

Project Dashboard

CORAL HARBOUR REMEDIATION PROJECT (149576)

Proposal Status: Conformity Determination Issued

Project Overview

Type of application: **New**

Proponent name:	Charlotte Lamontagne
Company:	AANDC (CSPNU), Govt of Canada

Schedule:

Start Date:	2022-04-01
End Date:	2025-03-31
Operation Type:	Annual

Project Description:

This project concerns the clean up of Coral Harbour contaminated site located in the Kivalliq region, Nunavut at approximately: Latitude: 64° 11' 30.257" N; and Longitude: 83° 21' 0" W. The site is about 10 km northwest of the hamlet of Coral Harbour, Nunavut, which is the nearest community to the site. Coral Harbour has a population of approximately 770 (Statistics Canada 2006 Census). Areas of potential environmental concern (APECs) at the site are accessible by foot; ATV/snowmobile; regular scheduled flights. Coral Harbour site is a former military base utilized by both American and Canadian forces from the 1940s to the 1970s. The site acted as a base of northern operations throughout the arctic, including construction of the Distant Early Warning Radar Line (DEW Line). It consisted of a military airfield, hospital and personnel housing units. The contract for the remediation work is expected to be awarded by July 2022 and the clean up works will take place in October 2022 and March 31 2025.

Personnel:

Persons:	35
Days:	105

Project Map

List of all project geometries:

ID	Geometry	Location Name
8921	point	New project geometry

Planning Regions:

Kitikmeot

Affected Areas and Land Types

Municipal

Settlement Area

Keewatin Planning Region

Southampton and Coats Island

Project Land Use and Authorizations

Project Land Use

Site Cleanup/Remediation

Licensing Agencies

INAC: Quarry Permit

INAC: Class A Land Use Permit

GN-CGS: 0

Other Licensing Requirements

No data found.

Material Use

Equipment

Type	Quantity	Size	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)

Fuel Use

Type	Container(s)	Capacity	UOM	Use
Diesel	10	10000	Liters	run equipment, vehicles and camp heating
Gasoline	10	205	Liters	run vehicles and ATVS

Hazardous Material and Chemical Use

Type	Container(s)	Capacity	UOM	Use
None	0	0	Liters	N/A

Water Consumption

Daily Amount (m ³)	Retrieval Method	Retrieval Location
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15	Retrieval methods to be determined by the Remediation Contractor	Location to be determined by the remediation contractor
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Waste and Impacts

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 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.

Waste Management

Waste Type	Quantity Generated	Treatment Method	Disposal Method
Non-Combustible wastes	60 m3 (vol. after crushing)	The NHW will undergo long term monitoring (LTM) post remediation	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
Non-Combustible wastes	6815 m3 (in waste disposal areas (WDAs))	The NHW and any WDA left in place will undergo long term monitoring (LTM) post remediation	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 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.
Non-Combustible wastes	80 m3 (may contain some combustible wood)	The NHW will undergo long term monitoring (LTM) post remediation	The surface solid debris will be collected, segregated, shredded, compacted and disposed of in the on-site NWH facility.
Non-Combustible wastes	3430 m3	The NHW will undergo long term monitoring (LTM) post remediation	Combustibles such as inert wooden materials will be segregated and incinerated on-site.
Overburden (organic soil, waste material, tailings)	1950 m3	N/A	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.
Hazardous waste	> 5 m3	The NHW will undergo long term monitoring (LTM) post remediation	Asbestos - Abate, double bag and dispose of in the recommended on-site NHW facility.
Hazardous waste	> 100 m2	The NHW will undergo long term monitoring (LTM) post remediation	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 will be treated with LeadDefender® and disposed of in the on-site NHW facility.
Hazardous	< 10 m3	N/A	Batteries - Removal of batteries from vehicles and equipment, if present, and off-site disposal at a registered hazardous waste facility.
Hazardous	~134,100 L	For incinerated remains disposed of in NHW, the NHW will undergo long term	Liquid - To be sampled and incinerated on-site if they meet incineration criteria. Residual ashes disposed of in the recommended on-

		monitoring (LTM) post remediation	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.
			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.
Hazardous waste	16000 L	For incinerated remains disposed of in NHW, the NHW will undergo long term monitoring (LTM) post remediation	
			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.
Hazardous waste	unknown volume (m3)	For wastes disposed offsite, no further treatment required. For wastes disposed in the NHW, the facility will undergo LTM post remediation.	