



3BC-CAM Application for Amendment : NPC's review

Sonia Aredes <sonia.aredes@nwb-oen.ca>

To: william.wyman@raytheon.com

Cc: Ian.creighton3@forces.gc.ca, Ida Porter <ida.porter@nwb-oen.ca>

Tue, Apr 26, 2016 at 10:25 AM

Hi,

I have contacted Nunavut Planning Commission (NPC) regarding the proposed amendment to the water Licence 3B-CAM; up to date, I have not received any response.

Since NuPPAA implementation on July 9, 2015 the NWB requires all files to be submitted to the NPC for review prior proceeding to the water licence processing of the Application.

Please, contact NPC in order to obtain the NPC's ok to process further the file.

I would be glad to answer any question

Regards

Sonia Aredes

NWB-Tech Advisor

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From: **Sonia Aredes** <sonia.aredes@nwb-oen.ca>

Date: Mon, Mar 21, 2016 at 3:16 PM

Subject: 3BC-CAM Application for Amendment : NPC's review

To: Jonathan Savoy <jsavoy@nunavut.ca>

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

Jonathan Savoy, Senior Planner

Nunavut Planning Commission

Dear Jonathan

On March 9, 2015 the NWB received a Water Licence Application for amendment of the water Licence 3BC-CAM0919 issued to North Warning System Office, Department of National Defense (DND) to allow for the use of water and disposal of waste during operation and maintenance of the CAM-M Long Range Radar (LRR) Station and Logistics Support Site (LSS) located on Victoria Island within the Kitikmeot Region, Nunavut.

The Licence authorizes the use of Water for a quantity not to exceed 10 m³/day; the Water source is Water Lake, close to the site. DND has applied to amend the current authorized daily limit of water use from 10 m³/day to an annual limit of 3,650 m³/year.

According to DND:

"DND is interested to increase the daily water use limit to cover for an increase in water consumption due to temporary increase in personnel; the temporary increase of personnel would imply an increase in the currently authorized water use limit per day (10m3/day) but not in the maximum water use limit per year (i.e it would be no more than 3650 m3/year)."

"The water use per day is expected to be below of the Type B daily threshold of 300 m3/day."

The Board considers that this Application does not imply significant change to environmental effects, the proposed change being largely triggered by the need for consistency across existing licenses and no other changes to the licence being required;

However, the NWB recognizes that since the implementation of NuPPAA all project proposals must first be screened by the NPC before proceeding to the water licensing stage.

As such, recognizing that the determination of the extent to which NuPPAA applies to a given project remains with the NPC, the NWB requests that the NPC review the project proposal as outlined in the Application and provide the Board with its determination regarding whether NPC would like to reconsider the previous assessment and NPC/NIRB conformity is required.

The question that the NWB has formulated to the Applicant in order to assess the potential impact to the source due to this proposal is:

if you assume that DND draws from the water source up to 299m/day for 12 consecutive days (so within the new daily limit and within the annual volume of 3650 m3/yr) would that not have the potential for a change to the significance of the potential effects on the water source than the current withdrawal of only 10 m3/day?

DND has provided the following estimation:

The water lake has a surface area of 0.53 km² and a depth at one known point of 7.92 m. Not considering the re-charge rate of the water lake, we expect that removing 299m³/day would reduce the height of the water by approximately 1.7 mm/day. Over 12 consecutive days, this would amount to a decrease in the surface level of the water of approximately 2 cm.

The NWB conclusion is that given the capacity of the water source, even 12 consecutive days of withdrawing the full daily limit of 299 cubic metres there would be no significant change to the impacts associated with this water use; therefore, it is possible for the NWB to consider this application to be not so much an "amendment" to the Licence as an administrative revision (minor modification) to make things consistent with the other licences by expressing the allowable volume as both an annual limit and a daily limit (which would be under the Type B threshold).

Recognizing that the determination of the extent to which NuPPAA applies to a given project remains with the NPC, the NWB requests that the NPC review the project proposal as outlined in the Application (attached) and provide the Board with its determination regarding whether NPC would like to reconsider the previous assessment and NPC/NIRB conformity is required

Please contact me with any additional questions or concerns you may have.

Regards

Sonia Aredes

Tech Advisor -NWB



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