

Subject: Re: S18L3-001 - Re: Deline Water Licence - New Landfill Construction
Date: Tuesday, June 16, 2020 at 4:22:53 PM Mountain Daylight Time
From: Ash Varghese
To: Foster, Arlen
CC: Laurel McDonald, Kirk Dolphus, Erin Goose, Olivia Lee, Luong, Nelson, Sudhansu Majumdar

Hi Arlen,

Thank you for the clarification regarding the three solid waste sites. So, I will expect the following submissions from the Licensee:

1. **(Historic) Landfill and Sewage Lagoon** Closure and Reclamation Plan Version 3 (References: [Latest Board Directive](#); [Landfill and Sewage lagoon C and R Plan Ver 2](#)));
2. **Temporary Solid Waste Facility** Closure and Reclamation Plan Version 1;
3. Updated **Solid Waste Facility** Operation and Maintenance Plan (**New Solid Waste Facility** operations);
4. Updated **Sewage Lagoon** Operation and Maintenance Plan; and
5. Other outstanding documents as per the [Letter from the Board dated May 31, 2019, regarding WL compliance concerns](#).

It is important to provide sufficient details in the naming of the documents to avoid ambiguity. Also, when submitting the documents, sufficient background information, including the timelines of construction, commissioning, closure etc. must be given.

I think this conversation is sufficient to help the Inspector to plan her trip to Deline. This conversation is enough, for the time being; however, it will be much easier for both of us to have a telephonic communication to help the upcoming review processes. I am available for a telephone call on June 25, 2020, or on June 29, 2020, any time between 1.30 PM and 4.30 PM (Mountain Time).

Best regards,
Ash

Aswathy Mary Varghese, PhD
Regulatory Specialist
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From: "Foster, Arlen" <Arlen.Foster@stantec.com>
Date: Tuesday, June 16, 2020 at 1:13 PM
To: Ash Varghese <ash.varghese@slwb.com>
Cc: Laurel McDonald <Laurel_McDonald@gov.nt.ca>, Kirk Dolphus <kirk.dolphus@gov.deline.ca>, Erin Goose <Erin_Goose@gov.nt.ca>, Olivia Lee <Olivia_Lee@gov.nt.ca>, "Luong, Nelson" <Nelson.Luong@stantec.com>
Subject: RE: S18L3-001 - Re: Deline Water Licence - New Landfill Construction

Hi Ash,

The meeting last Friday covered off the clarifications and confirmations of where each of Deline's solid waste facilities (historic, temporary, and new-in-construction) sit. To summarize:

Historic Landfill:

- GNWT-MACA is working to complete an update to the closure and reclamation plan for this site and will submit to the water board for approval and next steps of closure.

Temporary Landfill:

- Deline is currently disposing of waste at this site until the new in-construction landfill is up and running to accept waste
- Deline will then submit the closure and reclamation plan for this site and will submit to the water board for approval and next steps of closure.

New In-Construction Landfill:

- Deline is working to engage a construction contractor to finish off the new in-construction landfill at the moment which is aimed to be completed come fall 2020.
- Deline will submit a new O&M Plan for this landfill site for approval

We can schedule another teleconference meeting if any of the above still requires further discussion with you. Please let us know a time and day that works for you.

Regards,

Arlen Foster P. Eng.
Senior Associate, Civil Team Lead, Northern Canada

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From: Ash Varghese <ash.varghese@slwb.com>
Sent: Monday, June 15, 2020 11:28 AM
To: Erin Goose <Erin_Goose@gov.nt.ca>
Cc: Laurel McDonald <Laurel_McDonald@gov.nt.ca>; Kirk Dolphus <kirk.dolphus@gov.deline.ca>; Foster,

Arlen <Arlen.Foster@stantec.com>

Subject: Re: S18L3-001 - Re: Deline Water Licence - New Landfill Construction

Good morning Erin,

Thank you for your e-mail.

I think you need to wait for a little until the confusion regarding Deline's solid waste and sewage facilities get sorted out. Regarding reporting, one report will be sufficient.

For example, I now attach an old inspection report from 2015 on Deline's old WL S12L3-006. Page 2 of the inspection report (IR) (Aug 2015) discusses three solid waste facilities: 1) Old Solid Waste Facility (SWF), 2) Temporary SWF and 3) Anticipated new SWF to be functional from late September 2015. The IR says that Deline started using the site in 2015 itself. From the conversations below (see the e-conversation from June 11, 2020; replies from Arlen Foster; **Red text**), Deline's new SWF construction (started construction in 2016) is only 50% complete now. Therefore, I suggest you wait for the inspection until the new SWF is complete if you want to do the inspections in one go.

When I checked the public registry for S00L3-002, I read this [SLWB Staff Report from the year 2000](#); it's page 3 indicating that Deline's Solid Waste Site used in 2000 had an estimated life of 10 more years (till 2010). The August 2015 inspection report (S12L3-006) says that the household waste cell of the old landfill site was capped, with hazardous waste cell still in use in 2015.

I want Deline Gotine Govt. (DGG) to clarify the status of the three SWFs so that all of us will have a clear path forward. It will be beneficial to arrange a teleconference with DGG between June 25th and June 30th to clarify about the SWFs. For this purpose, I have copied this e-mail to Kirk Dolphus (DGG) and Arlen Foster (Stantec).

Thanks and regards

Ash

Aswathy Mary Varghese, PhD

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From: Erin Goose <Erin_Goose@gov.nt.ca>
Date: Friday, June 12, 2020 at 11:16 AM
To: Ash Varghese <ash.varghese@slwb.com>
Cc: Laurel McDonald <Laurel_McDonald@gov.nt.ca>
Subject: RE: S18L3-001 - Re: Deline Water Licence - New Landfill Construction

Good Morning Ash,

As per the last teleconference conversation with Deline and Stantec this morning, they wanted to see what is priority for the inspection in regards to the new and old O&M plan and Closure and Reclamation of the two sites (sewage and solid waste facility) Old and new. Should I report separately for the old one and the new one?

If I can get to Deline next week, I will use the last inspection report as a guideline to see what was done with the concerns from the last WRO. I can also talk with Kirk Dolphus on the issues stated in the report.

http://registry.mvlwb.ca/Documents/S18L3-001/S18L3-001%20-%20ENR%20Inspection%20Report%20for%20June%208%202018%20-%20June%2014_18.pdf

If you have any comments or concerns, please call me at (867) 688-1622 or email me back. I will at work on Monday morning aswell.

Thank you,

Erin

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

Erin Agnes Goose
Water Resource Officer
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From: Ash Varghese [<mailto:ash.varghese@slwb.com>]

Sent: June 11, 2020 8:26 PM

To: Foster, Arlen

Cc: Kirk Dolphus; Olivia Lee; Paul Dixon; Sudhansu Majumdar; Laurel McDonald; Luong, Nelson; Erin Goose

Subject: S18L3-001 - Re: Deline Water Licence - New Landfill Construction

Thank you, Arlen. This e-mail conversation loop (until your last reply) is now recorded on the Public Registry File S18L3-001 for future reference.

Thanks,
Ash, SLWB

From: "Foster, Arlen" <Arlen.Foster@stantec.com>

Date: Thursday, June 11, 2020 at 4:30 PM

To: Ash Varghese <ash.varghese@slwb.com>

Cc: Kirk Dolphus <kirk.dolphus@gov.deline.ca>, Olivia Lee <Olivia_Lee@gov.nt.ca>, Paul Dixon <paul.dixon@slwb.com>, Sudhansu Majumdar <Sudhansu_Majumdar@gov.nt.ca>, "Laurel_McDonald@gov.nt.ca" <Laurel_McDonald@gov.nt.ca>, "Luong, Nelson" <Nelson.Luong@stantec.com>, Erin Goose <Erin_Goose@gov.nt.ca>

Subject: RE: Deline Water Licence - New Landfill Construction

Hi Ash,

We can discuss with all parties during tomorrow's call but to answer your latest comments, I've added responses in red below.

Looking forward to coordinating with everyone during tomorrow's call.

Regards,

Arlen Foster P. Eng.
Senior Associate, Civil Team Lead, Northern Canada
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Mobile: 867 446-0568
arlen.foster@stantec.com

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From: Ash Varghese <ash.varghese@slwb.com>
Sent: Thursday, June 11, 2020 6:16 AM
To: Foster, Arlen <Arlen.Foster@stantec.com>
Cc: Kirk Dolphus <kirk.dolphus@gov.deline.ca>; Olivia Lee <Olivia_Lee@gov.nt.ca>; Paul Dixon <paul.dixon@slwb.com>; Sudhansu Majumdar <Sudhansu_Majumdar@gov.nt.ca>; Laurel_McDonald@gov.nt.ca; Luong, Nelson <Nelson.Luong@stantec.com>; Erin Goose <Erin_Goose@gov.nt.ca>
Subject: Re: Deline Water Licence - New Landfill Construction

Hi Mr. Foster,

Thanks for your reply.

See my responses to the clarifications provided in your e-mail. (Excerpts from your E-mail in blue text. My responses in black text).

1. The new solid waste site is being completed as per the [Municipal Solid Waste Drawings](#) previously submitted and are therefore the Final Design Drawings. These are issued as Final and stamped as Final. I don't believe another resubmission is therefore required in order for Deline to continue with the construction.

My Response: The [Municipal Solid Waste Drawings](#) was submitted on October 3, 2012, as part of the application package for the Deline's Old Water Licence S12L3-006. Its cover page says "Issued for Tender," and the drawing is stamped by a professional engineer. [As per Part E Condition 4 of the currently active Water Licence S18L3-001](#) (effective date May 5, 2018), the Final Design Drawing was supposed to be submitted to the Board at least 90 days prior to the construction, noting that the drawing is "Issued for Construction" or notes with similar words. **Anyway, this e-mail conversation loop will be recorded (on SLWB public registry; File S18L3-001) to note that the [Municipal Solid Waste Drawings](#) submitted on October 3, 2012 for water licence S12L3-006 will be considered as Final Design Drawings (Issued For Construction). Agreed, thank you.**

The letter from Deline Gotine Govt. (DGG) sent a [Notification of Construction \(New Solid Waste Construction\) dated November 4, 2016](#). It says that the construction would commence on the week of November 7, 2016. I could not see any follow up communications from DGG with respect to this letter. Based on this information, please clarify when the construction was actually started and why was the development stopped half-way through. Your response will clear the ambiguity related to the final design drawing, the solid waste facility construction, etc. **The construction started in 2016 and was roughly 50% completed but due to several implications with the community and the contractor, Deline had to place the construction on hold until now. Construction is planned to commence in the coming weeks.**

If there are any modifications to the construction plan, both the SLWB and the Inspector (GNWT-ENR) have to be notified 10 days prior to commencement of construction, as per [S18L3-001 Licence Part E](#),

Condition 5. No modifications have been or will be introduced at this time. If the need arose, agreed, Deline will follow Part E, Condition 5.

2. Once construction of the new solid waste site is complete, asbuilt drawings will be submitted to the SLWB.

My Response: Please refer to **Part E Condition 6**, which discusses the submission of final As-built drawings. As per the condition, any construction that deviates from the Final Drawings (Issued for Construction) must be clearly documented with reasons for decision in the As-built report. **Part F of the Licence lists the conditions for Modifications. Agreed. No modifications have been or will be introduced at this time. Asbuilts will be submitted following the water licence requirements.**

3. A new O&M Plan will be submitted to the SLWB in the coming month.

My Response: Please submit the revised O and M Plan, complying with Licence Part D, Condition 9. **This is where further clarification and discussion via a teleconference is suggested. A new O&M Plan will be prepared and submitted on the basis that the new landfill construction is completed this construction season.**

Can you confirm then that Deline can start using the new solid waste site once construction is complete and items 2 and 3 are submitted to the Board?

Response: The solid waste facilities must be inspected as per Licence S18L3-001 **Part D Conditions 7 and 10**. The inspection will be conducted by the Inspector (Ms. Erin Goose), GNWT-ENR (Sahtu). **Acknowledged, ample notice for a review will be provided and will likely be September 2020.**

Please let me know if you need further clarification. Also, do let me know if you have other questions/concerns.

Thanks,
Ash

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From: "Foster, Arlen" <Arlen.Foster@stantec.com>
Date: Tuesday, June 9, 2020 at 10:58 AM
To: Ash Varghese <ash.varghese@slwb.com>
Cc: Kirk Dolphus <kirk.dolphus@gov.deline.ca>, Olivia Lee <Olivia_Lee@gov.nt.ca>, Paul Dixon <paul.dixon@slwb.com>, Sudhansu Majumdar <Sudhansu_Majumdar@gov.nt.ca>, "Laurel_McDonald@gov.nt.ca" <Laurel_McDonald@gov.nt.ca>, "Luong, Nelson" <Nelson.Luong@stantec.com>
Subject: RE: Deline Water Licence - New Landfill Construction

Hi Ash,

Thank you for this information and clarifications. Per your email, I have the following clarifications:

1. The new solid waste site is being completed as per the [Municipal Solid Waste Drawings](#) previously submitted and are therefore the Final Design Drawings. These are issued as Final and stamped as Final. I don't believe another resubmission is therefore required in order for Deline to continue with the construction.
2. Once construction of the new solid waste site is complete, asbuilt drawings will be submitted to the SLWB.
3. A new O&M Plan will be submitted to the SLWB in the coming month.

Can you confirm then that Deline can start using the new solid waste site once construction is complete and items 2 and 3 are submitted to the Board?

Then Deline can work on the closure plan for the temporary solid waste site they are presently operating as well as address the remaining items of concern the Board notes in the attach letter that was issued May 31, 2019.

Regards,

Arlen Foster P. Eng.
Senior Associate, Civil Team Lead, Northern Canada

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From: Ash Varghese <ash.varghese@slwb.com>

Sent: Friday, June 5, 2020 4:51 PM

To: Foster, Arlen <Arlen.Foster@stantec.com>

Cc: Kirk Dolphus <kirk.dolphus@gov.deline.ca>; Olivia Lee <Olivia_Lee@gov.nt.ca>; Paul Dixon <paul.dixon@slwb.com>; Sudhansu Majumdar <Sudhansu_Majumdar@gov.nt.ca>; Laurel_McDonald@gov.nt.ca

Subject: Re: Deline Water Licence - New Landfill Construction

Hello Mr. Foster,

Thank you for your e-mail. Here is the SLWB approved [Municipal Solid Waste Drawings](#); approved under Deline's old municipal water licence [S12L3-006](#). **If** the construction was done (and proceeding) as per the approved drawings, **please submit a Final Design Drawing to the SLWB**. Also, the updated Operation and Maintenance Plans (O and M Plans) have to be submitted to the SLWB. Here is the currently approved [O and M plan](#) for the solid waste facility,

available on the SLWB file for Deline's active municipal water licence [S18L3-001](#). **Attached, please find an E-mail conversation** record involving Ms. Valene Kenny (Deline Gotine Govt.), Mr. Danny Gaudet (Deline Gotine Govt.) Mr. Sudhansu Majumdar (GNWT-MACA), Ms. Laurel McDonald (GNWT-ENR), Mr. Paul Dixon (SLWB) and myself (SLWB), **related to this matter**.

It will be useful to have a telephonic conversation to have clarity on the upcoming closure and reclamation on the temporary landfill site, the new landfill site and, to discuss the water licence's [outstanding compliance concerns](#).

I will be available for the teleconference between June 24, 2020, and June 30, 2020. We can discuss and fix a teleconference.

Please let me know if you have any other questions or concerns.

Thank you,
Ash

Aswathy Mary Varghese, PhD
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From: "Foster, Arlen" <Arlen.Foster@stantec.com>
Date: Friday, June 5, 2020 at 11:15 AM
To: Ash Varghese <ash.varghese@slwb.com>
Cc: Kirk Dolphus <kirk.dolphus@gov.deline.ca>, Olivia Lee <Olivia_Lee@gov.nt.ca>, Paul Dixon <paul.dixon@slwb.com>
Subject: Deline Water Licence - New Landfill Construction

Hi Ash,

We are assisting Deline with helping them have their new landfill that is currently half constructed to be fully completed and operational this summer. My understanding is that the stamped drawings and associated O&M Plan

were submitted to the Board at the onset of the project and approved. I haven't been able to confirm that fully on the SLWB public registry however. Can you confirm that the SLWB does not require additional information on this new landfill in construction and that we can have it fully completed per the original submitted stamped drawings and O&M Plan?

As a second priority, we will be working with Deline to also provide preliminary Closure & Reclamation Plans for the temporary landfill site that they have and continue to use until such time that the new one is operational. Once they plans are completed, we will submit them to the SLWB for approval. Simultaneously, MACA will be completing the necessary steps for the Closure & Reclamation of the historical lagoon and landfill sites.

If you'd like we can arrange to have a teleconference to discuss any questions, concerns, or requirements the SLWB has for getting Deline's municipal systems back on track.

Regards,

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Senior Associate, Civil Team Lead, Northern Canada

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