



NWB Tools

Ida Porter &lt;ida.porter@nwb-oen.ca&gt;

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## Definitions - 3BC-CAM0919, 3BC-DYE0919, 3BC-FOH0919, 3BC-SHE0919

5 messages

**Dave Baines** <dave.baines@nwb-oen.ca>

Fri, Feb 22, 2019 at 11:26 AM

To: william.wyman@raytheon.com

Cc: Karén Kharatyan &lt;karen.kharatyan@nwb-oen.ca&gt;, Derek Donald &lt;derek.donald@nwb-oen.ca&gt;, Licensing Department &lt;licensing@nwb-oen.ca&gt;

William,

There are several places in your amendment applications where the way you are using terms might not fully align with NWB practice.

1) In NWB Licences a sump, for sewage and greywater, is defined as: *A structure or depression that collects, controls, and filters liquid Waste before it is released to the environment. This structure should be designed to prevent erosion while allowing percolation of liquid Waste.* As such materials put in a sump are at their release point into the environment. The practice you applications describe is that your 'sumps' are in essence small sewage lagoons with no percolation into the ground and the release would be when water is decanted from the 'sumps'. Am I understanding this correctly? Typically we don't approve release criteria downstream of a sump as by our definition of sump, there is no downstream of a sump. If your sumps are sealed (and by our definition not sumps) things might be different.

2) NWB Licences are categorized by daily withdrawal limits. We cannot, under a Type 'B' Water Licence approve more than 299 m3/day of water use. Some of your Licences use the older approach of an annual value. While that value can be incorporated into a renewed Licence, we also need to ensure we impose the 299 m3/day limit that is part of a Type 'B' Water Licence. If any of your sites need a pumping rate higher than 299 m3/day, they would need to become a Type 'A' Water Licence. Will any of your sites need a rate higher than 299 m3/day and a change to a different Licence type?

Dave

Dave Baines MSc EP  
Technical Advisor  
Nunavut Water Board  
867-360-6338 x29



# Dave Baines- $\Delta\Delta^e < \Delta^a$

Technical Advisor - Conseiller technique  $\Delta\Delta^e \Delta^a \Delta^c \Delta^a \Delta^e \Delta^a$   $\Delta\Delta^e \Delta^a$   
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**Wyman, William** <william.wyman@raytheon.com>

Fri, Feb 22, 2019 at 1:38 PM

To: Dave Baines <dave.baines@nwb-oen.ca>

Cc: Karén Kharatyan <karen.kharatyan@nwb-oen.ca>, Derek Donald <derek.donald@nwb-oen.ca>, Licensing Department <licensing@nwb-oen.ca>, "JEREMY.LAFLAMME@forces.gc.ca" <JEREMY.LAFLAMME@forces.gc.ca>

Hello Dave,

I agree with your definition of 'sump'. The problem is when the sump stops draining and needs some maintenance (e.g. sludge builds up at the bottom of the sump). That is the only time that we would need to pump out a sump as described in the "Sewage Disposal Update: Sumps For Sewage Outfalls at CAM-3, FOX-3, DYE-M, and BAF-3 Addendum" that was accepted by the NWB following the issuance of the renewed FOX-3 licence (8BC-FOD1828).

An annual limit and a daily limit of 299 m<sup>3</sup> is acceptable. If there is some reason that we need more than 299 m<sup>3</sup>/day we will come back to you.

Let me know if you have any further questions.

I hope that this helps,

Will



ANTICIPATE, PREPARE, ACT. SERVING OUR CUSTOMERS.

**William Wyman**

Environmental Services Officer

North Warning System

EHSS

Intelligence, Information and Services

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**From:** Dave Baines [mailto:[dave.baines@nwb-oen.ca](mailto:dave.baines@nwb-oen.ca)]

**Sent:** Friday, February 22, 2019 1:27 PM

**To:** Wyman,William <[william.wyman@raytheon.com](mailto:william.wyman@raytheon.com)>

**Cc:** Karén Kharatyan <[karen.kharatyan@nwb-oen.ca](mailto:karen.kharatyan@nwb-oen.ca)>; Derek Donald <[derek.donald@nwb-oen.ca](mailto:derek.donald@nwb-oen.ca)>; Licensing Department <[licensing@nwb-oen.ca](mailto:licensing@nwb-oen.ca)>

**Subject:** [External] Definitions - 3BC-CAM0919, 3BC-DYE0919, 3BC-FOH0919, 3BC-SHE0919

William,

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Dave

Dave Baines MSc EP

Technical Advisor

Nunavut Water Board

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[REDACTED]

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

Mon, Feb 25, 2019 at 10:06 AM

To: Dave Baines <dave.baines@nwb-oen.ca>

Cc: Karén Kharatyan <karen.kharatyan@nwb-oen.ca>, Derek Donald <derek.donald@nwb-oen.ca>, Licensing Department <licensing@nwb-oen.ca>

Hi Dave,

Please confirm if the above email correspondence needs to be saved to central and ftp? I am requesting on 3BC-DYE0919 and 3BC-FOH0919 as these two are assigned to me.

Regards,  
Ida



Ida Porter- <ΔC><C

## Licence Administrator- Administratrice des permis ຄ່າຍົນນັກ ໄດ້ລົງທະບຽນ- Laisaliginiqmun Ikayuqtu

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**Dave Baines** <daye.baines@nwb-oen.ca>

Mon, Feb 25, 2019 at 10:10 AM

To: Ida Porter <jda.porter@nwb-oen.ca>

Cc: Karén Kharatyan <karen.kharatyan@nwb-oen.ca>, Derek Donald <derek.donald@nwb-oen.ca>, Licensing Department <licensing@nwb-oen.ca>

Ida,

Yes, please save this to Central and the FTP. Thank you.

Dave

Dave Baines MSc EP  
Technical Advisor  
Nunavut Water Board  
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Dave Baines-  $\nabla\Delta^\diamond \prec \Delta^\diamond$

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**Dave Baines** <dave.baines@nwb-oen.ca>

Mon, Feb 25, 2019 at 11:41 AM

To: "Wyman, William" <william.wyman@raytheon.com>

Cc: Karén Kharatyan <karen.kharatyan@nwb-oen.ca>, Derek Donald <derek.donald@nwb-oen.ca>, Licensing Department <licensing@nwb-oen.ca>, "JEREMY.LAFLAMME@forces.gc.ca" <JEREMY.LAFLAMME@forces.gc.ca>

William.

Thank you for your voicemail requesting confirmation that this email had addressed my question. Indeed, yes, this email did provide the explanation that I was looking for.

On a side note, I am leaving the Nunavut Water Board to start another adventure. Today is my last day working on your files. I think everything is in order. Karen and Derek have been in the loop and will ensure that everything comes together.

Thanks for being so open and helpful on these files.

All the best.

Dave

Dave Baines MSc EP  
Technical Advisor  
Nunavut Water Board  
867-360-6338 x29



# Dave Baines- $\Delta\Delta^e < \Delta^a$

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On Fri, Feb 22, 2019 at 1:39 PM Wyman, William <[william.wyman@raytheon.com](mailto:william.wyman@raytheon.com)> wrote:  
 [Quoted text hidden]