2025 ANNUAL REPORT
FOR THE MUNICIPALITY OF POND INLET

YEAR BEING REPORTED: 2025

The following information is compiled pursuant to the requirements of Part B, Item 1 of Water License No. **3BM-PON2025** issued to the **Municipality of Pond Inlet.**

Below are tabular summaries of data gathered under the "Monitoring Program".

I. Monthly and annual quantities of freshwater obtained, estimated sewage waste discharged and accepted quantities of hazardous and non-hazardous waste accepted at the Solid Waste Disposal Facility:

Table 1: Summary of water obtained as recorded in the On Tap Water Deliver System, estimated discharge of sewage waste, and accepted hazardous and non-hazardous waste in m^3.

Month Reported	Quantity of Water Obtained from all sources (m^3)	Quantity of Sewage Waste Discharged (m^3)	Hazardous Waste Accepted (m^3)	Non-Hazardous Waste Accepted (m^3)
January	4,829.69	Same	1.98	1,786.30
February	4,259.42	Same	1.98	1,786.30
March	4,882.61	Same	1.98	1,786.30
April	4,674.59	Same	1.98	1,786.30
May	4,854.65	Same	1.98	1,786.30
June	4,533.64	Same	1.98	1,786.30
July	4,669.40	Same	1.98	1,786.30
August	4,692.90	Same	1.98	1,786.30
September	4,987.61	Same	1.98	1,786.30
October	5,039.04	Same	1.98	1,786.30
November	4,727.36	Same	1.98	1,786.30
December	4,620.85	Same	1.98	1,786.30
Annual Total	56,771.76	Same	23.71	21,435.65

Note: No meter exists to measure the sewage discharge volumes, therefore Sewage discharge volumes are considered equal to the water consumption volumes. No sludge removed from the Sewage Disposal Facility in 2025.

There was no water pumped from Salmon Creek to the reservoir in 2025

II. 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.

No modifications or major maintenance carried out in 2025.

III. A list of unauthorized discharges and a summary of follow-up action taken.

No authorized discharged associated with licenced infrastructure in 2025.

IV. A summary of any abandonment and restoration work completed during the year and an outline of any work anticipated for the next year.

No abandonment or restoration activities were completed in 2025 or is planned for 2026.

V. Updates or revisions to the approved Operation and Maintenance Plans:

No updates were made to the Operation and Maintenance Plans in 2025. All Operation and Maintenance Plans will be updated in 2026 and submitted as part of the application for amendment and renewal of the water licence in 2026 for the Board's approval.

VI. 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:

The detailed design for the new water treatment facility was completed. The design is fully compliant with the terms of the existing water licence; however, as the facility is designed for a 20-year design life, increases to the water use volumes are requested supported by the results from a hydrological study on Salmon Creek. The Licensee is in the process of applying for an amendment and renewal of the water licence for approval of the facility design and to proceed with construction.

VII. Any other details on water use or waste disposal requested by the Board by November 1st of the year being reported:

No other details were requested by the Board by November 1, 2025.

VIII. Additional information that the licensee deems useful:

Monitoring stations within the wetland treatment area have not been established yet.

IX. Follow-up regarding inspection/compliance concerns:

No CIRNAC Inspection report completed in 2025.

APPENDICES:

Appendix A: Summary of Monitoring Data

Appendix B: Monitoring Program Sample Results

- Certificate of Analysis – 25-07-10 (PON-4)
- Certificate of Analysis – 25-07-10 (PON-8)

Appendix A: Summary of Monitoring Data

PON-4 Effluent Quality Limits as per Part D, Item 4

Parameter	Maximum Concentration of any Grab Sample	10-Jul-2025 PON-4
BOD5	120 mg/L	14 mg/L
Total Suspended Solids	180 mg/L	15 mg/L
Fecal Coliform	$1x10^6$ CFU/100 mL	<10 CFU/100 mL
Oil and Grease	No visible sheen	1.8 mg/L
pH	Between 6 and 9	7.46

Note: The wastewater effluent was in compliance with the effluent quality limits, which suggests effective treatment at the sewage disposal facility lagoon. Additional treatment by the wetland, would result in a highly treated effluent prior to entering the marine receiving environment.

PON-8 Effluent Quality Limits as per Part D, Item 13

Parameter	Maximum Concentration of any Grab Sample	10-Jul-2025 PON-8
pH	Between 6 and 9 pH units	7.55
Oil and grease	5000 µg/L	1900 µg/L
Lead (dissolved)	1 µg/L	<20 µg/L
Benzene	370 µg/L	<0.5 µg/L
Toluene	2 µg/L	<0.5 µg/L
Ethylbenzene	90 µg/L	<0.5 µg/L

Note: Effluent released from the Landfarm Facility was in compliance with the effluent quality limits.

Appendix B: Monitoring Program Sample Results

CADUCEON ENVIRONMENTAL LABORATORIES

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CERTIFICATE OF ANALYSIS

Final Report

C.O.C.: G 136710 **REPORT No: 25-020913 - Rev. 0**

Report To:
Hamlet of Pond Inlet
P.O Box 379
Pond Inlet, NVT X0A 0S0

CADUCEON Environmental Laboratories
2378 Holly Lane
Ottawa, ON K1V 7P1

Attention: David Stockley

DATE RECEIVED: 2025-Jul-16
DATE REPORTED: 2025-Jul-23
SAMPLE MATRIX: Waste Water

CUSTOMER PROJECT:
P.O. NUMBER:

Analyses	Qty	Site Analyzed	Authorized	Date Analyzed	Lab Method	Reference Method
Anions (Liquid)	2	OTTAWA	PCURIEL	2025-Jul-16	A-IC-01	SM 4110B
BOD5 (Liquid)	2	KINGSTON	DCASSIDY	2025-Jul-17	BOD-001	SM 5210B
Cond/pH/Alk Auto (Liquid)	2	OTTAWA	SBOUDREAU	2025-Jul-16	COND-02/PH-02/A LK-02	SM 2510B/4500H/ 2320B
Fecal Coliforms (Liquid)	2	OTTAWA	HALIPDA	2025-Jul-16	FC-001	SM 9222D
ICP/MS Total (Liquid)	2	OTTAWA	AOZKAYMAK	2025-Jul-17	D-ICPMS-01	EPA 6020
ICP/OES Total (Liquid)	2	OTTAWA	SGORMAN	2025-Jul-17	D-ICP-01	SM 3120B
Mercury (Liquid)	2	OTTAWA	TBENNETT	2025-Jul-17	D-HG-02	SM 3112B
Ammonia & o-Phosphate (Liquid)	2	KINGSTON	VHAMMOND	2025-Jul-23	NH3-001	SM 4500NH3
Oil & Grease (Liquid)	2	KINGSTON	MLANE	2025-Jul-17	O&G-001	SM 5520
Phenols (Liquid)	2	KINGSTON	MCLOSS	2025-Jul-21	PHEN-01	MECP E3179
Total Organic Carbon (TOC)	2	OTTAWA	LMACGREGOR	2025-Jul-18	C-OC-01	EPA 415.2
TSS (Liquid)	2	KINGSTON	KYUILL	2025-Jul-21	TSS-001	SM 2540D

R.L. = Reporting Limit
NC = Not Calculated
Test methods may be modified from specified reference method unless indicated by an *

Michelle Dubien
Data Specialist

The analytical results reported herein refer to the samples as received and relate only to the items tested. Reproduction of this analytical report in full or in part is prohibited without prior consent from Caduceon Environmental Laboratories.

			Client I.D.	PON-4	PON-5
			Sample I.D.	25-020913-1	25-020913-2
			Date Collected	2025-07-10	2025-07-10
Parameter	Units	R.L.		-	-
Fecal Coliform	CFU/100mL	1		<10	<100
Alkalinity(CaCO3) to pH4.5	mg/L	5		97	128
Conductivity @25°C	uS/cm	1		306	405
pH @25°C	pH units	-		7.46	7.00
Chloride	mg/L	0.5		21.0	28.9
Nitrate (N)	mg/L	0.05		0.64	<0.05
Nitrite (N)	mg/L	0.05		0.33	<0.05
Sulphate	mg/L	1		6	8
BOD5	mg/L	3		14	33
Total Suspended Solids	mg/L	3		15	41
Ammonia (N)-Total (NH3+NH4)	mg/L	0.05		9.78	8.99
Total Organic Carbon	mg/L	0.8		19.7	76.5
Phenolics	mg/L	0.001		0.011	0.138
Hardness (as CaCO3)	mg/L	0.02		57.8	105
Aluminum (Total)	mg/L	0.01		0.07	0.08
Cadmium (Total)	mg/L	0.005		<0.005	<0.005
Calcium (Total)	mg/L	0.02		11.0	20.1
Chromium (Total)	mg/L	0.002		<0.002	<0.002
Cobalt (Total)	mg/L	0.005		<0.005	0.022
Copper (Total)	mg/L	0.002		0.006	0.011
Iron (Total)	mg/L	0.005		1.82	3.42

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Data Specialist

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		Client I.D.	PON-4	PON-5
		Sample I.D.	25-020913-1	25-020913-2
		Date Collected	2025-07-10	2025-07-10
Parameter	**Units**	**R.L.**	-	-
Lead (Total)	mg/L	0.02	<0.02	<0.02
Magnesium (Total)	mg/L	0.02	7.38	13.2
Manganese (Total)	mg/L	0.001	0.243	2.02
Nickel (Total)	mg/L	0.01	<0.01	0.02
Potassium (Total)	mg/L	0.1	7.1	10.9
Sodium (Total)	mg/L	0.2	17.6	27.9
Zinc (Total)	mg/L	0.005	0.010	0.012
Arsenic (Total)	mg/L	0.0005	<0.0005	0.0007
Mercury	mg/L	0.00002	<0.00002	<0.00002

		Client I.D.	PON-4	PON-5
		Sample I.D.	25-020913-1	25-020913-2
		Date Collected	2025-07-10	2025-07-10
Parameter	**Units**	**R.L.**	-	-
Oil & Grease (Total)	mg/L	1.0	1.8	3.4

Bacteria passed holding time.

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Data Specialist

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CERTIFICATE OF ANALYSIS

Final Report

C.O.C.: G 136712 **REPORT No: 25-020960 - Rev. 0**

Report To:
Hamlet of Pond Inlet
P.O Box 379
Pond Inlet, NVT X0A 0S0

CADUCEON Environmental Laboratories
2378 Holly Lane
Ottawa, ON K1V 7P1

Attention: David Stockley

DATE RECEIVED: 2025-Jul-16
DATE REPORTED: 2025-Jul-23
SAMPLE MATRIX: Waste Water

CUSTOMER PROJECT:
P.O. NUMBER:

Analyses	Qty	Site Analyzed	Authorized	Date Analyzed	Lab Method	Reference Method
Anions (Liquid)	1	OTTAWA	PCURIEL	2025-Jul-17	A-IC-01	SM 4110B
BOD5 (Liquid)	1	KINGSTON	DCASSIDY	2025-Jul-18	BOD-001	SM 5210B
Cond/pH/Alk Auto (Liquid)	1	OTTAWA	SBOUDREAU	2025-Jul-17	COND-02/PH-02/A LK-02	SM 2510B/4500H/ 2320B
Fecal Coliforms (Liquid)	1	OTTAWA	HALIPDA	2025-Jul-16	FC-001	SM 9222D
ICP/MS Total (Liquid)	1	OTTAWA	AOZKAYMAK	2025-Jul-17	D-ICPMS-01	EPA 6020
ICP/OES Total (Liquid)	1	OTTAWA	SGORMAN	2025-Jul-17	D-ICP-01	SM 3120B
Mercury (Liquid)	1	OTTAWA	TBENNETT	2025-Jul-17	D-HG-02	SM 3112B
Ammonia & o-Phosphate (Liquid)	1	KINGSTON	VHAMMOND	2025-Jul-23	NH3-001	SM 4500NH3
Oil & Grease (Liquid)	1	KINGSTON	DCHAUDHARI	2025-Jul-18	O&G-001	SM 5520
PHC F1 (Liquid)	1	RICHMOND_HILL	FLENA	2025-Jul-22	C-VPHW-01	MECP E3421
PHC F2-4 (Liquid)	1	KINGSTON	STHOMPSON	2025-Jul-20	PHC-W-001	MECP E3421
Phenols (Liquid)	1	KINGSTON	MCLOSS	2025-Jul-21	PHEN-01	MECP E3179
SVOC - Semi-Volatiles (Liquid)	1	KINGSTON	KPARKER	2025-Jul-19	NAB-W-001	EPA 8270D
Total Organic Carbon (TOC)	1	OTTAWA	LMACGREGOR	2025-Jul-17	C-OC-01	EPA 415.2
TP & TKN (Liquid)	1	KINGSTON	YLIEN	2025-Jul-23	TPTKN-001	MECP E3516.2
TSS (Liquid)	1	KINGSTON	KYUILL	2025-Jul-21	TSS-001	SM 2540D
VOC-Volatiles Full (Water)	1	RICHMOND_HILL	JEVANS	2025-Jul-22	C-VOC-02	EPA 8260

µg/g = micrograms per gram (parts per million) and is equal to mg/Kg
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 laboratory.
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.

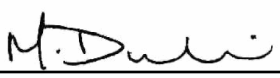
R.L. = Reporting Limit
NC = Not Calculated
Test methods may be modified from specified reference method unless indicated by an *

Unless otherwise noted all extraction, analysis, QC requirements and limits for holding time were met.
If analyzed for F4 and F4G they are not to be summed but the greater of the two numbers are to be used in application to the CWS PHC
QC will be made available upon request.

Michelle Dubien
Data Specialist

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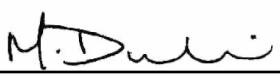
		Client I.D.	PON-8
		Sample I.D.	25-020960-1
		Date Collected	2025-07-10
Parameter	**Units**	**R.L.**	-
Fecal Coliform	CFU/100mL	1	<2
Alkalinity(CaCO3) to pH4.5	mg/L	5	67
Conductivity @25°C	uS/cm	1	227
pH @25°C	pH units	-	7.55
Chloride	mg/L	0.5	9.7
Nitrate (N)	mg/L	0.05	0.64
Nitrite (N)	mg/L	0.05	<0.05
Sulphate	mg/L	1	23
BOD5	mg/L	3	<3
Total Suspended Solids	mg/L	3	8
Phosphorus (Total)	mg/L	0.01	0.08
Ammonia (N)-Total (NH3+NH4)	mg/L	0.05	0.14
Total Organic Carbon	mg/L	0.8	11.8
Phenolics	mg/L	0.001	0.001
Hardness (as CaCO3)	mg/L	0.02	83.7
Aluminum (Total)	mg/L	0.01	0.06
Cadmium (Total)	mg/L	0.005	<0.005
Calcium (Total)	mg/L	0.02	18.4
Chromium (Total)	mg/L	0.002	<0.002
Cobalt (Total)	mg/L	0.005	<0.005
Copper (Total)	mg/L	0.002	0.005



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Data Specialist

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Parameter	Units	R.L.	Client I.D.: PON-8	Sample I.D.: 25-020960-1	Date Collected: 2025-07-10
Iron (Total)	mg/L	0.005	0.215		
Lead (Total)	mg/L	0.02	<0.02		
Manganese (Total)	mg/L	0.001	0.005		
Nickel (Total)	mg/L	0.01	<0.01		
Potassium (Total)	mg/L	0.1	3.4		
Zinc (Total)	mg/L	0.005	0.022		
Arsenic (Total)	mg/L	0.0001	<0.0003		
Mercury	mg/L	0.00002	<0.00002		



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		Client I.D.	PON-8
		Sample I.D.	25-020960-1
		Date Collected	2025-07-10
Parameter	**Units**	**R.L.**	-
Benzene	µg/L	0.5	<0.5
Ethylbenzene	µg/L	0.5	<0.5
Toluene	µg/L	0.5	<0.5
Xylene, m,p-	µg/L	1	<1
Xylene, m,p,o-	µg/L	1.1	<1.1
Xylene, o-	µg/L	0.5	<0.5
PHC F1 (C6-C10)	µg/L	25	<25
PHC F2 (>C10-C16)	µg/L	50	<50
PHC F3 (>C16-C34)	µg/L	400	<400
PHC F4 (>C34-C50)	µg/L	400	<400
Oil & Grease (Total)	mg/L	1.0	1.9

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		Client I.D.	PON-8
		Sample I.D.	25-020960-1
		Date Collected	2025-07-10
Parameter	**Units**	**R.L.**	-
Acenaphthene	µg/L	0.05	<0.05
Acenaphthylene	µg/L	0.05	<0.05
Anthracene	µg/L	0.05	<0.05
Benzo[a]anthracene	µg/L	0.05	<0.05
Benzo(a)pyrene	µg/L	0.01	<0.01
Benzo(b)fluoranthene	µg/L	0.05	<0.05
Benzo(b+k)fluoranthene	µg/L	0.1	<0.1
Benzo(g,h,i)perylene	µg/L	0.05	<0.05
Benzo(k)fluoranthene	µg/L	0.05	<0.05
Chrysene	µg/L	0.05	<0.05
Dibenzo(a,h)anthracene	µg/L	0.05	<0.05
Fluoranthene	µg/L	0.05	<0.05
Fluorene	µg/L	0.05	<0.05
Indeno(1,2,3,-cd)Pyrene	µg/L	0.05	<0.05
Methylnaphthalene,1-	µg/L	0.05	<0.05
Methylnaphthalene,2-(1-)	µg/L	1	<1
Methylnaphthalene,2-	µg/L	0.05	<0.05
Naphthalene	µg/L	0.05	<0.05
Phenanthrene	µg/L	0.05	<0.05
Pyrene	µg/L	0.05	<0.05
Total PAH	µg/L	0.1	<0.1

Bacteria passed holding time.

Michelle Dubien
Data Specialist

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