



**List of Commitments Resulting from the Technical Meetings held on January 11-12, 2021
for the Saline Effluent Discharge to Marine Environment, Rankin Inlet, Meliadine Gold Mine, Nunavut**

No.	Party Responsible for Commitment	Party(s) who raised (Item#)	TM Commitment	Timeline for Submission	Form of Submission	Status
1.	Agnico Eagle	KHTO	Agnico Eagle commits to testing the line prior to each discharge season. The details of the type of tests will be presented in a management plan in accordance to commitment to CIRNA-TCR-09.	60 days prior to the commissioning of the Waterline.	Management Plan	Approved by concerned party
2.	Agnico Eagle	CIRNA (CIRNAC-TRC-08) & Northlands Denesuline First Nation and Sayisi Dene First Nations	Agnico Eagle commits to providing additional details on the operation of the fiber optic leak detection system with a specific example where it is in operation. The technical memorandum will include information on how the Leak Detection System will be tested during Caribou migration, and calibration of background noise around the waterline.	January 14, 2021	Technical Memorandum	Partially approved by concerned party (text highlighted in yellow was added).
3.	Agnico Eagle	KivIA	Agnico Eagle will provide the results of 2020 Height of Land Surveys results within the Annual Report.	March 31, 2021	Annual Report.	Approved by concerned party
4.	Agnico Eagle	KivIA (KivIA-TC- 16)	a. Agnico Eagle in consultation with the Terrestrial Advisory Group (TAG) will revise the Terrestrial Environment Management and Monitoring Plan (TEMMP) for the Meliadine Project. The revision will include additional details on monitoring and analysis of caribou movement through the Meliadine project AWAR/waterlines corridor taking into consideration options such as: geo-fencing, GPS collar tracking (which the Government of Nunavut will make its best efforts to provide), camera study, KHTO road monitoring, and site visits by Elders. It will also show how this monitoring will feed into the adaptive management of project operations, taking into consideration seasonal caribou movement through the corridor. This next version of the TEMMP will be revised following the establishment of the Terrestrial Advisory Group, and the receipt of advice from the Terrestrial Advisory Group on potential appropriate Terrestrial Environment Management and Monitoring Plan revisions and/or special studies taking into consideration the changes to the corridor.	a1. TAG Terms of Reference on February 12, 2021 a2. First TAG meeting by May 2021	Revised TEMMP	Partially approved by concerned party (Timeline for submission to be approved)



			b. Regarding establishing a Terrestrial Advisory Group for the Meliadine Project, the recommended T&C from Government of Nunavut is supported (GN-TRC-06; 1 to 2).	b. Post approval of Project Certificate		
5.	Agnico Eagle	KivIA (KivIA-TC- 17)	a. Agnico Eagle will provide details on the proposed side slope of the covered waterlines on February 5, 2021.	a. February 5, 2021	Report to the NIRB and NWB	Approved by concerned party
			b. Agnico Eagle will provide details on the actual side slopes (“as built”) within 6 months of completion of the waterline construction.	b. Within 6 months of completion of the Waterline construction.	Report to the NIRB and NWB	Approved by concerned party
6.	Agnico Eagle	KWB (KWB-TC-02)	Agnico Eagle agrees to discuss further with KWB on potential impacts to lakes from potential spills along the AWAR following receipt of KWB’s comments on the lakes of concern, per KWB-TRC-02.	February 4, 2021	Meeting minutes and response by KWB.	Approved by concerned party
7.	Agnico Eagle	GN (GN-TRC-06)	AEM will collaborate with the Government of Nunavut through the Terrestrial Advisory Group in evaluating a remote triggered camera program to estimate levels of project-related and public traffic, at various points along the all-weather-access-road during June, July and August. A primary objective of this program will be to support caribou effects monitoring and potentially replace existing monitoring requirements that are duplicated.	After first TAG meeting by May 2021 (Ref. Commitment 4 part a2)	Meeting minutes	Partially approved by concerned party (review timeline for submission)
8.	Agnico Eagle	KivIA	Agnico Eagle commits to include HTOs and Northlands Denesuline First Nation and Sayisi Dene First Nations in the Terrestrial Advisory Group of the project.	TAG Terms of Reference on February 12, 2021 (Ref. Commitment 4 part a1)	TAG terms of Reference	Approved by concerned parties
9.	Agnico Eagle	BLHTO	During the construction phase, Agnico Eagle commits to no open trenches during the caribou migration. Agnico Eagle will advance construction by sections and consider caribou migration into the construction schedule.	Construction phase	Agnico will include practice in the 60-day construction notice and photos	Approved by concerned party
10.	Agnico Eagle	NIRB	Agnico Eagle commits to provide the Camera Study Report as part of the Annual Report.	March 31, 2021	Annual Report	Approved by concerned party
11.	Agnico Eagle	NIRB, BLHTO	Agnico Eagle will provide the locations of the laydown areas and estimated dates when these will be put in place in accordance to the KivIA production lease.	January 15, 2021	Technical Memorandum	Approved by concerned party



12.	Agnico Eagle	Northlands Denesuline First Nation and Sayisi Dene First Nations	The next version of the TEMMP will be revised following the establishment of the Terrestrial Advisory Group, and the receipt of advice from the Terrestrial Advisory Group on potential appropriate TEMMP revisions and/or special studies taking into consideration the changes to the corridor.	After first TAG meeting by May 2021 (Ref. Commitment 4-part a2).	TEMMP	Approved by concerned party
13.	Agnico Eagle	Northlands Denesuline First Nation and Sayisi Dene First Nations	Agnico Eagle will provide a list of the various TEMMP documents that have been/will be submitted.	February 5, 2021	Table	Approved by concerned party
14.	Agnico Eagle	BLHTO/ KHTO	Agnico Eagle will have a discussion with KHTO and BHTO and other interested parties (KivIA, Government of Nunavut, KWB) to discuss the no hunting zone near AWAR.	Meeting with KHTO scheduled for February 10, 2021	Meeting Minutes	Approved by concerned party
15.	Agnico Eagle	KivIA	a. A call will be held with interested parties to review the framework of the Adaptive Management Plan. (KivIA, ECCC, CIRNA). The Adaptive Management Plan will include a decision tree specifying the conditions under which surface water will be diverted into the saline effluent waterlines for marine disposal and the volumes that will be diverted under those conditions. The decision tree will be designed such that discharges to Meliadine Lake are minimized	January 21, 2021		Approved by concerned party.
			b. Agnico Eagle will provide an update on the framework of the Adaptive Management Plan.	February 5, 2021		
16.	Northlands Denesuline First Nation and Sayisi Dene First Nations	AEM SDFN-TC-01 SDFN-TC-02 SDFN-TC-03 SDFN-TC-04	SDFN would provide an update on the status of the review of the documents provided last week (two technical memorandums).	January 29, 2021		Resolved by the Dene with commitments



17.	Government of Nunavut	Agnico Eagle	<p>a. The Government of Nunavut commits to developing and finalizing a Research Contribution Agreement (Including a Data Sharing Agreement) in collaboration with Agnico Eagle in which GN agrees to provide caribou and wildlife data collected by GN as part of its regional monitoring programs promptly upon request by Agnico Eagle without need for further agreement, in a form that can be used by Agnico Eagle to carry out the monitoring and analysis required by the TEMMP, with appropriate and reasonable data sharing restrictions which enable Agnico Eagle to share its analysis with the NIRB and members of the TAG. GN commits that it will make its best efforts to include in its collaring program of the herds which may interact with the Meliadine Project collars a “geofencing” function. Collars with a geofencing function will provide better data for both GN and Agnico Eagle to analyze caribou movement through and near the Meliadine Project as well as support ongoing GN regional monitoring.</p>	<p>a1. Agreement on the wording of the commitment, January 19, 2021</p> <p>a2. Agreement completed by Mid-March and data should be provided annually or upon request.</p>	Shape files	Agnico Eagle has not received comments from the GN
			<p>b. Agnico Eagle will carry out all monitoring required by the TEMMP and if in addition to monitoring, any research is to be carried out then research permits will be sought from the GN before any such research is carried out. GN confirms that monitoring required by a Project Certificate is not considered “research”.</p>	<p>b. Annually as part of the Annual Report</p>		
18.	Agnico Eagle	KHTO	<p>Agnico Eagle agrees to provide the 2020 field data from the camera-monitoring program to the KHTO, subject to a mutually acceptable Data Sharing Agreement (DSA) to be negotiated and signed by Agnico Eagle and the KHTO.</p>	<p>Prior to the Pre-Hearing Conference</p>	Documents	New Commitment
19.	Agnico Eagle	KivIA, NTI	<p>Agnico Eagle commits to submitting a draft Spill Contingency Plan with all updates in advance of PHC. The update will include: Waterline installation above ground vs. covered (80-90%). Management of spills around the bridges or near the river and worst-case scenario.</p>	<p>February 5, 2021</p>	Management Plan	New Commitment
20.	HC	Agnico Eagle	<p>Health Canada to provide comments to the HHRA updated submitted on January 12, 2021.</p>	<p>Prior to the Pre-Hearing Conference</p>	Email	New Commitment
21.	Agnico Eagle	KHTO	<p>Agnico Eagle commits to meet with KHTO to discuss the side slopes on a certain number of traditional land use crossing of the waterline.</p>	<p>Meeting with KHTO scheduled for February 10, 2021</p>	Meeting Minutes	New Commitment



Update on Technical Comments Commitments post technical meetings of January 11-12, 2021

Table 2: Summary of the Technical Comments Status and Commitments

Intervenors	Numbers of TCs	Resolved TCs	Outstand TCs	Completed commitments	Annual Report or Post-approval commitments or After first meeting of the TAG
BLHTO	3	3	0	0	0
CIRNAC	10	10	0	3	2 (Ref. CIRNA-TRC-03, CIRNA-TRC-09)
DFO	2	2	0	0	0
ECCC	2	2	0	0	0
GN	8	8	0	0	3 (Ref. GN-TRC-06, GN-TRC-07, GN-TRC-08)
HC	1	1	0	1	0
KivIA	17	17	0	0	2 (Ref. KivIA-TC- 14; KivIA-TC- 16)
KHTO	0	0	0	0	0
KWB	4	3	1	3	1 (Ref. KWB-TC-02)
SDFN	4	4	0	3	0
TC	3	3	0	0	0
NTI	1	1	0	0	0
NIRB	0	0	0	0	0
Total	55	54	1	10	8

**Table 3: Detailed Technical Comments Status and Commitments**

ID	Theme/ Subject	Status	Commitments
BLHTO- TRC-01	Terrestrial Wildlife/ Caribou	Resolved	
BLHTO- TRC-02	Process	N/A	TC addressed to NIRB
BLHTO- TRC-03	Process	N/A	TC addressed to GN
CIRNAC-TRC-01	Clarification of Underground Mine Groundwater Inflows	Resolved	Agnico Eagle commits to updating the Groundwater Management Plan to clarify discrepancies between 2014 FEIS groundwater inflows prediction and 2020 FEIS Addendum.
CIRNAC-TRC-02	Surface Contact Water Discharge via Waterline to Melvin Bay	Resolved	Agnico Eagle <u>provided</u> a Hydrodynamic model sensitivity analysis with low TDS level and Adaptive Management Plan. Agnico Eagle commits to updating the Groundwater Management Plan to provide further details on the Meliadine Gold Mine project activity of mixing and treating various contact water sources at site 30 days after approval of the issuance of the amended Project Certificate. 006, Amendment 001.
CIRNAC-TRC-03	SETP Increased Treatment Capacity and Relevant Contingency Plan	Resolved (Submission as part of the Annual Report)	Agnico Eagle commits to updating the Water Management Plan to include the multiple options for the management of the increased volume of sludge.
CIRNAC-TRC-04	Process Modifications to Avoid Non-Compliance Issues	Resolved	Agnico Eagle <u>provided</u> a scenario of the volume of non-compliant water that could potentially be discharged to the ocean from the time a sample is collected, a result is reported by the laboratory, and a response is initiated/actioned.
CIRNAC- TRC-05	Water Quality and Load Balance Conceptual Model	Resolved	
CIRNAC- TRC-06	Waterline Failure Modes and Potential Effects Assessment	Resolved	



CIRNAC-TRC-07	Potential Impacts of Saline Water to Ice-Rich Soils	Resolved	
CIRNAC-TRC-08	Monitoring and Prevention of Waterline Spills Using Fiber Optic Leak Detection System	Resolved (Ref. List of Commitments, No. 2)	Agnico Eagle <u>provided</u> additional details on the operation of the fiber optic leak detection system with a specific example where it is in operation.
CIRNAC-TRC-09	Annual Waterline Shutdown and Restart Plan	Resolved (Ref. List of Commitments, No. 1)	Agnico Eagle commits to integrate the operation and maintenance component of the Waterline system into an existing management plan. This plan will be submitted 60 days prior to the commissioning of the Waterline.
CIRNAC-TRC-10	Closure and Reclamation Plan Related to Burial of the Waterline	Resolved	
DFO-TRC- 01	Waterline Pipe Installation	Resolved	
DFO-TRC- 02	Construction/Installation of discharge waterline and diffuser	Resolved	
ECCC-TRC- 01	Monitoring in the Marine environment	Resolved	
ECCC-TRC- 02	Drainage reductions	Resolved	
GN-TRC-01	Potential impacts from effluent spill to terrestrial surface water	Resolved	
GN-TRC-02	Bioaccumulative potential of contaminants in treated effluent	Resolved	



GN-TRC-03	Identification of marine and avian wildlife receptors in vicinity of treated effluent discharge consumed as country foods	Resolved		
GN-TRC-04	Consumption of marine and avian wildlife and country foods by Nunavummiut	Resolved		
GN-TRC-05	Terrestrial Wildlife /Caribou Behavioral Monitoring	Resolved	1 to 2	See 6.1-3 below
GN-TRC-06	Terrestrial Wildlife/ Caribou Monitoring	Resolved (Ref. List of Commitments, No. 4, part a and b)		Recommended T&C: The Proponent establish a Terrestrial Advisory Group (TAG) for the Meliadine Project. The purpose of the TAG is to provide the Proponent and NIRB with advice relating to the revision, implementation and reporting for the Terrestrial Environment Management and Monitoring Plan (TEMMP) for the Meliadine Project. Membership of the TAG shall include organizations with regulatory responsibilities for terrestrial wildlife and relevant wildlife co-management organizations. A term of reference for the TAG is to be developed within 6 months after the issuance of the Project Certificate based on agreement amongst the members.



			1.1-3	<p>Recommend Commitment: Agnico Eagle Mines (AEM) will revise the Terrestrial Environment Management and Monitoring Plan (TEMMP) for the Meliadine Project to include details of the AWAR Road Survey, Caribou Collaring, and Caribou Behavioral Monitoring programs before 2021 annual report, as requested by the GN in its Technical Review Comment 6 (parts 1.1 to 1.3) during NIRBs review of the FEIS Addendum. All of the revisions will consider the advice provided by the Terrestrial Advisory.</p>
			2	See Commitment above
			3 & 4	<p>Proposed commitments: AEM shall revise the Terrestrial Environment Management and Monitoring Plan (TEMMP) for the Meliadine Project to update a decision tree that specifies the frequency of AWAR road surveys that will be conducted when caribou in specified group sizes are observed within specified distances of the Project's AWAR as per comments by the Terrestrial Advisory Group.</p>
GN-TRC-07	Reliability of the 2014 FEIS as a basis for assessing the Project amendment	Resolved (Ref. List of Commitments, No. 4, parts a and b)	1	<p>Proposed commitments: AEM will evaluate a Hunter access monitoring program to capture and estimate levels of public traffic using the AWAR during the months of June, July and August. The design of this program will be consistent with advice provided by the Terrestrial Advisory Group.</p>



			2	<p>Proposed commitments:</p> <p>(1) AEM will evaluate developing the following tables with advice provided by the Terrestrial Advisory Group:</p> <p>A table showing the number and timing of AWAR road surveys that were conducted during the year.</p> <p>A table linking all observations of greater than 50 caribou (by date, time, location and distance from Project) to a documented road closure, as required under the TEMMP or mine.</p> <p>(2) It its annual report AEM will provide information demonstrating that each observation of more than 50 caribou near the Project, as recorded in the road survey and incidental observation datasets, resulted in the mitigation actions as prescribed in the Project’s Road Management Plan and the TEMMP. This will be presented in a table format showing the date of each observation of more than 50 caribou, location, and distance from the Project, and the mitigation response that was applied.</p>
GN-TRC-08	Terrestrial Wildlife /Caribou Protection Measures	Resolved (Ref. List of Commitments, No. 4, parts a and b)	1 to 3	See above commitment 7-2 (2).
HC-TRC-01	Human Health Risk Assessment (HHRA)	Resolved (Ref. List of Commitments, No. 20)		Agnico Eagle <u>provided</u> a standalone HHRA for the Project
KivIA-IR-1	Socio-economic benefits to Inuit	Resolved		
KivIA-IR-2	20,000 m3/day alternative and the discharge of surface contact water	Resolved (Ref. List of Commitments, No. 15, parts a and b)		Agnico Eagle <u>provided</u> Adaptive Management Plan Framework as part of the Technical Meeting
KivIA-IR-3	HDPE pipe capacity	Resolved		



KivIA-IR-4	Mid and far field water quality in Melvin Bay	Resolved	
KivIA-IR-5	Divergence from SWTP design criteria	Resolved	
KivIA-IR-6	Water balance model scenarios	Resolved	
KivIA-IR-7	Saline water and surface water storage facilities on the Meliadine mine site.	Resolved	
KivIA-IR-8	Terrestrial Wildlife /Unsubstantiated justification that the proposed twin 16" waterlines will not prevent caribou passage.	Resolved	
KivIA-IR-9	Terrestrial Wildlife /Caribou collar and sighting data.	Resolved	
KivIA-IR-10	Clarification of recent caribou behaviour and experience in Alberta.	Resolved	
KivIA-IR-11	Terrestrial Wildlife/ Mitigation of the potential impact of the waterlines on caribou.	Resolved	
KivIA-IR-12	AWAR length varies from 25 km to 30 km to 34 km.	Resolved	
KivIA-IR-13	Width of the AWAR and the water pipeline cover.	Resolved	
KivIA-TC- 14	Annual confirmatory ocean discharge monitoring	Resolved (As part of the Annual Reports)	Conduct validation monitoring post discharge during a period of 3 years. This will be conducted for the first 3 years of the waterline operation.
KivIA-TC- 15	Spill management for covered waterline	Resolved	



KivIA-TC- 16	Terrestrial Wildlife /Monitoring of effects of AWAR and waterlines on caribou movement	Resolved (Ref. List of Commitments, No. 4, part b)	
KivIA-TC- 17	Optimal side slope of the berms on the waterline covering	Resolved (Ref. List of Commitments, No. 5 and No. 21)	
KWB-TC-01	Terrestrial Wildlife /Caribou	Resolved (Ref. List of Commitments, No. 4, part b)	Agnico eagle <u>discussed</u> noise monitoring during the technical meeting. If Project is deemed approved, KWB, GN, Agnico Eagle and other interested parties work on regional and cumulative impact assessment of the project over the life of the project. This could be completed as part of a project specific Terrestrial Advisory Group.
KWB-TC-02	Spill Mitigation and Management for the Terrestrial Environment and Freshwater Ecosystems	Resolved (Ref. List of Commitments, No. 6)	KWB <u>provided</u> location of section more sensitive to spill into lake to discuss potential additional mitigations.
KWB-TC-03	Hunting and Inuit Land Use	Resolved (Ref. List of Commitments, No. 14)	Agnico Eagle <u>discussed</u> of the no-hunting / no-shooting zone in T&C no. 48 during the Technical Meeting
KWB-TC-04		Resolved	Agnico Eagle <u>committed to include</u> selfish monitoring as part of Community Base Monitoring Program.
SDFN-TRC- 01	Terrestrial Wildlife /Caribou Crossings/Deflections	Resolved with commitments (Ref. List of Commitments, No. 16)	Agnico Eagle <u>provided</u> a report presenting the data that underlies the assumption that caribou do cross the road successfully
SDFN-TRC- 02	Terrestrial Wildlife /Trends for Caribou within FEIS Predictions	Resolved with commitments (Ref. List of Commitments, No. 16)	Refer to SDFN-TRC-01 commitment
SDFN-TRC- 03	Terrestrial Wildlife /Spills or Accidental Release of Treated Groundwater	Resolved with commitments	Agnico Eagle <u>collected</u> an opinion form a wildlife vet to confirm that caribou will not drink salt water and will not be harmed.



SDFN-TRC- 04	Reclamation Plan.	Resolved	
TC-TRC-01	Engineered diffuser located in Melvin Bay.	Resolved	
TC-TRC-02	Construction of waterlines above, across and through waterways.	Resolved	
TC-TRC-03	Construction of waterlines across the Meliadine River.	Resolved	
NTI-TRC-01		Resolved	



Update on Consultation Commitments

No.	Feedback and commitments	Status	Comments
1	Use traditional Knowledge/IQ to identify areas for crossings structures or burying/covering locations	Resolved	Agnico Eagle used Knowledge/IQ to identify areas for crossings structures or burying/covering locations
2	Build crossing structures	N. A	Ref commitments 9 and 21
3	Use western science to identify areas for crossing structures	Resolved	Continuous monitoring
4	Have a long-term monitoring study that will inform adaptive management	Resolved	Ref. List of Commitments, No. 4, part a and b
5	Toll-free number for the community members to report problem along the waterline	Resolved	Tusaajugut Email tusaajugut@agnicoeagle.com, Toll-free at 1-844-323-3002. http://aemnunavut.ca/tusaajugut/
6	Leakage detection system on the waterline to be incorporated	Resolved	Ref. List of Commitments, No. 2
7	In the area of Apache Pass the waterlines will be routed on the East side of the rock outcrop	Resolved	The routing of the waterlines in the Apache Pass is show in Appendix 6-IA1E of the IRs response package. NIRB registry No. 201013-11MN034.
8	Markers will be placed on the waterline for winter ID	Resolved	Markers will be added at the flanges.
9	Agnico Eagle will burry/cover between 80-90% of the waterline and will continue to work with the HTO, KIA, Elders and the community on site specific locations. This will replace the commitment 2 to build crossing if this the preferred mitigation method	Resolved	The waterline design and reclamation costs were revised to include this commitment.