From:	Erica Janes
To:	Permits
Cc:	Heather Scott
Subject:	FW: Emailing: 190157 - 1920 - FINAL REPORT, 190157 - 1920 - FINAL REPORT
Date:	April 16, 2019 2:13:56 PM
Attachments:	190157 - 1920 - FINAL REPORT.pdf 190157 - 1920 - FINAL REPORT.xls

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Please post email and attachments to MV2011L3-0001 - Ft Smith - 5 Reports and Studies / SNP Reports - SNP results from stations 567-1 and 567-2 on March 27 2019 - Apr16-19

-----Original Message-----
From: Glen Hudy <Glen_Hudy@gov.nt.ca> On Behalf Of taiga
Sent: Tuesday, April 16, 2019 11:33 AM
To: Jesse Foote <jfoote@fortsmith.ca>; Erica Janes <ejanes@mvlwb.com>; Wendy Bidwell <Wendy_Bidwell@gov.nt.ca>
Subject: Emailing: 190157 - 1920 - FINAL REPORT, 190157 - 1920 - FINAL REPORT

Jesse,

Please see attached for final report 190157.

Have a good day.

Mársi | Kinanaskomitin | Thank you | Merci | Hąį' | Quana | Qujannamiik | Quyanainni | Máhsı | Máhsı | Mahsì Glen Hudy Chemist, Quality Assurance Water Resources Environment and Natural Resources Government of the Northwest Territories

Taiga Environmental Laboratory
PO Box 1320
Yellowknife, NT X1A 2L9

Phone: 867-767-9235 Ext. 53154
Fax: 867-920-8740
www.enr.gov.nt.ca

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

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

190157 - 1920 - FINAL REPORT
190157 - 1920 - 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.: 190157

- FINAL REPORT -

Prepared For: Town of Fort Smith

Address: P.O. Box 147
Fort Smith,NT
X0E 0P0

Attn: **Jesse Foote** **Facsimile: (867) 872-3166**

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: Monday, April 15, 2019
Print Date: ***Tuesday, April 16, 2019***

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

Taiga Batch No.: 190157

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 567-1 **Taiga Sample ID:** 001

Client Project: MV2011L3-001
Sample Type: Potable
Received Date: 28-Mar-19
Sampling Date: 27-Mar-19
Sampling Time: 13:00
Location: 567-1
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Physicals						
pH	7.54		pH units	28-Mar-19	SM4500-H:B	
Major Ions						
Fluoride	< 0.1	0.1	mg/L	29-Mar-19	SM4110:B	

ReportDate: Monday, April 15, 2019
Print Date: ***Tuesday, April 16, 2019***

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

Taiga Batch No.: 190157

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 567-2 **Taiga Sample ID:** 002

Client Project: MV2011L3-001
Sample Type: Wastewater
Received Date: 28-Mar-19
Sampling Date: 27-Mar-19
Sampling Time: 13:00
Location: 567-2
Report Status: **Final**

Test Parameter	Result	Detection Limit	Units	Analysis Date	Analytical Method *	Qualifer
Inorganics - Nutrients						
Biochemical Oxygen Demand	219	2	mg/L	29-Mar-19	SM5210:B	
CBOD	216	2	mg/L	29-Mar-19	SM5210:B	
Inorganics - Physicals						
pH	6.84		pH units	28-Mar-19	SM4500-H:B	
Solids, Total Suspended	16	3	mg/L	04-Apr-19	SM2540:D	
Major Ions						
Nitrate+Nitrite as Nitrogen	0.07	0.01	mg/L	29-Mar-19	SM4110:B	
Microbiology						
Coliforms, Fecal	250000	10000	CFU/100mL	28-Mar-19	SM9222:D	
Subcontracted Inorganics						
Phosphorous, Total	5.63	0.002	mg/L	09-Apr-19	APHA4500:P	
Subcontracted Nutrients						
Ammonia as Nitrogen	45.90	0.005	mg/L	11-Apr-19	SM4500 NH3	

ReportDate: Monday, April 15, 2019
Print Date: ***Tuesday, April 16, 2019***

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

Taiga Batch No.: 190157

- CERTIFICATE OF ANALYSIS -

Client Sample ID: 567-2 **Taiga Sample ID:** 002

*** 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: Monday, April 15, 2019

Print Date: *Tuesday, April 16, 2019*

Client Name	Taiga Sample ID	Client Sample ID	Sample Type	Sampling Location	Sample Collect Date	Sample Received Date	Test Group Name	Lab Section
Town of Fort Smith	190157-001	567-1	Potable	567-1	27-Mar-19	28-Mar-19	pH	Inorganics - Physicals
Town of Fort Smith	190157-001	567-1	Potable	567-1	27-Mar-19	28-Mar-19	IC Anion	Major Ions
Town of Fort Smith	190157-002	567-2	Wastewater	567-2	27-Mar-19	28-Mar-19	BOD	Inorganics - Nutrients
Town of Fort Smith	190157-002	567-2	Wastewater	567-2	27-Mar-19	28-Mar-19	CBOD	Inorganics - Nutrients
Town of Fort Smith	190157-002	567-2	Wastewater	567-2	27-Mar-19	28-Mar-19	TSS	Inorganics - Physicals
Town of Fort Smith	190157-002	567-2	Wastewater	567-2	27-Mar-19	28-Mar-19	pH	Inorganics - Physicals
Town of Fort Smith	190157-002	567-2	Wastewater	567-2	27-Mar-19	28-Mar-19	IC Anion	Major Ions
Town of Fort Smith	190157-002	567-2	Wastewater	567-2	27-Mar-19	28-Mar-19	FC - CFU	Microbiology
Town of Fort Smith	190157-002	567-2	Wastewater	567-2	27-Mar-19	28-Mar-19	TP - ALS	Subcontracted Inorganics
Town of Fort Smith	190157-002	567-2	Wastewater	567-2	27-Mar-19	28-Mar-19	NH3-N - ALS	Subcontracted Nutrients

Parameter Name	Result Flag	Reported Result	Units	CALC_MDL	mple Result Qual	alysis Result Qual	Analysis Date	Prep Method	Test Method	REPORT STATUS
pH		7.54	pH units				28-Mar-19		SM4500-H:B	Final
Fluoride	<	0.1	mg/L	0.1			29-Mar-19		SM4110:B	Final
Biochemical Oxygen Demand		219	mg/L	2			29-Mar-19		SM5210:B	Final
CBOD		216	mg/L	2			29-Mar-19		SM5210:B	Final
Solids, Total Suspended		16	mg/L	3			04-Apr-19		SM2540:D	Final
pH		6.84	pH units				28-Mar-19		SM4500-H:B	Final
Nitrate+Nitrite as Nitrogen		0.07	mg/L	0.01			29-Mar-19		SM4110:B	Final
Coliforms, Fecal		250000	CFU/100mL	10000			28-Mar-19		SM9222:D	Final
Phosphorous, Total		5.63	mg/L	0.002			09-Apr-19		APHA4500:P	Final
Ammonia as Nitrogen		45.90	mg/L	0.005			11-Apr-19		SM4500 NH3	Final

DL
0.1
2
2
3
0.01
10000
0.002
0.005