

Final Report

C.O.C.: G16964 **REPORT No. B11-22558**

Report To:

Hamlet of Pond Inlet

P.O Box 379.

Pond Inlet Nunavut X0A 0S0 Canada

Attention: Bhabesh Roy

DATE RECEIVED: 25-Aug-11

DATE REPORTED: 01-Sep-11 SAMPLE MATRIX: Solid

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123 Fax: 613-526-1244

JOB/PROJECT NO.: Pond Inlet Landfarn

P.O. NUMBER: WATERWORKS NO.

			Client I.D.		Contaminated Sample #1	Contaminated Sample #2	Contaminated Sample #3
			Sample I.D.		B11-22558-1	B11-22558-2	B11-22558-3
		Date Collected Reference Date/Site M.D.L. Method Analyzed					
Parameter	Units						•
Benzene	μg/g	0.1	EPA 8260	26-Aug-11/O	< 0.1	< 0.1	< 0.1
Toluene	µg/g	0.1	EPA 8260	26-Aug-11/O	< 0.1	< 0.1	< 0.1
Ethylbenzene	µg/g	0.1	EPA 8260	26-Aug-11/O	< 0.1	< 0.1	< 0.1
Xylene, m,p-	μg/g	0.2	EPA 8260	26-Aug-11/O	< 0.2	< 0.2	< 0.2
Styrene	μg/g	0.1	EPA 8260	26-Aug-11/O	< 0.1	< 0.1	< 0.1
Xylene, o-	μg/g	0.1	EPA 8260	26-Aug-11/O	< 0.1	< 0.1	< 0.1
PHC F1 (C6-C10)	μg/g	10	CWS Tier 1	30-Aug-11/K	< 10	< 10	< 10
PHC F2 (>C10-C16)	μg/g	5	CWS Tier 1	31-Aug-11/K	< 5	< 5	18
PHC F3 (>C16-C34)	μg/g	10	CWS Tier 1	31-Aug-11/K	< 10	< 10	40
PHC F4 (>C34-C50)	μg/g	10	CWS Tier 1	31-Aug-11/K	< 10	< 10	10
Comment-extractable	-		-	31-Aug-11	-	-	NDP

Note: NDP = No Distinct Pattern.

μg/g = micrograms per gram (parts per million)

F1 C6-C10 hydrocarbons in μg/g, (F1-btex if requested)

F2 C10-C16 hydrocarbons in µg/g, (F2-napth if requested)

F3 C16-C34 hydrocarbons in µg/g, (F3-pah if requested)

F4 C34-C50 hydrocarbons in µg/g
This method complies with the Reference Method for the CWS PHC and is validated for use in the

Any deviations from the method are noted and reported for any particular sample.

nC6 and nC10 response factor is within 30% of response factor for toluene:

nC10,nC16 and nC34 response factors within 10% of each other:

C50 response factors within 70% of nC10+nC16+nC34 average:

Linearity is within 15%:

All results expressed on a dry weight basis.

Unless otherwise noted all chromatograms returned to baseline by the retention time of nC50.

Unless otherwise noted all extraction and analysis limits for holding time were met.

QC will be made available upon request.

M.D.L. = Method Detection Limit

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



Final Report

C.O.C.: G07455 REPORT No. B11-25571

Report To:

Caduceon Environmental Laboratories

Hamlet of Pond Inlet

2378 Holly Lane

P.O Box 379,

Ottawa Ontario K1V 7P1

Pond Inlet Nunavut X0A 0S0 Canada Attention: Jonah Koonark Tel: 613-526-0123 Fax: 613-526-1244

DATE RECEIVED: 23-Sep-11

JOB/PROJECT NO .:

DATE REPORTED: 29-Sep-11

P.O. NUMBER:

SAMPLE MATRIX: Water

WATERWORKS NO.

			Client I.D.		#2 Pumping Site	#3 Going to the beach	
			Sample I.D.		B11-25571-1	B11-25571-2	
			Date Collect	ed	19-Sep-11	19-Sep-11	
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Total Coliform	cfu/100ml	1	MOE E3371	23-Sep-11/O	3600000	4200000	
E coli	cfu/100ml	1	MOE E3371	23-Sep-11/O	20000	10000	
Background	cfu/100ml	1	MOE E3371	23-Sep-11/O	< 100000	800000	
Total Suspended Solids	mg/L	3	SM 2540D	28-Sep-11/O	116	253	
BOD	mg/L	3	SM 5210B	24-Sep-11/O	<38	<38	



Final Report

C.O.C.: G16517

REPORT No. B11-25969

Report To:

Hamlet of Pond Inlet

P.O Box 379,

Pond Inlet Nunavut X0A 0S0 Canada

Attention: Marjorie Dobson

SAMPLE MATRIX: Water

DATE RECEIVED: 28-Sep-11
DATE REPORTED: 04-Oct-11

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123 Fax: 613-526-1244

JOB/PROJECT NO.:

P.O. NUMBER:

WATERWORKS NO.

			Client I.D.		Sept 26/11 Sampling		
			Sample I.D. Date Collected		B11-25969-1 26-Sep-11		
	Units						
Parameter		M.D.L.	Reference Method	Date/Site Analyzed			
BOD	mg/L	3	SM 5210B	29-Sep-11/O	49		
Total Suspended Solids	mg/L	3	SM 2540D	29-Sep-11/O	108		
Oil and Grease-Anim/Veg.	mg/L	1.0	SM 5520	03-Oct-11/K	483		
Oil and Grease-Mineral	mg/L	1.0	SM 5520	03-Oct-11/K	16.6		
Oil & Grease-Total	mg/L	1.0	SM 5520	03-Oct-11/K	499		
Total Coliform	cfu/100ml	1	MOE E3371	28-Sep-11/O	> 200000		
E coli	cfu/100ml	1	MOE E3371	28-Sep-11/O	> 20000		
Background	cfu/100ml	1	MOE E3371	28-Sep-11/O	> 200000		

M.D.L. = Method Detection Limit

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

Gord Murphy



Final Report

C.O.C.: G16544 REPORT No. B11-26534

Report To:

Hamlet of Pond Inlet

P.O Box 379,

Pond Inlet Nunavut X0A 0S0 Canada

Attention: Marjorie Dobson

DATE RECEIVED: 04-Oct-11 DATE REPORTED: 12-Oct-11 SAMPLE MATRIX: Water

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123 Fax: 613-526-1244

JOB/PROJECT NO .:

P.O. NUMBER:

WATERWORKS NO.

			Client I.D.		From the Beach			
			Sample I.D.		B11-26534-1			
			Date Collected		30-Sep-11			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed		•	•	
BOD	mg/L	3	SM 5210B	05-Oct-11/O	17	T		
Total Suspended Solids	mg/L	3	SM 2540D	12-Oct-11/O	12			
Total Coliform	cfu/100ml	1	MOE E3371	05-Oct-11/O	< 100000			
E coli	cfu/100ml	11	MOE E3371	05-Oct-11/O	< 10000			
Background	cfu/100ml	1	MOE E3371	05-Oct-11/O	< 100000			

M.D.L. = Method Detection Limit

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

Gord Murphy



Final Report

C.O.C.: G16544 REPORT No. B11-26534

Report To:

Hamlet of Pond Inlet

P.O Box 379.

Pond Inlet Nunavut X0A 0S0 Canada

Attention: Marjorie Dobson

DATE RECEIVED: 04-Oct-11
DATE REPORTED: 12-Oct-11
SAMPLE MATRIX: Water

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123 Fax: 613-526-1244

JOB/PROJECT NO .:

P.O. NUMBER:

WATERWORKS NO.

			Client I.D.		From the Beach		
			Sample I.D.				
			Date Collected		30-Sep-11		
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
BOD	mg/L	3	SM 5210B	05-Oct-11/O	17		
Total Suspended Solids	mg/L	3	SM 2540D	12-Oct-11/O	12		
Total Coliform	cfu/100ml	1	MOE E3371	05-Oct-11/O	< 100000		
E coli	cfu/100ml	1	MOE E3371	05-Oct-11/O	< 10000		
Background	cfu/100ml	1	MOE E3371	05-Oct-11/O	< 100000		

M.D.L. = Method Detection Limit

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



Final Report

C.O.C.: G 07454 REPORT No. B10-32204

Report To:

Hamlet of Pond Inlet

P.O Box 379,

Pond Inlet Nunavut X0A 0S0 Canada

Attention: Jonah Koonark

DATE RECEIVED: 25-Oct-10
DATE REPORTED: 05-Nov-10
SAMPLE MATRIX: Water

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123 Fax: 613-526-1244

JOB/PROJECT NO .:

P.O. NUMBER:

WATERWORKS NO.

		Client I.D. #3 -From the Beach					
			Sample I.D.		B10-32204-1		
			Date Collecte	ed	23-Oct-10		
Parameter Total Coliform	Units	M.D.L.	Reference Method	Date/Site Analyzed		•	
Total Coliform	cfu/100ml	1	MOE E3371	25-Oct-10/O	50		
E coli	cfu/100ml	1	MOE E3371	25-Oct-10/O	0		
Background	cfu/100ml	1	MOE E3371	25-Oct-10/O	100		
BOD	mg/L	3	SM 5210	27-Oct-10/O	7		
Total Suspended Solids	mg/L	3	SM 2540	28-Oct-10/O	6		
Oil and Grease-Anim/Veg.	mg/L	1.0	SM 5520	05-Nov-10/K	< 1.0		
Oil and Grease-Mineral	mg/L	1.0	SM 5520	05-Nov-10/K	< 1.0		
Oil & Grease-Total	mg/L	1.0	SM 5520	05-Nov-10/K	1.4		

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.

M.D.L. = Method Detection Limit

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

Gord Murphy



Final Report

C.O.C.: G07429 REPORT No. B10-23686

Report To:

Hamlet of Pond Inlet

P.O Box 379,

Pond Inlet Nunavut X0A 0S0 Canada

Attention: Bhabesh Roy

DATE RECEIVED: 12-Aug-10

DATE REPORTED: 18-Aug-10 SAMPLE MATRIX: Water

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123 Fax: 613-526-1244

JOB/PROJECT NO.: Pond Inlet Sewage Lagoon

P.O. NUMBER:

WATERWORKS NO.

			Client I.D.		Outside the Lagoon (Eastern)	Inside the Lagoon	Outside the Lagoon (Southern)
			Sample I.D.		B10-23686-1	B10-23686-2	B10-23686-3
			Date Collecte	ed	10 Aug 2010	10 Aug 2010	10 Aug 2010
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			•
BOD	mg/L	3	SM 5210	13-Aug-10/O	112	120	66
Total Suspended Solids	mg/L	3	SM 2540	14-Aug-10/O	37	44	18
E coli	cfu/100ml	1	MOE E3371	12-Aug-10/O	2300	126000	800

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston, W-Windsor, O-Ottawa, P-Peterborough, M-Moncton

Gord Murphy



Final Report

C.O.C.: G12055

REPORT No. B10-25763

Report To:

Hamlet of Pond Inlet

P.O Box 379.

Pond Inlet Nunavut X0A 0S0 Canada

Attention: Jonah Koonark

DATE RECEIVED: 31-Aug-10
DATE REPORTED: 08-Sep-10
SAMPLE MATRIX: Water

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123 Fax: 613-526-1244

JOB/PROJECT NO .:

P.O. NUMBER:

WATERWORKS NO.

			Client I.D.		#1	#2	#3 O & G	#4 Leaking From Lagoor
			Sample I.D.		B10-25763-1	B10-25763-2	B10-25763-3	
			Date Collect	ed	26-Aug-10	26-Aug-10	26-Aug-10	26-Aug-10
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			•	
BOD	mg/L	3	SM 5210	01-Sep-10/O	128	125		25
Oil and Grease-Anim/Veg.	mg/L	1.0	SM 5520	07-Sep-10/K			9.0	
Oil and Grease-Mineral	mg/L	1.0	SM 5520	07-Sep-10/K			< 1.0	
Oil & Grease-Total	mg/L	1.0	SM 5520	07-Sep-10/K			9.4	
Total Suspended Solids	mg/L	3	SM 2540	02-Sep-10/O	56	30		20
Total Coliform	cfu/100ml	1	MOE E3371	01-Sep-10/O	4200000	<100000		5100000
E coli	cfu/100ml	1	MOE E3371	01-Sep-10/O	<10000	10000		20000
Background	cfu/100ml	1	MOE E3371	01-Sep-10/O	2100000	200000		3200000

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,P-Peterborough,M-Moncton

Gord Murphy



Final Report

C.O.C.: G12238 REPORT No. B10-26763

Report To:

BASF Cornwall

501 Wallrich Ave.,

Cornwall ON K6J 2B5 Canada

Attention: F. Cross

DATE RECEIVED: 08-Sep-10

DATE REPORTED: 17-Sep-10
SAMPLE MATRIX: Waste Water

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa Ontario K1V 7P1

Tel: 613-526-0123 Fax: 613-526-1244

JOB/PROJECT NO.: Lagoon Samples

P.O. NUMBER: WATERWORKS NO.

			Client I.D.		Lagoon Influent 100906	Lagoon Effluent 100906		
			Sample I.D.		B10-26763-1	B10-26763-2		
			Date Collect	ed	06-Sep-10	06-Sep-10		
Parameter Units M.D.L.		Reference Method	Date/Site Analyzed					
рН	pH Units		EPA 150.1	09-Sep-10/O	7.00	7.16	I	
Total Suspended Solids	mg/L	3	SM 2540	13-Sep-10/O		84		
BOD	mg/L	3	SM 5210	09-Sep-10/O	388	6		
COD	mg/L	5	SM 5220D	09-Sep-10/O	1130	93		
Oil & Grease-Total	mg/L	1.0	SM 5520	16-Sep-10/K	125	25.4		
Oil and Grease-Anim/Veg.	mg/L	1.0	SM 5520	16-Sep-10/K	124	25.1		
Oil and Grease-Mineral	mg/L	1.0	SM 5520	16-Sep-10/K	< 1.0	< 1.0		

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,P-Peterborough,M-Moncton

Gord Murphy



Final Report

C.O.C.: C18494 REPORT No. B09-32860

Report To:

Hamlet of Pond Inlet

P.O Box 379

Pond Inlet, Nunavut, X0A 0S0 Attention: Jonah Koonark

DATE RECEIVED: 20-Oct-09

DATE REPORTED: 26-Oct-09

SAMPLE MATRIX: Waste Water

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa, Ontario, K1V 7P1 Tel: 613-526-0123

Fax: 613-526-1244

JOB/PROJECT NO.:

P.O. NUMBER:

WATERWORKS NO.

			Client I.D.:		Dumping Site	Sewage Lagoon	
			Sample I.D.:		B09-32860-1	B09-32860-2	
			Date Collected:		09-Oct-09	09-Oct-09	
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed		•	•
BOD	mg/L	3	SM 5210	21-Oct-09/O	276	56	T
Total Suspended Solids	mg/L	3	SM 2540	24-Oct-09/O	170	40	 <u> </u>

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,P-Peterborough,M-Moncton

Gord Murphy



Final Report

C.O.C.: C18494 REPORT No. B09-32860

Report To:

Hamlet of Pond Inlet

P.O Box 379

Pond Inlet, Nunavut, X0A 0S0 Attention: Jonah Koonark

DATE RECEIVED: 20-Oct-09

DATE REPORTED: 26-Oct-09

SAMPLE MATRIX: Waste Water

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa, Ontario, K1V 7P1

Tel: 613-526-0123 Fax: 613-526-1244

JOB/PROJECT NO.: P.O. NUMBER:

WATERWORKS NO.

			Client I.D.:		Dumping Site	Sewage Lagoon	
			Sample I.D.:		B09-32860-1	B09-32860-2	
			Date Collected:	ed:	09-Oct-09	09-Oct-09	
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
BOD	mg/L	3	SM 5210	21-Oct-09/O	276	56	
Total Suspended Solids	mg/L	3	SM 2540	24-Oct-09/O	170	40	

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston, W-Windsor, O-Ottawa, P-Peterborough, M-Moncton

Gord Murphy



Final Report

C.O.C.: C18228

REPORT No. B09-29374

Report To:

Hamlet of Pond Inlet

P.O Box 379

Pond Inlet, Nunavut, X0A 0S0 Attention: Jonah Koonark

DATE RECEIVED: 21-Sep-09
DATE REPORTED: 28-Sep-09
SAMPLE MATRIX: Water

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa, Ontario, K1V 7P1

Tel: 613-526-0123 Fax: 613-526-1244

JOB/PROJECT NO.:

P.O. NUMBER:

WATERWORKS NO.

			Client I.D.:		Sewage Lagoon #1	FR Sewage Lagoon					
			Sample I.D.:		B09-29374-1	B09-29374-2					
			Date Collect	ed:	16-Sep-09	16-Sep-09					
Parameter	Units	Units N	Units	eter Units N	M.D.L.	Reference Method	Date/Site Analyzed		•		
BOD	mg/L	3	SM 5210	23-Sep-09/O	64	62					
Total Suspended Solids	mg/L	3	SM 2540	27-Sep-09/O	92	44					
Oil and Grease-Anim/Veg.	mg/L	1.0	SM 5520	24-Sep-09/K	7.7	15.5					
Oil and Grease-Mineral	mg/L	1.0	SM 5520	24-Sep-09/K	4.7	< 1.0					
Oil & Grease-Total	mg/L	1.0	SM 5520	24-Sep-09/K	12.4	15.5					

M.D.L. = Method Detection Limit

 $Site\ Analyzed = K-Kingston, W-Windsor, O-Ottawa, P-Peterborough, M-Moncton$

Krystyna Pipin , M. Sc.



Final Report

C.O.C.: C18408

REPORT No. B09-30931

Report To:

Hamlet of Pond Inlet

P.O Box 379

Pond Inlet, Nunavut, X0A 0S0 Attention: Jonah Koonark

DATE RECEIVED: 02-Oct-09
DATE REPORTED: 07-Oct-09
SAMPLE MATRIX: Waste Water

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa, Ontario, K1V 7P1 Tel: 613-526-0123

Fax: 613-526-1244

JOB/PROJECT NO.:
P.O. NUMBER:
WATERWORKS NO.

	Units: M.D.L.: Reference Method: Date/Site Analyzed:		Oil and Grease- Anim/Veg. mg/L	Oil and Grease- Mineral mg/L 1.0 SM 5520 07-Oct-09/K	Oil & Grease- Total	
					mg/L	
			1.0		1.0 SM 5520 07-Oct-09/K	
			SM 5520			
			07-Oct-09/K			
Client I.D.	Sample I.D.	Date Collected				•
Dump Site	B09-30931-1	30-Sep-09	39.6	2.9	42.5	
#2 Middle	B09-30931-2	30-Sep-09	4.0	< 1.0	4.3	

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston, W-Windsor, O-Ottawa, P-Peterborough, M-Moncton

Krystyna Pipin, M. Sc.



Final Report

C.O.C.: ---

REPORT No. B08-35297

Report To:

P.O Box 379

Hamlet of Pond Inlet

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa, Ontario, K1V 7P1

Tel: 613-526-0123 Fax: 613-526-1244

Attention: Jonah Koonark

DATE RECEIVED: 22-Oct-08

JOB/PROJECT NO.:

DATE REPORTED: 27-Oct-08

P.O. NUMBER:

SAMPLE MATRIX: Water

Pond Inlet, Nunavut, X0A 0S0

WATERWORKS NO.

			Client I.D.: Sample I.D.:		Beach Sample		
					B08-35297-1		
		Date Co		ed:			
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
Total Suspended Solids	mg/L	3	SM 2540	23-Oct-08/O	36		
BOD	mg/L	3	SM 5210	22-Oct-08/O	67		

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,P-Peterborough,M-Moncton



Final Report

C.O.C.: ---

REPORT No. B08-33197

Report To:

Hamlet of Pond Inlet

P.O Box 379

Pond Inlet, Nunavut, X0A 0S0 Attention: Jonah Koonark

DATE RECEIVED: 06-Oct-08

DATE REPORTED: 14-Oct-08

SAMPLE MATRIX: Waste Water

Caduceon Environmental Laboratories

2378 Holly Lane

Ottawa, Ontario, K1V 7P1

Tel: 613-526-0123 Fax: 613-526-1244

JOB/PROJECT NO .:

P.O. NUMBER:

WATERWORKS NO.

			Client I.D.: Sample I.D.: Date Collected:		Sewage Lagoon B08-33197-1	Midder of Lagoon and the Beach	
						B08-33197-2	
Parameter	Units	M.D.L.	Reference Method	Date/Site Analyzed			
BOD	mg/L	3	SM 5210	08-Oct-08/O	221	104	
Total Coliform	cts/100mL	1	MOE E3371	06-Oct-08/O	6100000		
E coli	cts/100mL	1	MOE E3371	06-Oct-08/O	10000		
Background	cts/100mL	1	MOE E3371	06-Oct-08/O	1600000		
Total Suspended Solids	mg/L	3	SM 2540	08-Oct-08/O	310	22	
Oil and Grease-Anim/Veg.	mg/L	1.0	SM 5520	09-Oct-08/K	70.9		
Oil and Grease-Mineral	mg/L	1.0	SM 5520	09-Oct-08/K	1.9		
Oil & Grease-Total	mg/L	1.0	SM 5520	09-Oct-08/K	72.8		

M.D.L. = Method Detection Limit

Site Analyzed=K-Kingston,W-Windsor,O-Ottawa,P-Peterborough,M-Moncton

Gord Murphy