

ANNUAL REPORT FOR THE HAMLET OF Cape Dorset

YEAR BEING REPORTED: 2012

The following information is compiled pursuant to the requirements of Part B, Item 1 of Water License # 3BM-CAP081G----- issued to the Hamlet of Cape Dorset

i) - iii) tabular summaries of all data generated under the "Monitoring Program"; monthly and annual quantities in cubic metres of freshwater obtained from all sources; monthly and annual quantities in cubic metres of each and all wastes discharged;

Attached are quantities of water used as reported in our On Tap Water Delivery System and the estimated discharge of sewage waste based on quantities used.

Month Reported	Quantity of Water Obtained from all sources (litres)	Quantity of Sewage Waste Discharged (Estimated)
January 2012	4,278,715.30	Same
February 2012	3,667,745.70	Same
March 2012	3,894,101.90	Same
April 2012	3,743,933.40	Same
May 2012	3,939,457.10	Same
June 2012	4,060,428.60	Same
July 2012	4,259,992.60	Same
August 2012	4,219,573.20	Same
September 2012	4,371,064.90	Same
October 2012	4,680,313.80	Same
November 2012	4,391,034.40	Same
December 2012	4,279,713.90	Same
ANNUAL TOTAL	49,279,713.90Lts.	Same

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Note: The average consumption volume is considered equal for each month.
There is no meter existing at the discharge pipe. Therefore the monthly discharge

- iv. a summary of modifications and/or major maintenance work carried out on the Water Supply and Waste Disposal Facilities, including all associated structures and facilities;
Main 3" pipeline had a new heat trace installed in the fall of 2012, in November 2012, one small section of the heat trace failed and caused the pipeline to freeze again. Section of heat trace was replaced. New heat trace panel was also installed in the truck fill station. 2 inch line was never repaired as a backup. Yearly maintenance of the berms of the 3 cell lagoon system was done during the summer. Emergency road to T-lake, hamlets main water source, was completed last summer. Water trucks can now get to the pump station in case of another freeze up. This eliminates the community's complaints about water from other sources, (dead dog lake).
- v. a list of unauthorized discharges and summary of follow-up action taken;
Nil
- vi. a summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year;
Design for decommissioning of the existing sewage lagoons will take place once the new lagoon is commissioned.
- vii. a summary of any studies requested by the Board that relate to waste disposal, water use or reclamation, and a brief description of any future studies planned;
 1. Wastewater treatment facility, Waste management facility: EXP consultants for the Government of Nunavut were here to do a report on recommendations that have to be done to make Cape Dorset compliant with their water license.
 2. Water Supply System was also looked at by the engineers from exp.
- viii. any other details on water use or waste disposal requested by the Board by November 1st of the year being reported; and
Engineers were here and did a visual inspection of the new lagoon and metal dump. They will report recommendations to the Government of Nunavut.

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- ix. Updates or revisions to the approved Operation and Maintenance Plans.

O & M Plan has not changed.

ADDITIONAL INFORMATION THAT THE LICENSEE DEEMS USEFUL:

Hamlet has arranged for an accredited laboratory in Ottawa to test sewage effluent quality and water quality. Reports from lab attached.

FOLLOW-UP REGARDING INSPECTION/COMPLIANCE CONCERNS:

The community is planning to bring all the Environmental facilities under the Water Licence Compliances in 2013.



CERTIFICATE OF ANALYSIS

Final Report

C.O.C.: G11755

REPORT No. B12-23444

Report To:

Municipality of Cape Dorset
PO Box 30,
Cape Dorset NV X0A 0C0 Canada

Attention: Steve Weedmark

Caduceon Environmental Laboratories

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

DATE RECEIVED: 13-Sep-12

JOB/PROJECT NO.:

DATE REPORTED: 19-Sep-12

P.O. NUMBER:

SAMPLE MATRIX: Waste Water

WATERWORKS NO.

Parameter	BOD	Total Suspended Solids	Total Coliform	E coli	
Units	mg/L	mg/L	cfu/100mL	cfu/100mL	
M.D.L.	3	3	1	1	
Reference Method	SM 5210B	SM 2540D	MOE E3371	MOE E3371	
Date Analyzed/Site	14-Sep-12/O	14-Sep-12/O	13-Sep-12/O	13-Sep-12/O	
Client I.D.	Sample I.D.	Date Collected			
Lagoon Cell #1	B12-23444-1	12-Sep-12	168	60	> 20000 > 4000
Lagoon Cell #2	B12-23444-2	12-Sep-12	95	52	> 20000 > 4000
Lagoon Cell #3	B12-23444-3	12-Sep-12	68	40	> 20000 > 4000
Lagoon Cell #3 Leach	B12-23444-4	12-Sep-12	32	26	> 20000 > 4000
Travel Blank	B12-23444-5	12-Sep-12	< 3	< 3	<2 <2
Field Blank	B12-23444-6	12-Sep-12	< 3	< 3	<2 <2

M.D.L. = Method Detection Limit

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

Gord Murphy
Lab Supervisor

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.



CERTIFICATE OF ANALYSIS

Final Report

C.O.C.: G27825

REPORT No. B12-27723

Report To:

Municipality of Cape Dorset
PO Box 30,
Cape Dorset NV X0A 0C0 Canada
Attention: Kevin Warren

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

DATE RECEIVED: 30-Oct-12

JOB/PROJECT NO.:

DATE REPORTED: 13-Nov-12

P.O. NUMBER:

SAMPLE MATRIX: Water

WATERWORKS NO.

			Client I.D.	Raw Water			
			Sample I.D.	B12-27723-1			
			Date Collected	24-Oct-12			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Chloride	mg/L	0.5	SM4110C	01-Nov-12/O	7.3		
Fluoride	mg/L	0.1	SM4110C	01-Nov-12/O	< 0.1		
Nitrate (N)	mg/L	0.1	SM4110C	01-Nov-12/O	< 0.1		
Sulphate	mg/L	1	SM4110C	01-Nov-12/O	2		
Phenolics	mg/L	0.001	MOEE 3179	02-Nov-12/O	< 0.001		
Total Organic Carbon	mg/L	0.2	EPA 415.1	12-Nov-12/O	1.0		
Total Cyanide	mg/L	0.005	SM 4500CN	01-Nov-12/K	< 0.005		
Arsenic	mg/L	0.0005	EPA 200.8	02-Nov-12/O	< 0.0005		
Barium	mg/L	0.001	SM 3120	01-Nov-12/O	0.003		
Cadmium	mg/L	0.005	SM 3120	01-Nov-12/O	< 0.005		
Chromium	mg/L	0.002	SM 3120	01-Nov-12/O	< 0.002		
Chromium (VI)	mg/L	0.01	MOEE 3056	02-Nov-12/O	< 0.01		
Copper	mg/L	0.002	SM 3120	01-Nov-12/O	0.100		
Iron (Total)	mg/L	0.005	SM 3120	01-Nov-12/O	0.160		
Lead	mg/L	0.02	SM 3120	01-Nov-12/O	< 0.02		
Manganese (Total)	mg/L	0.001	SM 3120	01-Nov-12/O	0.002		
Selenium	mg/L	0.005	EPA 200.8	02-Nov-12/O	< 0.005		
Silver	mg/L	0.005	SM 3120	01-Nov-12/O	< 0.005		
Zinc	mg/L	0.005	SM 3120	01-Nov-12/O	0.023		
Surfactants Content	mg/L	0.05	SM-5540-C	08-Nov-12/O	< 0.05		

1. Chromium (VI) result is based on total chromium

2. Subcontracted to Niagara Analytical

Gord Murphy
Lab Supervisor

M.D.L. = Method Detection Limit

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

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