

From: [Erica Janes](#)
To: [Permits](#)
Subject: FW: Ft Resolution Existing Lagoon contingency
Date: August 7, 2018 11:19:45 AM
Importance: High

Please post email chain to MV2014L3-0008 – Ft Resolution – 5 Reports and Studies / Ops and Nots – Inspector correspondence re Sewage Lagoon contingencies – Aug3-18

From: Wendy Bidwell <Wendy_Bidwell@gov.nt.ca>
Sent: Friday, August 3, 2018 2:16 PM
To: Jean Soucy <Jean_Soucy@gov.nt.ca>; tausia.sao@gmail.com; Mayor Balsillie (louisbalsillie@gmail.com) <louisbalsillie@gmail.com>
Cc: Gavin Olvera <Gavin_Olvera@gov.nt.ca>; Erica Janes <ejanes@mvlwb.com>; csabel@dillon.ca
Subject: RE: Ft Resolution Existing Lagoon contingency
Importance: High

Good afternoon all,

As per the email string below, I'm wondering if the Hamlet has made any progress with the Sewage Lagoon Freeboard plan and/or have identified contingencies for inadequate freeboard and potential lagoon seeps/leaks and breaches of the facility. This is an overdue licence requirement (2 yrs. next month) that needs immediate attention and action. If there are currently no contingency plans developed and these matters continue to be unaddressed, the only course of action left to me will be the issuance of a protection order under the Environmental Protection Act.

Please update me as to the Hamlet's planned contingencies for this facility, and the status of the plan to address Freeboard in cell #1. An update on the plans for the new lagoon facility would be appreciated as well.

If you have any questions regarding the above requests or the licence info provided below, please don't hesitate to contact me.

Regards,

Wendy

Mársi | Kinanaskomitin | Thank you | Merci | Hǎj' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi
Wendy Bidwell

Water Resource Officer
South Slave Region
Department of Environment and Natural Resources
Government of the Northwest Territories

Highway #5
PO Box 900
Fort Smith, NT X0E 0P0

Phone: 867-872-6421
Cell: 867-446-3775
Fax: 867-872-4250
www.gov.nt.ca

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From: Wendy Bidwell
Sent: Tuesday, July 03, 2018 2:30 PM
To: Jean Soucy
Cc: Gavin Olvera; ejanes@mvlwb.com; tausia.sao@gmail.com
Subject: RE: Ft Resolution Existing Lagoon contingency
Importance: High

Hi Jean,

Thanks for forwarding the attached draft document. I'm guessing given the current state of the lagoon (i.e. lack of freeboard in cell 1 and possible leaks and seeps) that this document is the revised plan to Address Freeboard in Cell 1.

The Hamlet's [licence](#) requires the following in Part D, Item 8 :

8. Within nine (9) months of issuance, the Licensee shall submit to the Board, for approval, a Plan to Address the Freeboard Requirement at Cell 1 of the Sewage Disposal Facilities. The Plan shall include, but not be limited to, the following:

- a) Measure(s) to address the Freeboard requirement specified under Part D, item 7;
- b) Method(s) to calculate and monitor the Sewage lagoon infiltration rate; and
- c) A timeline and action plan for implementation of these improvement and monitoring measures.

The Hamlet's initial contractor did make a submission for this requirement, but in the Board's Aug 3rd 2017 letter addressed to the Hamlet ([MVLWB to FR-Aug 3 2017 Letter](#)) the Board requested submission of a revised version of the plan with the following additions:

1. Details as to how 1 m freeboard will be achieved, or if another recommendation is made by
a Professional Engineer, provide rationale for that recommendation;
2. A detailed description of the emergency procedure for pumping between cells 1 and 7,
including the method(s) to calculate and monitor the sewage lagoon infiltration rate (i.e. how often pumping may be required), the freeboard level at which pumping will be triggered, the amount to be pumped, and who is responsible for monitoring lagoon levels and doing the pumping; and

3. A detailed description of how lagoon level monitoring will be conducted using the gauge referenced, and how monitoring results will translate into emergency or any other procedure(s).

The Board also requires the Hamlet to revise drawing C-101 to include elevations, as required by Part F, item 1(a) of Licence MV2014L3-0008.

As it stands the draft you provided is more like a spill contingency plan, which the Hamlet has on file. I think the Board is looking for something that addresses the lagoon freeboard issue specifically, and is more prescriptive in terms of what the Hamlet plans to do to be both proactive (i.e. maintain and monitor the facility – see Board letter requirements above) and reactionary (i.e. no freeboard, spills). Perhaps a discussion with the Hamlet’s new contractor, Dillon Consulting (Crystal Sable) may provide you with some answers that would pertain to licence requirements noted above, and help flesh out the revised plan. I don’t know the specifics of Dillon’s contract with the Hamlet, but they may already be required to submit certain water licence plans/reports for the Hamlet as well.

In addition, when we last spoke you did mention transferring effluent from cell 1 into another cell to create some space and freeboard in cell 1. I’m ok with this plan, but would like more details. At my inspection meeting with Tausia, Chief Balsillie and Board staff I mentioned possibly desludging Cell 1 to buy the Hamlet some time until the new lagoon facility is built. This is still a feasible option, but the Hamlet should make arrangements *now* to have this booked soon to hopefully see completion by fall. I’m not certain of Aqua Clear’s availability this year. I have provided a link to their website [here](#).

Please give me a call if you have any questions regarding the above. Thanks for the follow up!

Regards,

Wendy

Mársi | Kinanaskomitin | Thank you | Merci | Hǽj’ | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi
Wendy Bidwell

Water Resource Officer
South Slave Region
Department of Environment and Natural Resources
Government of the Northwest Territories

Highway #5
PO Box 900
Fort Smith, NT X0E 0P0

Phone: 867-872-6421
Cell: 867-446-3775
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From: Jean Soucy
Sent: Friday, June 29, 2018 1:56 PM
To: Wendy Bidwell
Subject: Ft Resolution Existing Lagoon contingency

Hi Wendy,

I took a stab at the Wastewater contingency plan for the Fort Resolution today. Here's a draft. Can you review and let me know what I'm missing or if it needs more work, feel free to add your comments.

regards

Mársi | Kinanaskomitin | Thank you | Merci | Hǫj' | Quana | Qujannamiik | Quyanainni | Máhsı | Mahsi

Jean Soucy

Manager, Community Infrastructure and Planning
Municipal and Community Affairs
South Slave Region
Government of the Northwest Territories
Tel: (867)872-6532
Fax: (867)872-6526
Jean_soucy@gov.nt.ca

2nd floor, Sweetgrass Building
PO Box 127
177 McDougal Road
Fort Smith, NT X0E 0P0