

C.O.C.: G04871

REPORT No. B11-25954

Report To:

Hamlet of Arctic Bay

Box 150,
Arctic Bay NU X0A 0A0 Canada

Attention: Joeli Qamanirq

Caduceon Environmental Laboratories

2378 Holly Lane
Ottawa Ontario K1V 7P1
Tel: 613-526-0123
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DATE RECEIVED: 28-Sep-11

JOB/PROJECT NO.: Discharge Begining

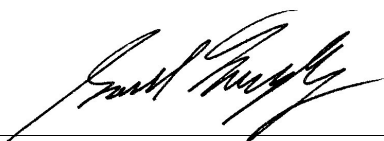
DATE REPORTED: 25-Oct-11

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Sample 1 Arc 3			
			Sample I.D.	B11-25954-1			
			Date Collected	23-Sep-11			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Fecal Coliform	cfu/100ml	1	MOE E3371	28-Sep-11/O	390000		
BOD	mg/L	3	SM 5210B	29-Sep-11/O	138		
Hardness (as CaCO ₃)	mg/L	1	SM 3120	03-Oct-11/O	125		
Alkalinity (as CaCO ₃)	mg/L	5	SM 2320B	30-Sep-11/O	559		
Conductivity	µmho/cm	1	SM 2510B	28-Sep-11/O	1700		
pH	pH Units		SM 4500H	30-Sep-11/O	7.42		
Total Suspended Solids	mg/L	3	SM 2540D	29-Sep-11/O	144		
Chloride	mg/L	0.5	SM4110C	28-Sep-11/O	103		
Nitrite (N)	mg/L	0.1	SM4110C	28-Sep-11/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	28-Sep-11/O	< 0.1		
Sulphate	mg/L	1	SM4110C	28-Sep-11/O	42		
Phenolics	mg/L	0.001	MOEE 3179	29-Sep-11/O	1.11		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	24-Oct-11/O	115		
Total Organic Carbon	mg/L	0.2	EPA 415.1	30-Sep-11/O	73.7		
Aluminum (total)	mg/L	0.01	SM 3120	03-Oct-11/O	1.14		
Arsenic	mg/L	0.0005	EPA 200.8	21-Oct-11/O	0.0055		
Calcium	mg/L	0.02	SM 3120	03-Oct-11/O	22.6		
Cadmium	mg/L	0.005	SM 3120	03-Oct-11/O	< 0.005		
Cobalt	mg/L	0.005	SM 3120	03-Oct-11/O	< 0.005		
Copper	mg/L	0.002	SM 3120	03-Oct-11/O	0.040		
Chromium	mg/L	0.002	SM 3120	03-Oct-11/O	0.010		
Iron (Total)	mg/L	0.005	SM 3120	03-Oct-11/O	3.06		
Lead	mg/L	0.02	SM 3120	03-Oct-11/O	< 0.02		
Magnesium	mg/L	0.01	SM 3120	03-Oct-11/O	16.7		
Manganese (Total)	mg/L	0.001	SM 3120	03-Oct-11/O	0.487		
Mercury	mg/L	0.00002	SM 3112 B	07-Oct-11/O	< 0.00002		
Potassium	mg/L	0.1	SM 3120	03-Oct-11/O	39.3		
Sodium	mg/L	0.2	SM 3120	03-Oct-11/O	120		



Gord Murphy
Lab Supervisor

M.D.L. = Method Detection Limit

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

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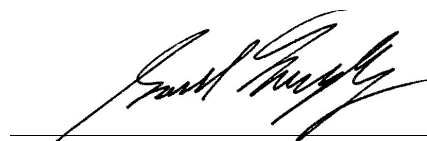
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Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Nickel	mg/L	0.01	SM 3120	03-Oct-11/O	0.01		
Zinc	mg/L	0.005	SM 3120	03-Oct-11/O	0.074		
Oil and Grease-Anim/Veg.	mg/L	1.0	SM 5520	03-Oct-11/K	22.0		
Oil and Grease-Mineral	mg/L	1.0	SM 5520	03-Oct-11/K	1.4		
Oil & Grease-Total	mg/L	1.0	SM 5520	03-Oct-11/K	23.4		



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