

C.O.C.: ---

REPORT No. B15-21656

Report To:

Hamlet of Grise Fiord

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

Attention: Marty Quluguktuk

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.:

DATE REPORTED: 03-Sep-15

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

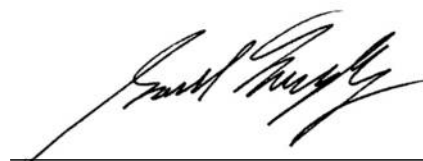
WATERWORKS NO.

			Client I.D.	Sewer Discharge - Top	Sewer Discharge - Middle	Sewer Discharge - Bottom	
			Sample I.D.	B15-21656-1	B15-21656-2	B15-21656-3	
			Date Collected	20-Aug-15	20-Aug-15	20-Aug-15	
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
BOD	mg/L	3	SM 5210B	24-Aug-15/O	125	90	146
Total Suspended Solids	mg/L	3	SM 2540D	26-Aug-15/O	112	84	60
Hardness (as CaCO ₃)	mg/L	1	SM 3120	25-Aug-15/O	80	90	113
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	24-Aug-15/O	197	184	174
Conductivity @25°C	µmho/cm	1	SM 2510B	24-Aug-15/O	581	551	512
pH @25°C	pH Units		SM 4500H	24-Aug-15/O	7.41	7.29	7.30
Nitrite (N)	mg/L	0.1	SM4110C	25-Aug-15/O	< 0.1	< 0.1	< 0.1
Nitrate (N)	mg/L	0.1	SM4110C	25-Aug-15/O	< 0.1	< 0.1	< 0.1
Chloride	mg/L	0.5	SM4110C	25-Aug-15/O	41.0	38.3	36.0
Sulphate	mg/L	1	SM4110C	25-Aug-15/O	4	11	12
Total Organic Carbon	mg/L	0.2	EPA 415.1	26-Aug-15/O	51.1	52.1	38.4
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	27-Aug-15/O	29.1	26.1	18.1
Phenolics	mg/L	0.001	MOEE 3179	27-Aug-15/O	0.011	0.003	< 0.001
Aluminum (total)	mg/L	0.01	SM 3120	25-Aug-15/O	0.15	0.16	0.12
Arsenic	mg/L	0.0005	EPA 200.8	25-Aug-15/O	0.0009	0.0009	0.0010
Calcium	mg/L	0.02	SM 3120	25-Aug-15/O	22.9	26.4	33.3
Cadmium	mg/L	0.005	SM 3120	25-Aug-15/O	< 0.005	< 0.005	< 0.005
Cobalt	mg/L	0.005	SM 3120	25-Aug-15/O	< 0.005	< 0.005	< 0.005
Copper	mg/L	0.002	SM 3120	25-Aug-15/O	0.039	0.037	0.027
Chromium	mg/L	0.002	SM 3120	25-Aug-15/O	< 0.002	< 0.002	< 0.002
Iron (Total)	mg/L	0.005	SM 3120	25-Aug-15/O	0.738	0.683	0.489
Lead	mg/L	0.02	SM 3120	25-Aug-15/O	< 0.02	< 0.02	< 0.02
Magnesium	mg/L	0.01	SM 3120	25-Aug-15/O	5.47	5.88	7.22
Manganese (Total)	mg/L	0.001	SM 3120	25-Aug-15/O	0.051	0.043	0.021
Mercury	mg/L	0.00002	SM 3112 B	25-Aug-15/O	< 0.00002	< 0.00002	< 0.00002
Nickel	mg/L	0.01	SM 3120	25-Aug-15/O	< 0.01	< 0.01	< 0.01

R.L. = Reporting Limit

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

Uncertainty Values available upon request



Gord Murphy
Lab Supervisor

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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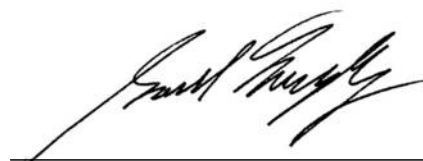
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			Date Collected	20-Aug-15	20-Aug-15	20-Aug-15	
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Potassium	mg/L	0.1	SM 3120	25-Aug-15/O	16.3	15.5	12.7
Sodium	mg/L	0.2	SM 3120	25-Aug-15/O	40.6	40.2	35.0
Zinc	mg/L	0.005	SM 3120	25-Aug-15/O	0.065	0.065	0.069
Oil & Grease-Total	mg/L	1.0	SM 5520	26-Aug-15/K	8.2	5.0	4.6
Fecal Coliform	cfu/100mL	1	MOE E3371	24-Aug-15/O	5800	4100	730

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