

NIRB Application for Screening #125059

Mary River Winter Sealift

Application Type: New
Project Type: Access
Application Date: 1/30/2017 11:02:28 AM
Period of Operation: From 2017-03-20 to 2017-01-31
Proposed Authorization: From 2017-01-20 to 2017-01-31
Project proponent: Wayne McPhee
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DETAILS

Non-technical project proposal description

English: Baffinland Iron Mines Corporation (Baffinland) is a Canadian mining company that operates the Mary River iron ore mine, located in the Qikiqtani Region of Nunavut on Baffin Island. The Project is authorized to mine up to 22.2 million tonnes per annum (mtpa) of iron ore and to transport up to 18 mtpa of iron ore to market by the Southern Transportation Corridor and Shipping Route and to transport up to 4.2 mtpa of iron ore to market by the Northern Transportation Corridor via the Northern Shipping Route (from Milne Inlet to Baffin Bay) during the open-water season (July to October). In 2016, production and transportation of ore at the Mary River site allowed the shipment of 2.7 mt of iron ore through the Northern Shipping Route. In order to improve on the 2016 production, additional ore haul trucks and trailers will be required prior to open water in the spring of 2017 to increase the fleet at the site. Baffinland proposes to complete a Winter Sealift using an icebreaking bulk carrier to bring the trucks as well as seacans of spare parts and tires to the site. If possible, the MV Nunavik will also carry several sea containers of supplies for Pond Inlet. It is anticipated that the icebreaking carrier will enter the region near Pond Inlet around March 20 and enter Milne Inlet around March 22. Following a two-day period for off-loading cargo, the carrier will enter the region near Pond Inlet on its return trip around March 25, and depart the area on March 28. The actual shipping dates will be adjusted to adapt to fluctuations in weather and ice conditions. Baffinland has consulted with the communities of Pond Inlet and Arctic Bay in regards to shipping through ice since 2014. Most recently, community meetings were held in Pond Inlet on December 6, 2016 related to the Winter Sealift to listen to concerns about the sealift from Hamlet council, the Hunters and Trappers Organization (HTO) and the community. Concerns raised by the community will be addressed using mitigation and monitoring programs developed in cooperation with Pond Inlet. To allow the safe passage of local travelers across the broken ice left by the vessel, an ice bridge will be installed along the broken ice near Pond Inlet. Route markers as well as signage in English and Inuktitut will also be installed to identify the path left by the vessel so areas of thin ice are highlighted to local travelers. Baffinland will work with SmartICE and Ikaarvik: Barriers to Bridges, both community research organizations based in Pond Inlet, to develop and deliver the community-based monitoring program. The proposed monitoring activities are intended to address concerns of community members and to build capacity for such monitoring activities within the community. A workshop will be held in Pond Inlet prior to the sealift to discuss potential impacts, mitigation measures, community safety and the plans for the sealift. The proposed monitoring activities will assess physical ice impacts, impacts on seals, noise and community socio-economic impacts. The complete project proposal along with supporting community consultation documents has been attached.

French: Baffinland Iron Mines Corporation (Baffinland) est une société minière canadienne qui exploite a Mary River, située dans la région de Qikiqtani, au Nunavut, sur l'île de Baffin. Le projet est Autorisé à exploiter jusqu'à 22,2 millions de tonnes par an (mtpa) de minerai de fer et à transporter jusqu'à 18 Mtpa de minerai de fer au marché par le corridor de transport et la route d'expédition du sud et à Transporter jusqu'à 4,2 mtpa de minerai de fer au marché par le couloir de transport du Nord via le nord Route d'expédition (de Milne Inlet à baie de Baffin) pendant la saison d'eau libre (juillet à octobre). En 2016, la production et le transport du minerai sur le site de Mary River ont permis d'acheminer 2,7 Mtpa Minerai de fer par la route maritime du nord. Afin d'améliorer la production en 2017, des camions et des remorques supplémentaire de transport de minerai seront nécessaires avant le printemps 2017 pour le site. Baffinland propose de terminer un levage d'hiver en utilisant un vraquier en vrac pour Apporter les camions ainsi que des seacans de pièces de rechange et de pneus sur le site. Dans la mesure du possible, le MV Nunavik Transportent également plusieurs conteneurs maritimes de provisions pour Pond Inlet. On s'attend à ce que le brise-glace entre dans la région près de Pond Inlet vers le 20 mars et Entrera dans Milne Inlet vers le 22 mars. Après une période de deux jours pour décharger la marchandise le transporteur Entrera dans la région près de Pond Inlet lors de son voyage de retour vers le 25 mars et quitte la région le 28 mars. Les dates d'expédition réelles seront ajustées pour s'adapter aux fluctuations des conditions météorologiques et des conditions de glace. Baffinland a consulté la communauté de Pond Inlet et d'Arctic Bay en ce qui concerne les glaces brisse Grâce à la glace depuis 2014. Plus récemment, des réunions communautaires ont eu lieu à Pond Inlet le 6 décembre, 2016 concernant le pêcheur d'hiver pour écouter les préoccupations concernant le transport maritime devant L'organisation des chasseurs et des trappeurs (HTO) et la communauté. Les préoccupations soulevées par la

Inuktitut:

Personnel

Days on site: 15

Period of operation: from 2017-03-20 to 2017-01-31

Proposed term of operation: from 2017-01-20 to 2017-01-31

ACTIVITIES

Project Activities

Location	Activity Type	Land Status	Site History	Site Archaeological or Palentological Value	Proximity to the nearest communities and any protected areas
Option E	Marine Based Activities	Marine	Baffinland Iron Mines Corporation (Baffinland) is a Canadian mining company that operates the Mary River iron ore mine, located in the Qikiqtani Region of Nunavut on Baffin Island. The Project is authorized to mine up to 22.2 million tonnes per annum (mtpa) of iron ore and to transport up to 18 mtpa of iron ore to market by the Southern Transportation Corridor and to transport up to 4.2 mtpa of iron ore to market by the Northern Transportation Corridor.	Not Applicable for marine shipping	Ship will pass approximately 15 km from Pond Inlet.

Community Involvement and Regional Benefits

Community	Name	Organization	Date Contacted
Pond Inlet	Mittimatalik Hunters and Trappers Organization	Mittimatalik Hunters and Trappers Organization	2016-12-06
Pond Inlet	Joe Enook	MLA	2016-12-06
Pond Inlet	Hamlet Council	Hamlet Council	2016-12-06
Pond Inlet	Pond Inlet Community	N/A	2016-12-06

AUTHORIZATIONS

Project Locations

North Baffin

Project Authorization

Authorizing Agency	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Other	Nunavut Planning Commission. NPC File # 148423 Mary River 2017 Winter Sealift Conformity to the North Baffin Regional Land Use Plan (NBRLUP).	Active	2017-01-26	
Other	WSCC (Mine Safety) Ice Road approval from Mines Inspector	Not Yet Applied		

MATERIAL USE

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Snowmobiles	10	N/A	Mitigation measures and monitoring programs
Loader	3	N/A	Transportation of cargo offloaded at Milne Port
MV Nunavik (IACS) Polar Class 4	1	N/A	Transportation of cargo to Milne Port
Ice Bridge System	1	N/A	To allow safe passage across the broken ice created by the ship's track.

Detail Fuel and Hazardous Material Use

Fuel / Material	Type	Number of Containers	Container Capacity	Total Amount	Units	Proposed Use
Gasoline	fuel	10	200	2000	Liters	Mitigation measures and monitoring programs (snowmobiles)

Project Water Consumption

Daily Amount (m3)	Proposed Water Retrieval Methods	Proposed Water Retrieval Location
0	N/A	N/A

WASTE

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional Treatment Procedures
Marine Based Activities	Combustible wastes	100 kg	Landfill	None

Environmental Impacts

See attached project proposal for predicted environmental impacts and proposed mitigation measures.

DETAILS PART 2

Project General Information

DFO Operational Statement of Conformity

Transportation

Camp Site

Equipment

Water

Waste Water (Grey water, Sewage, Other)

Fuel

Chemical and Hazardous Material

Workforce and Human Resources / Socio-Economic Impacts

Public Involvement / Traditional Knowledge

SECTION H: Marine Based Activities: Disposal at Sea

The MV Nunavik, operated by FedNav, will transit through the waters of Baffin Bay, Pond Inlet, Eclipse Sound and Milne Inlet. Protected areas and/or communities closest to the proposed project activities include Sirmilik National Park, Pond Inlet and Arctic Bay. The ship's route will come within 15 km of Pond Inlet at its closest approach. See attached project proposal for additional details.

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

Cumulative Effects

IMPACTS

TABLE 1 - IDENTIFICATION OF ENVIRONMENTAL IMPACTS

CONSTRUCTION																									
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
OPERATION																									
Marine Based Activities		-	-	-	-	-	-	-	-	-	-	-	U		-	M	U	-	-		P	-	-	-	-
DECOMMISSIONING																									
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

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