

THE LANDING DRINKING WATER SYSTEM WATERWORKS # 260086476

SYSTEM CATEGORY – NON-
MUNICIPAL YEAR-ROUND
RESIDENTIAL

ANNUAL WATER REPORT

PREPARED FOR
Peterborough Standard Condo Corp. #75

SUBMITTED BY
Ontario Clean Water Agency

Reporting Period of January 1 – December 31, 2025

Issued: February 27, 2026

Revision: 0

Operating Authority: Ontario Clean Water Agency (OCWA)

This report has been prepared to satisfy the annual reporting requirements in O. Reg.
170/03 Section 11

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General Information

The Peterborough Standard Condo Corp. #75 prepares a report summarizing system operation and water quality for the drinking water system annually. This report has been prepared to satisfy the annual reporting requirements in O. Reg. 170/03 Section 11. The annual reports will be available to residents and the Board free of charge through Owner Representatives Bill Medland and Chris James, The Landing website and newsletter.

This system does not serve more than 10,000 residents.

Drinking Water System Number: 260086476

Drinking Water System Name: The Landing DWS

Drinking Water System Owner: Peterborough Standard Condo Corp. #75

Drinking Water System Category: Non-Municipal Year-Round Residential

Period Being Reported: January 1, 2025 - December 31, 2025

Compliance Summary

Table 1. Compliance Summary

	Number of Events	Date (yyyy/mm/dd)	Details
Ministry (MECP) Inspections	0	N/A	N/A
Adverse Water Quality Incidents (AWQIs)	5	See Summary of Non-Compliances	
Non-Compliances	0	N/A	N/A
Boil Water Advisories (BWA)	1	2025/03/30	AWQI 167654 Loss of system pressure due to power outage, lost communication, no access to site due to icy roads, power lines and trees down.
Health and Safety	0	N/A	N/A

Drinking Water System Description

The drinking water system services The Landing, a residential condominium development located in North Kawartha Township, Ontario. The property includes five buildings, each with five condominiums. The Landing Drinking Water System is a non-municipal year-round drinking water system.

Source Water

The water supply for the system comes from Anstruther Lake.

Water Treatment Facility

The water treatment system draws raw water through an infiltration gallery fitted with a variable frequency drive controlled submersible pump, then directs it through 5micron cartridge filters followed by two parallel tannin removal anion exchange units and two parallel 1 micron absolute cartridge filters.

After filtration, the water receives chlorine dosing through a flow-paced injection system before entering a below grade concrete storage tank equipped with level controls. A timer controlled recirculation loop, complete with an additional chlorine injection system and online chlorine analyzer, helps maintain consistent disinfection within the tank. A turbidity analyzer monitors water quality downstream of the 1 micron filters, while a memograph and SCADA system record and display treatment data for remote supervision.

Finally, two variable frequency drive controlled submersible pumps and booster tanks supply constant pressure to deliver the treated water to the distribution system.

Table 2. Treatment Chemicals Used

Chemical Name	Use	Supplier
Sodium Hypochlorite	Disinfection	Jutzi Water Technologies

Summary of Non-Compliance

Adverse Water Quality Incidents

Table 3. Adverse Water Quality Incidents

Date	AWQI #	Location	Problem	Details	Legislation	Corrective Action Taken
2025/03/30	167654	Distribution Water	Loss of power	Loss of system pressure due to power outage from the storm. Loss of communication to facility. No access to site due to icy roads, power lines/trees down.	O. Reg. 170/03 Schedule 16.3	MOH issued a BWA. Power restored March 31. April 1 flushed and took first set of samples. April 2 took second set of samples. Results good on both sets. BWA rescinded April 4.
2025/07/25	169176	Distribution Water	Loss of power	Loss of system pressure due to power outage from storm. Loss of communication to the facility.	O. Reg. 170/03 Schedule 16.3	When power restored, flushed system and collected one set of samples as per MOH request. Results good.
2025/09/23	170038	Distribution Water	Loss of power	Loss of system pressure due to power outage.	O. Reg. 170/03 Schedule 16.3	When power restored, flushed system and collected one set of samples. Results good.

Date	AWQI #	Location	Problem	Details	Legislation	Corrective Action Taken
2025/10/18	170433	Treated Water	Filter turbidity >1.0 NTU for 20 minutes	Filter turbidity >1.0 NTU for over 15 minutes	O. Reg. 170/03 Schedule 16.3	Check turbidity monitoring equipment and calibrate analyzer. Change out 5-micron and 1-micron cartridge filters. Flush system to purge out air.
2025/10/19	170456	Treated Water	Filter turbidity >1.0 NTU for 32 minutes	Filter turbidity >1.0 NTU for over 15 minutes	O. Reg. 170/03 Schedule 16.3	Check turbidity monitoring equipment – Found large air bubble in process vial of turbidity analyzer which may have caused the analyzer to read high. Increase flow rate to analyzer. Verify flow rate to analyzer. Analyzer reading in normal range and not fluctuating.

Non-Compliance

There were no non-compliances reported during this reporting period.

Non-Compliance Identified in a Ministry Inspection:

There were no non-compliances identified in a Ministry Inspection during this reporting period.

Regulatory Sample Results Summary

Microbiological Testing

Table 4. Microbiological Test Results

	No. of Samples Collected	Range of E. Coli Results		Range of Total Coliform Results		Range of HPC Results	
		Min	Max	Min	Max	Min	Max
Raw	12	0	11	0	61	N/A	N/A
Treated	4	0	0	0	0	0	0
Distribution	32	0	0	0	0	0	1

Operational Testing

Table 5. Operational Test Results

Parameter	No. of Samples Collected	Range of Results	
		Minimum	Maximum
Turbidity Raw (NTU) – In-House	12	0.17	0.61
Turbidity Filter (NTU) – Online	8760	0.00	2.01
Chlorine Treated Water (mg/L) – Online	8760	0.00	5.00
Free Chlorine Residual (mg/L) – In-House	105	1.71	3.03

Note: For continuous monitors 8760 is used as the number of samples. Spikes recorded by on-line instrumentation were a result of air bubbles and various maintenance/calibration activities. All spikes are reviewed for compliance with O. Reg. 170/03, any true exceedance would be documented in this report.

Inorganic Parameters

These parameters are tested as a requirement under 170/03. Sodium, Fluoride and Metals are required to be tested every 5 years. Nitrate and Nitrite are tested quarterly. In the event any of the metal parameters exceed half of the maximum allowable concentration the parameter is required to be sampled quarterly.

Table 6. Inorganic Parameters Test Results

	Sample Date (yyyy/mm/dd)	Sample Result	Unit of Measure	MAC	Exceedances	
					MAC	1/2 MAC
Treated Water						
Antimony	2021/08/31	<MDL 0.9	µg/L	6.0	No	No
Arsenic	2021/08/31	<MDL 0.2	µg/L	10.0	No	No
Barium	2021/08/31	1.25	µg/L	1000.0	No	No
Boron	2021/08/31	12	µg/L	5000.0	No	No
Cadmium	2021/08/31	0.004	µg/L	5.0	No	No
Chromium	2021/08/31	0.30	µg/L	50.0	No	No
Mercury	2021/08/31	<MDL 0.01	µg/L	1.0	No	No
Selenium	2021/08/31	<MDL 0.04	µg/L	50.0	No	No
Uranium	2021/08/31	0.020	µg/L	20.0	No	No
Additional Inorganics						
Fluoride	2021/08/31	<MDL 0.06	mg/L	1.5	No	No
Nitrate	2025/01/06	0.023	mg/L	10.0	No	No
Nitrate	2025/04/07	0.156	mg/L	10.0	No	No
Nitrate	2025/07/07	<MDL 0.006	mg/L	10.0	No	No
Nitrate	2025/10/06	<MDL 0.006	mg/L	10.0	No	No
Nitrite	2025/01/06	<MDL 0.003	mg/L	1.0	No	No
Nitrite	2025/04/07	<MDL 0.003	mg/L	1.0	No	No
Nitrite	2025/07/07	<MDL 0.003	mg/L	1.0	No	No
Nitrite	2025/10/06	<MDL 0.003	mg/L	1.0	No	No
Sodium	2021/08/31	23.1	mg/L	20*	Yes	Yes

MAC = Maximum Allowable Concentration as per O. Reg. 169/03

MDL = Method Detection Limit

*There is no "MAC" for Sodium. The aesthetic objective for sodium in drinking water is 200 mg/L. The local Medical Officer of Health should be notified when the sodium concentration exceeds 20 mg/L so that this information may be communicated to local physicians for their use with patients on sodium restricted diets. Sodium for The Landing DWS was reported adverse in 2021.

Schedule 15 Sampling

The Schedule 15 Sampling is required under O. Reg. 170/03.

Table 7. Schedule 15 Test Results (Lead)

Distribution System	Number of Sampling Points	Number of Samples	Range of Results Minimum	Range of Results Maximum	MAC (µg/L)	Number of Exceedances
Alkalinity (mg/L)	1	2	11	33	N/A	N/A
pH	1	2	6.90	7.06	N/A	N/A
Lead (µg/L)	1	2	1.88	4.60	10	0

MAC = Maximum Allowable Concentration as per O. Reg. 169/03

Organic Parameters

These parameters are tested every five years as a requirement under O. Reg 170/03. In the event any of the parameters exceed half of the maximum allowable concentration the parameter is required to be sampled quarterly.

Table 8. Organic Parameters Test Results

	Sample Date (yyyy/mm/dd)	Sample Result	Unit of Measure	MAC	Number of Exceedances	
					MAC	1/2 MAC
Treated Water						
Alachlor	2021/08/31	<MDL 0.02	µg/L	5.00	No	No
Atrazine + N-dealkylated metabolites	2021/08/31	<MDL 0.01	µg/L	5.00	No	No
Azinphos-methyl	2021/08/31	<MDL 0.05	µg/L	20.00	No	No
Benzene	2021/08/31	<MDL 0.32	µg/L	1.00	No	No
Benzo(a)pyrene	2021/08/31	<MDL 0.004	µg/L	0.01	No	No
Bromoxynil	2021/08/31	<MDL 0.33	µg/L	5.00	No	No
Carbaryl	2021/08/31	<MDL 0.05	µg/L	90.00	No	No
Carbofuran	2021/08/31	<MDL 0.01	µg/L	90.00	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	Unit of Measure	MAC	Number of Exceedances	
					MAC	1/2 MAC
Carbon Tetrachloride	2021/08/31	<MDL 0.17	µg/L	2.00	No	No
Chlorpyrifos	2021/08/31	<MDL 0.02	µg/L	90.00	No	No
Diazinon	2021/08/03	<MDL 0.02	µg/L	20.00	No	No
Dicamba	2021/08/31	<MDL 0.20	µg/L	120.00	No	No
1,2-Dichlorobenzene	2021/08/31	<MDL 0.41	µg/L	200.00	No	No
1,4-Dichlorobenzene	2021/08/31	<MDL 0.36	µg/L	5.00	No	No
1,2-Dichloroethane	2021/08/31	<MDL 0.35	µg/L	5.00	No	No
1,1-Dichloroethylene	2021/08/31	<MDL 0.33	µg/L	14.00	No	No
Dichloromethane (Methylene Chloride)	2021/08/31	<MDL 0.35	µg/L	50.00	No	No
2,4-Dichlorophenol	2021/08/31	<MDL 0.15	µg/L	900.00	No	No
2,4-Dichlorophenoxy acetic acid (2,4-D)	2021/08/31	<MDL 0.19	µg/L	100.00	No	No
Diclofop-methyl	2021/08/31	<MDL 0.4	µg/L	9.00	No	No
Dimethoate	2021/08/31	<MDL 0.06	µg/L	20.00	No	No
Diquat	2021/08/31	<MDL 1.0	µg/L	70.00	No	No
Diuron	2021/08/31	<MDL 0.03	µg/L	150.00	No	No
Glyphosate	2021/08/31	<MDL 1.0	µg/L	280.00	No	No
Malathion	2021/08/31	<MDL 0.02	µg/L	190.00	No	No
2-Methyl- 4chlorophenoxyacetic Acid (MCPA)	2021/08/31	<MDL 0.12	µg/L	100	No	No
Metolachlor	2021/08/31	<MDL 0.01	µg/L	50.00	No	No
Metribuzin	2021/08/31	<MDL 0.02	µg/L	80.00	No	No
Monochlorobenzene (Chlorobenzene)	2021/08/31	<MDL 0.3	µg/L	80.00	No	No
Paraquat	2021/08/31	<MDL 1.0	µg/L	10.00	No	No
PCB	2021/08/31	<MDL 0.04	µg/L	3.00	No	No
Pentachlorophenol	2021/08/31	<MDL 0.15	µg/L	60.00	No	No

	Sample Date (yyyy/mm/dd)	Sample Result	Unit of Measure	MAC	Number of Exceedances	
					MAC	1/2 MAC
Phorate	2021/08/31	<MDL 0.01	µg/L	2.00	No	No
Picloram	2021/08/31	<MDL 1.0	µg/L	190.00	No	No
Prometryne	2021/08/31	<MDL 0.03	µg/L	1.00	No	No
Simazine	2021/08/31	<MDL 0.01	µg/L	10.00	No	No
Terbufos	2021/08/31	<MDL 0.01	µg/L	1.00	No	No
Tetrachloroethylene	2021/08/31	<MDL 0.35	µg/L	10.00	No	No
2,3,4,6-Tetrachlorophenol	2021/08/31	<MDL 0.2	µg/L	100.00	No	No
Triallate	2021/08/31	<MDL 0.01	µg/L	230.00	No	No
Trichloroethylene	2021/08/31	<MDL 0.44	µg/L	5.00	No	No
2,4,6-Trichlorophenol	2021/08/31	<MDL 0.25	µg/L	5.00	No	No
Trifluralin	2021/08/31	<MDL 0.02	µg/L	45.0	No	No
Vinyl Chloride	2021/08/31	<MDL 0.17	µg/L	1.00	No	No
Distribution Water						
Haloacetic Acids Running Annual Average Q1	2025/01/06	23.95	µg/L	80	No	N/A
Haloacetic Acids Running Annual Average Q2	2025/04/07	22.18	µg/L	80	No	N/A
Haloacetic Acids Running Annual Average Q3	2025/07/07	18.83	µg/L	80	No	N/A
Haloacetic Acids Running Annual Average Q4	2025/10/06	18.83	µg/L	80	No	N/A
Trihalomethane Running Annual Average Q1	2025/01/06	28.75	µg/L	100	No	N/A
Trihalomethane Running Annual Average Q2	2025/04/07	27.25	µg/L	100	No	N/A

	Sample Date (yyyy/mm/dd)	Sample Result	Unit of Measure	MAC	Number of Exceedances	
					MAC	1/2 MAC
Trihalomethane Running Annual Average Q3	2025/07/07	25.25	µg/L	100	No	N/A
Trihalomethane Running Annual Average Q4	2025/10/06	24.10	µg/L	100	No	N/A

MAC = Maximum Allowable Concentration as per O. Reg. 169/03
 MDL = Method Detection Limit

Additional Legislated Samples

There were no additional legislated samples required to report during this reporting period.

Minor Maintenance

Table 9. Minor Maintenance

Item #	Description
1	Turbidity analyzer bubble trap, purchase/install
2	Free chlorine analyzer, replacement
3	Pump fault alarm cable, install/commission
4	Heater #1 thermostat failure, replace
5	Chlorine pump head, purchase/replacement

Major Maintenance Expense (above \$10,000)

Under Section 11 of O. Reg. 170/03, a description of any major expenses incurred during this reporting period to install, repair or replace required equipment must be included to install, repair or replace required equipment must be included in the annual report.

Nothing to report for the reporting period.