

C.O.C.: ---

REPORT No. B14-17905

Report To:

Hamlet of Pangnirtung

P.O. Box 253,

Pangnirtung Nunavut X0A 0R0 Canada

Attention: Karen Mellor

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123

Fax: 613-526-1244

DATE RECEIVED: 18-Jul-14

JOB/PROJECT NO.: Waste Water

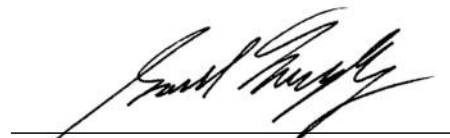
DATE REPORTED: 24-Jul-14

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.	Raw Sewage	Influent	Effluent	End of Ground
			Sample I.D.	B14-17905-1	B14-17905-2	B14-17905-3	B14-17905-4
			Date Collected	15-Jul-14	15-Jul-14	15-Jul-14	15-Jul-14
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
BOD	mg/L	3	SM 5210B	18-Jul-14/O	557	521	558
Total Suspended Solids	mg/L	3	SM 2540D	23-Jul-14/O	336	208	390
Hardness (as CaCO ₃)	mg/L	1	SM 3120	22-Jul-14/O	65	54	57
Alkalinity(CaCO ₃) to pH4.5	mg/L	5	SM 2320B	21-Jul-14/O	440	355	359
Conductivity @25°C	µmho/cm	1	SM 2510B	21-Jul-14/O	1320	1100	1110
pH @25°C	pH Units		SM 4500H	21-Jul-14/O	7.25	7.50	7.47
Nitrite (N)	mg/L	0.1	SM4110C	21-Jul-14/O	< 0.1	< 0.1	< 0.1
Nitrate (N)	mg/L	0.1	SM4110C	21-Jul-14/O	< 0.1	< 0.1	< 0.1
Chloride	mg/L	0.5	SM4110C	21-Jul-14/O	60.1	46.0	46.1
Sulphate	mg/L	1	SM4110C	21-Jul-14/O	14	8	7
Total Organic Carbon	mg/L	0.2	EPA 415.1	21-Jul-14/O	71.8	70.0	64.6
Ammonia (N)-Total	mg/L	0.01	MOEE 3364	22-Jul-14/O	115	94.3	95.8
Phenolics	mg/L	0.001	MOEE 3179	22-Jul-14/O	0.255	0.242	0.238
Aluminum (total)	mg/L	0.01	SM 3120	22-Jul-14/O	1.59	2.15	2.23
Arsenic	mg/L	0.0005	EPA 200.8	22-Jul-14/O	0.0017	0.0020	0.0008
Calcium	mg/L	0.02	SM 3120	22-Jul-14/O	17.6	14.9	15.7
Cadmium	mg/L	0.005	SM 3120	22-Jul-14/O	< 0.005	< 0.005	< 0.005
Chromium	mg/L	0.002	SM 3120	22-Jul-14/O	0.004	0.007	0.008
Cobalt	mg/L	0.005	SM 3120	22-Jul-14/O	< 0.005	< 0.005	< 0.005
Copper	mg/L	0.002	SM 3120	22-Jul-14/O	0.161	0.234	0.256
Iron (Total)	mg/L	0.005	SM 3120	22-Jul-14/O	0.733	1.14	1.23
Lead	mg/L	0.02	SM 3120	22-Jul-14/O	< 0.02	< 0.02	< 0.02
Mercury	mg/L	0.00002	SM 3112 B	22-Jul-14/O	0.00003	0.00003	0.00003
Magnesium	mg/L	0.01	SM 3120	22-Jul-14/O	5.17	4.10	4.28
Manganese (Total)	mg/L	0.001	SM 3120	22-Jul-14/O	0.090	0.072	0.091
Nickel	mg/L	0.01	SM 3120	22-Jul-14/O	0.02	0.01	0.02



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.

C.O.C.: ---

REPORT No. B14-17905

Report To:

Hamlet of Pangnirtung

P.O. Box 253,

Pangnirtung Nunavut X0A 0R0 Canada

Attention: Karen Mellor

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123

Fax: 613-526-1244

DATE RECEIVED: 18-Jul-14

JOB/PROJECT NO.: Waste Water

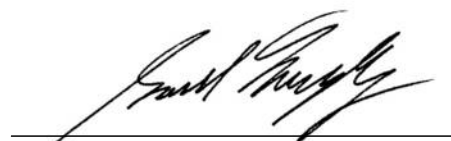
DATE REPORTED: 24-Jul-14

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

			Client I.D.		Raw Sewage	Influent	Effluent	End of Ground
			Sample I.D.		B14-17905-1	B14-17905-2	B14-17905-3	B14-17905-4
			Date Collected		15-Jul-14	15-Jul-14	15-Jul-14	15-Jul-14
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed				
Potassium	mg/L	0.1	SM 3120	22-Jul-14/O	32.8	26.6	27.5	27.9
Sodium	mg/L	0.2	SM 3120	22-Jul-14/O	64.9	52.0	53.4	54.2
Zinc	mg/L	0.005	SM 3120	22-Jul-14/O	0.348	0.355	0.391	0.354
Oil & Grease-Total	mg/L	1.0	SM 5520	23-Jul-14/K	75.5	83.4	91.3	82.2
Fecal Coliform	cfu/100mL	1	MOE E3371	18-Jul-14/O	9400000	61000000	54000000	65000000



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.