

C.O.C.: G35599

REPORT No. B13-19069

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
Fax: 613-526-1244

DATE RECEIVED: 24-Jul-13

JOB/PROJECT NO.:

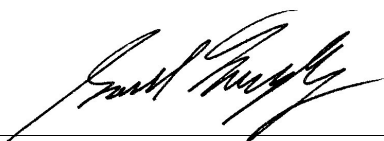
DATE REPORTED: 01-Aug-13

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.		Leachate			
			Sample I.D.		B13-19069-1			
			Date Collected		22-Jul-13			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed				
Fecal Coliform	cfu/100mL	1	MOE E3371	24-Jul-13/O	40			
BOD	mg/L	3	SM 5210B	26-Jul-13/O	4			
Hardness (as CaCO ₃)	mg/L	1	SM 3120	25-Jul-13/O	134			
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	24-Jul-13/O	98			
Conductivity @25°C	µmho/cm	1	SM 2510B	26-Jul-13/O	313			
pH @25°C	pH Units		SM 4500H	24-Jul-13/O	7.76			
Total Organic Carbon	mg/L	0.2	EPA 415.1	24-Jul-13/O	11.4			
Total Suspended Solids	mg/L	3	SM 2540D	26-Jul-13/O	< 3			
Chloride	mg/L	0.5	SM4110C	25-Jul-13/O	9.9			
Nitrite (N)	mg/L	0.1	SM4110C	25-Jul-13/O	< 0.1			
Nitrate (N)	mg/L	0.1	SM4110C	25-Jul-13/O	< 0.1			
Sulphate	mg/L	1	SM4110C	25-Jul-13/O	46			
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	25-Jul-13/O	< 0.01			
Phosphorus-Total	mg/L	0.01	MOEE 3367	26-Jul-13/O	0.01			
Phenolics	mg/L	0.001	MOEE 3179	25-Jul-13/O	< 0.001			
Aluminum (total)	mg/L	0.01	SM 3120	25-Jul-13/O	0.08			
Arsenic	mg/L	0.0005	EPA 200.8	26-Jul-13/O	< 0.0005			
Calcium	mg/L	0.02	SM 3120	25-Jul-13/O	28.1			
Cadmium	mg/L	0.005	SM 3120	25-Jul-13/O	< 0.005			
Cobalt	mg/L	0.005	SM 3120	25-Jul-13/O	< 0.005			
Copper	mg/L	0.002	SM 3120	25-Jul-13/O	< 0.002			
Chromium	mg/L	0.002	SM 3120	25-Jul-13/O	0.003			
Iron (Total)	mg/L	0.005	SM 3120	25-Jul-13/O	0.116			
Lead	mg/L	0.02	SM 3120	25-Jul-13/O	< 0.02			
Magnesium	mg/L	0.01	SM 3120	25-Jul-13/O	15.5			
Manganese (Total)	mg/L	0.001	SM 3120	25-Jul-13/O	0.041			
Mercury	mg/L	0.00002	SM 3112 B	26-Jul-13/O	< 0.00002			
Nickel	mg/L	0.01	SM 3120	25-Jul-13/O	< 0.01			



Gord Murphy
Lab Supervisor

M.D.L. = Method Detection Limit

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

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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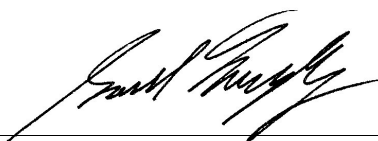
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			Date Collected		22-Jul-13			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed				
Sodium	mg/L	0.2	SM 3120	25-Jul-13/O	6.6			
Potassium	mg/L	0.1	SM 3120	25-Jul-13/O	0.7			
Zinc	mg/L	0.005	SM 3120	25-Jul-13/O	0.012			
Benzene	µg/L	0.5	EPA 8260	25-Jul-13/O	< 0.5			
Toluene	µg/L	0.5	EPA 8260	25-Jul-13/O	< 0.5			
Ethylbenzene	µg/L	0.5	EPA 8260	25-Jul-13/O	< 0.5			
Xylene, m,p-	µg/L	1.0	EPA 8260	25-Jul-13/O	< 1.0			
Styrene	µg/L	0.5	EPA 8260	25-Jul-13/O	< 0.5			
Xylene, o-	µg/L	0.5	EPA 8260	25-Jul-13/O	< 0.5			
PHC F1 (C6-C10)	µg/L	50	MOE E3421	25-Jul-13/O	< 50			
PHC F2 (>C10-C16)	µg/L	50	MOE E3421	31-Jul-13/O	< 50			
PHC F3 (>C16-C34)	µg/L	400	MOE E3421	31-Jul-13/O	< 400			
PHC F4 (>C34-C50)	µg/L	400	MOE E3421	31-Jul-13/O	< 400			
Comment-purgeable	-		-	25-Jul-13/O	-			
Comment-extractable	-		-	31-Jul-13	-			
Oil & Grease-Total	mg/L	1.0	SM 5520	30-Jul-13/K	< 1.0			



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