



## NWB Tools

**Robin Ikkutisluk** <[robin.ikkutisluk@nwb-oen.ca](mailto:robin.ikkutisluk@nwb-oen.ca)>

**Fwd: 2BE-COP1416 Revision to Amendment Application**

**Karén Kharatyan** <karen.kharatyan@nwb-oen.ca>  
To: Robin Ikkutisluk <robin.ikkutisluk@nwb-oen.ca>

Mon, Jun 29, 2015 at 11:03 AM

Robin.

Please include this as Licensee responses to comments.

Regards,



Karén Kharatyan, Ph. D- ԵՂՁ ԵՏՈՂՁ

Technical Advisor- Conseiller Technique

**Aḷaq<sup>a</sup>e q̄c̣nσ<sup>b</sup>j<sup>c</sup>** Δb<sup>k</sup>n- Piluaqnaqtuliginigmun Ikayuqti

NUNAVUT WATER BOARD - OFFICE DES EAUX DU NUNAVUT  
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From: **Zach Flood** <[zach@kaizendiscovery.com](mailto:zach@kaizendiscovery.com)>

Date: Mon, Jun 29, 2015 at 10:39 AM

Subject: 2BE-COP1416 Revision to Amendment Application

To: "Jean.Allen@aandc-aadnc.gc.ca" <Jean.Allen@aandc-aadnc.gc.ca>

Cc: "karen.kharatyan@nwb-oen.ca" <karen.kharatyan@nwb-oen.ca>

Hi Jean,

I'm contacting you in regards to AANDCs comments on our water permit application as advised by the NWB. Please see my comments in red below to provide clarification on the revision to the amendment. I have cc'd Karen to provide these same responses to the NWB.

## B. RESULTS OF REVIEW

The AANDC Water Resources Division reviewed TCC's revised amendment application and offer the following comments and recommendations for the NWB's consideration. Should there be any additional changes to the proposed project, further review may be necessary.

1. A second revised application was submitted by TCC to increase the amount of water for domestic and drilling purposes. As noted in our May 22, 2015 letter, the application appears

to be inconsistent with the applicant's proposed changes in the cover letter. For example:

☐ In Box 13, TCC indicates that the overall quantity of water to be used will not change

and that the overall estimated quantity to be used is 50.5 m<sup>3</sup> / day. AANDC notes

that a change to the overall quantity is proposed in the cover letter to increase to 70

m<sup>3</sup> / day. **This is correct, the proposed amendment is to increase the amount to 70m<sup>3</sup>/day**

☐ In Box 13, TCC indicates that the quantity of water to be used from each source will

not change. Clarification is requested on whether new sources of water are being

requested or whether the proposed amendment will in fact change the quantity of

water to be used at each source to accommodate the proposed increase of water for

domestic and drilling purposes. **No new sources of water are being requested. We would like to increase the amount for the drill to ensure we do not go over the permitted amount so that the drill can operate for 24 hrs/day. This increase for the amount at camp is also to ensure we do not go over the permitted amount. Depending on how much the core saw is being operated, and to allow for excess water in the case there are visitors at camp (showers etc.)**

☐ In Box 13, TCC indicates that the quantity of water to be used for each purpose will

not change yet the estimated quantities are provided (camp approx. 5 m<sup>3</sup> / day; drill

approx. 65 m<sup>3</sup> / day). AANDC notes that there is a change proposed to increase the

quantity of water used for domestic and drilling purposes to 5 m<sup>3</sup> / day and 65 m<sup>3</sup> /

day, respectively. **The water use will change and this appears to be an error in the application.**

☐ In Box 15, TCC indicates that the quantity of the types of waste will not change yet it

is indicated in the table that 5 m<sup>3</sup> / day of greywater and 65 m<sup>3</sup> / day of drill water will

be generated. AANDC notes that a change is proposed to increase the quantity of

greywater and drill water generated to 5 m<sup>3</sup> / day and 65 m<sup>3</sup> / day, respectively.

AANDC recommends that all amendments proposed by TCC are reflected in the

amendment application. **The quantity of waste will change and this appears to be an error as well.**

2. TCC is requesting an increase to the amount of water use from 51 m<sup>3</sup> / day (1 m<sup>3</sup> / day for

camp, 50 m<sup>3</sup> / day for drilling) authorized under Part C, Item 1 of water licence 2BECOP1416

to 70 m<sup>3</sup> / day (5 m<sup>3</sup> / day for camp, 65 m<sup>3</sup> / day for drilling). The justification

provided for the increase in water use is to accommodate the addition of a core cutting saw

at the camp and slightly more use of the drill. It is unclear why the 2.5 m<sup>3</sup> / day of water is

no longer sufficient for cutting drill core and whether there are changes proposed to the

drilling program. AANDC recommends that TCC a) provide more information to justify the

request for increased use of water for domestic and drilling purposes and b) clarify whether

recycling of water was considered. TCC would like to ensure that we do not use more water than we are permitted for. We would like to increase the amount to the maximum we may expect if no recycling is considered and pumps are running at full power (dependent on drilling conditions, rock conditions for core cutting, amount of core which needs to be cut, etc). Depending on if there are site visitors the amount of water used will change with shower usage, etc. We are taking these contingencies into account with the revised amendment.

Please let me know if this clarifies the revision to the amendment or if there are any other recommendations.

Best Regards,

Zach

**Zach Flood**

Project Development Geologist

KAIZEN  DISCOVERY

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