

## Jessica Pacunayen

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**From:** Sarah Elsasser  
**Sent:** February 16, 2016 4:43 PM  
**To:** Jessica Pacunayen  
**Subject:** FW: behchoko sludge

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**From:** Heather E. Beck [[mailto:Heather\\_Beck@gov.nt.ca](mailto:Heather_Beck@gov.nt.ca)]  
**Sent:** December 11, 2015 9:17 AM  
**To:** Sarah Elsasser <[selsasser@wlwb.ca](mailto:selsasser@wlwb.ca)>  
**Cc:** Tyanna Steinwand <[Tyanna\\_Steinwand@gov.nt.ca](mailto:Tyanna_Steinwand@gov.nt.ca)>; Fred J Mandeville <[Fred\\_J\\_Mandeville@gov.nt.ca](mailto:Fred_J_Mandeville@gov.nt.ca)>  
**Subject:** FW: behchoko sludge

FYI – Bruce’s response. Should we order them to install the modified plumbing in the summer time, in order to be able to sample the sludge?

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**From:** Water Plant [<mailto:water@behchoko.ca>]  
**Sent:** Friday, December 11, 2015 9:11 AM  
**To:** Heather E. Beck  
**Subject:** RE: behchoko sludge

Thanks Heather. I read it and with only 5 more days to go I will leave it for Galvin and Howard to solve. FYI when we do a clarifier flush we open a keystone(motorized) valve and drain the clarifier. Leaving the valve open we then wash out the clarifier with a high pressure washer. Then start up the plant and fill the clarifier again. The whole system is hard plumbed. At no time do we have access to the sludge (liquid). We would need the plumbing modified to create an access port. Which involves shutting down the treatment plant. Summer when there is no school would be my best guess.

BTW lime was spread on Dec 3<sup>rd</sup>.

Cheers & Merry Xmas

Bruce

Water Plant Operator  
Community Government of Behchoko  
Box 68  
Behchoko,NT  
X0E 0Y0  
I(867)-392-6966  
I(867)-392-6967(f)

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**From:** Heather E. Beck [[mailto:Heather\\_Beck@gov.nt.ca](mailto:Heather_Beck@gov.nt.ca)]  
**Sent:** Thursday, December 10, 2015 2:17 PM  
**To:** Water Plant <[water@behchoko.ca](mailto:water@behchoko.ca)>  
**Subject:** RE: behchoko sludge

It was in the link, but I scanned it in for you...

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**From:** Water Plant [<mailto:water@behchoko.ca>]  
**Sent:** Thursday, December 10, 2015 2:06 PM

**To:** Heather E. Beck  
**Subject:** RE: behchoko sludge

What letter?

Water Plant Operator  
Community Government of Behchoko  
Box 68  
Behchoko, NT  
X0E 0Y0  
I(867)-392-6966  
I(867)-392-6967(f)

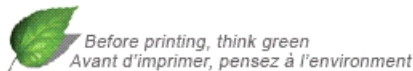
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**From:** Heather E. Beck [[mailto:Heather\\_Beck@gov.nt.ca](mailto:Heather_Beck@gov.nt.ca)]  
**Sent:** Thursday, December 10, 2015 1:14 PM  
**To:** [water@behchoko.ca](mailto:water@behchoko.ca)  
**Cc:** Sarah Elsasser ([selsasser@wlwb.ca](mailto:selsasser@wlwb.ca)) <[selsasser@wlwb.ca](mailto:selsasser@wlwb.ca)>; Fred J Mandeville <[Fred\\_J\\_Mandeville@gov.nt.ca](mailto:Fred_J_Mandeville@gov.nt.ca)>;  
Tyanna Steinwand <[Tyanna\\_Steinwand@gov.nt.ca](mailto:Tyanna_Steinwand@gov.nt.ca)>  
**Subject:** FW: behchoko sludge

Hey there Bruce,

What do you think about this? According to this letter the sludge can be sampled when you do a clean out of the system – is this possible? Please advise. Thanks.

*Heather Beck*  
Water Resource Officer  
North Slave Region; Water Division  
Department of Environment and Natural Resources  
Government of the Northwest Territories  
P.O. Box 2668 | Yellowknife, NT | X1A 2P9  
Tel: 1-867-873-7476 | Cell: 1-867-445-3208 | Fax: 1-867-873-6230  
[www.enr.gov.nt.ca](http://www.enr.gov.nt.ca)



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**From:** Sarah Elsasser [<mailto:selsasser@wlwb.ca>]  
**Sent:** Friday, December 04, 2015 4:32 PM  
**To:** Heather E. Beck  
**Subject:** RE: behchoko sludge

Hi Heather,

I have been digging into this a bit. This condition was put into the water licence based on feedback from the CGB and consultant.

See page 2 of their response during the renewal proceeding:

[http://www.mvlwb.ca/Boards/WLWB/Registry/2014/W2014L3-0002/W2014L3-0002%20-%20Behchoko%20-%20WLWB%20Information%20Requests%20from%20Technical%20Session%20-%20CGB%20Response%20-%20Jul%2030\\_14.pdf](http://www.mvlwb.ca/Boards/WLWB/Registry/2014/W2014L3-0002/W2014L3-0002%20-%20Behchoko%20-%20WLWB%20Information%20Requests%20from%20Technical%20Session%20-%20CGB%20Response%20-%20Jul%2030_14.pdf)

Was the consultant mistaken? Is CGB sure that they can't get the sludge sample?

If they absolutely cannot, this condition will continue to be unsatisfied. CGB could apply to amend their Licence. In order to consider amending this condition, the Board would need an application from CGB to amend their licence. A Type A water licence amendment would have to undergo a formal proceeding, possibly including a public hearing, and approval by the Minister.

Sarah

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**From:** Sarah Elsasser  
**Sent:** November 19, 2015 10:46 AM  
**To:** 'Heather E. Beck' <[Heather\\_Beck@gov.nt.ca](mailto:Heather_Beck@gov.nt.ca)>  
**Subject:** RE: behchoko sludge

Ok. We will figure things out from our end and get back to you. please let him know not to make any changes until he hears from us!

Thanks!

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**From:** Heather E. Beck [[mailto:Heather\\_Beck@gov.nt.ca](mailto:Heather_Beck@gov.nt.ca)]  
**Sent:** November 19, 2015 9:10 AM  
**To:** Sarah Elsasser <[selsasser@wlwb.ca](mailto:selsasser@wlwb.ca)>  
**Subject:** RE: behchoko sludge

Good morning,

He said that it feeds directly into the sewage system and goes to the lagoon.

Heather

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**From:** Sarah Elsasser [<mailto:selsasser@wlwb.ca>]  
**Sent:** Wednesday, November 18, 2015 3:05 PM  
**To:** Heather E. Beck  
**Subject:** RE: behchoko sludge

Hi Heather,

Where does the sludge from Edzo treatment go?

Sarah

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**From:** Heather E. Beck [[mailto:Heather\\_Beck@gov.nt.ca](mailto:Heather_Beck@gov.nt.ca)]  
**Sent:** November 9, 2015 10:44 AM  
**To:** Water Plant <[water@behchoko.ca](mailto:water@behchoko.ca)>  
**Cc:** Sarah Elsasser <[selsasser@wlwb.ca](mailto:selsasser@wlwb.ca)>; Tyanna Steinwand <[Tyanna\\_Steinwand@gov.nt.ca](mailto:Tyanna_Steinwand@gov.nt.ca)>  
**Subject:** RE: behchoko sludge

Good morning,

I am not sure if they are aware of this or not, I wasn't. I am cc'ing Sarah to make her aware that this is a hardship and to see what her thoughts are on this. Tyanna and I are thinking about going in again tomorrow to inspect the work done on the Edzo lagoon and the force-main spill from last week.

Heather

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**From:** Water Plant [<mailto:water@behchoko.ca>]  
**Sent:** Monday, November 09, 2015 10:35 AM  
**To:** Heather E. Beck  
**Subject:** RE: behchoko sludge

Oh oh. This may be a real problem. Edzo plant is hard plumbed into the sewer system. We do not have a "sludge tank" or access ports. Does the Board realize they are forcing us to make major modifications to the Edzo plant ?

Water Plant Operator  
Community Government of Behchoko  
Box 68  
Behchoko,NT  
X0E 0Y0  
I(867)-392-6966  
I(867)-392-6967(f)

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**From:** Heather E. Beck [[mailto:Heather\\_Beck@gov.nt.ca](mailto:Heather_Beck@gov.nt.ca)]  
**Sent:** Thursday, November 05, 2015 4:06 PM  
**To:** [water@behchoko.ca](mailto:water@behchoko.ca)  
**Cc:** Tyanna Steinwand <[Tyanna\\_Steinwand@gov.nt.ca](mailto:Tyanna_Steinwand@gov.nt.ca)>  
**Subject:** FW: behchoko sludge

Tyanna looked up what it says in the license. Sorry about the non-communication. I didn't know the requirements and was not on the case until Nahum left.

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**From:** Tyanna Steinwand  
**Sent:** Thursday, November 05, 2015 4:01 PM  
**To:** Heather E. Beck  
**Subject:** behchoko sludge

From the license:

Part D 13. The Licensee shall submit to the Board, for approval, characterizations of the sludge from the Rae Water Treatment Plant and the Edzo Water Treatment Plant. Each characterization shall contain the information set out in Schedule 2.

Schedule 2

Characterization of Water Treatment Plant Sludge The characterizations referred to in Part D, Item 13, shall include, but not be limited to, the following information: • Percentage solids • BOD • cBOD5 • COD • TOC • Conductivity • pH • Ammonia • TKN • Phosphorous • Cations/anions • Metals • Coliforms

*Tyanna Steinwand*

Water Resource Officer  
North Slave Region; Water Division  
Department of Environment and Natural Resources  
Government of the Northwest Territories  
Box 2668 Yellowknife, NT X1A 2P9  
Tel: (867)873-7443 Fax: (867)873-3620  
Email: [tyanna\\_steinwand@gov.nt.ca](mailto:tyanna_steinwand@gov.nt.ca)  
[www.enr.gov.nt.ca](http://www.enr.gov.nt.ca)