

From: [Wendy Bidwell](#)
To: [Susan Christie](#)
Cc: provwork@ssimicro.com; [Erica Janes](#); [Albert Bourque](#); [Crystal Collins](#)
Subject: RE: Sewage Lagoon Samples Fort Providence (Officer Authorization to Emergency Decant Sewage Lagoon)
Date: Monday, June 29, 2020 3:02:36 PM
Attachments: [200302 - 2021 - PRELIMINARY REPORT.PDF](#)
Importance: High

Good afternoon Susan,

At the time of inspection on June 16th I noted there was insufficient freeboard (<2 feet) at all of the Hamlet's lagoon cells, especially cells #4 & #5 (water licence SNP 1412-2-Site of Compliance). During the inspection I told Clifford that he should sample as soon as possible and to ready equipment and staff for an emergency decant. He relayed this information to you and complied with my requests; His cooperation was appreciated. The preliminary results have been reviewed and all parameters meet licence Effluent Quality Criteria (EQC). Seeing that the pre-decant sample results meet licence EQC and the potential for an uncontrolled release is high, I am approving the decant without the final results in order to avoid an uncontrolled spill, or overtopping of the lagoons. Therefore, **the Hamlet is approved to proceed with emergency decant operations at Cell #5 of the Sewage Disposal Facilities commencing on Monday June 29, 2020.** I will review the final pre-decant results as soon as they are available to ensure EQC is met. Final results will be available later today.

In addition, **please let me know when decant commences and ends. If decant is longer than a week, a weekly sample will be required for every week that the Hamlet decants as per the licence.** Clifford should request more sample bottles from the lab, if it is anticipated that decant will take longer than a week. Total effluent discharge volumes will need to be included in the annual water licence report, so it's important that this information is tracked and recorded as well.

If you have any questions regarding emergency decant operations, don't hesitate to contact me.

Please keep me posted.

Regards,

Wendy

Mársı | Kinanāskomitin | Thank you | Merci | Hą́ı' | 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
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From: Judy Mah
Sent: Monday, June 29, 2020 1:05 PM
To: Wendy Bidwell
Cc: Susan Christie
Subject: RE: Sewage Lagoon Samples Fort Providence

Hello Wendy,

The HEM result is in the attached preliminary report. The final should be available this afternoon.

Thanks very much,
Judy

From: Wendy Bidwell
Sent: Monday, June 29, 2020 11:11 AM
To: Judy Mah
Cc: Susan Christie
Subject: RE: Sewage Lagoon Samples Fort Providence

Hi Judy,

Just curious whether the HEM results are available yet?

Thanks,

Wendy

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

Wendy Bidwell

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From: Susan Christie [<mailto:sao@fortprovidence.ca>]
Sent: Thursday, June 25, 2020 4:09 PM
To: Wendy Bidwell
Subject: FW: Sewage Lagoon Samples Fort Providence

From: Judy Mah <Judy_Mah@gov.nt.ca>
Sent: Thursday, June 25, 2020 3:41 PM
To: Susan Christie <sao@fortprovidence.ca>
Subject: RE: Sewage Lagoon Samples Fort Providence

Hello Susan,

We are waiting on the HEM result which is being run today. I've attached the preliminary report in the meantime.

Thanks very much,
Judy

From: Susan Christie [<mailto:sao@fortprovidence.ca>]
Sent: Thursday, June 25, 2020 3:29 PM
To: Judy Mah
Subject: RE: Sewage Lagoon Samples Fort Providence

EXTERNAL: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender's name and email address and know the content is safe.

Hi Judy,

Any progress with the lab results from sewage lagoon?

Thanks,

Susan
Hamlet of Fort Providence

From: Judy Mah <Judy_Mah@gov.nt.ca>
Sent: Wednesday, June 17, 2020 3:43 PM
To: Susan Christie <sao@fortprovidence.ca>
Cc: Wendy Bidwell <Wendy_Bidwell@gov.nt.ca>
Subject: RE: Sewage Lagoon Samples Fort Providence

Hello Susan,

Thank you for the notice and we'll keep an eye out for these samples.

We can also put them through as rush.

Thanks very much,
Judy

From: Susan Christie [<mailto:sao@fortprovidence.ca>]
Sent: Wednesday, June 17, 2020 3:10 PM
To: Judy Mah
Cc: Wendy Bidwell
Subject: RE: Sewage Lagoon Samples Fort Providence

Hi Judy,

We are having to deal with our annual sewage lagoon decant on an emergency basis this year, as all cells are full. The ENR Inspector was here yesterday and requested us to go ahead with the decant as soon as lab results are cleared.

We are sending in the samples tomorrow by Tundra Transfer. They will deliver the samples to the lab for us.

Is it possible to have these samples tested asap in order that we may proceed with decanting.

Thank you,

Susan
Hamlet of Fort Providence

From: Judy Mah <Judy_Mah@gov.nt.ca>
Sent: Wednesday, August 14, 2019 2:01 PM
To: Susan Christie (sao@fortprovidence.ca) <sao@fortprovidence.ca>
Subject: Trying to reach Clifford McLeod

Hello Susan,

Cliff left a message on my phone but I didn't quite understand if he was sending in samples or if he received the bottles I shipped.

I tried reaching him at 699-4313 but there was no answer and I wanted to make sure I spoke to him to understand if we needed to pick up samples or not.

If you can, can you please ask him to call me again (767-9235, ext 53153).

Thanks very much,
Judy

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

Judy Mah

Client Services
Taiga Environmental Laboratory
Environment and Natural Resources
Government of the Northwest Territories

Mailing Address
4601 – 52 Avenue
P.O. Box 1320
Yellowknife, NT X1A 2L9

Shipping Address
4601 – 52 Avenue
Yellowknife, NT X1A 1L4

Direct Phone: 867-767-9235 Ext. 53153
Main Phone: 867-767-9235 Ext. 53151
Fax: 867-920-8740

Survey: <https://www.surveymonkey.com/r/TaigaLab>

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Taiga Environmental Laboratory
4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9
Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:
200302

- PRELIMINARY REPORT -

Prepared For: Hamlet of Fort Providence

Address: General Delivery
Fort Providence, NT
X0E 0L0

Attn: Susan Christie

Facsimile: (867) 699-4624

Final report has been reviewed and approved by:

Judy Mah
Client Service Officer

NOTES:

- Test methods and data are validated by the laboratory's Quality Assurance Program. Taiga Environmental Laboratory is accredited by the Canadian Association for Laboratory Accreditation Inc. (CALA) to ISO/IEC 17025 as a testing laboratory for specific tests registered with CALA.
- Routine methods are based on recognized procedures from sources such as
 - Standard Methods for the Examination of Water and Wastewater APHA AWWA WEF;
 - Environment Canada
 - USEPA
- Samples shall be kept for thirty (30) days after the final report is issued. All microbiological samples shall be disposed of immediately upon completion of analysis to minimize biohazardous risks to laboratory personnel. Please contact the laboratory if you have any special requirements.
- Final results are based on the specific tests at the time of analysis and do not represent the conditions during sampling.

ReportDate:

Print Date: *Monday, June 29, 2020*

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Taiga Environmental Laboratory

4601-52nd Ave., Box 1320, Yellowknife, NT. X1A 2L9

Tel: (867)-767-9235 Fax: (867)-920-8740

Taiga Batch No.:
200302

- CERTIFICATE OF ANALYSIS -

Client Sample ID: **1412-2**

Taiga Sample ID: **001**

Client Project:

Sample Type: Water

Received Date: 19-Jun-20

Sampling Date: 18-Jun-20

Sampling Time:

Location:

Report Status: Preliminary

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifier
<u>Inorganics - Nutrients</u>						
Ammonia as Nitrogen	41.7	0.005	mg/L	23-Jun-20	SM4500-NH3:G	
CBOD	16	2	mg/L	19-Jun-20	SM5210:B	
Phosphorous, Total	7.23	0.002	mg/L	24-Jun-20	SM4500-P:D	
<u>Inorganics - Physicals</u>						
pH	8.76		pH units	19-Jun-20	SM4500-H:B	
Solids, Total Suspended	46	3	mg/L	23-Jun-20	SM2540:D	
<u>Microbiology</u>						
Coliforms, Fecal	< 100	100	CFU/100mL	19-Jun-20	SM9222:D	
<u>Organics</u>						
Hexane Extractable Material	< 2.0	2.0	mg/L	25-Jun-20	EPA1664A	
<u>Subcontracted Inorganics</u>						
Nitrate as Nitrogen	0.303	0.020	mg/L	22-Jun-20	EPA300.1	
Nitrite as N	0.314	0.010	mg/L	22-Jun-20	EPA300.1	

ReportDate:

Print Date: *Monday, June 29, 2020*

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- CERTIFICATE OF ANALYSIS -

Client Sample ID: **1412-2**

Taiga Sample ID: **001**

*** Taiga analytical methods are based on the following standard analytical methods**

SM - Standard Methods for the Examination of Water and Wastewater

EPA - United States Environmental Protection Agency

ReportDate:

Print Date: *Monday, June 29, 2020*

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