

From: Wendy Bidwell
To: sao@fortprovidence.ca
Cc: [Robert](#); [Erica Janes](#)
Subject: Inspector Approval to Decant Cell #5 of Sewage Lagoon System_Hamlet of Fort Providence_Water Licence MV2016L3-0001
Date: Thursday, October 13, 2016 9:47:44 AM
Importance: High

Good morning,

All parameters of the additional pre-decant samples collected by the Hamlet meet licence effluent quality criteria, thus I approve decant of Cell #5 of the Sewage Lagoon System. Please proceed with decant operations and keep me posted on progress. Thanks for your cooperation and compliance with the new requirements of your water licence. If you have any questions or concerns with regard to the above authorization, or decant operations, please don't hesitate to contact me.

Regards,

Wendy

Wendy Bidwell

Water Resource Officer

South Slave Region

Department of Environment & Natural Resources

Government of the Northwest Territories

P.O. Box 900 | Fort Smith, NT | X0E 0P0

Tel: 1-867-872-6421 | Cell: 1-867-446-3775 | Fax: 1-867-872-4250

Email: wendy_bidwell@gov.nt.ca

Web: <http://www.enr.gov.nt.ca>

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From: Wendy Bidwell
To: [Heather Scott](#)
Cc: [Erica Janes](#)
Subject: RE: Emailing: 160992 - 1617 - FINAL REPORT, 160992 - 1617 - FINAL REPORT
Date: Thursday, October 13, 2016 9:28:13 AM

Hi Heather/Erica

Thanks for the follow up. I will be sending out approval to decant to the Hamlet directly.

Thanks,

Wendy

Wendy Bidwell
Water Resource Officer
South Slave Region
Department of Environment & Natural Resources
Government of the Northwest Territories
P.O. Box 900 I Fort Smith, NT I X0E 0P0
Tel: 1-867-872-6421 I Cell: 1-867-446-3775 I Fax: 1-867-872-4250
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-----Original Message-----

From: Heather Scott [<mailto:heather.scott@mvlwb.com>]
Sent: Wednesday, October 12, 2016 2:26 PM
To: Wendy Bidwell
Cc: Erica Janes
Subject: RE: Emailing: 160992 - 1617 - FINAL REPORT, 160992 - 1617 - FINAL REPORT

Wendy/Erica-

I do not see any concern with the commencement of decant. BTEX concentrations are low/undetectable and Extractable Hydrocarbons are at a concentration lower than 5mg/L - the concentration that is often used as discharge criteria for this parameter in Water Licences issued by the Board.

Heather Scott, M.A.Sc., P.Chem.
Technical Advisor
Mackenzie Valley Land and Water Board
7th Floor, 4922 48th St, PO Box 2130 | Yellowknife, NT | X1A 2P6 ph 867.766.7463 | fax 867.873.6610
heather.scott@mvlwb.com | www.mvlwb.com Please note: All correspondence to the Board, including emails, letters, faxes and attachments are public documents and may be posted to the public registry.

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

From: Wendy Bidwell [mailto:Wendy_Bidwell@gov.nt.ca]
Sent: October 11, 2016 1:43 PM

To: Heather Scott <heather.scott@mvlwb.com>
Cc: Erica Janes <ejanes@mvlwb.com>
Subject: FW: Emailing: 160992 - 1617 - FINAL REPORT, 160992 - 1617 - FINAL REPORT

Hello,

Please see attached the results the Hamlet of Fort Providence forwarded to me this morning. These are the results for BTEX and Total Purgeable HC's. Levels look low. TEH came back at 3.2mg/l. Haven't seen results for another O&G sample though. Should we wait on these results prior to me authorizing decant? I know they are anxious to get started given the time it takes to decant-3 weeks and the weather window closing. I will follow up with Hamlet to see if they have collected the O&G sample.

Thanks,

Wendy

Wendy Bidwell
Water Resource Officer
South Slave Region
Department of Environment & Natural Resources Government of the Northwest Territories P.O. Box 900 I Fort Smith, NT I X0E 0P0
Tel: 1-867-872-6421 I Cell: 1-867-446-3775 I Fax: 1-867-872-4250
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-----Original Message-----

From: Robert [<mailto:provwork@ssimicro.com>]
Sent: Tuesday, October 11, 2016 7:58 AM
To: sao@fortprovidence.ca
Cc: Wendy Bidwell
Subject: FW: Emailing: 160992 - 1617 - FINAL REPORT, 160992 - 1617 - FINAL REPORT

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

From: Glen Hudy [mailto:Glen_Hudy@gov.nt.ca] On Behalf Of taiga
Sent: October 6, 2016 10:21 AM
To: provwork@ssimicro.com
Subject: Emailing: 160992 - 1617 - FINAL REPORT, 160992 - 1617 - FINAL REPORT

Robert,

Please see attached for final report 160992.

Have a good day.

Glen Hudy
Taiga Environmental Laboratory
Environment and Natural Resources

Government of the Northwest Territories

Main Line: 867-767-9235 Ext. 53151 | Fax: 867-920-8740 taiga@gov.nt.ca

Your message is ready to be sent with the following file or link attachments:

160992 - 1617 - FINAL REPORT

160992 - 1617 - FINAL REPORT

Note: To protect against computer viruses, e-mail programs may prevent sending or receiving certain types of file attachments. Check your e-mail security settings to determine how attachments are handled.



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

Taiga Batch No.:
160992

- FINAL REPORT -

Prepared For: Hamlet of Fort Providence

Address: General Delivery
Fort Providence, NT
X0E 0L0

Attn: Robert Tanche

Facsimile: (867) 699-4624

Final report has been reviewed and approved by:

Glen Hudy
Quality Assurance 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: Thursday, October 06, 2016

Print Date: *Thursday, October 06, 2016*

Page 1 of 3



Taiga Environmental Laboratory

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

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

Taiga Batch No.:
160992

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: **001**

Client Project:

Sample Type: Sewage

Received Date: 04-Oct-16

Sampling Date: 03-Oct-16

Sampling Time: 11:00

Location: Lagoon

Report Status: Final

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Organics						
Benzene	< 0.005	0.005	mg/L	04-Oct-16	EPA8260B	
Ethylbenzene	< 0.005	0.005	mg/L	04-Oct-16	EPA8260B	
F2: C10-C16		0.2	mg/L		EPA8015B	16
F3: C16-C34		0.2	mg/L		EPA8015B	16
F4: C34-C50		0.2	mg/L		EPA8015B	16
Hydrocarbons, Total Extractable		0.2	mg/L		EPA8015B	16
Hydrocarbons, Total Purgeable	< 0.3	0.3	mg/L	04-Oct-16	EPA8015	
Toluene	< 0.005	0.005	mg/L	04-Oct-16	EPA8260B	
Xylenes	< 0.005	0.005	mg/L	04-Oct-16	EPA8260B	

ReportDate: Thursday, October 06, 2016

Print Date: *Thursday, October 06, 2016*

Page 2 of 3



Taiga Environmental Laboratory

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

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

Taiga Batch No.:

160992

- CERTIFICATE OF ANALYSIS -

Client Sample ID:

Taiga Sample ID: **001**

- DATA QUALIFIERS -

Data Qualifier Descriptions:

16 *Test requested but no sample bottle received*

*** 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: Thursday, October 06, 2016

Print Date: *Thursday, October 06, 2016*

Page 3 of 3

Client Name	Taiga Sample ID	Client Sample ID	Sample Type	Sampling Location	Sample Collect Date	Sample Received Date	Test Group Name	Lab Section	Parameter Name	Result Flag	Reported Result	Units	CALC. MDL	Triple Result Qual	Analysis Result Qual	Analysis Date	Prep Method	Test Method	REPORT STATUS	DL
Hamlet of Fort Providence	160992-001		Sewage	Lagoon	03-Oct-16	04-Oct-16 BTEXs	Organics		Benzene	<	0.005	mg/L	0.005			04-Oct-16	EPA5030B	EPA8260B	Final	0.005
Hamlet of Fort Providence	160992-001		Sewage	Lagoon	03-Oct-16	04-Oct-16 BTEXs	Organics		Ethylbenzene	<	0.005	mg/L	0.005			04-Oct-16	EPA5030B	EPA8260B	Final	0.005
Hamlet of Fort Providence	160992-001		Sewage	Lagoon	03-Oct-16	04-Oct-16 ExPH - Fraction	Organics		F2: C10-C16			mg/L	0.2	16				EPA8015B	Final	0.2
Hamlet of Fort Providence	160992-001		Sewage	Lagoon	03-Oct-16	04-Oct-16 ExPH - Fraction	Organics		F3: C16-C34			mg/L	0.2	16				EPA8015B	Final	0.2
Hamlet of Fort Providence	160992-001		Sewage	Lagoon	03-Oct-16	04-Oct-16 ExPH - Fraction	Organics		F4: C34-C50			mg/L	0.2	16				EPA8015B	Final	0.2
Hamlet of Fort Providence	160992-001		Sewage	Lagoon	03-Oct-16	04-Oct-16 ExPH - Fraction	Organics		Hydrocarbons, Total Extractable			mg/L	0.2	16				EPA8015B	Final	0.2
Hamlet of Fort Providence	160992-001		Sewage	Lagoon	03-Oct-16	04-Oct-16 PurghC	Organics		Hydrocarbons, Total Purgeable	<	0.3	mg/L	0.3			04-Oct-16		EPA8015	Final	0.3
Hamlet of Fort Providence	160992-001		Sewage	Lagoon	03-Oct-16	04-Oct-16 BTEXs	Organics		Toluene	<	0.005	mg/L	0.005			04-Oct-16	EPA5030B	EPA8260B	Final	0.005
Hamlet of Fort Providence	160992-001		Sewage	Lagoon	03-Oct-16	04-Oct-16 BTEXs	Organics		Xylenes	<	0.005	mg/L	0.005			04-Oct-16	EPA5030B	EPA8260B	Final	0.005