



NIRB Uuktuutinga Ihivriughikhamut #125992

Bernard Harbour PIN-C Contaminated Site Remediation Project

Uuktuutinga Qanurittuq: New

Havaap Qanurittunia: Site Cleanup/Remediation

Uuktuutinga Ublua: 8/22/2024 2:57:49 PM

Period of operation: from 2025-09-09 to 2026-09-09

Havauhikhaq Dele Morakinyo

Ikayuqtinga: CIRNAC (NRO)

P.O. Box 2200

Iqaluit Nunavut X0A 0X0

Canada

Hivayautit Nampanga:: (873) 354-1694, Kayumiktukkut Nampanga::

Tukhiannaqtunik havaariya uyumayumik uqauhiyun

Qablunaatitut: PIN C BERNARD HARBOUR SITE REMEDIATION PROJECT Non-Technical Summary – Project Description Crown Indigenous Relations and Northern Affairs Canada (CIRNAC) plans to complete an environmental clean-up project of the PIN-C, Bernard Harbour Former Intermediate Distant Early Warning (DEW) Line site. The site is located in the Kitikmeot Region of Nunavut, on the shores of Dolphin and Union Strait (68.781824°N, 114.832372°W). The hamlet of Kugluktuk is the nearest community located approximately 100 km south of the site. The site was constructed in 1958 and subsequently abandoned in 1963. CIRNAC became the custodian of the Site in 1965. A limited cleanup program was completed in 1985 on behalf of the Department of National Defense (DND), Environment Canada (ECCC), and CIRNAC. During the program, the former POL tanks at the Main Station and Beach, equipment, and hazardous materials were removed from the site. The proposed project is the result of multiple years of assessment (1995-2022) and remediation activities that were completed at the site since its abandonment. The objective of the project is to demolish old buildings and structures, remove all remaining hazardous and non-hazardous debris, contaminated soil, and dispose of materials at offsite facilities. Some contaminated soil will also be treated on-site during the project. It is assumed that the project will take 2 seasons to complete with site work occurring from approximately late August 2025 to September 30, 2025, and June 2, 2026 to September 15, 2026. Access to the site will be by sealift/barge and air. A temporary seasonal camp will be set-up at the site for project personnel. It is anticipated that the project will require approximately 25 people to be on site at various stages to complete the cleanup activities. Throughout the project a strong working relationship will be developed and maintained with the nearby community of Kugluktuk. Community engagement sessions will be held with stakeholders and community members throughout the project. Successful completion of the clean-up project will improve conditions at the former DEW Line site so there will be no unacceptable risks to human health or the ecological environment and no future monitoring requirements.

Uiviititut: N/A

[illegible]

Inuinnaqtun: PIN C NULAHUKYUK HAVAKVIANIK PITQUHIANUT UTIQTIRIYUT HAVAANGITayuqnaittunut Naunaitkutat – Havaaghanut NaunaitkutatKing Kivgaqtiit-Nunaqaqqaqhimayut Ukiuqtaqtumiullu Ikayuqtiit Kanatam (CIRNAC) avatinik halummaqhiniaqhimayut utiqtitillugu nuna havaaghakkut PIN-C-mi, Nulahukyungmi Hivuanu Tuulaiminiuyuq (DEW) havakvigaluangat. Hamna havakvingminiQ Qitiqmiuniittuq Nunavunmi, hinaani Dolphin taamnal Union Ikirahaanit (68.781824°N, 114.832372°W). Haamlangat Qurluqtuq

qanitqiyauyuq ungahiaqtumik 100 km-nik hivuraanit havakvium. Havakviminiq hamna hanayauhimagyuq 1958-mi taimaalu qimaktauhimagyuq 1963-mi. CIRNAC munaqtiuliqtuq Havakvingnik 1965-mi. Tamatkighimaittumik halummaqtiqtauhimagyuq 1985-mi taapkuninnga Havakviat Anguyaqtiliqiyit (DND), Avatiliqiyit Kanatami (ECCC), CIRNAC-kullu. Aulatillugu, POL-nguyut qattaqyuit Havakvilluanit Hinaanilu, ingilrutit, amirnaqtullu hunaqutit ahivaqtauhimagyuq havakviminiqnit. Tughirautauyuq havaaghat hapkua qauyihagtauhimavaktuq amihunik ukiunik (1995-2022) utiqittinahuaqhugu pitquhianut iniqtauhimagyuq hamani qimaqtauvianit. Havaaghatigut hapkunuuna ituptiriyumayut utuqqanik ikluqpamininik, ahivailutiklu amirnaqtunik amirnaittuniklu iqgakunik, kuvivuihimagyuniklu nunanik, iqqakuqlugillu hunavaluit ahinit iqgakurvingnit. Ilangi kuviviuvaktut nunat halummaqtiqtauniat talvani havakvingnit havaangutillugu. Ihumagiyauyuq taimaa havaaghat hapkua aulavangniat malruulutik ukiut talvanngat August 2025-mit September 30-mut, 2025-mi, June 2-milu, 2026-mit September 15-mut, 2026. Upaktauvangniaqtuq havakviminiq hapkua umiakkut/agyaqtautikkut tingmiakkullu. Nayugakaffuunahuaqtuq tupiqtuqviuluni makitauluni talvani havaktinut. Naahuriyauyuq taimaa havaaghat hapkua 25-nik havaktiqarniat talvani qakugukiaq halummaqtiqtaupluni iniqtauyaaminik. Havaangutillugu hapkua hakugighainahuat havaqatigiiktunik aulapkaqtitaunilu taapkualu nunallaarmiut Qurluqtumit. Nunallaarni katimapkaivangniat havakviillu nunallaarmiuniklu havaaghat hapkua aulatillugit. Iniqhiyumayut halummaqhiyut ihuaqhailutauniat maniraqmik DEW Laiminiqnit taimaa ihuilutaittaamik amirnaqtunik inungnut avatinullu uumayunut hivunighamilu munaqtauhiuriami.

Personnel

Personnel on site: 25

Days on site: 119

Total Person days: 2975

Operations Phase: from 2025-09-09 to 2026-09-09

Operations Phase: from 2025-09-09 to 2026-09-09

Closure Phase: from 2025-09-09 to 2026-09-09

Post-Closure Phase: from to

Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannguqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaliyainnit nuna
Coordinates of centre of the PIN C Site	Site Cleanup/Remediation	Crown	The PIN-C, Bernard Harbour Former Intermediate Distant Early Warning (DEW) Line site was constructed in 1958 and subsequently abandoned in 1963. Crown Indigenous Relations and Northern Affairs Canada (CIRNAC) later became the custodian of the Site in 1965.	The AIA reported that there are 51 previously recorded archaeology sites within 60 km of the proposed Project, 10 of those are within 10 km of the proposed Project. No affected heritage sites were identified or recorded at the PIN-C Bernard Harbour Site in the AIA (ERM 2022), nor at nearby areas of previously undisturbed terrain where proposed Project remediation activities are planned.	The hamlet of Kugluktuk is the nearest community located approximately 100 km south of the site.
Coordinates of centre of the PIN C Site	Camp	Crown	A temporary camp will be set-up at the site for project personnel. Camp operations will meet all regulatory requirements and manage water, wastewater and waste in an environmentally responsible manner. It is anticipated that the project will require approximately 25 people to be	N/A	N/A

			on site at various stages to complete the cleanup activities.		
Coordinates of centre of the PIN C Site	Quarry/Borrow pit	Crown	A small quarry will be established to support the •Excavation of borrow material, backfilling and grading of all excavated areas.	The AIA reported that there are 51 previously recorded archaeology sites within 60 km of the proposed Project, 10 of those are within 10 km of the proposed Project. No affected heritage sites were identified or recorded at the PIN-C Bernard Harbour Site in the AIA (ERM 2022), nor at nearby areas of previously undisturbed terrain where proposed Project remediation activities are planned.	N/A

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Kugluktuk	Community Members of Kugluktuk	Crown Indigenous Relations and Northern Affairs Canada	2023-02-28

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq:

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Alaanut	Nunavut Planning Commission (NPC) - Conformity Check	Active	2024-08-15	
Indigenous and Northern Affairs Canada	Land Use Permit and Quarry Permit	Not Yet Applied		
Nunavut Imaligiyyit Katimayit	Water Use License	Not Yet Applied		

Project transportation types

Transportation Type	Qanuq Atuqtauniarmangaa	Length of Use
Air	Crew and materials mobilized by Charter flights	
Water	Equipment and materials transported using sealift	

Project accomodation types

Temporary Camp

Ihuaqutivaluin Atuqtauyukhan

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

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
bulldozer	tbd	various	spreading material
tractor	tbd	various	tilling soil
loader	tbd	various	loading materials
grader	tbd	various	grading materials
compactor	tbd	various	compacting materials
Excavatotor	2	various	soil excavation, granular production
Trucks Pickup	2	medium	Crew transport light duties
ATVs	4	meduin	site travel
Excavator	2	Various	soil excavation, granular production
Loaders	3	various	Granular fill Placement

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Diesel	fuel	1450	208	301600	Liters	Machinery
Gasoline	fuel	2	205	410	Liters	run equipment, vehicles, camp heating

Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqittagaani qanuq	Atulirumayain imavaluin utiqittagani humi
6	Pumping and on-site treatment	Historic Drinking Water Lake located approximately 1 km northwest of the Main Station

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	Qirnarivyaktuq imaq	To be determined (TBD)	Dispose on-site in compliance with applicable permit requirements	None
Site Cleanup/Remediation	Qayangnaqtut	210 cu m	Collect, containerize, and transport off site for disposal at a licensed facility	None
Site Cleanup/Remediation	Ikulalimanngittun iqqakuuvaluin	TBD	Shipped off-site for disposal	None
Site Cleanup/Remediation	Atakuin (halumaiqtun nunan, iqqakuuvaluillu uyaqqiqivingmin)	1000 cu m	Collect, containerize, and transport off site for disposal at a licensed facility.	Treat 800 cu m on site.
Site Cleanup/Remediation	Anaagun (inuin anaaguin)	TBD	On -site sewage treatment system or off-site disposal	None

Avatiliriniqmut Ayurhauingit:

Refer to the attached Project Proposal Report (PPR) for further details. The purpose of the PPR was to assess the environmental, social, economic, and cultural effects of the proposed Project and develop mitigation measures for identified impacts where necessary. The effects assessment found that onsite and offsite negative residual effects to VCs are expected to be short to medium-term (i.e., proposed Project duration) with no long-term negative impacts identified. Importantly, there are no anticipated significant negative residual effects nor are there any negative cumulative effects from the proposed Project on any VCs after implementation of avoidance and mitigation measures. The proposed Project is expected to have a positive impact on many VCs in the long-term by removing contaminated soils/substrate and debris to improve environmental, social, economic and cultural components both on and off the Site. VCs with significant positive effects from the proposed Project include topography and aesthetics, geology, landforms and permafrost, ecological integrity, and socioeconomics. If negative residual effects of the proposed Project are later considered to be contributing to cumulative effects, monitoring and adaptive management will be applied. Community engagement is ongoing for the proposed Project and any concerns or comments will be addressed.

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

Please refer to attached Remedial Action Plan for Details.

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 PPR.

Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga

Please refer to the attached PPR.

Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga

Please refer to the attached PPR.

Miscellaneous Project Information

Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit

Please refer to the attached PPR.

Tamatkiumayunik Ihuikgativaktunik

Please refer to the attached PPR.

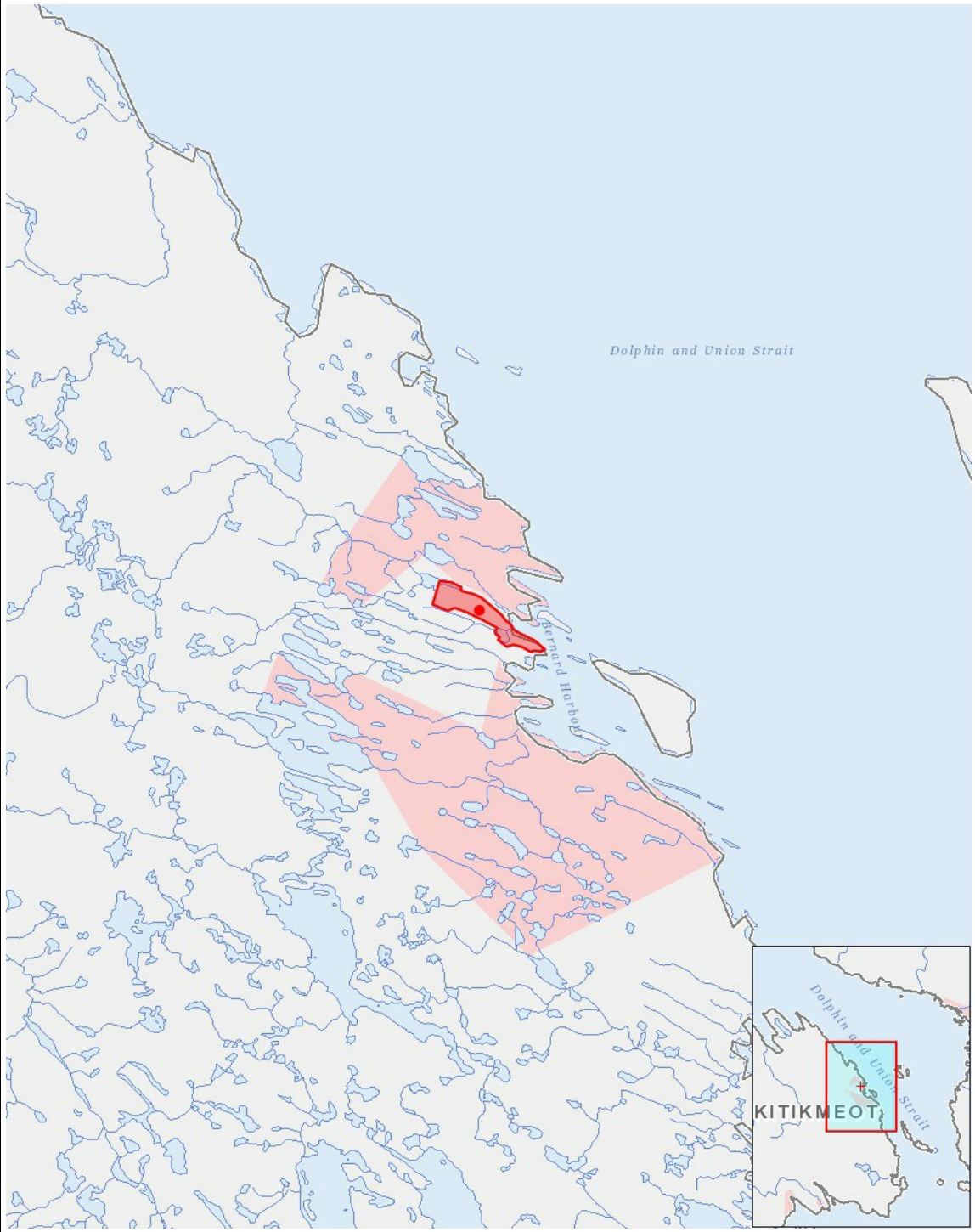
Impacts

Ilitariyauniq Avatiliriniqmut Ayurhautingit

[illegible]

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

Havaariyauyukhamut Nayugaa



List of Project Geometries

1	polygon	Coordinates of centre of the PIN C Site
2	polygon	Coordinates of centre of the PIN C Site
3	point	New project geometry