NIRB Application for Screening #125728
CORAL HARBOUR REMEDIATION PROJECT

Application Type:	New
Project Type:	Site Cleanup/Remediation
Application Date:	7/7/2022 9:34:40 AM
Period of operation:	from 0001-01-01 to 0001-01-01
Proposed Authorization:	from 0001-01-01 to 0001-01-01
Project Proponent:	Dele Morakinyo CIRNAC (NRO) P.O. Box 2200 Iqaluit Nunavut X0A 0X0 Canada Phone Number:: (873) 354-1694, Fax Number::

DETAILS

Non-technical project proposal description

English: Please find the executive summary in English Language attached as to the Project Documents' section as: Coral Harbour Site Remediation Project Executive Summary (English),pdf

French: Not Applicable

Inuktitut: Please find the executive summary in Inuktituit Language attached as to the Project Documents' section as: Coral Harbour Site Remediation Project Executive Summary (Inuktituit),pdf

Inuinnaqtun: Not Applicable

Personnel

Personnel on site: 35
Days on site: 105
Total Person days: 3675
Operations Phase: from 2022-04-01 to 2025-03-31
Operations Phase: from 2022-04-01 to 2025-03-31
Closure Phase: from 2024-11-01 to 2025-03-31
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
Coral Harbour Site	Site Cleanup/Remediation	Crown	Coral Harbour Site consists of areas around the Hamlet of Coral Harbour operated between the 1940s to the mid 1950s as training areas and base (staging area) for operations (including the DEW Line Sites) by the US and Canadian Militaries. In the 1970s, the airfield became the municipal airport and the rest of the site was abandoned. Site contains non-hazardous andhazardous wastes, waste disposal areas and contaminated soils	3 archaeological sites were identified on Coral . 2 of the sites are pre-contact stone feature that may represent a cache or collapsed inuksuk, and a historic tent ring. The third site not within proximity of Project components and consists of multiple stone features, both pre-contact and historic. Duribg remediation the 3 sites will be avoided. Fencing may be used to ensure avoidance.	Coral Harbour Site is about 10 km northwest of the hamlet of Coral Harbour, Nunavut,

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Coral Harbour	Hamlet and Community Members	Community of Coral Harbour	2022-03-02

Authorizations

Indicate the areas in which the project is located:

Kivalliq

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Aboriginal Affairs and Northern Development Canada	Land Use Permit (LUP)	Not Yet Applied		
Nunavut Water Board	Water Use License (WUL))	Not Yet Applied		
Aboriginal Affairs and Northern Development Canada	Quarrying Permits (QPs)	Not Yet Applied		
Government of Nunavut, Community Government & Services	Land Use Permit / Authorization certificate	Not Yet Applied		
Transport Canada	Authorization Letter for Lot 541 and 542 (previously lot 8)	Not Yet Applied		
Fisheries and Oceans Canada	Authorization Letter for Lot 1001 which is under the administration and control of DFO	Not Yet Applied		
Other	Authorization Letter from the Municipality of Coral Harbour for Lot 384 which is a municipal land, occupied by DFO without interest	Not Yet Applied		

Project transportation types

Transportation Type	Proposed Use	Length of Use
Air		

Project accomodation types

Temporary Camp

Material Use

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

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Backhoe	3	> minimum Weight 10 tons	Site Remediation - demolition, construction, grading, regrading etc. (precise details to provided by successful contractor)
Tracked Tractors	2	> minimum Weight 10 tons	Site Remediation - demolition, construction, grading, regrading etc. (precise details to provided by successful contractor)
others - various	10	> minimum Weight 10 tons	Various - Site Remediation - demolition, construction, grading, regrading etc. (precise details to provided by successful contractor)

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Diesel	fuel	10	10000	100000	Liters	run equipment, vehicles and camp heating
Gasoline	fuel	10	205	2050	Liters	run vehicles and ATVS
None	hazardous	0	0	0	Liters	N/A

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
13	Pumping, on-site treatment and trucking to camp. Details of treatment and polishing unit to be provided by successful contractor, after contract award.	On-site freshwater source to be determined by the successful remediation contractor

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Site Cleanup/Remediation	Combustible wastes	To be determined (TBD)	On-site incineration in an enclosed container	None
Site Cleanup/Remediation	Greywater	5000 L/day	Disposed of with sewage	None
Site Cleanup/Remediation	Hazardous waste	TBD	Shipped off-site to a licensed southern facility	None
Site Cleanup/Remediation	Non-Combustible wastes	TBD	Shipped off-site for disposal	None
Site Cleanup/Remediation	Overburden (organic soil, waste material, tailings)	TBD	Shipped off-site for disposal	None
Site Cleanup/Remediation	Sewage (human waste)	2000 L/day	On-site Lagoon or other approach that may be suggested by the contractor	None

Environmental Impacts:

The predicted environmental impacts of this project and the proposed mitigations are contained in the attached Project Proposal Report (PPR). After the application of the mitigation measures proposed in the PPR, the potential residual effects of the project are anticipated: to be short-term in nature with the exception of potential effects to groundwater associated with theNHW facility; to occur occasionally throughout the Project; and to be limited to areas directly disturbed by the Project (footprint) and areas within 500 m of the footprint because the Project will use areas of existing disturbance as much as possible to mitigate potential residual effects. The effects to all value components (VCs) are evaluated as low magnitude and will not threaten the sustainability of VCs.

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

- <10 m3 Batteries - Removal of batteries from vehicles and equipment, if present, and off-site disposal at a registered hazardous waste facility.-~134,100 L Liquid - To be sampled and incinerated on-site if they meet incineration criteria. Residual ashes disposed of in the recommended on-site NWH facility following leachate analysis. Barrel contents unfit for incineration will be amalgamated and shipped off-site to a licensed facility for treatment and/or disposal. For incinerated remains disposed of in NHW, the NHW will undergo long term monitoring (LTM) post remediation- >5 m3 Asbestos - Abate, double bag and dispose of in the recommended on-site NHW facility. The NHW will undergo long term monitoring (LTM) post remediation.>100 m2 Lead Amended Paint - Partial abatement on-site of poorly adhered paint and off-site disposal of removed paint at hazardous waste facility. Following partial abatement, materials with remaining well adhered paint may be treated with Lead Defender® and disposed of in the on-site NHW facility. The NHW will undergo long term monitoring (LTM) post remediation.-16000L Aqueous Liquid - To be sampled and incinerated on-site if they meet incineration criteria. Residual ashes disposed of in the recommended on-site NWH facility following leachate analysis. Barrel contents unfit for incineration will be amalgamated and shipped off-site to a licensed facility for treatment and/or disposal. For incinerated remains disposed of in NHW, the NHW will undergo long term monitoring (LTM) post remediation- unknown volume (m3) of Hazardous Buried Debris - Classification of the WDAs in accordance with the AMSRP to designate each as a Class A, B or C and determine the appropriate remedial action prior to the remedial program. Dispose of as HW if indicated by results. For wastes disposed offsite, no further treatment required. For wastes disposed in the NHW, the facility will undergo LTM post remediation.- 60 m3 (vol. after crushing) - The non-hazardous waste (empty barrels) will be emptied, cleaned, crushed, and disposed of in a non-hazardous waste (NHW) facility constructed at the Site. The NHW will undergo long term monitoring (LTM) post remediation- 6815 m3 (in waste disposal areas (WDAs)) - The WDAs will be classified in accordance with the Abandoned Military Site Remediation Protocol (AMSRP) (INAC, 2008) to designate each as a Class A, B or C and determine the appropriate remedial action prior to the remedial program. Any excavated hazardous materials shall be segregated and disposed off-site, while excavated NHW will be disposed of in the on-site NHW facility. The NHW and any WDA left in place will undergo long term monitoring (LTM) post remediation- 80 m3 (may contain some combustible wood) - The Infrastructure (Tank Farm and Wooden Shed) will be dismantled, incinerated or compacted, and non-combustibles will be disposed of in the on-site NWH facility. Tank farm will require an assessment prior to remedial program to determine if/what contents are present and if the paint on tanks is amended paint. The NHW will undergo long term monitoring (LTM) post remediation.- 3430 m3 The surface solid debris will be collected, segregated, shredded, compacted and disposed of in the on-site NWH facility. Combustibles such as inert wooden materials will be segregated and incinerated on-site. The NHW will undergo long term monitoring (LTM) post remediation.- 1950 m3 Soil (PHC) - surface staining - Areas of surficial staining to be excavated to an assumed depth of 1 m and disposed of in the on-site NHW facility. Excavated areas to be filled with borrow material and regraded to match surrounding landscape.

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

Please refer to the attached Phase III ESA, RAP and PPR

Description of Existing Environment: Biological Environment

Please refer to the attached Phase III ESA, RAP and PPR

Description of Existing Environment: Socio-economic Environment

Please refer to the attached Phase III ESA, RAP and PPR

Miscellaneous Project Information

None

Identification of Impacts and Proposed Mitigation Measures

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Cumulative Effects

Reference to the attached PPR

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																									
Site Cleanup/Remediation		-	P	P	-	P	P	P	P	M	-	M	-		P	P	P	P	-		M	P	P	P	P
Operation																									
Site Cleanup/Remediation		-	P	P	-	P	P	P	P	P	-	P	-		P	P	P	P	-		P	P	P	P	P
Decommissioning																									
-		-	-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-

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

Project Location

List of Project Geometries

1	point	Coral Harbour Site