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Nunavunmi Parnaiyit
Nunavut Planning Commission
Commission d'Aménagement du Nunavut



PUBLIC REGISTRY



Project Proposal Notices

Project Proposals

Public Registry - Project Proposals

NPC 149576: CORAL HARBOUR REMEDIATION PROJECT

Proposal Status: Conformity Determination Issued

Overview

Documents

Questionnaire

Project Overview

Type of application: New

Proponent name: Charlotte Lamontagne

Proponent company: AANDC (CSPNU), Govt of Canada

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.

Project Schedule

Start Date: 2022-04-01

End Date: 2025-03-31

Project Map

List of project geometries:

Id	Geometry	Location Name
8921	point	New project geometry

NPC Planning regions:

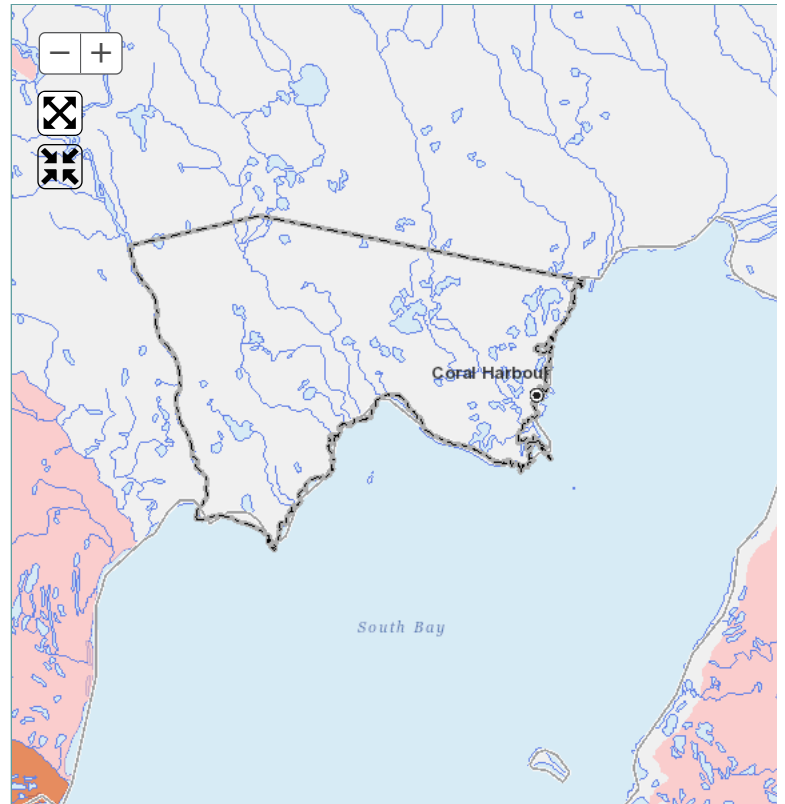
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Project Land Use and Authorizations

Project Land Use:

Site Cleanup/Remediation

Licensing Agencies:



Government of Canada - Crown-Indigenous Relations and Northern Affairs Canada
 Government of Canada - Crown-Indigenous Relations and Northern Affairs Canada
 Government of Nunavut - Community and Government Services

Material Use

Equipment:

Type	Quantity	Type	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	Capacity	Use
Diesel	10	10000	run equipment, vehicles and camp heating
Gasoline	10	205	run vehicles and ATVS

Hazardous Material and Chemical Use:

Type	Container	Capacity	Use
None	0	0	N/A

Water Consumption:

Daily Amount (m ²)	Retrieval Method	Retrieval Location
15	Location to be determined by the remediation contractor	Retrieval methods to be determined by the Remediation Contractor

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

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 NHHW, the NHHW will undergo long term monitoring (LTM) post remediation	Liquid - To be sampled and incinerated on-site if they meet incineration criteria. Residual ashes disposed of in the recommended on-site NHHW 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 NHHW, the NHHW will undergo long term monitoring (LTM) post remediation	Aqueous Liquid - To be sampled and incinerated on-site if they meet incineration criteria. Residual ashes disposed of in the recommended on-site NHHW 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	> 100 m2	The NHHW 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 NHHW facility.
Hazardous waste	unknown volume (m3)	For wastes disposed offsite, no further treatment required. For wastes disposed in the NHHW, the facility will undergo 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	> 5 m3	The NHHW will undergo long term monitoring (LTM) post remediation	Asbestos - Abate, double bag and dispose of in the recommended on-site NHHW facility.
Non-Combustible wastes	3430 m3	The NHHW 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 NHHW facility. Combustibles such as inert wooden materials

Non-Combustible wastes	60 m3 (vol. after crushing)	The NHW will undergo long term monitoring (LTM) post remediation	will be segregated and incinerated on-site. 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.
Non-Combustible wastes	80 m3 (may contain some combustible wood)	The NHW will undergo long term monitoring (LTM) post remediation	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.
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.

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