB	Cocoa Haven			
17	Ben	Pogvik	NWB	Cocoa Haven			
18	Raymond	Angashuduk	Interpreter	Rankin Inlet			
19	(P. Inlet)	Ikutshuk	NWB	Cocoa Haven			
20	Ida	Porter	NWB	Cocoa Haven			
21	Jeffrey	Pratt	AEM				
22	Garry	Drake	AEM				
23	Raymond	Quashnum	NWB				
24	Mania	Serra	KIA				

October 14-15, 2015

Registration Form

	FIRST NAME	LAST NAME	ORGANIZATION	ADDRESS	PHONE	FAX	EMAIL
25	Jeff	Tulgeff	KIA	Box 340	645-5735		jtulgeff@kiainlet.ca
26	Veronica	Connelly	KIA	Box 340	645-5734	3855	vconnelly@kiainlet.ca
27	Mary Rose	Angashadlu	Interpreters	Box 508	645-3475		maryrose-tina@motiv.co
28	Jalka	Eliska	N.T.I.				
29	Myra	Arbore					
30	Shirley	Arkw					
31	Alicia	Nahalolik	AEM	Box 622	645-3475		alicia-alisa-nahalolik@kiainlet.ca
32	Stephan	Robert	AEM				
33	Mandy	Summurtak	KIA				
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October 14-15, 2015

APPENDIX C: List of Application Submissions

The following documents were included with the Application:

1. Cover Letter and Application form dated May 2015;
2. \$30 application fees;
3. Type A Water Licence Application Main Application Document and;
4. The following Environmental Management Plans;
 - Meliadine Gold Project Mine Plan dated April 2015 (*Inuktitut & English*);
 - Screening Report – Revised Project Design Type-A Water Licence – Meliadine Gold Project, Nunavut dated April 2015;
 - Meliadine Gold Project, Water Management Plan dated April 2015;
 - Meliadine Gold Project, Mine Waste Management Plan dated April 2015;
 - Meliadine Gold Project, Ore Storage Management Plan dated April 2015;
 - Meliadine Gold Project, Spill Contingency Plan dated April 2015;
 - Meliadine Gold Project, Landfarm Management Plan dated April 2015;
 - Meliadine Gold Project, Roads Management Plan dated April 2015;
 - Meliadine Gold Project, Borrow Pits and Quarries Management Plan dated April 2015;
 - Meliadine Gold Project; Landfill and Waste Management Plan dated April 2015;
 - Meliadine Gold Project, Incineration Management Plan, including Dust Management Plan dated April 2015;
 - Meliadine Gold Project, Hazardous Materials Management Plan dated April 2015;
 - Meliadine Gold Project, Explosives Management Plan dated April 2015;
 - Meliadine Gold Project, Preliminary Closure and Reclamation Plan dated April 2015;
 - Meliadine Gold Project, Environmental Management and Protection Plan (EMPP) dated April 2015;
 - Meliadine Gold Project, Aquatic Effects Monitoring Program (AEMP) Design Plan 6513-REP-03 dated April 2015
 - Meliadine Gold Project, Quality Assurance / Quality Control Plan dated April 2015;
 - Meliadine Gold Project, Public Engagement and Consultation Baseline Report April 2015;
 - Meliadine Gold Project, Risk Management and Emergency Response Plan dated April 2015;
 - Reclaim Model dated September 2015;
 - Master Concordance Table Meliadine Type A Water Licence.

APPENDIX D: List of Commitments Generated during the Technical Meeting/Pre-Hearing Conference held October 14 and 15, 2015 for Water Licence Application No.: 2AM-MEL----

No.	Party Responsible for Commitment	Party(s) who raised (Item#)	TM Commitment	Timeline for Submission	Form of Submission
1	AEM	AANDC (Arcadis 2)	Management of Lakes A9 and A38 will be added to the next revision of the Water Management Plan (WMP).	Within 60 days after issuance of the licence	Updated Water Management Plan
2	AEM	AANDC (Arcadis 3(2, 4))	Hydrogeological study results including Saline Water Management shall be provided to the NWB. If any information from the study becomes available before January 2016, AEM will make this information available to the NWB.	January 2015	Hydrogeological Study Report
3	AEM	AANDC (Arcadis 3(3))	Detailed designs of dikes and channels to be submitted to the NWB.	At least 60 days prior to construction	Design Plan
4	AEM	AANDC (Arcadis 3(9))	Adaptive management shall be included within the next revision of WMP to deal with potential high concentrations of Arsenic in Collection Pond – 1 (CP1).	Within 60 days after issuance of the licence	Updated Water Management Plan
5	AEM	AANDC (Arcadis 3(11))	Water monitoring frequency (table 9.1) shall be added in the next revision of the WMP.	Within 60 days after issuance of the licence	Updated Water Management Plan
6	AEM	AANDC (Arcadis 3(12))	Regulatory and Verification monitoring shall be provided within Annual Reporting to the NWB.	Annually, by March 31 st of the following year	Annual Reports
7	AEM	AANDC (Arcadis 4)	Details for thermal instrumentation and monitoring shall be provided within the final design of the Tailings Storage Facility (TSF).	At least 60 days prior to construction	Design Plan
8	AEM	KivIA-WL-01	Investigate the designs of overburden waste rock storage to minimize the loss of overburden whenever it is possible to allow for its use as closure material. AEM has committed to revisiting their design of the main overburden waste	At least 30 days prior to Public Hearing (PH)	Technical Memorandum

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			rock storage facility to determine if a portion of the 7.4 M tonnes of overburden removed prior to mining of the Tiriganiaq open pits can be placed in a manner within the same overburden/WRSF footprint that would permit later recovery of this overburden for use in mine site reclamation purposes.		
9	AEM	KivIA-WL-05	Saline Groundwater Management Plan shall be provided to the NWB at least 6 months prior to discharge of saline water into the environment.	At least 6 months prior to discharge	Saline Groundwater Management Plan
10	AEM	KivIA-WL-07	The NWB shall be updated with the Monitoring Program Stations' numbers around the diffuser in mixing zone.	At least 30 days prior to PH	Technical Memorandum
11	AEM	KivIA-WL-10	AEM will provide additional discussion in the QA/QC Plan about duplicate samples as per AEM response to KivIA comment. AEM will provide in the Aquatic Effects Monitoring Program (AEMP) Annual Reporting a discussion on the differences in the analysis of data including flagged samples and excluding flagged samples in the narrative. Updated QA/QC Plan shall be provided to the NWB.	AEMP Annual Reporting, QA/QC Plan to be provided at least 30 days prior to PH	Annual Reporting, Updated QA/QC Plan
12	AEM	KivIA-WL-12	The fish tissue baseline report shall be updated to include an evaluation of how the fish tissue data compares with the historical data, and discuss any changed predictions of project impacts presented in the FEIS should newer data diverge from historical data. An updated AEMP shall be provided to the NWB for approval prior to construction.	June 2016 or prior to construction	Updated Aquatic Effects Monitoring Program (AEMP)
13	AEM	KivIA-WL-15	Monthly samplings of aquatic monitoring at stations MEL_05, MEL_06 and MEL_07 shall be conducted. The samplings will be carried out in open water season during construction and a minimum of 2 years during operation. AEM may adjust monitoring frequency after 2 years. AEM has committed to include MEL_05, MEL_06 and MEL_07 in the annual reports for review by regulators and	On-going as a part of Verification Monitoring	Updated Aquatic Effects Monitoring Program

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			<p>stakeholders. Samples collected from these three sites will be compared to CCME water quality guidelines or baseline concentrations for those naturally exceeding CCME guidelines for the protection of aquatic life. If samples indicate water quality concentrations are within a percent of background concentrations (as to be proposed by AEM) or approaching CCME where appropriate, AEM's low action level response will be:</p> <ul style="list-style-type: none"> • To re-categorize the specific location of concern as a General Aquatic Monitoring Station, • Include the location as an additional station in the Aquatic Environment Monitoring Program, • Investigate the source of contamination, and • Mitigate the source to prevent further contamination of the water body. 		
14	AEM		<p>The QA/QC Plan shall be updated to include detection limits for parameter suits associated with different monitoring programs. These detection limits will apply to all contracted analytical laboratories for water quality samples collected at:</p> <ul style="list-style-type: none"> • General Aquatic Monitoring Stations, • Aquatic Environment Monitoring Program Stations, • Regulated Monitoring Stations, and • The MEL_05, MEL_06 and MEL_07 Verification locations. 	At least 30 days prior to PH	Updated QA/QC Plan
15	AEM	KivIA-WL-17	All dust fall monitoring stations and locations shall be included within the Dust Management Plan prior to any material being placed in the Tailings Storage Facility	This subject matter is outside of NWB	

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			taking into consideration the aforementioned considerations in sample location selection. See KivIA-WL-20: Incinerator Dust Fall Monitoring for more requirements for dust fall monitoring. A map of all existing and proposed dust fall monitoring stations and the sources they are intended to track during operations shall be provided.	jurisdiction and is covered under NIRB PC [006]	
16	AEM	KivIA-WL-18	AEM will include A discussion of thresholds for dust management shall be included within the next iteration of the Closure Plan.	This subject matter is outside of NWB jurisdiction and is covered under NIRB PC [006]	
17	AEM	KivVIA-WL-23	Cyanide detoxification shall be added to the treatment plant (in addition to what is used at the mill) if they are unable to meet the cyanide discharge criteria. AEM shall recirculate effluent that does not meet discharge criteria and store it in CP1 until the treatment system has been installed and is operational.	On-going as a part of adaptive management	
18	AEM	KivIA-WL-25	AEM will apply to the Government of Nunavut to approve application of saline groundwater originating from the Meliadine Site as a dust suppressant prior to its use. The GN acceptance letter should be provided to the NWB.	Once available	
19	KivIA	NWB	The NWB shall be provided with a confirmation that there are no outstanding issues in relation with Water User Compensation under s. 63 of <i>Nunavut Waters and Nunavut Surface Rights Tribunal Act (NWNSRTA)</i> .	Prior to PH	Letter
20	AEM, EC	EC-6	AEM will work with EC to recommend Effluent Quality Criteria (EQC) that may include parameters in addition to the Metal Mining Effluent Regulations (MMER) in order to include parameters, which may vary due to modeling uncertainty and/or parameters that may have environmental	At least 30 days prior to PH	Technical Memorandum

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			concerns.		
21	AEM, EC	EC-7	AEM will work with EC on whether the oligotrophic status of the basin of the lake should be maintained and a lower objective of 0.01 mg/L used for Total Phosphorus. Description of the monitoring and adaptive management to be implemented to detect changes and prevent impacts to lake productivity and associated issues.	At least 30 days prior to PH	Technical Memorandum
22	AEM, EC	EC-9	AEM will work with EC on the issues relating to a sampling program to include reference areas during the under-ice period in order to provide data needed to detect mine-related effects in the receiving environment.	At least 30 days prior to PH	Technical Memorandum