



NIRB Application for Screening #125893

Sustaining Operations Proposal 2

Application Type: New

Project Type: Mine Development

Application Date: 3/8/2024 10:09:32 AM

Period of operation: from 2025-01-01 to 2037-12-31

Project Proponent: Megan Lord-Hoyle
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Non-technical project proposal description

French: La PMA2 nécessitera des modifications des conditions 179a) et b) du certificat de projet no 005 semblables à celles qui ont été approuvées pour 2018-2024, avec les ajustements suivants : •La PMA2 exige que la Commission du Nunavut chargée de l'examen des répercussions (CNER) modifie de nouveau les conditions 179a) et b) afin de prolonger les limites actuelles relatives au transport terrestre sur la route d'approvisionnement de l'inlet Milne jusqu'en 2030 et les limites relatives au transport maritime dans le couloir du Nord jusqu'en 2032 (sauf si, aux termes du troisième point ci-dessous, le port ou la voie ferrée de Steensby [le volet Steensby] entrent en service pendant cette période). •Baffinland demande que les conditions 179a) et b) du certificat de projet soient modifiées pour autoriser que les volumes de minerai en transit soient les mêmes pour le port de Milne et la route d'approvisionnement, en maintenant la limite des activités de transport maritime à 84 navires et l'éventualité de minerai bloqué à 0,9 Mt, actuellement en vigueur jusqu'au 31 décembre 2024. •Baffinland propose également de modifier les conditions 179a) et b) pour que seul un chevauchement minimal soit autorisé entre l'exploitation du couloir de transport du Nord et le volet Steensby. Cette approche permettra de maintenir les activités commerciales et les clients pour notre produit pendant la construction et la mise en service du volet Steensby. Une fois que le volet Steensby sera en service, la circulation sur la route d'approvisionnement aux fins du transport du minerai prendra fin dans un délai de 90 jours, et Baffinland procéderait alors à l'évacuation de tout le minerai stocké aux concasseurs extérieurs du site de la mine et au port de Milne dès que possible (ce qui devrait prendre jusqu'à deux saisons de navigation, sauf en cas de conditions météorologiques ou de défis logistiques imprévus). La PMA2 ne propose aucun changement aux activités actuelles, notamment l'extraction, la manutention et le stockage du minerai, ainsi que les activités de soutien. La poursuite de ces activités déjà approuvées soutiendra l'exploitation, l'emploi et la prestation d'avantages aux collectivités du nord de l'île de Baffin. Le maintien des niveaux de transport annuels moyens à 6 Mt/a dans le couloir de transport du Nord permettra de soutenir l'exploitation durant l'obtention d'investissements dans le volet Steensby et, par la suite, la construction et la mise en service du volet. Aucune modification n'est proposée au volet Steensby dans le cadre de la PMA2.

[illegible]

Personnel

Personnel on site: 1000

Days on site: 365

Total Person days: 365000

Operations Phase: from 2025-01-01 to 2037-12-31

Closure Phase: from 2041-01-01 to 2042-12-31

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Tote Road	Mine Development/Bulk Sampling	Inuit Owned Surface Lands	The Milne Inlet Tote Road was established in the 1960's and upgraded following the approval of the Early Revenue Phase of the Mary River Project. Under the Sustaining Operations Proposal Baffinland would continue to haul iron ore via haul trucks at a rate of 6 Mtpa to December 31, 2030. This level of activity has been carried out since 2018. Baffinland does not propose any other modification to the Tote Road, or activities occurring on the Tote Road.	The Milne Inlet Tote Road has been subject to multiple archaeological investigations. All archaeological sites within the immediate vicinity of the Tote Road have been documented and depending on the proximity to Project infrastructure, are either under protection or were mitigated, with ownership transferred to the Government of Nunavut, and stored at an approved facility. There are no new pathways to affect archaeological sites based on the proposed activities	The Project is an open-pit iron ore mine located in the Qikiqtani Region of Nunavut on northern Baffin Island, approximately 160 km south-southwest of the nearest community of Pond Inlet (Mittimatalik) and 1,000 km north-northwest of the territorial capital of Iqaluit.
Northern Shipping Route	Mine Development/Bulk Sampling	Marine	The Baffin Bay-Eclipse Sound-Milne Inlet shipping route has been used for commercial shipping since 2015. Under the Sustaining Operations Proposal, Baffinland would continue to ship iron ore at a rate of 6 Mtpa to December 31, 2032. This level of activity has been carried out since 2018.	N/A - marine area	Project vessels can be seen passing Pond Inlet in Eclipse Sound while in transit between Baffin Bay and Milne Port. Shipping lane is approximately 10 nautical miles from Pond Inlet.

			Baffinland does not propose any other modification to the shipping route, or activities along the shipping route.		
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Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Arctic Bay	Ruth Oyukuluk (Deputy Mayor) and Joeli Qamanirq	Hamlet of Arctic Bay and Ikajutit HTO	2023-12-05
Clyde River	Natanine Apak (Hamlet Member) and Nysana Qillaq (HTO Board Member)	Hamlet of Clyde River and Nangmoutaq HTO	2023-12-06
Igloolik	Edward Attagutluk (Deputy Mayor) and Salomon Mikki (HTO Member)	Hamlet of Igloolik and Igloolik HTO	2023-11-27
Cape Dorset	Jimmy Manning and Simiga Suvega	Hamlet of Kinngait and Aiviq HTO	2024-01-30
Pond Inlet	Joshua Idlout (Deputy Mayor) and Joshua Katsak (MHTO Member)	Hamlet of Pond Inlet and Mittimatalik HTO	2023-12-01
Hall Beach	Jopic Kaerneak (Acting Mayor) and Paul Nagmalik	Hamlet of Sanirajak and Sanirajak HTA	2023-11-29
Kimmirut	Maliktoo Lyta and Mikijuk Koloa (HTO representative)	Hamlet of Kimmirut and Mayukalik HTO	2024-03-12

Authorizations

Indicate the areas in which the project is located:

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Qikiqtani Inuit Association	Inuit Owned Land (IOL) Commercial Lease Q13C301	Active		2043-12-31
Qikiqtani Inuit Association	Inuit Impact and Benefit Agreement (IIBA), No expiry	Active		2043-12-31
Nunavut Water Board	Type 'A' Water Licence 2AM-MRY1325Amendment No. 1	Active		2025-06-10
Aboriginal Affairs and Northern Development Canada	Foreshore Lease 47H/16-1-2Lease Amendment 47H/16-1-5	Active		2035-06-30
Aboriginal Affairs and Northern Development Canada	Tote Road and Borrow Area Land Use Permit N2019Q0011	Active		2024-06-29
Transport Canada	Statement of Compliance of a Marine Facility # 1000000660	Active		2025-07-27

Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	No modification to the existing air service that connects the Mine Site to communities and southern Canada is proposed.	
Water	Up to 6 Mtpa will be transported by ore carrier along the established shipping route between July and October until December 31, 2032	
Land	Up to 6 Mtpa will be transported by ore haul truck along the tote road year round until December 31, 2030.	

Project accomodation 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:

Predicted environment impacts are consistent with those described in the original FEIS (2012), Early Revenue Phase FEIS Addendum (2013), Production Increase Proposal Application (2018), Production Increase Proposal Extension Application (2020), the Production Increase Proposal Renewal Application (2022) and the Sustaining Operations Proposal (2023).

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

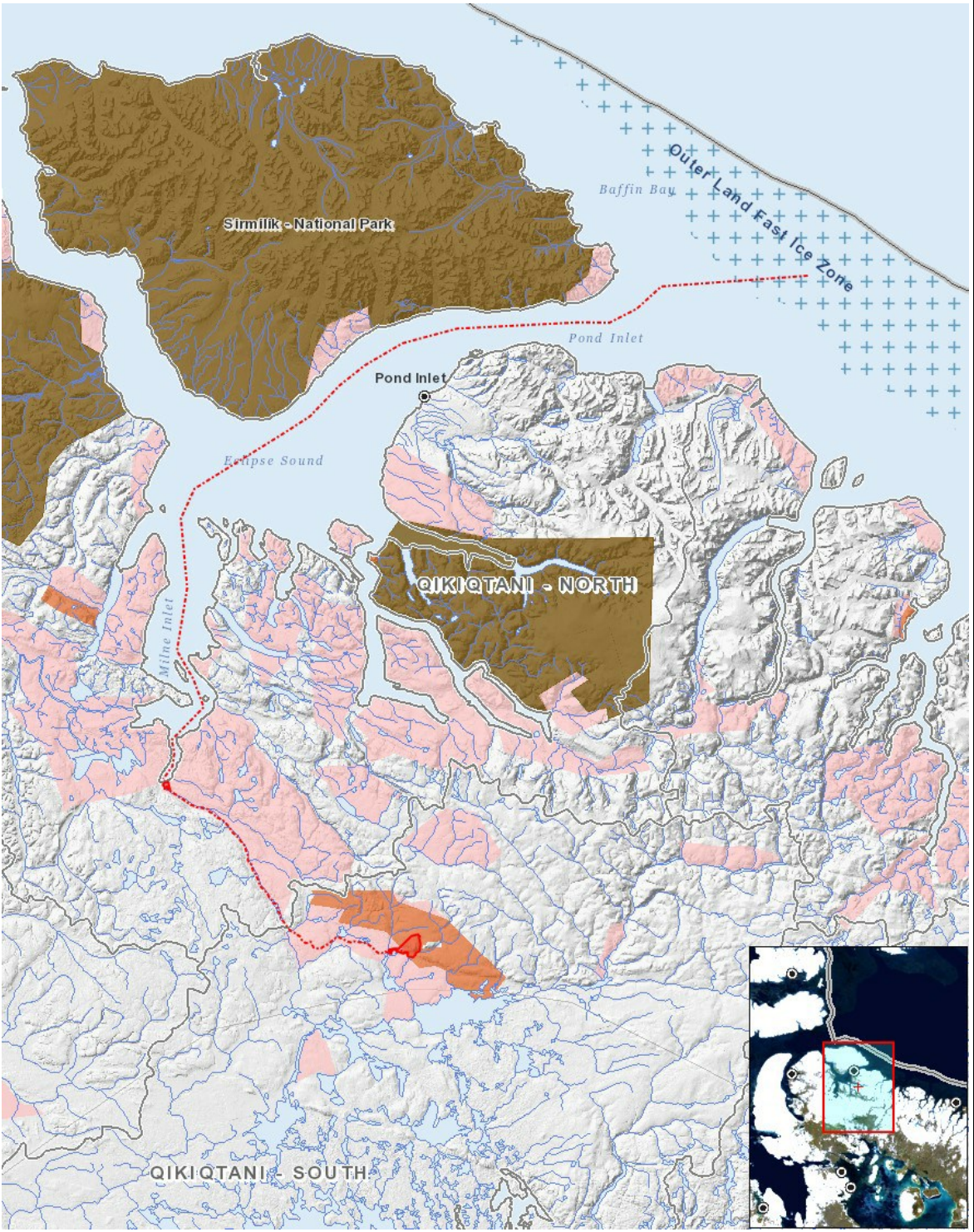
Impacts

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																									
-			-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-		-	-	-	-	-
Operation																									
Mine Development/Bulk Sampling		M	-	-	-	M	M	-	-	M	-	M	M		M	M	M	M	-		-	P	P	P	P
Decommissioning																									
Mine Development/Bulk Sampling		M	-	-	-	M	M	-	-	M	-	M	M		M	M	M	M	-		-	P	P	P	P

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

Project Location



List of Project Geometries

1	polygon	Milne Port
2	polygon	Mine Site
3	polyline	Tote Road
4	polyline	Northern Shipping Route