

**C.O.C.: ---**

**REPORT No. B15-21660**

**Report To:**

**Hamlet of Grise Fiord**

P.O. Box 77 Grise Fiord,  
Grise Fiord NU X0X 0J0

**Attention:** Kimberly Young

**Caduceon Environmental Laboratories**

2378 Holly Lane  
Ottawa Ontario K1V 7P1

Tel: 613-526-0123

Fax: 613-526-1244

DATE RECEIVED: 24-Aug-15

JOB/PROJECT NO.: Waste Water

DATE REPORTED: 31-Aug-15

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

|                                         |          |         | Client I.D.      | Waster Water       |           |  |  |
|-----------------------------------------|----------|---------|------------------|--------------------|-----------|--|--|
|                                         |          |         | Sample I.D.      | B15-21660-1        |           |  |  |
|                                         |          |         | Date Collected   | 20-Aug-15          |           |  |  |
| Parameter                               | Units    | R.L.    | Reference Method | Date/Site Analyzed |           |  |  |
| BOD                                     | mg/L     | 3       | SM 5210B         | 24-Aug-15/O        | 86        |  |  |
| Oil & Grease-Total                      | mg/L     | 1.0     | SM 5520          | 26-Aug-15/K        | 2.3       |  |  |
| Total Suspended Solids                  | mg/L     | 3       | SM 2540D         | 26-Aug-15/O        | 152       |  |  |
| Hardness (as CaCO <sub>3</sub> )        | mg/L     | 1       | SM 3120          | 25-Aug-15/O        | 192       |  |  |
| Alkalinity(CaCO <sub>3</sub> ) to pH4.5 | mg/L     | 5       | SM 2320B         | 24-Aug-15/O        | 116       |  |  |
| pH @25°C                                | pH Units |         | SM 4500H         | 24-Aug-15/O        | 9.43      |  |  |
| Conductivity @25°C                      | µmho/cm  | 1       | SM 2510B         | 24-Aug-15/O        | 1530      |  |  |
| Chloride                                | mg/L     | 0.5     | SM4110C          | 26-Aug-15/O        | 392       |  |  |
| Nitrite (N)                             | mg/L     | 0.1     | SM4110C          | 25-Aug-15/O        | < 0.1     |  |  |
| Nitrate (N)                             | mg/L     | 0.1     | SM4110C          | 25-Aug-15/O        | < 0.1     |  |  |
| Sulphate                                | mg/L     | 1       | SM4110C          | 25-Aug-15/O        | 77        |  |  |
| Aluminum                                | mg/L     | 0.01    | SM 3120          | 25-Aug-15/O        | 0.14      |  |  |
| Arsenic                                 | mg/L     | 0.0005  | EPA 200.8        | 25-Aug-15/O        | 0.0057    |  |  |
| Calcium                                 | mg/L     | 0.02    | SM 3120          | 25-Aug-15/O        | 42.8      |  |  |
| Cadmium                                 | mg/L     | 0.005   | SM 3120          | 25-Aug-15/O        | < 0.005   |  |  |
| Chromium                                | mg/L     | 0.002   | SM 3120          | 25-Aug-15/O        | < 0.002   |  |  |
| Cobalt                                  | mg/L     | 0.005   | SM 3120          | 25-Aug-15/O        | < 0.005   |  |  |
| Copper                                  | mg/L     | 0.002   | SM 3120          | 25-Aug-15/O        | 0.006     |  |  |
| Iron                                    | mg/L     | 0.005   | SM 3120          | 25-Aug-15/O        | 0.390     |  |  |
| Lead                                    | mg/L     | 0.02    | SM 3120          | 25-Aug-15/O        | < 0.02    |  |  |
| Magnesium                               | mg/L     | 0.01    | SM 3120          | 25-Aug-15/O        | 20.6      |  |  |
| Manganese                               | mg/L     | 0.001   | SM 3120          | 25-Aug-15/O        | 0.022     |  |  |
| Mercury                                 | mg/L     | 0.00002 | SM 3112 B        | 25-Aug-15/O        | < 0.00002 |  |  |
| Nickel                                  | mg/L     | 0.01    | SM 3120          | 25-Aug-15/O        | < 0.01    |  |  |
| Potassium                               | mg/L     | 0.1     | SM 3120          | 25-Aug-15/O        | 18.0      |  |  |
| Sodium                                  | mg/L     | 0.2     | SM 3120          | 25-Aug-15/O        | 147       |  |  |
| Zinc                                    | mg/L     | 0.005   | SM 3120          | 25-Aug-15/O        | 0.026     |  |  |

NOTE: Fecal Coliform had exceeded acceptable holding times upon arrival at lab.



R.L. = Reporting Limit

Site Analyzed: K-Kingston, W-Windsor, O-Ottawa, R-Richmond Hill

Uncertainty Values available upon request

Greg Clarkin, BSc., C. Chem  
Lab Manager - Ottawa District

The analytical results reported herein refer to the samples as received. Reproduction of this analytical report in full or in part is prohibited without prior consent from Caduceon Environmental Laboratories.

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|----------------------|-----------|-------|-----------------------|--------------------|---------|--|--|
|                      |           |       | <b>Sample I.D.</b>    | B15-21660-1        |         |  |  |
|                      |           |       | <b>Date Collected</b> | 20-Aug-15          |         |  |  |
| Parameter            | Units     | R.L.  | Reference Method      | Date/Site Analyzed |         |  |  |
| Ammonia (N)-Total    | mg/L      | 0.01  | MOEE 3364             | 27-Aug-15/O        | 0.45    |  |  |
| Total Organic Carbon | mg/L      | 0.2   | EPA 415.1             | 26-Aug-15/O        | 15.9    |  |  |
| Phenolics            | mg/L      | 0.001 | MOEE 3179             | 27-Aug-15/O        | < 0.001 |  |  |
| Fecal Coliform       | cfu/100mL | 1     | MOE E3371             | 24-Aug-15/O        | <10     |  |  |

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