



NIRB Uuktuutinga Ihivriughikhamut #125728

CORAL HARBOUR REMEDIATION PROJECT

Uuktuutinga Qanurittuq: New

Havaap Qanurittunia: Site Cleanup/Remediation

Uuktuutinga Ublua: 7/7/2022 9:34:40 AM

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

Piumayaat Angirutinga: from 0001-01-01 to 0001-01-01

Havauhikhaq Ikayuqtinga: Dele Morakinyo
CIRNAC (NRO)
P.O. Box 2200
Iqaluit Nunavut X0A 0X0
Canada
Hivayautit Nampanga:: (873) 354-1694, Kayumiktukkut Nampanga::

QANURITTUT

Tukihinnaqtunik havaariyayumayumik uqauhiuyun

Qablunaatitut: 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

Uiviititut: 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

Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunangga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaliyainnit nuna
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 and hazardous 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. During 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,

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Salliq	Hamlet and Community Members	Community of Coral Harbour	2022-03-02

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Kivalliq

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Nunaqaqqaahimayuliriyikkut Ukiuqtaqtumi Pivallianiq Kaanata	Land Use Permit (LUP)	Not Yet Applied		
Nunavut Imaligiyit Katimayit	Water Use License (WUL))	Not Yet Applied		
Nunaqaqqaahimayuliriyikkut Ukiuqtaqtumi Pivallianiq Kaanata	Quarrying Permits (QPs)	Not Yet Applied		
Government of Nunavut, Community Government & Services	Land Use Permit / Authorization certificate	Not Yet Applied		
Tingmiliqiyiitkut Kaanatami	Authorization Letter for Lot 541 and 542 (previously lot 8)	Not Yet Applied		
Iqalukhiurniqmut Tariuqmilu Kaanata	Authorization Letter for Lot 1001 which is under the administration and control of DFO	Not Yet Applied		
Alaanut	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	Qanuq Atuqtauniarmangaa	Length of Use
Air		

Project accomodation types

Temporary Camp

Ihuaqtivaluin Atuqtauyukhan

Hanalrutit atuqtaunahuat (ukuallu ikuutat, pampiutainnik, tingmitinik, akhaluutinik, hunaluuniit)

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
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)

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
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

Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqittagaani qanuq	Atulirumayain imavaluin utiqittagani humi
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

Iqqakuq

Ikkakunik Munakgiyauyunik

Havauhikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyauyuq Qanuraaluktut Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtirarnirutikhan piyutin
Site Cleanup/Remediation	Ikulalaaqtun iqqakuuvaluin	To be determined (TBD)	On-site incineration in an enclosed container	None
Site Cleanup/Remediation	Qimarivyaktuq imaq	5000 L/day	Disposed of with sewage	None
Site Cleanup/Remediation	Hivuuranaqtun iqakuuvaluin	TBD	Shipped off-site to a licensed southern facility	None
Site Cleanup/Remediation	Ikulalimanngittun iqqakuuvaluin	TBD	Shipped off-site for disposal	None
Site Cleanup/Remediation	Atakuin (halumaiqtun nunan, iqqakuuvaluillu uyaqqiqivingmin)	TBD	Shipped off-site for disposal	None
Site Cleanup/Remediation	Anaagun (inuin anaaguin)	2000 L/day	On-site Lagoon or other approach that may be suggested by the contractor	None

Avatiliriniqmut Ayurhauingit:

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 the NHW 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 NWH, the NWH will undergo long term monitoring (LTM) post remediation- >5 m³ Asbestos - Abate, double bag and dispose of in the recommended on-site NWH facility. The NWH 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 NWH facility. The NWH 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 NWH, the NWH 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 NWH, 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 NWH 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 NWH 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 NWH 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 NWH 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

Qanurittuq Ittunik Avatinga: Avatingalluanga

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

Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga

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

Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga

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

Miscellaneous Project Information

None

Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikkliyuumiutinahuarutit

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 the NHW 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.

Tamatkiumayunik Ihuikgutivaktunik

Reference to the attached PPR

Impacts

Ilitariyauniq Avatiliriniqmut Ayurhauingit

	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
Havakvinga																									
Site Cleanup/Remediation	-	P	P	-	P	P	P	P	P	M	-	M	-		P	P	P	P	-		M	P	P	P	P
Aulapkaininnga																									
Site Cleanup/Remediation	-	P	P	-	P	P	P	P	P	P	-	P	-		P	P	P	P	-		P	P	P	P	P
Piiqtauniq																									
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

(P = Nakuuyuq, N = Nakuungittut unalu mikhilimaittuq, M = Nakuungittut unalu mikhittaaqtuq, U = Naluyayuq)

Havaariyauyukhamut Nayugaa



List of Project Geometries

1	point	Coral Harbour Site
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