

C.O.C.: ---

REPORT No. B14-26828

Report To:

Municipality of Kimmirut

P.O Box 120,
Kimmirut Nu X0A 0N0

Attention: Saqitqat Tamela

Caduceon Environmental Laboratories

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

DATE RECEIVED: 15-Oct-14

JOB/PROJECT NO.: Leachate

DATE REPORTED: 04-Nov-14

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Kim 2			
			Sample I.D.	B14-26828-1			
			Date Collected	09-Oct-14			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Fecal Coliform	cfu/100mL	1	MOE E3371	15-Oct-14/O	4800000		
BOD	mg/L	3	SM 5210B	16-Oct-14/O	329		
Total Suspended Solids	mg/L	3	SM 2540D	17-Oct-14/O	88		
pH @25°C	pH Units		SM 4500H	21-Oct-14/O	7.58		
Hardness (as CaCO ₃)	mg/L	1	SM 3120	16-Oct-14/O	120		
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	20-Oct-14/O	410		
Conductivity @25°C	µmho/cm	1	SM 2510B	16-Oct-14/O	1130		
Nitrite (N)	mg/L	0.1	SM4110C	20-Oct-14/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	20-Oct-14/O	< 0.1		
Chloride	mg/L	0.5	SM4110C	20-Oct-14/O	46.9		
Sulphate	mg/L	1	SM4110C	20-Oct-14/O	36		
Total Organic Carbon	mg/L	0.2	EPA 415.1	20-Oct-14/O	103		
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	28-Oct-14/O	83.0		
Phosphorus-Total	mg/L	0.01	MOEE 3367	27-Oct-14/O	11.1		
Phenolics	mg/L	0.001	MOEE 3179	30-Oct-14/O	0.157		
Aluminum (total)	mg/L	0.01	SM 3120	16-Oct-14/O	0.84		
Arsenic	mg/L	0.0001	EPA 200.8	16-Oct-14/O	0.0003		
Cadmium	mg/L	0.005	SM 3120	16-Oct-14/O	< 0.005		
Calcium	mg/L	0.02	SM 3120	16-Oct-14/O	32.4		
Cobalt	mg/L	0.005	SM 3120	16-Oct-14/O	< 0.005		
Copper	mg/L	0.002	SM 3120	16-Oct-14/O	0.052		
Chromium	mg/L	0.002	SM 3120	16-Oct-14/O	0.007		
Iron (Total)	mg/L	0.005	SM 3120	16-Oct-14/O	0.712		
Lead	mg/L	0.02	SM 3120	16-Oct-14/O	< 0.02		
Magnesium	mg/L	0.01	SM 3120	16-Oct-14/O	9.53		
Manganese (Total)	mg/L	0.001	SM 3120	16-Oct-14/O	0.059		
Mercury	mg/L	0.00002	SM 3112 B	16-Oct-14/O	< 0.00002		
Nickel	mg/L	0.01	SM 3120	16-Oct-14/O	0.01		



M.D.L. = Method Detection Limit
Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,R-Richmond Hill

Gord Murphy
Lab Supervisor

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Potassium	mg/L	0.1	SM 3120	16-Oct-14/O	21.8		
Sodium	mg/L	0.2	SM 3120	16-Oct-14/O	48.1		
Zinc	mg/L	0.005	SM 3120	16-Oct-14/O	0.367		
Benzene	µg/L	0.5	EPA 8260	16-Oct-14/O	< 0.5		
Toluene	µg/L	0.5	EPA 8260	16-Oct-14/O	0.8		
Ethylbenzene	µg/L	0.5	EPA 8260	16-Oct-14/O	< 0.5		
Xylene, m,p-	µg/L	0.4	EPA 8260	16-Oct-14/O	< 0.4		
Styrene	µg/L	0.5	EPA 8260	16-Oct-14/O	< 0.5		
Xylene, o-	µg/L	0.1	EPA 8260	16-Oct-14/O	< 0.1		
PHC F1 (C6-C10)	µg/L	20	MOE E3421	16-Oct-14/O	49		
PHC F2 (>C10-C16)	µg/L	50	MOE E3421	04-Nov-14/O	140		
PHC F3 (>C16-C34)	µg/L	400	MOE E3421	04-Nov-14/O	800		
PHC F4 (>C34-C50)	µg/L	400	MOE E3421	04-Nov-14/O	< 400		
Oil & Grease-Total	mg/L	1.0	SM 5520	23-Oct-14/K	31.7		



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