

Personnel

Personnel on site: 5

Days on site: 60

Total Person days: 300

Operations Phase: from 2018-06-01 to 2028-06-01

Hulilukaarutit

Hulilukaarutit

Inigiya	Hulilukaarut Qanurittuq	Nunannga Qanurittaakhaanik	Initurlinga qanuritpa	Initurlinga utuqqarnitat unaluuniit Ingilraaqnitat Uyarannuqtut akhuurninnga	Qanitqiyauyuq qanitqiamut nunallaat kitulluuniit ahiruqtaiiyainnit nuna
FOX-3, Dewar Lakes Camp Location	Camp	Crown	FOX-3 was built in the 1950's as one of the Distant Early Warning Line (DEW Line) radar sites which stretched from Alaska to Greenland. In the 1980's, the DEW Line in Canada evolved into the North Warning System (NWS) with radar sites extending from the Yukon across the Arctic and down the Labrador coast. FOX-3 was modernized as part of this transition in 1995.	Archeological studies were conducted in 1990 and 2007. Areas of importance have been noted and avoided.	Clyde River, 230 km to the northeast; Qikiqtarjuaq, 320 km to the southeast; Hall Beach, 410 km to the west.
FOX-3, Dewar Lakes Camp Location	Landfarm	Crown	The site for this landfarm is indicated on attached maps. The location was used during the DEW Line Clean up Project for their landfarm facility.	The site of the landfarm has no archeological value	Clyde River, 230 km to the northeast; Qikiqtarjuaq, 320 km to the southeast; Hall Beach, 410 km to the west.

Nunaliin Ilauyun, Aviktuqhimayuniitunullu Ikayuuhiarunguyun

Nunauyuq	Atia	Timiuyuq	Upluani Uqaqatigiyaungmata
Information is not available			

Angiuttauvaktunik

Naunaiqlugu nunanga talvani havauhikhaq ittuq

South Baffin

Angiuttauvaktunik

Munariniqmut Ayuittiaqtuq	Angirutinga Qanurittuq	Tadja Qanurittaakhaanik	Ublua Tuniyauyuq/Uuktuqtuq	Umikvikhaa Ublua
Nunavut Imaligiyyit Katimayit	This NIRB submission is required for the renewal / amendment for an	Not Yet Applied		

	existing Water Use Licence (3BC-FOD0919) issued by the Nunavut Water Board.			
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Project transportation types

Transportation Type	Qaffiuyut	Qanuq Atuqtauniarmangaa	Length of Use
Air	0		

Project accomodation types

Permanent Camp

Ihuaqutivaluin Atuqtauyukhan

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

Hanalrutit Qanurittuq	Qaffiuyut	Aktikkulaanga – Qanurittullu	Qanuq Atuqtauniarmangaa
Excavator	1	10X3X3 m	Digging
Dump Truck	2	3x5x2 m	Moving Aggregate
Loader	2	7x4x2 m	Earthworks
Dozer	1	6x3x4 m	Earthworks
Grader	1	9x2x3 m	Grading
Pickup Truck	1	6x2x2 m	Transportation

Qanurittuq Urhuqyuaq unalu Qayangnaqtut Hunavaluit Aturninnga

Qanurittuq urhuqyuaq hunavaluit aturninnga:	Urhuqyuaq Qanurittuq	Qaffiuyut qattaryut	Qattaryuk Aktikkulaanga	Atauttimut Qaffiuyut	Ilanga	Qanuq Atuqtauniarmangaa
Aviation fuel	fuel	5	90000	450000	Liters	Power generation
Aviation fuel	fuel	2	692000	1384000	Liters	Power generation
Aviation fuel	fuel	20	246000	4920000	Liters	Power generation
Paint	hazardous	1	205	205	Liters	painting surfaces
Batteries	hazardous	1	205	205	Liters	Power generation

Imaqmik Aturninnga

Ubluq qanuraaluk (m3)	Aturumayain imavaluin utiqittagaani qanuq	Atulirumayain imavaluin utiqittagani humi
40	Water from a natural fresh water lake is pumped into a water truck; the water intake is equipped with a mesh screen. The water is then transferred to the four raw water tanks located at the station; w	Water Lake (local)

Iqqakuq

Ikkakunik Munakgiyaayunik

Havaulikhaq Hulilukaarut	Qanurittuq Iqqakut	Ihumagiyaayuuq Qanuraaluktuq Atuqtait	Qanuq Iqqakuurniarmangaa	Halummaqtirarnirutikhan piyutin
Camp	Qayangnaqtut	<5 m3/ season	Waste paint, tank cleaning effluent, fuel, batteries, oily rags, and glycol soaked rags and pads are packaged and shipped to a licensed disposal facility every one or two years.	none
Camp	Hivuuranaqtun iqakuvaluin	2.5 m3 /season	Waste oil is packaged and shipped to a licensed disposal facility.	none
Camp	Other, Solid Waste	10 m3 /season	Currently all solid waste is packaged and shipped to Hall Beach for disposal. There are future plans to develop an on-site alternative; whereby paper products and packaging, untreated	none

			wood and natural fiber textiles would be segregated and incinerated on-site. This alternative would implement the use of an appropriate incinerator as outlined in the Government of Nunavut, Guideline for the Burning and Incineration of Solid Waste.	
Landfarm	Other, Hydrocarbon impacted soil	290 m3 for one season only (2018)	Treatment in an on-site landfarm.	none
Camp	Anaagun (inuin anaaguin)	50 m3 / season	Sewage (blackwater) and greywater are combined in the sewage system. The sewage system comprises a sump, holding tank, and masticating pump within the building train. Sewage is not discharged daily. When the septic tank nears or reaches capacity, the sewage is discharged out the sewage outfall pipe to the receiving sump.	There is no additional treatment.

Avatiliriniqmut Ayurhauingit:

Please see attached Environmental Protection Plan

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

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

FOX-3 is situated in Nunavut on Baffin Island north of Dewar Lakes. It is located on a hill top, about 518 m above sea level, in an area of general glacial scouring and eskers. The airstrip in the valley is approximately 152 m above sea level. The geographical coordinates are: 68 40' 48" N, 71 14' 48" W. The hill top (about 518 m above sea level) is in an area indicating general glacial scouring. Surface materials include bedrock, till and fluvial materials, with till being the most common. The area is strewn with boulders up to 1 meter across. The airstrip area features fluvial deposits of gravels, sands, and silts. Vegetation is relatively scarce with some patches of wood rush, grass, and wildflowers. The wetter areas may consist of sedges and moss. The most prominent topographical features include rolling hills, separated by broad intervening depressions, and an interconnecting lake system running through a deep valley.

Qanurittuq Ittunik Avatinga: Inuuhimayunut Avatinga

Vegetation is sparse and more suitable for birds than larger grazing mammals. However, a small group of caribou from the Baffin Island herd occasionally wanders through the Dewar Lakes area, although the herd is generally located farther west. Arctic foxes and wolves are also occasionally seen at FOX-3. Waterfowl that nest in small shallow ponds in the area include the red-throated loon, tundra swan, greater snow goose, king eider and oldsquaw. To the south and west of the site are colonies of Sabine's gulls.

Qanurittuq Ittunik Avatinga: Inungit-maniliurutingit Avatinga

Naunaiyainiq ukuninnga Ayurhautingit unalu Piumayaat Ikikliyuumiutinahuarutit

Please see attached Environmental Protection Plan

Tamatkiumayunik Ihuikgutivaktunik

Impacts

Iltariyauniq Avatiliriniqmut Ayurhauingit

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Havakvinga																									
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Aulapkaininnga																									
Camp		-	-	-	-	-	-	-	-	-	-	-	-	N	-	-	-	-	-	-	-	-	-	-	-
Landfarm		-	-	-	-	-	-	-	-	-	-	-	-	N	-	-	-	-	-	-	-	-	-	-	-
Piiqtauniq																									
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(P = Nakuuyuq, N = Nakuungittut unalu mikhilimaittuq, M = Nakuungittut unalu mikhittaaqtuq, U = Naluyayuq)