

C.O.C.: G51149

REPORT No. B15-26246

Report To:

City of Iqaluit

PO Box 460,
Iqaluit NU X0A 0H0

Attention: Pat Wolfe

Caduceon Environmental Laboratories

2378 Holly Lane
Ottawa Ontario K1V 7P1

Tel: 613-526-0123

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DATE RECEIVED: 07-Oct-15

JOB/PROJECT NO.: Test F

DATE REPORTED: 14-Oct-15

P.O. NUMBER: 460

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

Client I.D.	Sewage Effluent - Sept.29, 2015			
Sample I.D.	B15-26246-1			
Date Collected	29-Sep-15			

Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
BOD	mg/L	3	SM 5210B	08-Oct-15/O	57		
pH @25°C	pH Units		SM 4500H	08-Oct-15/O	7.55		
Conductivity @25°C	µmho/cm	1	SM 2510B	08-Oct-15/O	354		
Total Suspended Solids	mg/L	3	SM 2540D	09-Oct-15/O	100		
Nitrite (N)	mg/L	0.1	SM4110C	07-Oct-15/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	07-Oct-15/O	< 0.1		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	08-Oct-15/O	11.7		
o-Phosphate (P)	mg/L	0.01	MOEE 3366	08-Oct-15/O	0.92		
Phosphorus-Total	mg/L	0.01	MOEE 3367	14-Oct-15/O	2.22		
Aluminum	mg/L	0.01	SM 3120	08-Oct-15/O	0.14		
Antimony	mg/L	0.0005	EPA 200.8	08-Oct-15/O	< 0.0005		
Arsenic	mg/L	0.0005	EPA 200.8	08-Oct-15/O	0.0010		
Barium	mg/L	0.001	SM 3120	08-Oct-15/O	0.017		
Beryllium	mg/L	0.002	SM 3120	08-Oct-15/O	< 0.002		
Bismuth	mg/L	0.02	SM 3120	08-Oct-15/O	< 0.02		
Boron	mg/L	0.005	SM 3120	08-Oct-15/O	0.085		
Cadmium	mg/L	0.005	SM 3120	08-Oct-15/O	< 0.005		
Calcium	mg/L	0.02	SM 3120	08-Oct-15/O	27.5		
Chromium	mg/L	0.002	SM 3120	08-Oct-15/O	< 0.002		
Cobalt	mg/L	0.005	SM 3120	08-Oct-15/O	< 0.005		
Copper	mg/L	0.002	SM 3120	08-Oct-15/O	0.063		
Iron	mg/L	0.005	SM 3120	08-Oct-15/O	1.86		
Lead	mg/L	0.02	SM 3120	08-Oct-15/O	< 0.02		
Lithium	mg/L	0.005	SM 3120	08-Oct-15/O	< 0.005		
Magnesium	mg/L	0.01	SM 3120	08-Oct-15/O	5.30		
Manganese	mg/L	0.001	SM 3120	08-Oct-15/O	0.168		



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

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			Date Collected		29-Sep-15			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Molybdenum	mg/L	0.01	SM 3120	08-Oct-15/O	< 0.01			
Nickel	mg/L	0.01	SM 3120	08-Oct-15/O	< 0.01			
Potassium	mg/L	0.1	SM 3120	08-Oct-15/O	9.2			
Silicon	mg/L	0.01	SM 3120	08-Oct-15/O	1.90			
Silver	mg/L	0.005	SM 3120	08-Oct-15/O	< 0.005			
Sodium	mg/L	0.2	SM 3120	08-Oct-15/O	24.7			
Strontium	mg/L	0.001	SM 3120	08-Oct-15/O	0.074			
Tin	mg/L	0.05	SM 3120	08-Oct-15/O	< 0.05			
Titanium	mg/L	0.005	SM 3120	08-Oct-15/O	< 0.005			
Uranium	mg/L	0.0003	EPA 200.8	08-Oct-15/O	0.0015			
Vanadium	mg/L	0.005	SM 3120	08-Oct-15/O	< 0.005			
Zinc	mg/L	0.005	SM 3120	08-Oct-15/O	0.036			
Total Coliform	cfu/100mL	1	MOE E3371	07-Oct-15/O	28000			
Fecal Coliform	cfu/100mL	1	MOE E3371	07-Oct-15/O	1500			

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