

Subject: RE: S18L3-003 - Re: Norman Wells Lagoon

Date: Wednesday, June 17, 2020 at 11:04:57 AM Mountain Daylight Time

From: Utilities Manager

To: Erin Goose

CC: Bonnie Bergsma, Ash Varghese

Good Morning Erin,

Thanks very much for your email, the decant valve is now open. I will test the quality of the water at the decant weekly as per our water license and keep you updated if anything changes. Have a good day!

Hugo Pabke
Utilities Manager
utilitiesmanager@normanwells.com
Town of Norman Wells
Water Treatment Facility
Ph: 867-587-3700 ext. 1015
Cell: 867-688-0669

-----Original Message-----

From: Erin Goose <Erin_Goose@gov.nt.ca>

Sent: Wednesday, June 17, 2020 10:21 AM

To: Utilities Manager <UtilitiesManager@normanwells.com>

Cc: Bonnie Bergsma <bonnie.bergsma@slwb.com>; Ash Varghese <ash.varghese@slwb.com>

Subject: Re: S18L3-003 - Re: Norman Wells Lagoon

Good morning Hugo,

As per the water license, because we both did water sampling recently and the weather has been exceptionally warm I do give you consent to discharge. Please keep me updated.

Thanks,

Erin

Mársı | Kinanāskomitin | Thank you | Merci | Hąj' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi

Erin Agnes Goose
Water Resource Officer
Sahtu Region
Environment and Natural Resources
Government of the Northwest Territories

31 Forrestry Drive, Cartrols bldg..
P.O. Box 130, Norman Wells, NT X0E 0V0
Ph: (867) 587-7203
Fax: (867) 587-2928

From: Utilities Manager <UtilitiesManager@normanwells.com>
Sent: June 16, 2020 8:19:24 AM
To: Erin Goose
Cc: Bonnie Bergsma; Ash Varghese
Subject: RE: S18L3-003 - Re: Norman Wells Lagoon

Good Morning Erin,

Could I get written authorization to being discharging from the wastewater treatment system into the receiving environment? Thanks very much.

Hugo Pabke
Utilities Manager
utilitiesmanager@normanwells.com<mailto:utilitiesmanager@normanwells.com>
Town of Norman Wells
Water Treatment Facility
Ph: 867-587-3700 ext. 1015
Cell: 867-688-0669

From: Ash Varghese <ash.varghese@slwb.com>
Sent: Monday, June 15, 2020 2:29 PM
To: Utilities Manager <UtilitiesManager@normanwells.com>
Cc: Erin Goose <Erin_Goose@gov.nt.ca>; Bonnie Bergsma <bonnie.bergsma@slwb.com>
Subject: Re: S18L3-003 - Re: Norman Wells Lagoon

Good afternoon Hugo,

Please note that Licence Part D condition 12 states “The Licensee shall submit Water quality data for samples collected from Surveillance Network Program stations S07L3-002-(1) to the Board and an Inspector as follows:

- a) No later than five days prior to commencing or resuming Discharge of effluent from the Wastewater Treatment System Facilities to the Receiving Environment; and
- b) No later than five days prior to commencing or resuming Discharge of effluent from the Wastewater Treatment System Facilities to the Receiving Environment following an exceedance of the effluent quality criteria specified in Part D, condition 5.

Discharge shall not commence until authorized in writing by the Inspector. “

Please get the consent from the Inspector, before you proceed with discharges from wastewater treatment system to the receiving environment.

This e-mail is copied to Erin Goose, Inspector, GNWT-ENR (Sahtu), for her response.
Do let me know if you have any questions/concerns.

Thanks,
Ash
Aswathy Mary Varghese, PhD
Regulatory Specialist
Sahtu Land and Water Board
Box 1 | Fort Good Hope, NT | Canada | X0E 0H0

Ph: (867) 598 2413 ext. 223<tel:867.766.7457> ash.varghese@slwb.com<mailto:aplautz@mvlwb.com> | www.slwb.com<<https://imss91-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=http%3a%2f%2fwww.mvlwb.com&umid=1D15EAA1-A834-3405-9613-688E79066B69&auth=e37718307d9d4661510ed473f8484f2b85cc430c-e2600161ed60aacf51590f5b1e3b48e9c5a2c7d1>>

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From: Utilities Manager <UtilitiesManager@normanwells.com<mailto:UtilitiesManager@normanwells.com>>
Date: Monday, June 15, 2020 at 2:14 PM
To: Ash Varghese <ash.varghese@slwb.com<mailto:ash.varghese@slwb.com>>, Bonnie Bergsma <bonnie.bergsma@slwb.com<mailto:bonnie.bergsma@slwb.com>>
Cc: Erin Goose <Erin_Goose@gov.nt.ca<mailto:Erin_Goose@gov.nt.ca>>
Subject: RE: S18L3-003 - Re: Norman Wells Lagoon

Good Afternoon Ash,

That sounds good, I will sample weekly during periods of decant as per the water license. I just wanted to confirm you are good with us opening the decant valve as we have met the criteria for beginning to decant.

Thanks very much,

Hugo Pabke
Utilities Manager
utilitiesmanager@normanwells.com<mailto:utilitiesmanager@normanwells.com>
Town of Norman Wells
Water Treatment Facility
Ph: 867-587-3700 ext. 1015
Cell: 867-688-0669

From: Ash Varghese <ash.varghese@slwb.com<mailto:ash.varghese@slwb.com>>
Sent: Monday, June 15, 2020 12:27 PM
To: Bonnie Bergsma <bonnie.bergsma@slwb.com<mailto:bonnie.bergsma@slwb.com>>; Utilities Manager <UtilitiesManager@normanwells.com<mailto:UtilitiesManager@normanwells.com>>
Cc: Erin Goose <Erin_Goose@gov.nt.ca<mailto:Erin_Goose@gov.nt.ca>>
Subject: S18L3-003 - Re: Norman Wells Lagoon

Hi Bonnie,

Thank you for forwarding the e-mail conversation regarding The sewage lagoon associated with the WL of Town of Norman Wells (S18L3-003).

Hi Hugo,

As per the WL, Annex A, Part B, the SNP location S07L3-002-(1) need to be sampled weekly during periods of decant. Sampling parameters: PH, temperature, Total Suspended Solids (TSS), CBOD, conductivity, Faecal

Coliforms, Oil and Grease, Ammonia Nitrogen, Total Nitrogen, nitrate-nitrogen, nitrite-nitrogen, total organic carbon and total phosphorous. PH, Faecal Coliforms, TSS, Oil and Grease and CBOD must meet the effluent quality criteria (EQC) as per Licence Part D, condition 5.

Also, please see the page 8 of Annual Report Template<<https://imss91-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=http%3a%2f%2fregistry.mvlwb.ca%2fDocuments%2fS18L3%2d003%2fS18L3%2d003%2520%2d%2520Annual%2520Report%2520Template%2520%2d%2520Municipal%2520Water%2520Licence%2520%2d%2520Norman%2520Wells%2520%2d%2520Nov%252015%5f19.pdf&umid=1D15EAA1-A834-3405-9613-688E79066B69&auth=e37718307d9d4661510ed473f8484f2b85cc430c-b9a25b12e4689e1fa5f5b7f60ea58ca0355e8772>> (Nov 2019 updated Annual Report Template).

Thanks,
Ash

Aswathy Mary Varghese, PhD
Regulatory Specialist
Sahtu Land and Water Board
Box 1 | Fort Good Hope, NT | Canada | X0E 0H0
Ph: (867) 598 2413 ext. 223<tel:867.766.7457> ash.varghese@slwb.com<mailto:aplautz@mvlwb.com> |
www.slwb.com<<https://imss91-ctp.trendmicro.com:443/wis/clicktime/v1/query?url=http%3a%2f%2fwww.mvlwb.com&umid=1D15EAA1-A834-3405-9613-688E79066B69&auth=e37718307d9d4661510ed473f8484f2b85cc430c-e2600161ed60aacf51590f5b1e3b48e9c5a2c7d1>>

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From: Bonnie Bergsma <bonnie.bergsma@slwb.com<mailto:bonnie.bergsma@slwb.com>>
Date: Monday, June 15, 2020 at 9:51 AM
To: Utilities Manager <UtilitiesManager@normanwells.com<mailto:UtilitiesManager@normanwells.com>>
Cc: Ash Varghese <ash.varghese@slwb.com<mailto:ash.varghese@slwb.com>>, Erin Goose <Erin_Goose@gov.nt.ca<mailto:Erin_Goose@gov.nt.ca>>
Subject: Re: Norman Wells Lagoon

Good Morning Hugo,

Yes I believe that would be acceptable to limit the sampling to the parameters with WQC in the Licence. I have copied my colleague Ash Mary Varghese as she is looking after most of the municipal licences in the Sahtu.

I have also copied the Water Resources Inspector.

Please wait for a response from them prior to beginning the decant.

Thanks,
Bonnie

Bonnie Bergsma, M.Sc.
Regulatory Specialist
Sahtu Land and Water Board
P.O. Box 1

Fort Good Hope NT XOE OH0
867-496-2778
Bonnie.bergsma@slwb.com<mailto:Bonnie.bergsma@slwb.com>

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From: Utilities Manager <UtilitiesManager@normanwells.com<mailto:UtilitiesManager@normanwells.com>>
Date: Friday, June 12, 2020 at 5:07 PM
To: Bonnie Bergsma <bonnie.bergsma@slwb.com<mailto:bonnie.bergsma@slwb.com>>
Subject: RE: Norman Wells Lagoon

Hi Bonnie,

I wanted to give you a quick update on the situation at the lagoon. We filled in the areas that had been breached in the lagoon berm as of May 14th. At the time we tried to open up the decant valve to relieve the flow over top of the lagoon however the decant pipe was still frozen at the time.

I would like to open the decant valve on Monday (June 15th) to bring the level down in the secondary cell. I have attached the testing results from water tests done at the decant site on May 19th that are well within the MACs for the decant site.

I will begin weekly sampling at the decant site as per our water Licence. This will be our first decant done under the new water Licence, I notice there are no MACs for some of the parameters (ammonia nitrogen, total nitrogen, nitrite-nitrogen, nitrate-nitrogen, total organic carbon, total phosphorus) for sampling done at S18L3-003-(1). Can we restrict our weekly sampling during our decant to pH, fecal coliforms, suspended solids, oil and grease and CBOD which all have MACs as per our water Licence.

Thanks very much,

Hugo Pabke
Utilities Manager
utilitiesmanager@normanwells.com<mailto:utilitiesmanager@normanwells.com>
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Ph: 867-587-3700 ext. 1015
Cell: 867-688-0669

From: Bonnie Bergsma <bonnie.bergsma@slwb.com<mailto:bonnie.bergsma@slwb.com>>
Sent: Friday, May 15, 2020 11:19 AM
To: Utilities Manager <UtilitiesManager@normanwells.com<mailto:UtilitiesManager@normanwells.com>>
Subject: Re: Norman Wells Lagoon

Hugo,

Thanks for confirming and for undertaking the decant sampling. If you have any photos that show the breach and high water, please send along to me for our records when you have time (no rush).

Thanks,
Bonnie

From: Utilities Manager <UtilitiesManager@normanwells.com<mailto:UtilitiesManager@normanwells.com>>
Date: Friday, May 15, 2020 at 10:51 AM
To: Bonnie Bergsma <bonnie.bergsma@slwb.com<mailto:bonnie.bergsma@slwb.com>>
Subject: RE: Norman Wells Lagoon

Good Morning Bonnie,

That is correct, the effluent water that is now flowing over the berm would be reduced by opening the decant valve. Also, I can start sampling the water coming through the decant valve. I anticipate we will need to be decanting all summer to try to lower the level of the lagoon. Please feel free to get in touch with me if you have any further questions.

Thanks very much,

Hugo Pabke
Utilities Manager
utilitiesmanager@normanwells.com<mailto:utilitiesmanager@normanwells.com>
Town of Norman Wells
Water Treatment Facility
Ph: 867-587-3700 ext. 1015
Cell: 867-688-0669

From: Bonnie Bergsma <bonnie.bergsma@slwb.com<mailto:bonnie.bergsma@slwb.com>>
Sent: Friday, May 15, 2020 10:36 AM
To: Utilities Manager <UtilitiesManager@normanwells.com<mailto:UtilitiesManager@normanwells.com>>
Subject: Re: Norman Wells Lagoon

Good Morning Hugo,

The water Licence has conditions related to decanting and sampling the effluent to ensure it meets Part D, condition 5 of the Licence at SNP station S07L3-002(1). However, this sounds like more of an emergency decant situation – just to clarify, the same effluent water that is now flowing over the berm would be redirected to the same location by opening the decant valve? If this is the case then yes, I believe that would be acceptable.

Thanks,
Bonnie

Bonnie Bergsma, M.Sc.
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Bonnie.bergsma@slwb.com<mailto:Bonnie.bergsma@slwb.com>

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may be posted to the public registry.

From: Utilities Manager <UtilitiesManager@normanwells.com<mailto:UtilitiesManager@normanwells.com>>
Date: Friday, May 15, 2020 at 9:35 AM
To: Bonnie Bergsma <bonnie.bergsma@slwb.com<mailto:bonnie.bergsma@slwb.com>>
Subject: RE: Norman Wells Lagoon

Good Morning Bonnie,

We filled in the area where water was flowing into the secondary cell yesterday afternoon. This morning we are working on building up the berm which water is flowing over out of the secondary cell. Could we get permission from the SLWB to open our decant valve to help relieve some of the flow over the berm? Thanks very much.

Hugo Pabke
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utilitiesmanager@normanwells.com<mailto:utilitiesmanager@normanwells.com>
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Water Treatment Facility
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From: Bonnie Bergsma <bonnie.bergsma@slwb.com<mailto:bonnie.bergsma@slwb.com>>
Sent: Thursday, May 14, 2020 3:39 PM
To: Utilities Manager <UtilitiesManager@normanwells.com<mailto:UtilitiesManager@normanwells.com>>
Cc: Ash Varghese <ash.varghese@slwb.com<mailto:ash.varghese@slwb.com>>
Subject: Re: Norman Wells Lagoon

Good Afternoon Hugo,
Thank you for informing the SLWB about the breach and follow up activities with the Inspector and repair work underway.
We will contact you if we have any other questions.
Regards,
Bonnie

Bonnie Bergsma, M.Sc.
Regulatory Specialist
Sahtu Land and Water Board
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Bonnie.bergsma@slwb.com<mailto:Bonnie.bergsma@slwb.com>

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From: Utilities Manager <UtilitiesManager@normanwells.com<mailto:UtilitiesManager@normanwells.com>>

Date: Thursday, May 14, 2020 at 3:09 PM

To: Bonnie Bergsma <bonnie.bergsma@slwb.com<mailto:bonnie.bergsma@slwb.com>>

Subject: Norman Wells Lagoon

Good Afternoon Bonnie,

Please be advised that we currently have water flowing out of our lagoon over the berm of the secondary cell. This flow was caused by a breach into the secondary cell caused by high water this spring.

We are currently working to repair the breach into the secondary cell, when that is complete we will work to raise the level of the berm at the lagoon to stop the flow of water out of the lagoon.

I have submitted a spill report to the GNWT spill line and we had a renewable resource office from ENR inspect the work we are doing.

You can get in touch with me at (867)688-0669 if you have any further questions.

Hugo Pabke

Utilities Manager

utilitiesmanager@normanwells.com<mailto:utilitiesmanager@normanwells.com>

Town of Norman Wells

Water Treatment Facility

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