NIRB Application for Screening #125150

Jericho Site Stabilization Project- Amendment

Application Type:	Amendment
Project Type:	Remediation
Application Date:	6/5/2017 9:48:40 AM
Period of operation:	from 2017-07-01 to 2019-01-01
Proposed Authorization:	from 2017-07-01 to 2019-01-01
Project Proponent:	Michael Westlake INAC 10th floor, 25 Eddy Street Gatineau QC K1A 0H4 Canada Phone Number:: 819-639-7344, Fax Number::

DETAILS

Non-technical project proposal description

English: The following are two proposed modifications for the Jericho Site Stabilization Project: 1) INAC on behalf of DFO proposes to remove the jetty which is in Carat Lake. The objective of this is to create approximately 1,207 m2 fish habitat of Carat Lake through the development of an underwater rock shoal by excavating the existing causeway to at least 2 meter below normal summer water levels. All infrastructure associated with the water intake jetty will first be removed before excavations will commence. The reclamation of the causeway will be based on Tahera Diamond Corporation's design plan found in their Closure and Reclamation Plan Update Report (April 2007) which is attached for reference. In the report, the causeway is suggested to be "cut to 2m below the normal summer water level from the northern extent back to a water depth of 3.5m. From 3.5m water depth to 1m the causeway will taper up. The reclaimed causeway will intersect surface near the shoreline." This work will be conducted between July 1 to Aug 31 so as to not have any adverse impacts on the aquatic ecosystem. To isolate the jetty from the lake during the construction, silt booms and/or silt curtains will be used as sediment and erosion control measures. Additional sediment and erosion control measures that will be considered during in water workings are available on the DFO website at http://www.dfompo.gc.ca/pnwppe/measures-mesures/measures-mesures-eng.html . A qualified biologist or environmental inspector will be on site during all in-water restoration/construction works . 2) As a contingency measure to aid in the removal of the frozen core West Dam, explosives may be used. The details of this can be found in the attached document prepared by Outcome Consultants and Rowes Construction.

French: This project does not fall within the boundaries of a french speaking region. Should this be an issue INAC will get french translation of our project summary.

Inuktitut: not required. Inuinnaqtun provided below.

Inuinnaqtun: Tahapkuat malguk uuktugutik ihuaqhigiaqnit taphumunga Jericho Havakvia Huniumaitnia Havanga: 1) INAC-kut kivgaqtuqhugit tapkuat DFO-kut uuktutai ahivaqnianik tamna tikigannuaq talvaniittuq Carat Tahiq. Tamna ihumaginia uuma pinguqtaunianut mikhaani 1,207 m2 iqaluknut nayuqtauvakni talvani Carat Tahiq atuqhugit pivaliatitni immap iluani uyaqat natqanitnit ahivartiqhugit tatya aturtuq apqutaunia mikiniqhamun 2 miitat ataani atuqpakniqhaq auyami imaugaqnit. Tamaita havagutai piqatauyut taphumunga imiqtuivik tikigannuaq hivulliqmik ahivaqtauniaq hivuani qimaktiqniit pigiaqniani. Tamna halumaqhainiqmun apqutaunia pihimaniaq tapkununga Tahera Diamond Kuap[urisankut hanatyuhikhaliat parnaut nalvauyuq tapkuat Umikniani Halumaqtiqnianilu Parnaut Nutanguqni

Tuhaqhityut (Aipuru 2007) tapkuat attaqtaqhimayut naunaipkutaunia. Talvani tuhaqhityutmi, tamna apqutaunia atugahuaquni piya "kipiyaunia 2 miitat ataani tamna atuqpakniqhaq auyami imaugaqnia talvanga ungalaani tikitnia utimun immap itinia tamna 3.5 miitat. Talvanga 3.5 miitat immap itinia talvunga 1 miita apqutaunia itkalivalianiaq. Tamna halumaqtiqnia apqutauyuq atatyutauniaq qanganut haniani hinaani." Una havaq havagiyauniaq akungani Julai 1 tamnalu Aagasi 31 pitqunagu kitunikliqak ihuittumik aktuanit imaqmiutanut uumatyutaunit. Ilikkugianga tamna tikigannuaq talvanga tahiqmin atuqtitlugu tamna hanayaunia, nunavaluktaqaqni tamnalu/tamnaluniit nunavaluk tulumatai atuqtauniat nunavaluit nungutpalianilu munagiyauni pityuhit. Ilagiagutit nunavaluit nungutpalianilu munagiyauni pityuhit ihumagiyauniat atuqtitlugu imaqmi havagini piyaulatlu talvani DFO-kut qagitauyakkuviani http://www.dfompo.gc.ca/pnwppe/measures-mesures/measures-mesures-eng.html . Ayuitnilik uumayuligiyi avatiligiyiluniit qauyihaiyi havakvikmitniaq atuqtitlugu tamaita imaqmi ilitquhigaluat utiqtitninut/hanayauni havat. 2) Atugahuquqninut piyauni ikayuqnit ahivartiqninut qiqumayut Pingangnaani Haputa, qaqtautit atugaulat. Tamna unniqtuttiaqni uuma nalvaulat attaqtaqhimayumi ytitiqani hannaiyaqtat tapkuat Outcome Qauyimayiuyut tamnalu Rowe's Hanayit. Una havaq ilaqaqniaq hivuagut putuunit talvani qiqumayuq haputaunia iliugaqlugitlu akhut, hakugigutilgit qaqtautit alguyaqtungittutlu pigiagutai havagutit atuni putuni. Breaj-Away Ikuutaqnit Qaqtainiqlu Nanminilgit (Break-Away) kanturaktitaulakniat havagini havat. Anginiqpamik 40,000 kg qaqtautit tamnalu 250 kg qaqtaityutit atuqtauniat. Qaqtainiq atuqniaq akungani Aagasi 15mi tamnalu Saptaipa 30mi ihuittumik aktuaqunagu tuktut aulaqninut.

Personnel

Personnel on site: 500
Days on site: 180
Total Person days: 90000
Period of operation: from 2017-07-01 to 2017-09-30
Proposed term of operation: from 2017-07-01 to 2019-01-01

Activities

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Jericho	Site Cleanup/Remediation	Crown	The West Dam was constructed for mining operations. As part of the remediation/site stabilization, the West Dam will be removed as described in the original application: "16UN052 Jericho Site Stabilization Project". This amendment includes the use of explosives as a back-up plan for the removal of the West Dam.	Site archaeological value same as described in original application: "16UN052 Jericho Site Stabilization Project"	260km southeast of Kugluktuk, NU
Carat Lake	Site Cleanup/Remediation	Crown	The jetty and pump house were installed at Carat Lake to draw freshwater for camp and minig operations. This amendment includes the removal of the pump house and jetty resulting in the creation of new fish habitat.	n/a	260km southeast of Kugluktuk

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Information is not available			

Authorizations

Indicate the areas in which the project is located

Kitikmeot

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Aboriginal Affairs and Northern Development Canada	Land-Use Permit	Active		
Kitikmeot Inuit Association	Access to IOL	Applied, Decision Pending		
Nunavut Water Board	Water Licence	Active		

Material Use

Equipment to be used (including drills, pumps, aircraft, vehicles, etc)

Equipment Type	Quantity	Size - Dimensions	Proposed Use
explosives	40,000kg maximum	n/a	removal of frozen core West Dam
all other equipment has been previously approved under "16UN052 Jericho Site Stabilization Project"	n/a	n/a	remediation/site clean-up

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Information is not available						

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
0		

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Information is not available				

Environmental Impacts:

Please see original application: "16UN052 Jericho Site Stabilization Project"

Details Part 2

Project General Information

DFO Operational Statement (OS) Conformity

Transportation

Camp Site

Equipment

Water

Waste Water (Grey water, Sewage, Other)

Fuel

Chemicals and Hazardous Materials

Workforce and Human Resources/Socio-Economic Impacts

Public Involvement/Traditional Knowledge

SECTION F: Site Cleanup/Remediation: Project Information

The following are two proposed modifications for the Jericho Site Stabilization Project "16UN052": 1) INAC on behalf of DFO proposes to remove the jetty which is in Carat Lake. The objective of this is to create approximately 1,207 m2 fish habitat of Carat Lake through the development of an underwater rock shoal by excavating the existing causeway to at least 2 meter below normal summer water levels. All infrastructure associated with the water intake jetty will first be removed before excavations will commence. The reclamation of the causeway will be based on Tahera Diamond Corporation's design plan found in their Closure and Reclamation Plan Update Report (April 2007) which is attached for reference. In the report, the causeway is suggested to be "cut to 2m below the normal summer water level from the northern extent back to a water depth of 3.5m. From 3.5m water depth to 1m the causeway will taper up. The reclaimed causeway will intersect surface near the shoreline." This work will be conducted between July 1 to Aug 31 so as to not have any adverse impacts on the aquatic ecosystem. To isolate the jetty from the lake during the construction, silt booms and/or silt curtains will be used as sediment and erosion control measures. Additional sediment and erosion control measures that will be considered during in water workings are available on the DFO website at http://www.dfompo.gc.ca/pnwppe/measures-mesures/measures-mesures-eng.html . A qualified biologist or environmental inspector will be on site during all in-water restoration/construction works . 2) As a contingency measure to aid in the removal of the frozen core West Dam, explosives may be used. The details of this can be found in the attached document prepared by Outcome Consultants and Rowes Construction.

Description of Existing Environment: Physical Environment

Description of Existing Environment: Biological Environment

Description of Existing Environment: Socio-economic Environment

Identification of Impacts and Proposed Mitigation Measures

Cumulative Effects

Impacts

Identification of Environmental Impacts

	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
Construction																									
-			-	-	-	-	-	-	-	-	-	-	-		-	-	-	-	-		-	-	-	-	-
Operation																									
Site Cleanup/Remediation			-	-	-	-	-	-	-	-	M	-	M	-		M	M	M	P	-		P	-	-	-	-
Decommissioning																									
Site Cleanup/Remediation			-	M	-	-	-	-	-	-	M	-	M	-		M	M	M	P	-		P	-	-	-	-

(P = Positive, N = Negative and non-mitigatable, M = Negative and mitigatable, U = Unknown)

Project Map