



NIRB Application for Screening #125524

Early Revenue Phase

Application Type: New

Project Type: Mine Development

Application Date: 5/20/2020 12:08:42 PM

Period of operation: from 0001-01-01 to 0001-01-01

Proposed Authorization: from 0001-01-01 to 0001-01-01

Project Proponent: NIRB info
Nunavut Impact Review Board
Box 1360 (20 Mitik)
Cambridge Bay Nunavut X0B 0C0
Canada
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DETAILS

Non-technical project proposal description

English: The Early Revenue Phase Proposal associated with the approved Mary River Iron Mine was assessed by the NIRB from 2013 - 2014. It was approved to proceed on May 28, 2014 subject to the terms and conditions of Project Certificate No. 005 Amendment 1. This project dashboard contains the original assessment information as well as monitoring information through to the approval of an amended Project Certificate associated with the Production Increase Proposal in 2018. Modified from the 2013 Project Description: The Early Revenue Phase Proposal is the proposed first development phase for the Mary River Project. It will include development of a nominal 3.5 million tonne per annum (Mt/a) road haulage operation from Mary River to a small port facility at Milne Inlet for shipping of iron ore during the open water season. The operation will be very similar in concept to the bulk sample program undertaken by Baffinland in 2008. The Early Revenue Phase will produce a nominal 3.5 Mt/a of iron ore mined from Deposit 1 and transported from the Mine Site to Milne Port over the Milne Inlet Tote Road on a year round basis. The ore will be stored in stockpiles at Milne Port ready for loading onto ships and transport to customers during the open water season only. Fuel to support the trucking operation will continue to be delivered to a tank farm facility at Milne Port each year. Ore handling operations consist of an ore stockpile, conveyors to transfer ore to the ore dock, and ship loading facilities at the ore dock. Shipping of supplies to Milne Port will occur during the approximately 90-day ice-free period of approximately July 15 to October 15. During the operation phase, the port will continue to be used to ship ore as part of the early revenue operation, as well as for resupply. Ships will follow a nominal shipping route from Milne Port, through Milne Inlet and into Eclipse Sound within the Nunavut Settlement Area and will continue to customer ports, primarily in Rotterdam and other European Ports.

French: Proposition de phase de revenu initial (1ère NOUVEAUTÉ) La CNER a évalué la Phase de revenu initial inhérente à l'exploitation de la mine de fer de la rivière Mary de 2013 à 2014; sa mise en œuvre a été approuvée le 28 mai 2014, sous réserve des modalités et conditions de la modification 1 du certificat de projet no.005. Ce tableau de nord regroupe les données de l'évaluation initiale ainsi que les informations relatives à la surveillance effectuée jusqu'à l'approbation du certificat de projet modifié en 2018 par l'ajout de la proposition d'augmentation de la production. Modification par rapport à la description du projet de 2013: La Phase de revenu initial est la première phase d'exploitation proposée pour le projet de la rivière Mary. Elle comprend la production d'une quantité nominale de 3.5 millions de tonnes par an (Mt/a) de minerai, transportées sur une route aménagée du site de la rivière Mary jusqu'aux petites installations portuaires de l'inlet Milne aux fins d'expédition maritime pendant la saison des eaux libres. Le concept de cette exploitation sera très semblable aux travaux d'échantillonnage en vrac réalisés par Baffinland en 2008. Dans le cadre de la Phase de revenu initial, une quantité nominale de minerai de fer de 3,5 Mt/an sera extraite du gisement no.1 et transportée à l'année longue par le chemin Tote reliant le site de la mine au port Milne. Le minerai sera entreposé en piles de stockage, prêt à être embarqué dans des navires et expédié aux clients par voie maritime pendant la saison des eaux libres. Le carburant requis pour le camionnage continuera à être livré chaque année à un parc de stockage du port Milne. Le traitement du minerai s'effectuera en trois séquences : le dépôt de minerai, le transfert du minerai par convoyeurs jusqu'au quai minéralier et le chargement des bateaux avec de l'équipement approprié. Le transport maritime des approvisionnements jusqu'au Port Milne sera effectué pendant la période de 90 jours exempte de glace, soit du 15 juillet au 15 octobre environ. Pendant la période d'exploitation, et au titre de la Phase de revenu initial, le port continuera à être utilisé pour les navires ainsi que pour le réapprovisionnement. Les navires suivront la voie maritime nominale à partir du port Milne, puis traverseront le bras de mer Milne et le détroit d'Éclipse de la région du Nunavut pour rejoindre les ports européens des clients, notamment Rotterdam.

[illegible]

Inuinnaqtun: Hivunngani Maniliurahuarnikkut Ilangani (NUTAAQ 1)Una Hivunngani Maniliurahuarnikkut Ilangani Tukhiutaujuq ilagijauvluni ukunanngat angiqtauhimajuq Mary Kuugaa Havigalik Ujaraqtarvik ihivriuqtauhimajuq ukunanngat Nunavut Avatiliqijit Katimajit uvanngat 2013–2014. Angiqtauhimavlutik pivalliavikhangit uvani Qiqaijaluaria 28, 2014 mi malikhugit hivituningagut qanurilinganingillu haffumani Havaktautikhanik Iltaridjutingit Naahaut 005 Ihuaqhaqtauhimajuq 1. Una havaangujuq titiraqutai ilaliutauhimajut nanminiqutingit ihivriurnikhanut nalunaitkutaq uuminngalu munaqhaijangit nalunaitkutaq angiqtauhimajut haffumani ihuaqhariiqtajuq Havaktautikhanik Iltaridjutingit ilagijaujuq ukuannngat Havaktauhimajuq Angiklikhimajut Tukhiutingit uvani 2018.Ihuaqhiriqhuni uvanngat 2013 mit Havaakhanut Naunaitkutat: Una Hivunngani Maniliurahuarnikkut Ilangani Tukhiutiniq tukhiutijangit hivunngani pivallianikhanut ilangani haffumani Mary Kuugaa Havaanut. Ilaliutiginiaqtangit pivallianikhainut haffumani mikitqijaanit 3.5 milian tan ukiungani (Mt/a) apqutaanut agjaqtuijut aulavikhaaq uvanngat Mary Kuugaa uvunga mikitqijaanit tulagvikhaq uvani Milne Kangiqhua agjaqtuijunut haffumani havigalik ujarait angmaumaqqat hikuiraangat imaq. Una havaangit aadjikutaanik hivunigilugit angijaaqtumik aadjigiiktumik piliriakhaq munarijaat ukunanngat Baffinland uvani 2008.Una Hivunngani Maniliurahuarnikkut Ilangani nauvikhaat mikitqijaanit 3.5 Mt/a haffumani havigalik ujaraqtarviujuq uvanngat Hauvianit 1 unalu agjaqhiilugillu uvanngat Ujaraqtarvik Havagvia uvunga Milne Tulagvia avataanut Milne Kangiqhua Tigumiaqtangit Apqutit ukiuraalungmi taimaa. Una ujarait tutquumaniaqtangit iliuraqhimajut uvani Milne Tulagvia hannaijariiqhimaqut agjaqhimajut umiakkut agjaqhimalgillu niuvirumajunut angmaumagumik hikuiraangat imaq. Uqhurjuat ikajuutikhait akhaluutikhanut aulavikhangit huli agjaqtauniaqtut uqhurjuaqarvingmi uvani Milne Tulagvia ukiunnguraangat. Ujarait munariajujut aulavikhat ilaliutauhimajut ujarait iliuraimajut, ujaraqtarviujut turaaqtauvlutik ujarait uvunga ujararnut tulagviat, agjaqtauvlutik umiaqarviit tulagvingnut. Agjaqtauhimajut pivikhait uvunga Milne Tulagvia pivangniaqtut qaffiujungnaqhijut 90-ublunganit hikuiraangat inianit Taaqhivalirvia 15 uvunga Tattiarnaqtuq 15 nut. Aulavikhaanut ilangani, una tulagvik atuqhimmaaqhunnguquq umiakkut ujararnut ilagijangit hivunngani maniliurahuarnikkut ilangani aulavikhangit, pivikhainit piffaarmilutik. Umiat malikhimaniaqtangit mikitqijaanit umiaqtuqtut apqutaanit uvanngat Milne Tulagvia, ukunanngat Milne Kangiqhua iluanut Eclipse Sound iluaniittuq Nunavut Nunataarviup Iluani unalu niuviqtittijunut tulagviannut, hivunngani iluani Rotterdam unalu aahiit European Tulagvianit.

Post-Closure Phase: from to

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
New project geometry	Mine Development/Bulk Sampling	Crown	N/A	N/A	N/A

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Information is not available			

Authorizations

Indicate the areas in which the project is located:

North Baffin

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Indigenous and Northern Affairs Canada	Land Use Permit, Water Licence, Land Use Licence, Fisheries Permit, file No N2008T0014, LUA-2008-008, UN07-0050, 2AM-MRY	Active		
Nunavut Water Board	Land Use Permit, Water Licence, Land Use Licence, Fisheries Permit, file No N2008T0014, LUA-2008-008, UN07-0050, 2AM-MRY	Active		
Fisheries and Oceans Canada	Land Use Permit, Water Licence, Land Use Licence, Fisheries Permit, file No N2008T0014, LUA-2008-008, UN07-0050, 2AM-MRY	Active		
Qikiqtani Inuit Association	Land Use Permit, Water Licence, Land Use Licence, Fisheries Permit, file No N2008T0014, LUA-2008-008, UN07-0050, 2AM-MRY	Active		
Natural Resources Canada	Permit	Active		

Project transportation types

Transportation Type	Proposed Use	Length of Use
Land	Haul Truck	

Project accommodation types

Permanent Camp

Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Information is not available			

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Information is not available						

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0		

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Information is not available				

Environmental Impacts:

N/A

Additional Information

SECTION A1: Project Info

SECTION A2: Allweather Road

SECTION A3: Winter Road

SECTION B1: Project Info

SECTION B2: Exploration Activity

SECTION B3: Geosciences

SECTION B4: Drilling

SECTION B5: Stripping

SECTION B6: Underground Activity

SECTION B7: Waste Rock

SECTION B8: Stockpiles

SECTION B9: Mine Development

SECTION B10: Geology

SECTION B11: Mine

SECTION B12: Mill

SECTION C1: Pits

SECTION D1: Facility

SECTION D2: Facility Construction

SECTION D3: Facility Operation

SECTION D4: Vessel Use

SECTION E1: Offshore Survey

SECTION E2: Nearshore Survey

SECTION E3: Vessel Use

SECTION F1: Site Cleanup

SECTION G1: Well Authorization

SECTION G2: Onland Exploration

SECTION G3: Offshore Exploration

SECTION G4: Rig

SECTION H1: Vessel Use

SECTION H2: Disposal At Sea

SECTION I1: Municipal Development

Description of Existing Environment: Physical Environment

Description of Existing Environment: Biological Environment

Description of Existing Environment: Socio-economic Environment

Miscellaneous Project Information

Identification of Impacts and Proposed Mitigation Measures

Cumulative Effects

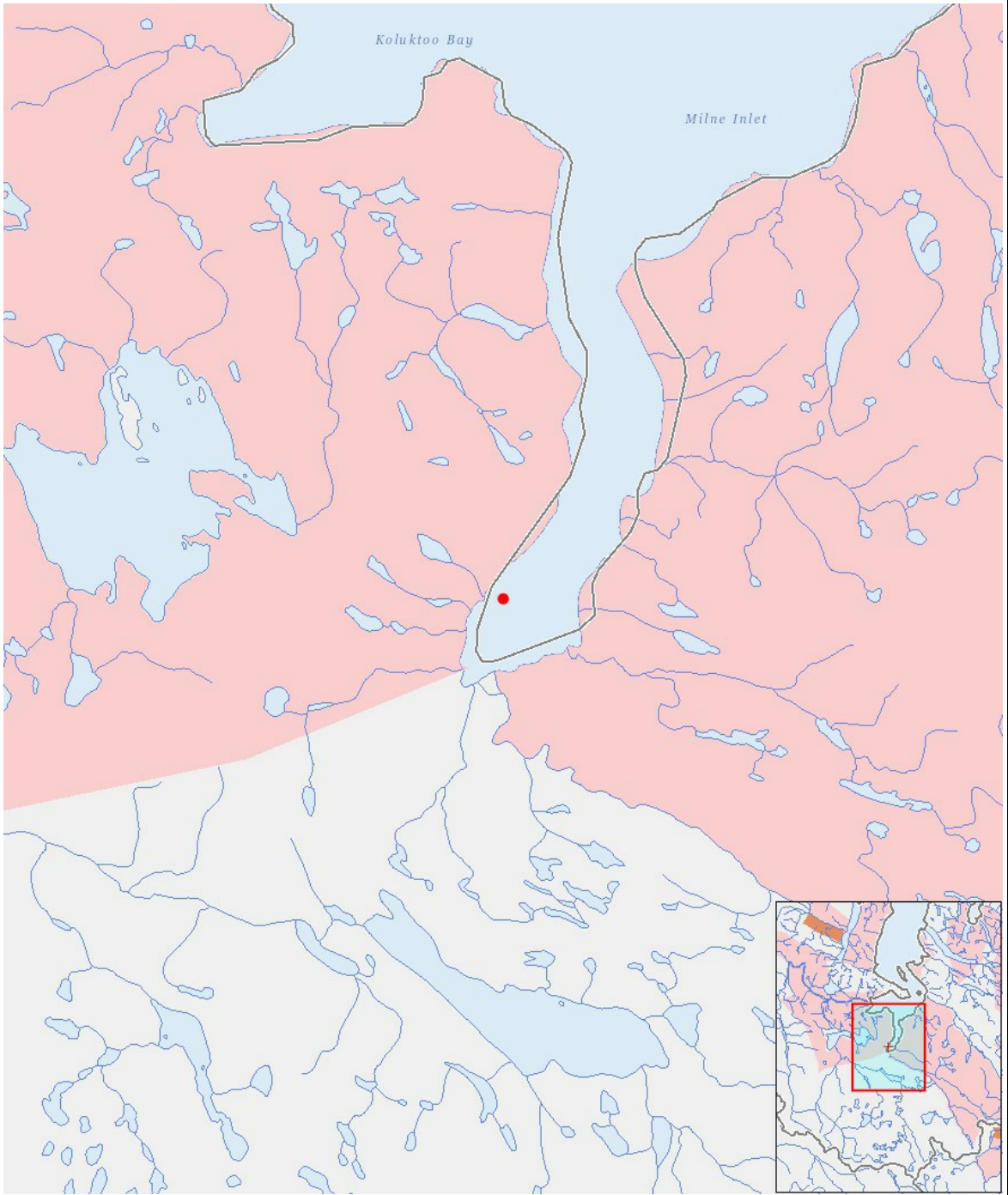
Impacts

Identification of Environmental Impacts

		PHYSICAL	Designated environmental areas	Ground stability	Permafrost	Hydrology / Limnology	Water quality	Climate conditions	Eskers and other unique or fragile landscapes	Surface and bedrock geology	Sediment and soil quality	Tidal processes and bathymetry	Air quality	Noise levels	BIOLOGICAL	Vegetation	Wildlife, including habitat and migration patterns	Birds, including habitat and migration patterns	Aquatic species, incl. habitat and migration/spawning	Wildlife protected areas	SOCIO - ECONOMIC	Archaeological and cultural historic sites	Employment	Community wellness	Community infrastructure	Human health
Construction																										
Mine Development/Bulk Sampling			U	U	U	-	U	U	U	U	U	U	U	U	U		U	U	U	U	U		U	U	U	U
Operation																										
Mine Development/Bulk Sampling			U	U	U	-	U	U	U	U	U	U	U	U	U		U	U	U	U	U		U	U	U	U
Decommissioning																										
-			-	-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-

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

Project Location



List of Project Geometries

1	point	New project geometry
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