

From: [Erica Janes](#)
To: [Permits](#)
Subject: FW: Fort Liard sewage lagoon
Date: Wednesday, July 5, 2017 8:53:06 AM
Attachments: [image001.png](#)

Please post email chain to MV2009L3-0025 – Ft Liard – 5 Reports and Studies / Ops and Nots – Inspector correspondence re emergency decant of Cell 3 – Jul4-17

From: Nahum Lee [mailto:Nahum_Lee@gov.nt.ca]
Sent: Tuesday, July 4, 2017 1:51 PM
To: mws@fortliard.com
Cc: Wendy Bidwell <Wendy_Bidwell@gov.nt.ca>; Heather E. Beck <Heather_Beck@gov.nt.ca>; Erica Janes <ejanes@mvlwb.com>; Mike Vassal <Mike_Vassal@gov.nt.ca>; Carl Lafferty <Carl_Lafferty@gov.nt.ca>; Bruno Croft <Bruno_Croft@gov.nt.ca>
Subject: RE: Fort Liard sewage lagoon

Hello Alan,

Having had a chance to look at the results provided and topography and geography around the Liard Sewage Treatment Facility, I am able to authorize a full decant of Cell 3 of the facility, if required to preserve Cell 1 and 2 infrastructure.

As discussed, decant will occur from Cell 3 and based on our discussions and my calculations, the effluent discharged will travel approximately 3km draining towards the Petitot River. In my opinion and based on the information you have provided, the surrounding lands will provide filtration for this effluent of which the only elevated results were TSS (44mg/L) and BOD (41.6mg/L). These results are only slightly higher than the licence effluent quality criteria of 30mg/L and 40mg/L respectively and likely the result of algal growth in the cell. At this time of year, it is common to see high TSS results in treated sewage effluent as a result of algal growth. Faecal coliforms were below detection limits (well below licence effluent criteria) which is a good indicator that treatment is occurring.

As negative impacts to surrounding surface water bodies is not likely, a spill report in this instance will not be necessary. Please conform to the SNP amended to your licence during the decant and inform inspectors of any potential issues during decant. Also, please confirm with Water Resource Officers once the decant of all cells is complete. Take care and have a good day.

Regards,

Nahum

Mársi | Kinanaskomitin | Thank you | Merci | Hǎj' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsi
Nahum Lee
Water Resource Officer
North Slave Region

Environment and Natural Resources
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Fax: 867-873-6230
nahum_lee@gov.nt.ca

From: Mike Vassal
Sent: Friday, June 30, 2017 5:14 PM
To: mws@fortliard.com
Cc: Wendy Bidwell; Nahum Lee; Heather E. Beck
Subject: Fort Liard sewage lagoon

Hi Alan

Please see Heather Beck's email below. You are permitted to do an emergency decant in order to protect the lagoon infrastructure. As we discussed, please decant the minimal amount necessary.

Please report this as a spill to the spill line. The form can be found at: spills@gov.nt.ca

Let me know if you have any questions.

Thank you

Mike

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

Mike Vassal

Manager, Resource Management

Department of Lands

South Slave Region

Government of the Northwest Territories

Box 658, Fort Smith, NT

XOE OPO

Phone: 867 872-2558 ex 24,
Fax: 867 872-3472
Email: mike_vassal@gov.nt.ca
www.gov.nt.ca

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From: Heather E. Beck
Sent: Friday, June 30, 2017 4:58 PM
To: Mike Vassal
Cc: Erica Janes (ejanes@mvlwb.com); Nahum Lee
Subject: RE: fax regarding Fort Liard sewage lagoon

Thanks Mike,

I have received it. I will review and compare with their water license requirements.

Please advise the hamlet of Fort Liard to proceed with emergency decant as planned, but just enough to protect their infrastructure and provide the required free-board until effluent results are in line with license requirements.

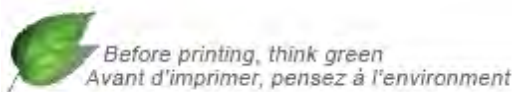
Thanks for your attention to this. Have a good weekend.

Heather Beck
Water Resource Officer
Water Division, North Slave Region
Environment and Natural Resources
Government of the Northwest Territories

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From: Mike Vassal
Sent: Friday, June 30, 2017 4:48 PM
To: Heather E. Beck
Subject: fax regarding Fort Liard sewage lagoon

Hi Heather

I sent the fax. I'll await your response.

Thanks

Mike

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

Mike Vassal

Manager, Resource Management

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