



## NIRB Application for Screening #125150

### Jericho Site Stabilization Project- Amendment

<b>Application Type:</b>	New
<b>Project Type:</b>	Remediation
<b>Application Date:</b>	6/5/2017 9:48:40 AM
<b>Period of operation:</b>	from 2017-07-01 to 2019-01-01
<b>Proposed Authorization:</b>	from 2017-07-01 to 2019-01-01
<b>Project Proponent:</b>	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 <a href="http://www.dfompo.gc.ca/pnwpppe/measures-mesures/measures-mesures-eng.html">http://www.dfompo.gc.ca/pnwpppe/measures-mesures/measures-mesures-eng.html</a> . 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:	Summary sent to translation
Inuinnaqtun:	Summary sent to translation

### 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	same as original application: "16UN052 Jericho Site Stabilization Project"	same as original application: "16UN052 Jericho Site Stabilization Project"	same as original application: "16UN052 Jericho Site Stabilization Project"

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 m<sup>2</sup> 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

