

NIRB Application for Screening #125048

Parker Lake temporary exploration camp and airstrips & Cone Hill exploration project

Application Type: Amendment
Project Type: Camp
Application Date: 1/23/2017 1:29:51 PM
Period of Operation: From 2017-01-23 to 2017-01-23
Proposed Authorization: From 2017-01-23 to 2017-01-23
Project proponent: Agnico-Eagle Ltd., David Frenette
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DETAILS

Non-technical project proposal description

English: Parker Lake temporary exploration camp and Cone Hill exploration project Non-technical summary In order to increase worker safety when working in the remote exploration areas of Parker Lake and to reduce travelling time from the Meliadine camp site, Agnico Eagle is applying to obtain the authorizations to install a temporary exploration camp on the Parker Lake property in 2017. This camp will accommodate up to 20 workers and will be mainly constituted of tents and sea cans. A core shack, a core splitting room, a medical room, a kitchen, a dry, showers and Pacto toilets will be included in this temporary exploration camp. Gensets for camp electricity, incinerator for domestic waste disposal, treatment for drinking water and berms for up to 400 fuel drums will also be installed at this camp site. The camp is planned to be used for 3 to 4 years. A small airstrip on the lake near the camp and one on the esker located 23 kilometers north-east of the camp will be used to transport material, equipment and workers using an Otter plane. The airstrip on the lake will be used during the ice period and the airstrip on the esker will be used during the summer season to bring material and equipment from Meliadine or Baker Lake closer to Parker Lake. From the esker, a helicopter will transport material and equipment up to the exploration camp. No major leveling of the airstrips is planned since the plane will have tundra tires and will be able to land directly on the ice or directly on the esker. This type of plane only requires a short landing and take-off length of approximately 300 meters. Agnico Eagle acquired in 2016 new mineral claims at 40 kilometers north of the Parker Lake property and named this new project the Cone Hill exploration project. This project is located 88 kilometers east of the Baker Lake community and 160 kilometers north-west of the Rankin Inlet Community. The exploration activities planned to be conducted in this area are for gold mineralization and include prospecting, geophysical surveys and diamond drilling. The exploration works are planned to start in summer 2017.

French: Projet d'installation d'un campement temporaire au projet Parker Lake et le nouveau projet d'exploration Cone Hill Résumé Avec l'intention d'augmenter la sécurité des travailleurs lors du travail dans le secteur éloigné de Parker Lake et afin de réduire le temps de transport requis entre le camp Meliadine et les secteurs d'exploration, Agnico Eagle soumet des applications afin d'obtenir les autorisations requises pour installer un camp temporaire d'exploration sur la propriété Parker Lake en 2017. Ce camp accueillera jusqu'à 20 travailleurs et sera principalement constitué de tentes et de conteneurs maritimes. Une carothèque, une salle de préparation de la carotte, une salle médicale, une cuisine, une salle de séchage, des douches et des toilettes de type Pacto seront inclus dans ce camp. Des générateurs pour l'électricité, un incinérateur pour la disposition des déchets domestiques, un système de traitement de l'eau potable et des bassins de rétention pour contenir jusqu'à 400 barils de 205 litres de fuel seront aussi installés à ce site. Le camp est prévu pour être utilisé de 3 à 4 ans. Une petite piste d'atterrissage sur le lac près du camp et une sur un esker localisé à 23 kilomètres au nord-est du site du campement seront utilisées pour transporter du matériel, de l'équipement et des travailleurs à l'aide d'un avion de type Otter. La piste sur le lac sera utilisée lorsque celui-ci sera gelé alors que celle sur l'esker sera utilisée durant la période estivale pour rapprocher du camp du matériel et de l'équipement en provenance de Rankin Inlet et/ou de Baker Lake. Un hélicoptère assurera le transport entre l'esker et le camp. Il n'y a pas de travaux de nivelage majeur requis pour les 2 pistes, puisque l'avion sera équipé de pneus adaptés. Ce type d'avion requière une courte distance pour l'atterrissage et le décollage, soit environ 300 mètres. Agnico Eagle a acquis de nouveaux claims d'exploration à 40 kilomètres au nord de la propriété Parker Lake et a nommé ce projet d'exploration "Cone Hill". Le projet Cone Hill est localisé à 88 kilomètres à l'est de la communauté de Baker Lake et à 160 kilomètres au nord-ouest de la communauté de Rankin Inlet. Les activités d'exploration planifiées sur ce projet sont pour les minéralisations d'or et inclues la prospection, la géophysique et le forage au diamant. Les travaux d'exploration sont planifiés débutés à l'été 2017.

Inuktitut: Parker Cone Hill-

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Personnel

Personnel on site: 20

Days on site: 150

Total Person days: 3000

Period of operation: from 2017-01-23 to 2017-01-23

Proposed term of operation: from 2017-01-23 to 2017-01-23

ACTIVITIES

Project Activities

Location	Activity Type	Land Status	Site History	Site Archaeological or Palentological Value	Proximity to the nearest communities and any protected areas
Claims Cone Hill	Mineral Exploration	Crown	Agnico Eagle acquired in 2016 new mineral claims at 40 kilometers north of the Parker Lake property and named this new project the Cone Hill exploration project. This project is located approximately 88 kilometers east of the Baker Lake community and 160 kilometers north-west of the Rankin Inlet Community.	Some archaeological sites were found in the claims area. The report associated to the 2016 archaeological works will be submitted to the Government of Nunavut and the archaeologist will return on the field in summer 2017 to expand and complete the areas investigated. Protection buffers will be established by the archaeologist in compliance with the regulations for any archaeological sites found.	Baker Lake is the nearest community. The Cone Hill area is located near a caribou crossing present in the Keewatin Regional Land Use Plan (KRLUP), Caribou Protection Map.
Winter access	Access Road	Crown	Agnico Eagle acquired in 2016 new mineral claims at 40 kilometers north of the Parker Lake property and named this new project the Cone Hill exploration project. This project is located approximately 88 kilometers east of the Baker Lake community and 160 kilometers north-west of the Rankin Inlet Community.	Some archaeological sites were found in the claim area. The report associated to the 2016 archaeological works will be submitted to the Government of Nunavut and the archaeologist will return on the field in summer 2017 to expand and complete the areas investigated. Protection buffers will be established by the archaeologist in compliance with the regulations for any archaeological sites found.	Baker Lake is the nearest community. The Cone Hill area is located near a caribou crossing present in the Keewatin Regional Land Use Plan (KRLUP), Caribou Protection Map.
Airtrip lake	Airstrip use or construction	Inuit Owned Surface Lands	The exploration activities conducted in these areas started in 2016 and is for gold mineralization. In order to increase worker safety, when working in these remote exploration areas, and to reduce travelling time from the Meliadine camp site, Agnico Eagle is applying for authorizations to install a temporary exploration camp on the Parker Lake property in 2017. This airstrip will be on ice and used to service the	Most parts of the area planned to be used for the projects described, were visited by an archaeologist during the summer 2016. Some archaeological sites were identified by the archaeologist and protection buffers will be established to ensure their protection. The report associated to the 2016 archaeological works will be submitted to the Government of Nunavut and the archaeologist will return on the field in summer 2017 to expand and complete the areas investigated.	This exploration camp will be located between Baker Lake and Rankin Inlet. A caribou protection area is located south of the exploration camp.

			exploration camp.		
Airstrip	Airstrip use or construction	Crown	The airstrip on the esker will be used during the summer season to bring material and equipment from Meliadine or Baker Lake closer to Parker Lake. From the esker, a helicopter will transport material and equipment up to the exploration camp.	The area will be visited by the archaeologists before to be used.	This airstrip will be located between Baker Lake and Rankin Inlet. This site is located around 25km from the caribou protection area.
Camp	Camp	Inuit Owned Surface Lands	The exploration activities conducted in these areas started in 2016 and is for gold mineralization. In order to increase worker safety, when working in these remote exploration areas, and to reduce travelling time from the Meliadine camp site, Agnico Eagle is applying for authorizations to install a temporary exploration camp on the Parker Lake property in 2017.	Most parts of the area planned to be used for the projects described, were visited by an archaeologist during the summer 2016. Some archaeological sites were identified by the archaeologist and protection buffers will be established to ensure their protection. The report associated to the 2016 archaeological works will be submitted to the Government of Nunavut and the archaeologist will return on the field in summer 2017 to expand and complete the areas investigated.	This exploration camp will be located between Baker Lake and Rankin Inlet. A caribou protection area is located south of the exploration camp.

Community Involvement and Regional Benefits

Community	Name	Organization	Date Contacted
Information is not available			

AUTHORIZATIONS

Project Locations

Kivalliq

Project Authorization

Authorizing Agency	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Kivalliq Inuit Association	Land use permit for the exploration camp and lake airstrip.	Not Yet Applied		
Nunavut Water Board	Amendment to the water license to include the Cone Hill exploration area, and the Parker Lake temporary exploration camp.	Not Yet Applied		
Indigenous and Northern Affairs Canada	Land use permit for exploration activities at Cone Hill and land use permit for the airstrip located on the esker.	Not Yet Applied		

Please indicate the mineral of interest that is being extracted. Include a brief description.

Mineral Type	Description
Base Metals (zinc, copper, gold, silver, etc)	

MATERIAL USE

Equipment to be used (including drills, pumps, aircraft, vehicles etc.)

Equipment Type	Quantity	Size - Dimensions	Proposed Use
T-Otter plane	1	2500kg	Transport material, equipment and workers.
Helicopter	2	Bell 407, 1300kg	Transport material, equipment and workers
Tracked tractor	3	20000kg	Same equipment used on the winter access Baker Lake-Meliadine
Snowmobile	2	550cc	Transport workers on the exploration areas and on the camp site
ATV	1	500c	Used on the camp site to transport material
Diamond drill	1	12000kg	Diamond drilling for mineral exploration
Pump shack	1	3000kg	Pump water for the diamond drill

Detail Fuel and Hazardous Material Use

Fuel / Material	Type	Number of Containers	Container Capacity	Total Amount	Units	Proposed Use
Diesel	fuel	200	205	41000	Liters	For drilling and generators
Aviation fuel	fuel	200	205	41000	Liters	For the Otter and the helicopter
Gasoline	fuel	10	205	2050	Liters	For snowmobiles and ATV
Hydraulic oil	hazardous	50	25	1250	Liters	For the drills
Motor oil	hazardous	50	25	1250	Liters	For drills, pumps, generators
Glycol	hazardous	50	25	1250	Liters	For the drill, generators

Project Water Consumption

Daily Amount (m3)	Proposed Water Retrieval Methods	Proposed Water Retrieval Location
299	Pumping	Proximal lakes, rivers and ponds

WASTE

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional Treatment Procedures
Camp	Combustible wastes	0.25m ³ /day	Incineration	Transport of the ash for disposal
Mineral Exploration	Combustible wastes	0.25m ³ /day	Incineration at camp site	Transport of the ash for disposal
Camp	Greywater	5m ³ /day	Disposed of in a natural depression located at least at 31 meters from any water body.	No additional treatment
Camp	Hazardous waste	0.25m ³ /day	Transport for disposal	To authorised facilities
Mineral Exploration	Hazardous waste	0.25m ³ /day	Segregation at camp site	Transport for disposal to authorised facilities.

Camp	Non-Combustible wastes	0.25m ³ /day	Transport for disposal	To authorised facilities
Mineral Exploration	Non-Combustible wastes	0.25m ³ /day	Segregation at camp site	Transport for disposal
Camp	Sewage (human waste)	0.5m ³ /month	Incineration or transport for disposal	No additional treatment

Environmental Impacts

With the management plans submitted with this application, the methodology associated to the use of winter access (passing directly on the ice and snow, without dozing or scrapping of the soil) and the limited area used by the camp site and airstrips, the impact on the land, water, flora and fauna are expected to be low.

DETAILS PART 2

Project General Information

The present application is to permit the installation of a temporary exploration camp on the Parker Lake property, to permit 2 airstrips for Otter plane to service the Parker Lake project, to permit exploration activities on the new property located 40 kilometers north of the Parker Lake project named the Cone Hill exploration project and to permit a spur winter access from the authorized Baker Lake – Meliadine winter access to the Cone Hill area.

DFO Operational Statement of Conformity

Transportation

Parker Lake temporary exploration camp Once the Parker Lake temporary exploration camp is in place, the workers working in the area will be based there. Transports from Baker Lake and/or Meliadine will continue to be required during the exploration season to provide supplies. This transport will be done using Otter plane and helicopters. Helicopters will be used to transport drill, material, equipment and workers between the exploration camp and the working areas. Transports on the winter access will be done with tracked tractors. Cone Hill exploration project No camp is planned to be set up at the Cone Hill property. Helicopters will be used to move the drill, material, equipment and workers during the exploration season and tracked tractors could be used during the winter to bring part of the equipment and material needed for the exploration. The tractors would use part of the Baker Lake – Meliadine winter access and a spur access toward the Cone Hill property.

Camp Site

In order to increase worker safety, when working in these remote exploration areas, and to reduce travelling time from the Meliadine camp site, Agnico Eagle is applying for authorizations to install a temporary exploration camp on the Parker Lake property in 2017. This camp will accommodate up to 20 workers and will be mainly constituted of tents and sea cans. A core shack, a core splitting room, a medical room, a kitchen, a dry, showers and Pecto toilets will be included in this temporary exploration camp. Gensets for camp electricity, incinerator for domestic waste disposal, treatment for drinking water and berms for up to 400 fuel drums will also be installed at this camp site. This camp is planned to be used for 3 to 4 years.

Equipment

T-Otter plane, Helicopters bell 407, Tracked tractors (Challenger), Snowmobiles, ATV, Generators, Diamond drill and pump shack.

Water

Water used for drilling and for the camp.

Waste Water (Grey water, Sewage, Other)

Sewage will be incinerated or transported to a disposal facility. Grey water will be disposed of in a natural depression located at least 31 meters from any water body.

Fuel

Will be in 205 liters drums stored in containment berms.

Chemical and Hazardous Material

Oil, Glycol and Fuel are the principal hazardous material that will be used.

Workforce and Human Resources / Socio-Economic Impacts

Globally AEM currently employ 815 people at the Meadowbank and Meliadine properties – including 305 Inuit Beneficiaries (~36% of workforce).

Public Involvement / Traditional Knowledge

Public consultations will continue to be done by AEM.

SECTION A: Roads/Trails: Project Information

A spur winter access from the authorized Baker Lake – Meliadine winter access to the Cone Hill area is requested. The same procedures will be applied for this spur access than for the main access.

SECTION A: Roads/Trails: All-Weather Road/Access Trail

SECTION B: Mineral Exploration: Project Information

SECTION B: Mineral Exploration: Exploration Activity

SECTION B: Mineral Exploration: Geosciences

SECTION B: Mineral Exploration: Drilling

SECTION B: Mineral Exploration: Stripping / Trenching / Pit Excavation

SECTION B: Mineral Exploration: Underground Activities

SECTION B: Mineral Exploration: Waste Rock Storage and Tailings Disposal

SECTION B: Mineral Exploration: Stockpiles

SECTION B: Mineral Exploration: Mine Development Activities

SECTION B: Mineral Exploration: Geology and Mineralogy

SECTION B: Mineral Exploration: Mine

SECTION B: Mineral Exploration: Mill

Description of Existing Environment: Physical Environment

Description of Existing Environment: Biological Environment

Description of Existing Environment: Socioeconomic Environment

Identification of Impacts and Proposed Mitigation Measures

Impacts on caribou will be limited by mitigation measures described in the Wildlife Protection and Response Plan. Impacts on archaeological sites will be limited by archaeologist field assessment. Impact related to spills will be limited with the application of the Spill Contingency and Response Plan. Impact on the water will be limited with the application of obligations described in the water license 2BE-PKR1621.

Cumulative Effects

AEM noted that any future development (example mining), would have to be assessed in an Environmental Impact Statement (EIS).

IMPACTS

TABLE 1 - IDENTIFICATION OF ENVIRONMENTAL IMPACTS

CONSTRUCTION																								
Airstrip use or construction		-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
Camp		-	-	-	-	-	-	-	-	-	-	-		-	M	-	-	-		-	-	-	-	-
Access Road		-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
Mineral Exploration		-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
OPERATION																								
Airstrip use or construction		-	-	-	-	-	M	-	-	-	-	-		-	M	M	-	-		-	-	-	-	-
Camp		-	-	-	-	M	-	-	-	-	-	-		-	M	-	-	-		-	-	-	-	-
Access Road		-	-	-	-	-	-	-	-	-	-	-		-	M	-	-	-		P	-	-	-	-
Mineral Exploration		-	-	-	-	M	-	-	-	-	-	-		-	M	M	-	-		-	-	-	-	-
DECOMMISSIONING																								

Airstrip use or construction	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mineral Exploration	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)