

**From:** [Erica Janes](#)  
**To:** [Permits](#)  
**Subject:** FW: 2018 inspection  
**Date:** February 21, 2019 8:45:07 AM  
**Attachments:** [Fort Liard Inspection 2018-signed.pdf](#)

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Please post email and attachment to MV2009L3-0025 – Ft Liard – 5 Reports and Studies / Inspection Reports – June 13 2018 Inspection Report – Feb 20-19

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**From:** Sonja Martin-Elson <Sonja\_Martin-Elson@gov.nt.ca>  
**Sent:** Wednesday, February 20, 2019 3:50 PM  
**To:** mws@fortliard.com  
**Cc:** Erica Janes <ejanes@mvlwb.com>; Jamie Chambers <Jamie\_Chambers@gov.nt.ca>  
**Subject:** 2018 inspection

Hello,

I've attached a copy of the inspection report from the June 13 2018 inspection.

Thanks for your time!

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

Sonja Martin-Elson  
Water Resource Officer  
Dehcho  
Environment and Natural Resources  
Government of the Northwest Territories

PO Box 240  
9910-105 Avenue  
Fort Simpson, NT X0E 0N0

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Telephone: (867)695-7477  
Fax: (867)695-2381

February 20, 2019

Hamlet of Fort Liard  
General Delivery  
Fort Liard, NT X0G 0A0

**Attention: Alan Harris, Municipal Operations Manager**

**File Number** MV2009L3-0025  
**Type of Operation** CLASS B - MUNICIPAL  
**Location** Fort Liard

Dear Alan Harris, Municipal Operations Manager,

An inspection of the above noted operation was conducted on June 13, 2018 by Water Resource Officer Sonja Martin-Elson and Water Resource Officer Nahum Lee.

Enclosed is a copy of the MUNICIPAL Water Use Inspection Report.

If you have any questions, please contact me at (867)695-7477.

Sincerely,

Sonja Martin-Elson  
Water Resource Officer  
Department of Environment and  
Natural Resources  
Dehcho

Cc:

**«INSP\_TYPE» WATER USE INSPECTION REPORT**

|                     |  |                             |                          |
|---------------------|--|-----------------------------|--------------------------|
| <b>LICENCE #:</b>   | <b>MV2009L3-0025</b>                             | <b>EXPIRY DATE:</b>         | <b>February 29, 2020</b> |
| <b>LICENCEE:</b>    | <b>Hamlet of Fort Liard</b>                      | <b>PREVIOUS INSPECTION:</b> | <b>June 05, 2013</b>     |
| <b>COMPANY REP:</b> | <b>Alan Harris, Municipal Operations Manager</b> | <b>INSPECTION DATE:</b>     | <b>June 13, 2018</b>     |

**WASTE DISPOSAL - SEWAGE**

|                        |   |                        |   |                    |   |                   |   |
|------------------------|---|------------------------|---|--------------------|---|-------------------|---|
| Disposal Method        |   | Sewage Lagoon          |   |                    |   |                   |   |
| Mechanical             | N | Camp Sump              | N | Natural Water Body | N | Wetland Treatment | N |
| Continuous Discharge   | N | Intermittent Discharge | N | Seasonal Discharge | N | Land Spread       | N |
| Accelerated Biological | N | Other                  |   |                    |   |                   |   |

**Indicate:    A - Acceptable        U - Unacceptable        N/A - Not Applicable    N/I - Not Inspected**

|                          |   |                             |   |                              |     |
|--------------------------|---|-----------------------------|---|------------------------------|-----|
| Discharge Quality        | A | Decant Process & Structures | A | Discharge Measurement Device |     |
| Freeboard                | A | Sludge Disposal Method      | A |                              |     |
| Periods Of Discharge     |   |                             |   | SNP Samples Collected        | Yes |
| Effluent Discharge Rates |   |                             |   |                              |     |

**Sewage Comments:**

Lab results came back within parameters.

## «INSP\_TYPE» WATER USE INSPECTION REPORT

### WASTE DISPOSAL - SOLID WASTE

|                  |                      |          |   |                 |   |             |   |
|------------------|----------------------|----------|---|-----------------|---|-------------|---|
| Disposal Method  |                      |          |   |                 |   |             |   |
| Open Dump        | N                    | Landfill | Y | Burn & Landfill | N | Underground | N |
| Offsite Removal  | N                    | Other    |   |                 |   |             |   |
| Owner / Operator | Hamlet of Fort Liard |          |   |                 |   |             |   |

Indicate:    **A - Acceptable**        **U - Unacceptable**        **N/A - Not Applicable**    **N/I - Not Inspected**

|                  |   |                       |     |
|------------------|---|-----------------------|-----|
| Runoff Diversion | A | SNP Samples Collected | Yes |
|------------------|---|-----------------------|-----|

#### **Solid Waste Comments:**

Good segregation in the Landfill

### GENERAL CONDITIONS/REPORTS/PLANS

Indicate:    **A - Acceptable**        **U - Unacceptable**        **N/A - Not Applicable**    **N/I - Not Inspected**

|                         |     |                     |   |                  |     |
|-------------------------|-----|---------------------|---|------------------|-----|
| C & R Plan              | A   | Records & Reporting | A | Final Report     | N/A |
| Geotechnical Inspection | A   | Posting, Signage    | A | Contingency Plan | A   |
| Restorations Activities | N/A | Spills              | A | O&M Plan         | A   |
| Maintenance             | A   | Modifications       | A | Annual Report    | A   |

#### **General Condition Comments:**

### ADDITIONAL COMMENTS/REMARKS

Overall everything is operating well.

Inspector's Signature: \_\_\_\_\_





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

**Taiga Batch No.:**  
**180387**

**- FINAL REPORT -**

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**Prepared For:** GNWT - ENR Dehcho Region

**Address:** Box 240  
Fort Simpson, NT  
X0E 0N0

**Attn:** Sonja Martin-Elson

**Facsimile:** (867) 695-2381

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**Final report has been reviewed and approved by:**

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**Glen Hudy**  
Quality Assurance Officer

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**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:** Wednesday, June 27, 2018

**Print Date:** *Wednesday, June 27, 2018*

*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.:  
**180387**

### - CERTIFICATE OF ANALYSIS -

Client Sample ID: **1478-9**

Taiga Sample ID: **001**

Client Project: MV2009L3-0025

Sample Type: Water

Received Date: 14-Jun-18

Sampling Date: 13-Jun-18

Sampling Time: 14:00

Location: Fort Liard

Report Status: **Final**

| Test Parameter                       | Result | Detection Limit | Units     | Analysis Date | Analytical Method * | Qualifer |
|--------------------------------------|--------|-----------------|-----------|---------------|---------------------|----------|
| <b><u>Inorganics - Nutrients</u></b> |        |                 |           |               |                     |          |
| Ammonia as Nitrogen                  | 16.0   | 0.005           | mg/L      | 20-Jun-18     | SM4500-NH3:G        |          |
| Biochemical Oxygen Demand            | 30     | 2               | mg/L      | 15-Jun-18     | SM5210:B            |          |
| CBOD                                 | 17     | 2               | mg/L      | 15-Jun-18     | SM5210:B            |          |
| <b><u>Inorganics - Physicals</u></b> |        |                 |           |               |                     |          |
| Conductivity, Specific (@25C)        | 918    | 0.4             | µS/cm     | 15-Jun-18     | SM2510:B            |          |
| pH                                   | 9.15   |                 | pH units  | 15-Jun-18     | SM4500-H:B          |          |
| Solids, Total Dissolved              | 552    | 10              | mg/L      | 18-Jun-18     | SM2540:C            |          |
| Solids, Total Suspended              | 174    | 3               | mg/L      | 18-Jun-18     | SM2540:D            |          |
| <b><u>Microbiology</u></b>           |        |                 |           |               |                     |          |
| Coliforms, Fecal                     |        | 1               | CFU/100mL |               | SM9222:D            | 105      |

ReportDate: Wednesday, June 27, 2018

Print Date: **Wednesday, June 27, 2018**

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**180387**

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**- CERTIFICATE OF ANALYSIS -**

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Client Sample ID: **1478-9**

Taiga Sample ID: **001**

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**- DATA QUALIFIERS -**

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*Data Qualifier Descriptions:*

**105**     *Samples received past hold time; analysis not possible.*

**\* 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: Wednesday, June 27, 2018

Print Date: *Wednesday, June 27, 2018*

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SNP Sample Location in Fort Liard





Landfill segregation in Fort Liard

