

C.O.C.: ---

REPORT No. B15-23259

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: 09-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.	Middle of Decant			
			Sample I.D.	B15-23259-1			
			Date Collected	08-Sep-15			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
Hardness (as CaCO ₃)	mg/L	1	SM 3120	10-Sep-15/O	81		
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	09-Sep-15/O	356		
pH @25°C	pH Units		SM 4500H	09-Sep-15/O	7.49		
Conductivity @25°C	µmho/cm	1	SM 2510B	10-Sep-15/O	924		
Total Suspended Solids	mg/L	3	SM 2540D	09-Sep-15/O	16		
Chloride	mg/L	0.5	SM4110C	10-Sep-15/O	44.5		
Nitrite (N)	mg/L	0.1	SM4110C	10-Sep-15/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	10-Sep-15/O	0.1		
Sulphate	mg/L	1	SM4110C	10-Sep-15/O	5		
Aluminum	mg/L	0.01	SM 3120	10-Sep-15/O	0.90		
Arsenic	mg/L	0.0005	EPA 200.8	11-Sep-15/O	0.0016		
Cadmium	mg/L	0.005	SM 3120	10-Sep-15/O	< 0.005		
Calcium	mg/L	0.02	SM 3120	10-Sep-15/O	15.5		
Cobalt	mg/L	0.005	SM 3120	10-Sep-15/O	< 0.005		
Copper	mg/L	0.002	SM 3120	10-Sep-15/O	0.033		
Chromium	mg/L	0.002	SM 3120	10-Sep-15/O	0.003		
Iron	mg/L	0.005	SM 3120	10-Sep-15/O	2.30		
Lead	mg/L	0.02	SM 3120	10-Sep-15/O	< 0.02		
Magnesium	mg/L	0.01	SM 3120	10-Sep-15/O	10.3		
Manganese	mg/L	0.001	SM 3120	10-Sep-15/O	0.431		
Mercury	mg/L	0.00002	SM 3112 B	11-Sep-15/O	< 0.00002		
Nickel	mg/L	0.01	SM 3120	10-Sep-15/O	< 0.01		
Potassium	mg/L	0.1	SM 3120	10-Sep-15/O	21.5		
Sodium	mg/L	0.2	SM 3120	10-Sep-15/O	56.8		
Zinc	mg/L	0.005	SM 3120	10-Sep-15/O	0.632		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	10-Sep-15/O	63.2		
Phenolics	mg/L	0.001	MOEE 3179	15-Sep-15/O	0.487		

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

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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			Date Collected	08-Sep-15			
Parameter	Units	R.L.	Reference Method	Date/Site Analyzed			
BOD	mg/L	3	SM 5210B	10-Sep-15/O	141		
Total Organic Carbon	mg/L	0.2	EPA 415.1	10-Sep-15/O	53.7		
Oil & Grease-Total	mg/L	1.0	SM 5520	14-Sep-15/K	11.5		
Fecal Coliform	cfu/100mL	1	MOE E3371	09-Sep-15/O	210000		

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