



NWB Tools

Ida Porter <ida.porter@nwb-oen.ca>

Fwd: Jericho Site Stabilization Project

Cynthia Ene <cynthia.ene@nwb-oen.ca>
To: Ida Porter <ida.porter@nwb-oen.ca>
Cc: David Hohnstein <david.hohnstein@nwb-oen.ca>

Mon, Oct 17, 2016 at 8:28 AM

Good Morning Ida, can you please post the below email correspondence on the ftp site for "8BC-JER----", also note there are 2 additional documents attached to the email.

Thanks,

Cynthia

----- Forwarded message -----

From: **Michael Westlake** <Michael.Westlake@aadnc-aandc.gc.ca>
Date: Mon, Oct 17, 2016 at 8:12 AM
Subject: Re: Jericho Site Stabilization Project
To: Cynthia Ene <cynthia.ene@nwb-oen.ca>
Cc: Mark Yetman <Mark.Yetman@aadnc-aandc.gc.ca>

Good morning Cynthia,

I hope you had a good weekend.

The following are responses to your questions:

1) We anticipate that the water level at the West Dam will be at approximately 518 meters above sea level (masl) by the time the proposed site stabilization work can commence next year. We base this number off our past experience doing annual care and maintenance activities. The original elevation for the lake that was in this area before the Jericho Mine was built was 514.4 masl. Using the attached "Stage Storage Curve" that was developed by EBA for Shear Diamonds for their Care and Maintenance Plan, we anticipate that there is around 220,000m³ of water being stored.

2) Since a contractor has not been hired yet, the best information that we have at this point comes from the AMEC Winter Road Water Withdrawal estimate which is attached for your reference. It states:

"Assuming half the water required comes from Contwoyto Lake (conservative since the first segment of the road will require the majority of the water to make snow), results in an estimated 2850 m³ being required from Contwoyto Lake and an equal amount from Lynne Lake. The effect of this much water withdrawal on Contwoyto Lake would be miniscule. An estimated 0.27% of the volume of Lynne Lake would be withdrawn. From this it can be readily determined that no measurable effects on lake levels would result from water withdrawal for winter road use."

Presently we aren't in a position to provide the rate at which water will be removed from the source as a contractor for this work has not been hired.

I hope that we've answered your questions.

Thanks.

Michael

Michael Westlake
Contaminated Sites | Sites Contaminés

Northern Affairs | Affaires du Nord

Aboriginal Affairs and Northern Development Canada (AANDC) | Affaires Autochtones et Développement du Nord Canada (AADNC)

Tel: (819) 639-7344

Fax: (819) 953-2590

michael.westlake@aadnc-aandc.gc.ca

>>> Cynthia Ene <cynthia.ene@nwb-oen.ca> 10/14/2016 4:33 PM >>>

Good Afternoon Michael, thanks for the call.

For future file referencing, please note that for now, the NWB has named the "JERICHO MINE SITE STABILIZATION PROJECT" as "8BC-JER---".

Could you confirm the following:

1) 'Off-stream storage of water' (reservoir capacity):

Approximately how much water is stored in the dams/dikes? Specifically, how much water will be diverted once the Dam and Dyke is breached. We understand that the goal is to return the watercourse back to its Natural flow.

2) The rate at which water is removed from the source (m3/day):

In your application you stated that about 5700 m3 of water will be required to construct the land portions of the winter road, can you confirm where 100% of the water will be sourced from, and what the flow amount utilized per day will be (i.e max m3 per day from source).

Thank you,



Cynthia Ene, MBA, P.Eng. - ᑎᓄᓐᓂᓐ ᑕᓄᓐᓂᓐ

Technical Advisor - Conseillère Technique

ᑕᓄᓐᓂᓐ ᑕᓄᓐᓂᓐ ᑕᓄᓐᓂᓐ - Piluaqnaqtuliginiqmun Ikayukti

NUNAVUT WATER BOARD - OFFICE DES EAUX DU NUNAVUT

ᑕᓄᓐᓂᓐ ᑕᓄᓐᓂᓐ ᑕᓄᓐᓂᓐ - NUNAVUT IMALIRIYIN KATIMAYINGI

www.nwb-oen.ca

P.O. Box 119

Gjoa Haven, NU, X0B 1J0

C.P. 119

Gjoa Haven (Nunavut), X0B 1J0

ᑎᓄᓐᓂᓐ ᑕᓄᓐᓂᓐ 119

ᑕᓄᓐᓂᓐ ᑕᓄᓐᓂᓐ X0B 1J0

Titigagaqvia 119

Uqhuqtiq, NU, X0B 1J0

Tel / Téléphone / ᑎᓄᓐᓂᓐ ᑕᓄᓐᓂᓐ / Hivayauta: (867) 360-6338 | Fax / Télécopieur / ᑎᓄᓐᓂᓐ ᑕᓄᓐᓂᓐ / Fax-kut: (867) 360-6369

Toll Free / Sans / ᑕᓄᓐᓂᓐ ᑕᓄᓐᓂᓐ / Akiittuq: 1-855-521-3745

WARNING - This communication, including any attachments contains confidential information intended only for the addressee(s) noted above. Any unauthorized distribution, copying, or disclosure is strictly prohibited. If you have received this by mistake, please notify the sender immediately and delete this message without printing or copying it. Thank you.

AVIS DE CONFIDENTIALITÉ - Ce message, et toute(s) pièce(s) jointe(s) est confidentiel et est à l'usage exclusif du(es) destinataire(s) ci-dessus. Toute autre personne est par la présente avisée qu'il lui est strictement interdit de le diffuser, le distribuer ou le reproduire. Si le destinataire ne peut être joint ou vous est inconnu, veuillez informer l'expéditeur par courrier électronique immédiatement et détruire ce message et toute copie de celui-ci. Merci pour votre collaboration.

Merci de penser à l'environnement avant d'imprimer ce courriel / Thank you for thinking of the environment before printing this email

On Fri, Oct 14, 2016 at 12:37 PM, Michael Westlake <Michael.Westlake@aadnc-aandc.gc.ca> wrote:

Hi Cynthia,

Good speaking with you this afternoon. Here's my contact.

Looking forward to hearing from you. Have a good weekend!

Michael

Michael Westlake

Contaminated Sites | Sites Contaminés

Northern Affairs | Affaires du Nord

Aboriginal Affairs and Northern Development Canada (AANDC) | Affaires Autochtones et Développement du Nord

Canada (AADNC)

Tel: (819) 639-7344

Fax: (819) 953-2590

michael.westlake@aadnc-aandc.gc.ca

2 attachments



AMEC Winter Road Water Withdrawal.pdf
1772K



Jericho Stage Storage Curve.pdf
60K