

NWB Water Licence Amendment Appendix F

Table F-1: Public Consultation, Government Engagement, and IQ 2016 to May 2019

Date	Title	Description
June 7, 2016	Baker Lake Community Meeting	Exploration activities and Whale Tail Pit Project
July 5, 2016	Baker Lake HTO meeting	HTO Consultation on fishout plan for Vault Expansion into Phaser Lake Project
August 18, 2016	Baker Lake HTO meeting	Meeting with HTO regarding Phaser Lake fish out. Fishout concerns included: R02 fish habitat compensation monitoring, fish release in Wally Lake, fish tagging, nets time. Other concerns included: AWAR not closed when caribou in area, ski doo crossings.
September 16, 2016	Baker Lake HTO Meeting	Presentation of 2 seacans to HTO for storage of Search and Rescue equipment and supplies, and storage/distribution of fall Caribou harvest
October 17, 2016	Baker Lake HTO Meeting	Safety issues (hunting/driving) on the AWAR
October 24, 2016	Baker Lake Community Meeting	Baker Lake Sewage Treatment, Discharge, Downstream Water quality and Fisheries Improvement project
October 26-November 4, 2016*	Public hearing Whale tail pit and haul road project	Public hearings Whale Tail in Baker Lake, Chesterfield Inlet, Rankin Inlet, Coral Harbour, Arviat and Nauyasat
November 1, 2016	Baker Lake HTO Meeting	Phaser Lake fishout
November 18, 2016	Caribou Monitoring Workshop	Amaruq Caribou Workshop #1, as part of ongoing consultation for their proposed Whale Tail Project
December 15, 2016*	Baker Lake Community Meeting	Wildlife monitoring, road closures, monitoring during caribou migration, road safety awareness
February 10, 2017*	Baker Lake HTO Meeting	Amaruq Road update, Snowmobile crossings, Phaser Lake fishout summary and results AWAR Dust pilot project, Amaruq Exploration project, AWAR safety meeting follow up
February 22-23, 2017	Caribou Monitoring Workshop	Caribou Workshop #2, as part of ongoing consultation for their proposed Whale Tail Project
April 20, 2017	Baker Lake Open Door	Hiring, business opportunities, update on Whale Tail Pit Project
April 27, 2017*	Baker Lake Hearings	Whale Tail Pit Project NIRB/NWB Technical Hearing
May 1, 2017*	Baker Lake Pre-Hearing conference	NIRB/NWB Pre-Hearing public conference for Whale Tail Pit Project
June 5, 2017	Baker Lake HTO Meeting	Amaruq road update, spring migration, habitat compensation fisheries work on AWAR, Baker Lake and AWAR km 1 - culverts, Hunter Harvest Study
June 20-21, 2017	Caribou Monitoring Workshop	TEMP and Caribou Workshop #3, as part of ongoing consultation for their proposed Whale Tail Project
July 5, 2017*	Coral Harbour HTO Meeting	Exploration and Amaruq Whale Tail Pit Project
July 5, 2017*	Chesterfield Inlet Open House	Shipping and marine mammals; road to Rankin Inlet
July 25, 2017	Baker Lake HTO site visit	Visit to Amaruq area
July 27, 2017	Baker Lake Public meeting	Wellness Report and Implementation Plan, human resources actions, wellness areas that were important to them and actions to address them
September 12, 2017*	Baker Lake HTO meeting	Recent traffic incidents involving ATVs on the AWAR, planning of a AEM/HTO AWAR Safety meeting
October 12, 2017	Baker Lake Community Liaison Committee Meeting	Environment update, AWAR road safety. Nunavut leadership program, project update
October 20, 2017	Baker Lake HTO meeting	Caribou migration and road safety concerns
December 1, 2017	Baker Lake HTO Meeting	Arcticconexon community monitoring
December 13, 2017	Baker Lake Community Meeting	Annual AWAR Safety meeting, jointly delivered with HTO
February 9, 2018	Baker Lake Community meeting	In-Pit Deposition project
March 7, 2018	Baker Lake Community meeting	In-Pit Deposition project
March 27, 2018*	Baker Lake HTO MOU Implementation Meeting	Meeting with Baker Lake HTO Board to finalize implementation of MOU Whale Tail.
May 17, 2018*	Baker Lake Hamlet Council Meeting	Sustainable Fisheries & offsetting, Baker Lake Sewage Treatment Project, Greenhouse Gas Emission Reductions, Windpower, Shipping Management
May 22, 2018	Baker Lake Community Meeting	Safety on the AWAR with youth
May 23, 2018	Baker Lake Community Meeting	Public consultation on sewage improvement, wind and shipping
June 19-20, 2018	Terrestrial Advisory Group Meeting	Meadowbank Terrestrial Advisory Group
July 10-11, 2018	Baker Lake Community Meeting	Whale Tail Pit Expansion Project Consultations
July 12-13, 2018	Chesterfield Inlet Community Meeting	Whale Tail Pit Expansion Project Consultations
July 16, 2018	Baker Lake mayor site visit	Visit of Meadowbank and Amaruq with mayors of Baker Lake and Arviat
July 19, 2018	Baker Lake Meeting	Suggestions for lake names at Whale Tail Project
August 10, 2018	Baker Lake site visit	Visit with Elders of future Baker Lake fuel farm expansion project. Enquired about TQ/IK
Feb 28-29, 2019	Baker Lake Community Meeting	Focus group meeting with Elders, Youth, Women, Hamlet and HTO about a hatchery as fisheries offsetting for the Expansion Project.

* = Records reviewed and incorporated into TLRU Assessment (Addendum Volume 7)

Table F-2: Project Concerns Raised by Community Members

Topic of Concern	Issue/Concern and Requests for Mitigation Identified	Reference to Mitigation Measures
Climate	Concerns regarding potential effects of the Project on climate change (Agnico Eagle 2018b)	Implementation of the Greenhouse Gas Reduction Plan
Air Quality	It was noted that caribou don't like pollution, smells or dust (Agnico Eagle 2018a)	Implementation of the Air Quality and Dustfall Monitoring Plan
	Concerns regarding potential changes to air quality in the mine area (Agnico Eagle 2018b)	
	Baker Lake community members have observed a lot of dust along the AWAR, and reported that dust in general is affecting several communities in Nunavut (NIRB and NWB 2017). Concerns were expressed about the potential human health effects associated with road dust (NIRB and NWB 2017)	
	Concerns regarding the managing and monitoring of dust and dust suppression chemicals to prevent or minimize harm to fish and wildlife in the area (NIRB and NWB 2017). Baker Lake community members emphasized the need for community participation in dust-monitoring and mitigation (NIRB 2017; NIRB and NWB 2017)	
	It was noted that calcium chloride used as a dust suppressant has adverse effects (e.g., it has destroyed leather mitts) (NIRB and NWB 2017). Concerns were expressed about dust control measures in general, including the type and quantity used, particularly the effects of calcium chloride (NIRB and NWB 2017; Agnico Eagle 2018c)	
	Concerns about the potential contamination of food sources from chemical dust suppressants, and the impact on human health; specifically, gastrointestinal issues experienced by community members every year in the spring which may be linked to caribou ingesting chemicals used in dust suppressants (Agnico Eagle 2018c)	
Noise and Vibration	It was noted that caribou don't like noise or vibration and concerns were expressed about potential effects of Project noise on caribou herds that overlap the Project, and on their migration patterns (Agnico Eagle 2018b)	Mitigations and commitments were put in place for the Approved Project that would continue to apply to the Expansion Project.
	The effects of blasting on fish, birds and other wildlife, and whether this would be monitored (NIRB and NWB 2017)	Implementation of the: - Terrestrial Ecosystem Management Plan - Core Receiving Environment Monitoring Program
Terrain, Permafrost and Soils	The depth of the pit, and concerns regarding the creation of a large hole in the ground which was considered unnatural (Agnico Eagle 2016a; 2016b)	Implementation of the Thermal Monitoring Plan
	The depth of the Whale Tail Pit and potential impacts on the land if the pit is deeper than the permafrost (NIRB 2017)	
Vegetation	Concerns about the effects of mine operations, dust and dust suppressants on caribou habitat and their food sources, and potential harm to caribou health and meat quality; specifically, gastrointestinal issues experienced by community members every year in the spring which may be linked to caribou ingesting chemicals used in dust suppressants (NIRB and NWB 2017; NIRB 2017; Agnico Eagle 2018c)	Implementation of the Air Quality and Dustfall Monitoring Plan

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Wildlife and Wildlife Habitat	The effects of the mine, including the Haul Road and increased traffic between the Project and Meadowbank on caribou movement and migration (Agnico Eagle 2017c, 2018a; NIRB 2017; NIRB and NWB 2017) and concerns with monitoring and enforcement of road traffic to ensure caribou are not disturbed or harmed during their migration (Agnico Eagle 2016c, 2018a; NIRB and NWB 2017)	Implementation of the: - Terrestrial Ecosystem Management Plan - Noise Monitoring and Abatement Plan - Whale Tail Pit Haul Road Management Plan - Air Quality and Dustfall Monitoring Plan
	The impact of Haul road traffic on all wildlife (Agnico Eagle 2016c)	
	Potential changes to the landscape from infrastructure (i.e., berms or dams) or lake configuration affecting caribou movement patterns and obstructing their migration routes (Agnico Eagle 2018a)	
	The effects of pollution, smell and dust on caribou behaviour (Agnico Eagle 2018a)	
	The managing and monitoring of dust and dust chemical suppressants to make sure there is no harm to caribou and other wildlife in the area (NIRB and NWB 2017)	
	Food safety and the effects of dust, dust suppressants and mine operations on caribou health and meat quality, and whether any studies are being conducted to determine the effects of mining activities on caribou health (NIRB and NWB 2017; NIRB 2017; Agnico Eagle 2018c)	
	The effects of noise and vibration on caribou, and disturbance from explosives at the mine site to wildlife and birds, including to caribou during their migration (Agnico Eagle 2018a; NIRB and NWB 2017)	
	Disturbance to wildlife, particularly caribou, from helicopters, and the enforcement of helicopter regulations around wildlife (Agnico Eagle 2016c; NIRB and NWB 2017)	
	The monitoring of caribou injury and mortality from Meadowbank mine operations since they started (NIRB 2017)	
	Disturbance to potential caribou calving grounds in the Project area (Agnico Eagle 2018a; NIRB and NWB 2017)	
Hydrology	Potential effects on muskox, wolverine and fox, and wolf and fox dens in the Project area (Agnico Eagle 2018a, 2018b; NIRB 2017)	
	Concerns related to the dewatering process, and where mine contact water will be stored (Agnico Eagle 2016d; NIRB and NWB 2017)	Implementation of the Water Management Plan
Water Quality	Concerns related to water flow around the Project (Agnico Eagle 2016d)	
	Project effects on water quality and toxicity, and water treatment and contingency plans for emergency overflow of contact water (Agnico Eagle 2018a)	Implementation of the Water Management Plan and compliance to NWB Water Licence 2AM-WTP1826
	Potential adverse effects of mine water (i.e. contact water) on the environment, lakes and fish populations, and to areas downstream because of contamination and sedimentation (Agnico Eagle 2018a)	
	The current water quality at Whale Tail and Mammoth Lakes, and drinking water safety of nearby lakes for camp use (NIRB and NWB 2017)	
	The water quality monitoring process at Whale Tail, and water treatment to make sure conditions are safe for fish (Agnico Eagle 2016b, 2018b)	
	Water quality in the pits at closure including after the dike is breached, and confidence in the safety of the water for drinking, fish populations and the soil (NIRB 2017)	
	Water quality and monitoring in all the waterbodies near Meadowbank and downstream, including the Quoich River (NIRB 2017)	

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Fish and Fish Habitat	Potential adverse effects of mine water (i.e., contact water) on lakes and fish populations, including areas downstream, and contamination of fish eggs (Agnico Eagle 2018a)	Implementation of the: - Offsetting Plan - Water Management Plan and compliance to NWB Water Licence 2AM-WTP1826 - Air Quality and Dustfall Monitoring Plan
	The water treatment process to make sure conditions are safe for fish (Agnico Eagle 2016b)	
	Potential effects of blasting on fish (NIRB and NWB 2017)	
	Potential effects of noise from bridge construction and use on fish, and the implementation of regulations for bridge construction over fish bearing waters (NIRB and NWB 2017)	
	The managing and monitoring of dust and dust suppression chemicals to prevent or minimize harm to fish in the Project area (NIRB and NWB 2017)	
	Baker Lake community members expressed disappointment with the fishout for Meadowbank, including the number of fish that died (NIRB and NWB 2017), and are concerned about the dewatering and fishout process for the Project in general, including the potential for fish injury and mortality (Agnico Eagle 2016a, 2016d, 2016e; NIRB and NWB 2017; NIRB 2017).	
	The potential for increased fish mortality because of their sensitivity to being handled and to being transferred during warm temperatures in the summer (NIRB 2017).	
	Fish return at closure, including whether fish transferred to the re-flooded pits after the dike is breached will have suitable conditions to support healthy fish populations, including water quality and food sources to prevent mortality (Agnico Eagle 2016a; NIRB and NWB 2017; NIRB 2017)	
Marine Resources	Potential dumping of ballast water into Hudson's Bay (NIRB and NWB 2017)	Implementation of the Shipping Management Plan
	Potential dredging of the marine channel in Hudson's Bay (NIRB and NWB 2017)	
	Potential effects on Arctic Char (non-anadromous and anadromous) (Agnico Eagle 2018a)	
	The number of ships traveling through Hudson Bay, Chesterfield Inlet and to Baker Lake during Project construction and operations (Agnico Eagle 2016a, 2018a; NIRB 2017)	
	The number of ships anchored just outside of Chesterfield Inlet and regulations around the number of ships that could be anchored in an area at one time (NIRB and NWB 2017)	
	Shipping routes through Hudson Bay and Chesterfield Inlet and effects on marine mammals and birds, including ensuring that ship routes are south of Coats Island to minimize disturbance to marine life, and whether there was monitoring of marine mammals along the shipping route, including shipping by barge (NIRB and NWB 2017; NIRB 2017; Agnico Eagle 2017a, 2017b, 2018a)	
	Effects of ship traffic on marine mammal abundance and distribution in the waters near Chesterfield Inlet, especially during marine mammal migration seasons (Agnico Eagle 2017b). To minimize disturbance to marine resources, it was requested if ship traffic could be limited, or temporarily halted during evening peak hours during marine mammal migration in the summer, and if community members (e.g. Elders and youth) could participate in monitoring the marine environment on anchoring/shipping vessels (Agnico Eagle 2017b)	
	Noise pollution from shipping (e.g. ship propellers and engines) and potential effects on marine mammals and Arctic Char, and whether marine noise was being enforced (NIRB and NWB 2017, Agnico Eagle 2017b, 2018a). Chesterfield Inlet community requested if quieter, more energy efficient ships could be used (NIRB and NWB 2017)	
	Potential effects of an oil spill on the marine environment, including the contamination of food sources that the community relies on (e.g. whales and seals), and contingency plans in case of a fuel or oil spill, including compensation (Agnico Eagle 2017b, 2018a). Concerns with the length of time it would take for oil spill crews to respond to a spill near Chesterfield Inlet, and requested if community members could be trained on how to use emergency spill kits (Agnico Eagle 2017b, 2018a)	

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Heritage Resources	Project disturbance to archaeological and historic sites, including to artifacts, graves, inuksuit and camp sites, and whether any archaeological studies had been completed to identify sites in the Project area (Agnico Eagle 2016a, 2016b, 2017c, 2018a; NIRB and NWB 2017; NIRB 2017)	Implementation of the Archaeology Management Plan and compliance to the Nunavut Archaeological and Paleontological Sites Regulations
	Disturbance to existing archaeological sites that were identified during studies conducted for the Project, including historic sites along the Haul Road, and the grave site near Whale Tail Pit (Agnico Eagle 2017c; NIRB and NWB 2017; NIRB 2017)	
	Recommended that other communities from the Kitikmeot Region that have used the Project area in the past are consulted to identify potential cultural sites (i.e. archaeological sites or grave sites)	
Socio-Economics	Employment/Workforce	Continued engagement and participation with the Kivalliq and Project Specific Socio-Economic Monitoring Committee's.
	Comments that the Baker Lake community has benefited from the mine because of employment opportunities, and the community would like to ensure a smooth transition from the mining at Meadowbank Mine to Whale Tail Pit so they can continue to benefit, (NIRB and NWB 2017; NIRB 2017)	
	Comments that the business sector has benefited from Meadowbank mine because of business contracts, which they'd like to see continue (NIRB 2017).	Continuation of the Meadowbank and Whale Tail IIBAs
	Comments that youth now have hope for a better future because of mining in Baker Lake, and the community would like to see these opportunities continue for youth (NIRB and NWB 2017; NIRB 2017)	
	Comments that people have benefited from training, and have successfully attained their certification and are able to work, and they would like to see training opportunities continue, especially for youth (NIRB 2017)	
	Question whether the work force would stay the same for Whale Tail Pit or if more people would need to be hired, and what the hiring process would be (Agnico Eagle 2016d)	
	Interest in job opportunities during construction and operations, including monitoring programs, and an interest in the work readiness program and apprentice program (Agnico Eagle 2016h, 2016i, 2016j, 2016k; NIRB and NWB 2017; NIRB 2017).	
	Interest was expressed in job opportunities for youth, including whether the student hiring program at the mine would still be available (NWB 2017; NIRB 2017; Agnico Eagle 2018a)	
	Questions about the hiring process in general and potential barriers to employment, including the lack of education and skills of some applicants, and opportunities being offered to non-locals (people from Quebec) rather than locals (NIRB and NWB 2017, Agnico Eagle 2018a)	
	Concern about barriers to employment because of transportation issues (no taxis to get to airport), and inter-generational trauma, and lack of opportunities for advancement (NIRB 2017; NIRB and NWB 2017; Agnico Eagle 2018a)	
	Culture/Language	
	Comment that the IIBA and hiring plans should more fully reflect Inuit ways of learning (i.e. learning experientially), rather than traditional approaches to education (NIRB and NWB 2017)	
	Well-being	
	Concern that workers are unable to speak out about bullying and language issues at work, in part because of unequal gender representation, and concerns about fair treatment by supervisors (NIRB 2017; Agnico Eagle 2018a).	
	Comment that workplace counselling, and mental health and family supports are a priority for the communities most affected by social issues arising from expanded mining (NIRB and NWB 2017; NIRB 2017)	

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	Interest in having Elders visit the site occasionally to provide emotional support for workers (Agnico Eagle 2018a)	
	Benefits/IIBA	
	Concerns about benefits from the mine not accruing to the community of Baker Lake (e.g. infrastructure and royalties) (NIRB and NWB 2017; NIRB 2017)	
	Concerns about whether economic benefits under the IIBA will be fairly distributed throughout the region in communities such as Chesterfield Inlet (NIRB 2017)	
	Safety	
	Concerns about road safety, particularly vehicles travelling too fast, and ATVs using the AWAR (Agnico Eagle 2017d; NIRB and NWB 2017)	
	Concerns about safety because of people hunting near the AWAR and not adhering to the no-hunting zone policy, and the need for increased policing (NIRB 2017)	
	Closure	
Human Health	Concerns about what happens to the workforce at closure (NIRB and NWB 2017; NIRB 2017)	Implementation of the: - Water Quality and Flow Monitoring Plan - Air Quality and Dustfall Monitoring Plan
	The potential human health effects associated with road dust (NIRB and NWB 2017)	
	The potential contamination of caribou meat because of the effects of mine operations, dust and dust suppressants on caribou habitat and their food sources, which may affect human health (NIRB and NWB 2017, NIRB 2017); specifically, concerns were raised about gastrointestinal issues experienced by community members every year in the spring which is believed to potentially be linked to caribou ingesting chemicals used in dust suppressants (Agnico Eagle 2018c). It was requested that studies are conducted to determine the effects of mining activities on caribou health (NIRB and NWB 2017, NIRB 2017)	
	The safety of drinking water taken from lakes near the camps used during operations (NIRB and NWB 2017) and at closure, specifically confidence in the water quality in the pits, including after the dike is breached (NIRB 2017)	
Closure	Water quality in the pits at closure including after the dike is breached, and confidence in the safety of the water for drinking, fish populations and the soil (NIRB 2017)	Implementation of the Interim Closure and Reclamation Plan
	Fish return at closure, including whether fish transferred to the re-flooded pits after the dike is breached will have suitable conditions to support healthy fish populations, including water quality and food sources to prevent mortality (Agnico Eagle 2016a, NIRB and NWB 2017, NIRB 2017)	
	Concerns about what happens to the Meadowbank workforce at closure (i.e., after the Whale Tail Pit has been mined) (NIRB and NWB 2017; NIRB 2017)	

References:

Agnico Eagle. 2018a. Agnico Eagle Mines: Whale Tail Pit Amendment. July 10-13 Community Consultation Notes. July 10-13, 2018, Baker Lake and Chesterfield Inlet, Nunavut.

Agnico Eagle. 2016a. Amaruq and Whale Tail Pit Project. Notes. Traditional Knowledge Consultation. Meeting with Elders. February 3-5, 2016.

NIRB. 2017. Nunavut Impact Review Board's Hearing Regarding the Review of Agnico Eagle Mines Limited's Whale Tail Pit Project Proposal. Hearing held at Baker Lake, Nunavut.

NIRB (Nunavut Impact Review Board) and NWB (Nunavut Water Board). 2017. Pre-Hearing Conference Decision concerning the Whale Tail Pit Project and an Application for a New Type "A" Water License proposed by Agnico Eagle Mines Limited.