



Richard Dwyer <richard.dwyer@nwb-oen.ca>

8BC-EUR2131 Request to exceed Type B Water Licence water withdrawal limits

Karén Kharatyan <karen.kharatyan@nwb-oen.ca>

Mon, Oct 17, 2022 at 12:16 PM

To: "Baker, Nadia" <Nadia.Baker@aecom.com>

Cc: Richard Dwyer <richard.dwyer@nwb-oen.ca>, Assol Kubeisinova <assol.kubeisinova@nwb-oen.ca>, "Huguet, Tyler" <tyler.huguet@aecom.com>, "Cloutier-Dussault, Jean-Philippe (ECCC)" <Jean-Philippe.Cloutier-Dussault@ec.gc.ca>, "Mulholland, Greg (ECCC)" <greg.mulholland@ec.gc.ca>, "Radovan, Rock (ECCC)" <Rock.Radovan@ec.gc.ca>, Brad Overton <brad.overton@tpsgc-pwgsc.gc.ca>

Hi Nadia,

As the scope of licence will not change or significantly change there won't actually be significant changes of reporting. Unfortunately, once the licence becomes a type "A" licence there is actually no mechanism for its return to the type "B". Our recommendation will be to include within this application any foreseeing near future activity/facility not currently included within the scope of licence, in addition to the water use increase to avoid additional amendments processes in the near future.

Regards,

Sent from my iPhone

On Oct 17, 2022, at 3:33 PM, Baker, Nadia <Nadia.Baker@aecom.com> wrote:

Hi Karén,

Thank you for your analysis and identifying the need for an amendment application to the current Type B licence for Type A licence processing. This is very helpful.

Do you foresee the reporting requirements changing significantly from Type B to Type A?

Once the Type A activity of filling the new reservoir has been completed, are we able to return back to a Type B water licence?

Thanks for your help.

Best regards

Nadia

Nadia Baker B.Sc.H., P.Biol., R.P.Bio.*she, her*

Environmental Assessment and Permitting Specialist

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nadia.baker@aecom.com

From: Karén Kharatyan <karen.kharatyan@nwb-oen.ca>
Sent: Friday, October 14, 2022 12:28 PM
To: Baker, Nadia <Nadia.Baker@aecom.com>
Cc: Richard Dwyer <richard.dwyer@nwb-oen.ca>; Assol Kubeisinoval <assol.kubeisinoval@nwb-oen.ca>; Huguét, Tyler <tyler.huguét@aecom.com>; Cloutier-Dussault, Jean-Philippe (ECCC) <jean-philippe.cloutier-dussault@ec.gc.ca>; Mulholland, Greg (ECCC) <greg.mulholland@ec.gc.ca>; Radovan, Rock (ECCC) <rock.radovan@ec.gc.ca>; Brad Overton <brad.overton@tpsgc-pwgsc.gc.ca>
Subject: Re: 8BC-EUR2131 Request to exceed Type B Water Licence water withdrawal limits

Hi Nadia,

We did some analysis of the situation in the context of this increase of daily water use and unfortunately didn't find a way to avoid a Type "A" licensing situation. Although this increase will be very temporary, however, this will make you in the field of Type "A" licensing. So an amendment application to the current licence will be required, and the amendment that the Board will potentially grant will also change the type of licence from "B" to "A". This is to say that the amendment application processing will be as per Type "A" licensing process.

You will need to get in touch also with NPC/NIRB before submitting the amendment application as their information requirements for a project that requires a Type "A" licence are likely different as opposed to the standard Type "B" licence cases.

I hope this helps,



Karén Kharatyan, Ph. D- ኮᓴᓂᓐ ኮᓴᓂᓐ

Director Technical Services - Directeur des services technique ᓴᓴᓂᓐ
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On Wed, Oct 12, 2022 at 5:46 PM Baker, Nadia <Nadia.Baker@aecom.com> wrote:

Hi Karén,

Thanks for the clarification on the NIRB/NWB coordinated process.

Here's some more background info for you. The current Type B Water Licence for the Eureka High Arctic Weather Station (No. 8BC-EUR2131) allows for the construction of a packaged wastewater treatment plant and a new freshwater reservoir. Filling of the reservoir will be a one time event in 2024 during freshet and highwater and not needed in future years. Our estimate of total volume required to fill the reservoir is between 19,000 m3 to 23,000 m3. Assuming we have 45 days of filling (best case – site conditions will determine), flow per day at the higher total volume would = 23,000/45 = 511 m3/day.

Considering the following:

- The temporary nature of this one-time event, and
- your suggestion for ECCC to apply for an amendment to the exiting Type B Licence as the same activity can't be licensed with 2 licenses

Is NWB able to grant ECCC permission under the current Type B Water Licence to fill the reservoir as described? Once the reservoir is filled, ECCC would continue to follow the requirements of the current licence (299 m3/day).

Best regards.

Nadia

Nadia Baker B.Sc.H., P.Biol., R.P.Bio.
she, her

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nadia.baker@aecom.com

From: Karén Kharatyan <karen.kharatyan@nwb-oen.ca>

Sent: Tuesday, October 11, 2022 8:23 PM

To: Baker, Nadia <Nadia.Baker@aecom.com>

Cc: Richard Dwyer <richard.dwyer@nwb-oen.ca>; Assol Kubeisinova <assol.kubeisinova@nwb-oen.ca>; Huguét, Tyler <tyler.huguét@aecom.com>; Cloutier-Dussault, Jean-Philippe (ECCC) <jean-philippe.cloutier-dussault@ec.gc.ca>; Mulholland, Greg (ECCC) <greg.mulholland@ec.gc.ca>; Radovan, Rock (ECCC) <rock.radovan@ec.gc.ca>; Brad Overton <brad.overton@tpsgc-pwgsc.gc.ca>

Subject: Re: 8BC-EUR2131 Request to exceed Type B Water Licence water withdrawal limits

Hello Nadia,

If NIRB only screens the project the impact of a coordinated process is negligible as the screening process is short. However, if NIRB does a review of a project, the coordinated review process saves a few months for the Applicant as the NWB can start its process before NIRB finalizes its review.

Please note that amalgamating Type B licence with a Type A is not the right term or right process. Actually, if ECCC plans to increase water use, it should apply for an amendment to the existing Type B licence as the same undertaking can't be licensed with 2 licences. Also, splitting the project is not generally practiced by the Board.

As I wasn't involved in the early discussion I am wondering whether the increase of water (to exceed 300 m3 per day) is a one time activity or this will be an annual activity? While for the annual activity it makes sense to amend the licence to a Type A, for one time activity perhaps other options should be considered such as having a little longer than 30 days filling time, assuming you have a longer than 30 days open water period at project location?

Regards,



Karén Kharatyan, Ph. D- ኩሬ ነጻጵሬ

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On Tue, Oct 11, 2022 at 5:42 PM Baker, Nadia <Nadia.Baker@aecom.com> wrote:

Hi Richard and Karén,

Thanks for the call last week, outlining the process for the Type A water licence, and confirming the Type B water licence amendment to capture the Landfarm project. This is very helpful.

Please note the Landfarm project has already been approved by NPC (NIRB review was not required) and ECCC is planning to submit the Type B water licence amendment to NWB before the end of the year.

We have a few questions about your points below:

- At the request of an applicant, the Type "A" water licence application Nunavut Impact Review Board (NIRB) process can be coordinated with the Nunavut Water Board's process.

Eureka projects were previously referred to NIRB by NPC when submitting the original Water and Sewage, Landfarm, and Non-Hazardous Waste Facility application. Subsequent NPC amendments have not been referred to NIRB. We will be seeking NPC amendment for the Type A activity to fill the new raw water reservoir. If NPC refers the amendment to NIRB, what are the advantages of a coordinated assessment? Would this reduce the review period?

- At the request of the applicant, the type B water licence can be amalgamated to the type A water licence if the type A licence is granted by the board and approved by the minister of northern affairs.

Just to confirm, the Type B water licence can remain as is and a new Type A water licence could be granted for the withdrawal of water greater than 299 m³ for filling of the new reservoir. What is the advantage to request the Type B be amalgamated with the Type A water licence? What is the process and timeline to do this?

Best regards,

Nadia

Nadia Baker B.Sc.H., P.Biol., R.P.Bio.
she, her

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From: Richard Dwyer <richard.dwyer@nwb-oen.ca>
Sent: Tuesday, October 11, 2022 8:30 AM
To: Huguet, Tyler <tyler.huguet@aecom.com>; Cloutier-Dussault, Jean-Philippe (ECCC) <jean-philippe.cloutier-dussault@ec.gc.ca>; Mulholland, Greg (ECCC) <greg.mulholland@ec.gc.ca>; Radovan, Rock (ECCC) <rock.radovan@ec.gc.ca>; Brad Overton <brad.overton@tpsgc-pwgsc.gc.ca>; Baker, Nadia <Nadia.Baker@aecom.com>
Cc: Assol Kubeisnova <assol.kubeisnova@nwb-oen.ca>; Karén Kharatyan <karen.kharatyan@nwb-oen.ca>
Subject: Re: 8BC-EUR2131 Request to exceed Type B Water Licence water withdrawal limits

One more comment.

At the request of the applicant, the type B water licence can be amalgamated to the type A water licence if the type a licence is granted by the board and approved by the minister of northern affairs.

Regards,

Richard



Richard Dwyer - ᑎᓄᓂᑦ ᑎᓄᓂᑦ ᑎᓄᓂᑦ - he\him\his

Manager of Licensing- Responsable des permis
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On Tue, Oct 11, 2022 at 9:19 AM Richard Dwyer <richard.dwyer@nwb-oen.ca> wrote:

Good morning,

I'd like to confirm our October 5, 2022, telephone conversation and include a couple points.

- The withdrawal of water greater than 299m3 per will require a Type "A" water licence.
- The Type "A" water licence application will go through the Nunavut Planning Commission's conformity determination and the Nunavut Impact Review Board's process
- At the request of an applicant, the Type "A" water licence application Nunavut Impact Review Board (NIRB) process can be coordinated with the Nunavut Water Board's process.
- The Type "A" water licence cannot be issued until the NIRB process is completed.

An independent application of type B Water Licence Amendment to NWB to capture the Landfarm project prior to the end of 2022, can be submitted as soon as it has gone through the NPC/NIRB processes.

The Nunavut Water Board recommends sending these applications to the Nunavut Planning Commission as soon as possible. I've copied my colleagues and they may have additional comments.

Regards,

Richard



Richard Dwyer - ᓴᓕᑯᑦ ᑐᐱᐱᑦᑦ - he\him\his

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On Fri, Aug 19, 2022 at 4:52 PM Assol Kubeisinova <assol.kubeisinova@nwb-oen.ca> wrote:

Good afternoon,

The NWB recommends applying for a Type A licence in the case of daily water withdrawal larger than 299 m3. The applicant may request a public hearing to be held via teleconference or in writing instead of in-person.

Best regards,



Assol Kubeisinova - ᐱᓴᓴᑦ ᐱᐸᐱᑯᓄᓗᑦ - she\her\elle

Technical Advisor- Conseiller technique
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On Fri, Aug 19, 2022 at 7:33 AM Cloutier-Dussault, Jean-Philippe (ECCC) <Jean-Philippe.Cloutier-Dussault@ec.gc.ca> wrote:

Good morning,

The current Water Licence for the Eureka High Arctic Weather Station (No. 8BC-EUR2131) allows for the construction of a packaged wastewater treatment plant and a new freshwater reservoir. In order to fill the reservoir, ECCC will require approximately 20,000m³ of water. It is anticipated that this would occur in the summer of 2024 over a period of approximately 30 days during Freshet and at highwater. The rate of extraction would be approximately 650 m³/day. ECCC understands that 300m³/day is the threshold for triggering a Type A Water Licence. Considering the temporary nature of this one-time event, is NWB able to grant ECCC permission under the current Type B licence to fill the reservoir as described? Once the reservoir is filled, ECCC would continue to follow the requirements of the current licence.

Best regards,

Jean-Philippe Cloutier-Dussault

Gestionnaire immobilier, Directions des actifs, des biens immobiliers et de la sécurité

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