

C.O.C.: ---

REPORT No. B15-22825

Report To:

Hamlet of Arctic Bay
Box 150,
Arctic Bay NU X0A 0A0 Canada

Attention: Deborah Johnson

Caduceon Environmental Laboratories

2378 Holly Lane
Ottawa Ontario K1V 7P1
Tel: 613-526-0123
Fax: 613-526-1244

DATE RECEIVED: 03-Sep-15

JOB/PROJECT NO.: 2015 Annual Decant/ Lagoon

DATE REPORTED: 15-Sep-15

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.		Sewage Lagoon Decant Beginning			
			Sample I.D.		B15-22825-1			
			Date Collected		01-Sep-15			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed				
Hardness (as CaCO ₃)	mg/L	1	SM 3120	04-Sep-15/O	78			
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	03-Sep-15/O	347			
pH @25°C	pH Units		SM 4500H	03-Sep-15/O	7.52			
Conductivity @25°C	µmho/cm	1	SM 2510B	03-Sep-15/O	922			
Total Suspended Solids	mg/L	3	SM 2540D	04-Sep-15/O	12			
Chloride	mg/L	0.5	SM4110C	03-Sep-15/O	44.2			
Nitrite (N)	mg/L	0.1	SM4110C	03-Sep-15/O	< 0.1			
Nitrate (N)	mg/L	0.1	SM4110C	03-Sep-15/O	0.1			
Sulphate	mg/L	1	SM4110C	03-Sep-15/O	2			
Aluminum	mg/L	0.01	SM 3120	04-Sep-15/O	0.26			
Arsenic	mg/L	0.0005	EPA 200.8	08-Sep-15/O	0.0013			
Cadmium	mg/L	0.005	SM 3120	04-Sep-15/O	< 0.005			
Calcium	mg/L	0.02	SM 3120	04-Sep-15/O	15.6			
Cobalt	mg/L	0.005	SM 3120	04-Sep-15/O	< 0.005			
Copper	mg/L	0.002	SM 3120	04-Sep-15/O	0.021			
Chromium	mg/L	0.002	SM 3120	04-Sep-15/O	< 0.002			
Iron	mg/L	0.005	SM 3120	04-Sep-15/O	0.868			
Lead	mg/L	0.02	SM 3120	04-Sep-15/O	< 0.02			
Magnesium	mg/L	0.01	SM 3120	04-Sep-15/O	9.54			
Manganese	mg/L	0.001	SM 3120	04-Sep-15/O	0.390			
Mercury	mg/L	0.00002	SM 3112 B	08-Sep-15/O	< 0.00002			
Nickel	mg/L	0.01	SM 3120	04-Sep-15/O	< 0.01			
Potassium	mg/L	0.1	SM 3120	04-Sep-15/O	21.4			
Sodium	mg/L	0.2	SM 3120	04-Sep-15/O	56.9			
Zinc	mg/L	0.005	SM 3120	04-Sep-15/O	0.059			
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	08-Sep-15/O	63.1			



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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Phenolics	mg/L	0.001	MOEE 3179	15-Sep-15/O	0.519			
BOD	mg/L	3	SM 5210B	04-Sep-15/O	75			
Total Organic Carbon	mg/L	0.2	EPA 415.1	04-Sep-15/O	42.6			
Oil & Grease-Total	mg/L	1.0	SM 5520	08-Sep-15/K	7.3			
Fecal Coliform	cfu/100mL	1	MOE E3371	03-Sep-15/O	66000			

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