



## MEETING NOTES

NUNAVUT WATER BOARD

Date: September 26, 2017

Exhibit No.: 10

TO INAC, Agnico Eagle, Golder Associates Ltd.

MEETING  
DATE September 14, 2017

### GOLDER DOCUMENT NO. 145

### MEETING NOTES - WHALE TAIL PIT – RESPONSE PACKAGE CLARIFICATIONS

<b>Date and Time:</b>	Thursday Sept 14, 2017 13:15 – 14:00	Conference Call	
<b>Attendees:</b>	<b>INAC:</b>	<b>Agnico Eagle:</b>	<b>Golder Associates:</b>
	Karen Costello	Jamie Quesnel	Valérie Bertrand
	Rachel Théorêt-Gosselin	Ryan Vanengen	
	Julia Prokopick		

A conference call occurred on September 14, 2017 between Indigenous and Northern Affairs Canada (INAC), Agnico Eagle Mines Limited (Agnico Eagle) and Golder Associates Ltd. (Golder), for Agnico Eagle to obtain clarification on and possibly resolve issues that appear to remain unresolved based on INAC's Final Hearing Presentation to the Nunavut Impact Review Board (NIRB).

The call addressed INAC responses FC#1 b, FC#2 a, and FC#3 a, b and c. The following summarizes discussion points, agreements made during the call, proposed modifications by Agnico Eagle subsequent to the call and the outcome for each issue.

**INAC FC#1 b.** Waste Rock Storage Facility (WRSF) seepage management where INAC recommends update of the seepage monitoring plan to ensure prolonged and intensive monitoring of the WRSF seepage which is to be provided as part of the water licensing process. INAC feels that the response from Agnico Eagle does not address INAC's request to provide i) a detailed evaluation of the risk to Mammoth Lake water quality from WRSF contact water quality post-closure, ii) inclusion of a contingency plan with contingency measures to ensure seepage water quality post-closure remains below the effluent discharge criteria, and iii) that these be provided as part of the water licensing process.

**Discussion:** Agnico Eagle indicated that they are committed to updating all Management Plans 60 days prior to operation (expected to be on or about Q1 2019). This will include updated Water Quality Monitoring Plans (WQMP) that will include details monitoring of contact water quality from WRSF. It is understood that INAC will be wanting intensive monitoring of the WRSF seepage to inform on water quality. The WQMP will include a detailed evaluation of the risks associated with WRSF seepage to water quality of Mammoth Lake and include contingency plans and appropriate measures should WRSF pond water quality (actual or predicted) not meet expectations.

After internal discussion, Agnico Eagle proposed to advance submission of updates to Management Plans sooner than what was proposed on the call, to 60 days after issuance of Type A Water License anticipated to be on or about Q4 of 2018 pending the timing of NIRB certificate issuance and NWB Water License approval.



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**Outcome:** This commitment satisfies INAC and the issue is now considered resolved.

**INAC FC#2 a. Revised Thermal Modelling:** INAC recommends re-calibration and re-running of thermal models using observational data from Meadowbank and that this be provided as part of the water licensing process. INAC is questioning the timing of model re-run proposed by Agnico Eagle.

**Discussion:** Agnico Eagle has committed to re-calibrate the model and re-run the thermal model with stabilized thermal data from Meadowbank WRSF; these data will be available at the end of the year 2017. The model would be re-run with these data and results will be available in Q1 2018 prior to mine construction, pending timing of NIRB certificate issuance and NWB Water License approval. Results will be used to validate or correct the WRSF cover design.

**Outcome:** This commitment satisfies INAC and the issue is now considered resolved.

**INAC FC#3 a. Hydrogeological Characterisation Study** be done to validate hydraulic gradients and arsenic diffusion.

**Discussion:** Agnico Eagle has committed to provide a study design to carry out a hydrogeological evaluation to be implemented in the 2018 summer field season. The results of this investigation will be available in Q1 2019. Results will include a discussion on whether the new data support the conceptual site water quality model and GoldSim site water quality model input assumptions.

**Outcome:** This commitment satisfies INAC and the issue is now considered resolved.

**INAC FC#3 b. Meromixis Evaluation:** if results from additional studies show concerns, quantitative analysis of stable meromictic conditions should be performed. INAC wants an updated analysis of flooded pit lake water quality predictions prior to pit development and sees a contradiction in the timing to provide this information proposed by Agnico Eagle in response to NWB and NIRB.

**Discussion:** Agnico Eagle indicated that the ask from INAC to NWB and to NIRB is slightly different and clarified that the hydrogeological study can be completed 60 days prior to construction but that the timing to the start of open pit development planned for July 2019 (pending timing of NIRB certificate issuance and NWB Water License approval) is very short to complete the rest of the analyses prior to pit construction (which would include updated hydrogeological modelling followed by hydrodynamic modelling, followed by an update to the mine site and downstream lakes GoldSim water quality model). Agnico Eagle is to meet with INAC to discuss the study schedule prior to the Final Hearings.

After internal discussion, Agnico Eagle agreed to meet the timing request of INAC and provide hydrodynamic modelling, meromixis evaluation of the flooded pit lake, site and downstream water quality model update to NWB 4 months prior to operation, expected to be by Q1 2019, pending timing of NIRB certificate issuance and NWB Water License approval.

**Outcome:** This commitment satisfies INAC and the issue is now considered resolved.



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**INAC FC#3 c. Monitoring Plan:** INAC recommends Water Quality Monitoring Plan be update to ensure intensive monitoring of the flooded pit. INAC clarified they are looking for intensive monitoring and that this Plan should be provided as part of the water licensing process.

**Discussion:** Agnico Eagle will update the WQMP 60 days prior to operation (expected to be on or about Q1 2019). The Plan will include a detailed monitoring schedule of open pit water quality during operation, flooding and when fully flooded along with a decision framework detailing contingency measures should water quality not meet expectations.

After internal discussions, Agnico Eagle proposed to advance submission of the updated Water Quality Monitoring Plan to 60 days after issuance of Type A Water License anticipated to be on or about Q4 of 2018, pending the timing of NIRB certificate issuance and NWB Water License approval.

**Outcome:** This commitment satisfies INAC and the issue is now considered resolved.

