



Jericho Site Stabilization Project- Amendment

Amendment

 $\gamma^L L^{\gamma_b} \gamma \Delta \sigma^{\gamma_b}$

6/5/2017 9:48:40 AM

from 2017-07-01 to 2019-01-01

from 2017-07-01 to 2019-01-01

Michael Westlake

INAC

10th floor, 25 Eddy Street

Gatineau QC K1A 0H4

Canada

ᐅᓃᓕᓚᐅᓃᑦ: 819-639-7344, ᓃᓕᓗᓃᑦ:

$\gamma_b \Delta^c \dot{\bar{N}}_{\sigma^b} \wedge c_n d^{\gamma_b} \sigma d_n d^{\alpha_L} \sigma^b$

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/pnwpp/ea/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.

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.

Δ.μ.Π.Σ.: not required. Inuinnaqtun provided below.

Inuinnaqtun: Tahapkuat malguk uuktugutik ihuaqhigianit taphumunga Jericho Havakvia Huniumaitnia Havanga: 1) INAC-kut kivgaqtuqhugit tapkuat DFO-kut uuktutai ahivaqnianik tamna tikigannuaq talvaniittuq Carat Tahi. Tamna ihumaginia uuma pingqtaunianut mikhaani 1,207 m² iqaluknut nayuqtauvakni talvani Carat Tahi atuhugit pivaliatitni immap iluani uyaqat natqanitnit ahivartiqhugit tatya aturtuq apqutaunia mikiniqhamun 2 miitat ataani atupakniqhaq 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 attaqaqhimayut naunaipkutaunia. Talvani tuhaqhityutmi, tamna apqutaunia atugahuaquni piya "kipiyaunia 2 miitat ataani tamna atupakniqhaq auyami imaugaqnia talvanga ungalaani tikitnia utimun immap itinia tamna 3.5 miitat. Talvanga 3.5 miitat immap itinia talvunga 1 miita apqutaunia itkalivalianiq. Tamna halumaqtiqnia apqatauyut atatyutauniaq qanganut haniani hinaani." Una havaq havagiyauniaq akungani Julai 1 tamnalu Aagasi 31 pitqunagu kitunikliqak ihuittumik aktuanit imaqmiutanut uumatyutaunit. Ilikkugianga tamna tikigannuaq talvanga tahiqlin atugtutlugu tamna hanayaunia, nunavaluktaqaqni tamnalu/tamnaluunit nunavaluk tulumatai atugtauniat nunavaluit nungutpalianilu munagiyauni pityuhit. Ilaqagutit nunavaluit nungutpalianilu munagiyauni pityuhit ihumagiyauniat atugtutlugu imaqmi havagini piyaulatlu talvani DFO-kut qagitauyakkuviani <http://www.dfompo.gc.ca/pnwpppe/measures-mesures/measures-mesures-eng.html> . Ayuitnilik uumayuligiya avatiligiyiluniit qauyihaiyi havakvikmitniaq atugtutlugu tamaita imaqmi ilitquhigalut utiqtitninut/hanayauni havat. 2) Atugahuquninut piyauni ikayuqnit ahivartiqninut qiqumayut Pingangnaani Haputa, qaqtatit atugaulat. Tamna unniqtuttiaqni uuma nalvalat attaqaqhimayumi ytitiqani hannaiyaqtat tapkuat Outcome Qauyimayiyut tamnalu Rowe's Hanayit. Una havaq ilaqaqniaq hivugut putuunit talvani qiqumayut haputaunia iliugaqlugitlu akhut, hakugigutit qaqtautit alguyaqtungittutlu pigiaqutai havagutit atuni putuni. Breaj-Away Ikuutaqnit Qaqtainiqlu Nanminilgit (Break-Away) kanturaktitaulakniat havagini havat. Anginiqpamik 40,000 kg qaqtatit tamnalu 250 kg qaqtatit atugtutlugu. Qaqtainiq atugniaq akungani Aagasi 15mi tamnalu Saptai 30mi ihuittumik aktuaqunagu tuktut aulaguninut.

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

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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 mining 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

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$\Delta \text{C}_\text{L} \Delta \sigma \Delta \epsilon_\text{b}$

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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

$\partial \partial^{\epsilon} \partial^{\delta} \partial^{\gamma} \partial^{\beta} \partial^{\alpha} \partial^{\epsilon} \partial^{\delta} \partial^{\gamma} \partial^{\beta} \partial^{\alpha}$

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Information is not available						

ΔL^{9b} ΔD^{9b} CD^{9b} ΔL^{9b} ΔD^{9b}

$\mathcal{D}^c \rightarrow \mathcal{C} \overset{\circ}{\mathcal{L}}^{\circ \circ} \mathcal{D}^{\circ \circ} \mathcal{C} \mathcal{D}^{\circ \circ} \mathcal{D}^{\circ \circ} \mathcal{D}^{\circ \circ}$	$\overset{\circ}{\mathcal{B}} \mathcal{D}^{\circ \circ} \Delta \Gamma^{\circ \circ} \mathcal{C}^{\circ \circ} \mathcal{C}^{\circ \circ} \mathcal{C}^{\circ \circ} \mathcal{D}^{\circ \circ} \mathcal{C}^{\circ \circ}$	$\mathcal{A} \mathcal{P}^c \Delta \Gamma^{\circ \circ} \mathcal{C}^{\circ \circ} \mathcal{C}^{\circ \circ} \mathcal{C}^{\circ \circ} \mathcal{D}^{\circ \circ} \mathcal{C}^{\circ \circ}$
0		

 $4^b C d^c$
$$\Delta^b C d_{\sigma} \sim \Delta^{\epsilon} \sigma^{\epsilon b}$$

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$\Delta^{\circ} \text{H}_{\text{f}}^{\circ}(\text{C}_6\text{H}_6) = +80 \text{ kJ mol}^{-1}$, $\Delta^{\circ} \text{H}_{\text{f}}^{\circ}(\text{C}_6\text{H}_6) = -120 \text{ kJ mol}^{-1}$

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

$a \rightarrow aA^{fb}CD\sigma^{\otimes b/c}$ $d(b)^{fb}CDPLZ^C$ $f_b \otimes A^C) \sigma^{\otimes b/c}$ $\langle eD\Gamma') ZP^{fb}CD\sigma d^f \sigma^{\otimes b/c} \rangle$

Impacts

[illegible][illegible]

Project Map

