Ontario

Ministry of the Environment, Conservation and Parks

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Ministère de l'Environnement, de la Protection de la nature et des Parcs

District de Barrie

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June 11, 2026

Attention: Gayle Jackson - Township of Ramara CAO (GJackson@ramara.ca)

Re: Inspection of Park Lane Subdivision Drinking Water System at 7992 Park Lane Crescent in Ramara on April 29, 2026. Event Number 1-1601333243.

Attached to this letter is the report for the recent announced inspection completed at Park Lane Subdivision (DWS # 220007132) at 7992 Park Lane Crescent in Ramara on April 29, 2026, and the corresponding Incident Rating Report (IRR). This report provides an assessment of compliance and conformance based on observations and information available during the inspection review period only. This inspection report covers the period from October 1, 2025, to April 29, 2026.

Instances of non-compliance and/or non-conformance were not identified during the inspection. There are no further actions required on your part and the inspection can be considered closed.

The IRR is a summarized quantitative measure of the drinking water system's annual inspections and is published in the Ministry's Chief Drinking Water Inspector's Annual Report.

Section 19 of the Safe Drinking Water Act (Standard of Care) creates a number of obligations for individuals who exercise decision-making authority over municipal drinking water systems. Please be aware that the Ministry has encouraged such individuals, particularly municipal councilors, to take steps to be better informed about the drinking water systems over which they have decision-making authority. These steps could include asking for a copy of this inspection report and a review of its findings. Further information about Section 19 can be found in "Taking Care of Your Drinking Water: A Guide for Members of Municipal Councils" found on the Drinking Water Ontario website at www.ontario.ca/drinkingwater.

If you have any questions or concerns, please contact me by email at laura.kent@ontario.ca or by telephone at (705) 712-0962.

Sincerely,

Laura Kent

Laura Kent
Water Compliance Officer
Badge No. 1123
Tel: (705) 712-0962
Email: laura.kent@ontario.ca

CC Laura Pye, Director of Infrastructure, Township of Ramara, lpye@ramara.ca
Dyana Marks, Compliance Manager, Township of Ramara, dmarks@ramara.ca
Natalie Lamiot, Process & Compliance Technician, OCWA, nlamiot@ocwa.com
Medical Officer of Health, Simcoe Muskoka District Health Unit
Barrie District Office File, Ministry of the Environment, Conservation and Parks

PARK LANE SUBDIVISION DRINKING WATER SYSTEM
Physical Address: 7992 PARK LANE CRES,
RAMARA, ON L0K 2B0

INSPECTION REPORT

System Number:	220007132
Entity:	CORPORATION OF THE TOWNSHIP OF RAMARA
Inspection Start Date:	April 28, 2026
Site Inspection Date:	April 29, 2026
Inspection End Date:	May 27, 2026
Inspected By:	Laura Kent
Badge #:	1123

(signature)

INTRODUCTION

Purpose

This announced, detailed inspection was conducted on April 29, 2026 to confirm compliance with Ministry of the Environment, Conservation and Parks' (MECP) legislation and conformance with Ministry drinking water policies and guidelines.

Scope

The Park Lane Subdivision Drinking Water System serves an estimated population of 47 people. A total of 19 lots were connected to the drinking water system at the time of inspection. The drinking water system is owned by the Corporation of the Township of Ramara, and operated by the Ontario Clean Water Agency (OCWA). The Park Lane Subdivision Drinking Water System (DWS) is categorized as a small municipal residential drinking water system, as defined by Ontario Regulation 170/03, and operates under DWS number 220007132.
The Park Lane Subdivision Drinking Water System consists of 2 wells, treatment equipment, three distribution sample points, one in the old pumphouse and one at each end of the distribution system, along with blow offs. Treatment is provided by chlorination for primary and secondary disinfection. In April 2016 a 63 m3 capacity standpipe was installed to achieve contact time prior to water being directed to the distribution system. Sodium hypochlorite is also used for iron oxidation and potassium permanganate is used for iron and manganese oxidation. Green sand filters filter out the oxidized iron and manganese. There are no storage structures within the distribution system. The distribution system consists of approximately 360 m of 50 mm diameter polyethylene watermain.
This inspection was conducted pursuant to section 81 of the Safe Drinking Water Act in order to assess compliance with the requirements of Ontario Regulation 170/03 and Ministry control documents. The drinking water inspection included: physical inspections of the treatment equipment and facility; interviews with OCWA staff and a review of relevant documents and data from the period of October 1, 2025 to April 29, 2026 (hereafter referred to as the "inspection review period"). The previous inspection of the Park Lane Subdivision Drinking Water System was conducted on October 1, 2025.

Facility Contacts and Dates

The Park Lane Subdivision drinking water system is owned by the Township of Ramara and operated by the Ontario Clean Water Agency (OCWA). The system serves an estimated population of 47 and is categorized as a Small Municipal Residential Drinking Water System under Ontario Regulation 170/03. Information reviewed for this inspection covered the time period of October 1, 2025 to April 29, 2026.

Systems/Components

WELL#1

Well #1 is a drilled well located in the old water works building at 7992 Park Lane Crescent, 35 m east of the water works building. The well and former pumphouse are situated within a residential subdivision approximately 230 metres from the Black River. The well is located in an area which is unlikely to be susceptible to flooding, and the contour of the immediately adjacent properties is such that surface water would be directed away from the former pumphouse.
The well was constructed in 1973 by Snider Drilling of Craighurst (License No. 4816). The well is 61 metres deep and is constructed in a crystalline bedrock aquifer which is under confined artesian conditions. The well is constructed with 3.1 metres of 178 millimetre diameter casing grouted into the rock. The well is equipped with a submersible deep well pump installed in the well at 45.7 m deep and capable of pumping 68 L/min with a 50 mm diameter discharge line.
The above grade connection is made by a pitless adapter, making the well more accessible for inspection. The well cap is aluminium, bolted and locked to the casing, screened, sealed and vermin proof. The casing extends approximately 50 cm above the floor of the former pumphouse.

WELL#2

Well #2 is a drilled well located approximately 5 m north of the water works building at 7995 Park Lane Crescent. Well #2 is situated within a residential subdivision approximately 230 metres from the Black River. The well is located in an area which is unlikely to be susceptible to flooding, and the contour of the immediately adjacent land is such that water would be directed away from the well casing.
The well is 75.4 m deep and 150 mm diameter. The well is equipped with a submersible deep well pump at 20 m, capable of pumping 66 L/min with a 50 mm diameter discharge line.
Well #2 is constructed in a crystalline bedrock aquifer which is under confined artesian conditions. The well was drilled in 2002 by Baldwin Well Drilling of Kirkfield. The casing is set to 12 metres deep, and the annulus was reportedly sealed with Benseal grout to a similar depth.
The below grade connection is made by a pitless adapter. The well cap is secure and locked to the casing, screened, sealed and vermin proof. The casing extends approximately 55 centimeters above grade.

PUMPHOUSE

Raw water from Wells #1 and #2 enter the pumphouse through two separate 50 millimeter raw water headers. Each raw water header is equipped with an ABB magnetic flow meter used for measuring raw water flows and a smoothbore raw water sample tap. A pre-chlorination system is connected to each raw water header, assisting with iron and manganese oxidation prior to filtration. After passing through the flow meters the water then combines into a single header

where it passes through another flow meter that controls the sodium hypochlorite injection system. Two 453 litre hydropneumatics pressure tanks maintain pressure in the piping when the well pumps are off.
The iron and manganese removal system consists of a 60 litre solution tank in a secondary containment basin, two potassium permanganate metering pumps (one duty, one standby) complete with 4-20 mA control, automatic switchover and contact outputs for alarm notification of duty pump failure, and two feed lines discharging into the combined pre-treated water header upstream of an inline mixer. After being dosed with potassium permanganate and sodium hypochlorite, the water enters two automatic green sand filters, each capable of treating the entire design flow, each complete with diaphragm control/isolation valves, check valves and inspection portals. The filter system is equipped with one backwash pump and a 13,500 litre concrete backwash waste holding tank that discharges supernatant to a ditch east of the pumphouse by a ¼ horsepower pump set 0.3 metres above the tank floor. Settled solids are removed as required. Wastewater is held for 12 hours to settle out the solids prior to discharge.
The sodium hypochlorite disinfection system consists of one 60 litre chemical storage tank with secondary containment and two chemical metering pumps (one duty, one stand-by) complete with 4-20 mA control, automatic switchover and contact outputs for alarm notification of duty pump failure, and two feed lines discharging into the filtered water line. After being dosed, the water enters a 63 m3 standpipe, providing 100 minutes of effective chlorine contact time for worst case scenario or low standpipe level and a flow rate above the rated capacity, prior to the first consumer.
Before discharging to the distribution system, the treated water passes through an ABB magnetic flow meter. In addition, the pumphouse is equipped with continuous chlorine residual and turbidity analysers powered by an uninterruptible power supply, as well as a smooth bore threaded water sampling tap which are fed water from a point after the contact time and prior to leaving the pumphouse for the distribution system. The pumphouse is also wired with a 24 hour alarm system which continuously monitors illegal entry, power interruptions, low temperature and low pressure as well as treated water quality for turbidity and free available chlorine residuals, low and high reservoir levels and chlorine pump failure.

A 20 kilowatt standby propane powered generator is able to supply power for all necessary equipment to maintain supply of the drinking water in the event of electrical supply disruption.

DISTRIBUTION

The Park Lane Subdivision distribution system is fully developed and services 19 lots. The drinking water system is categorized as a Small Municipal Residential system as defined by Ontario Regulation 170/03. The distribution system is comprised of approximately 360 metres of 50 millimeter poly-vinyl chloride watermain, isolation valves, two blow-offs and three designated sampling stations.

Permissions/Approvals

The Park Lane Subdivision drinking water system (DWS) was subject to specific conditions contained within the following permissions and/or approvals at the time of the inspection in addition to the requirements of the SDWA and its regulations:
- Municipal Drinking Water License 147-102 Issue Number 5 issued on September 22, 2022 and Drinking Water Works Permit 147-202 Issue Number 4 issued on February 4, 2022.

Background and Compliance

No on-going or previous compliance issues associated with the Park Lane Subdivision Drinking Water System.

NON-COMPLIANCE

This should not be construed as a confirmation of full compliance with all potential applicable legal requirements. These inspection findings are limited to the components and/or activities that were assessed, and the legislative framework(s) that were applied. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

If you have any questions related to this inspection, please contact the signed Provincial Officer.

RECOMMENDATIONS

This should not be construed as a confirmation of full conformance with all potential applicable BMPs. These inspection findings are limited to the components and/or activities that were assessed, and the legislative framework(s) that were applied. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

If you have any questions related to this inspection, please contact the signed Provincial Officer.

Inspection Summary Rating Record (Reporting Year – 2026-2027)

DWS Name:	PARK LANE SUBDIVISION DRINKING WATER SYSTEM
DWS Number:	220007132
DWS Owner:	RAMARA
Municipal Location:	RAMARA
Regulation:	O. Reg. 170 / 03
Category:	
Type of Inspection:	Detailed
Inspection Date:	May-27-2026
Ministry Office:	Barrie District Office

Maximum Question Rating: 312

Inspection Module	Non-Compliance Rating
Capacity Assessment	0/20
Certification and Training	0/41
Effluent Quality and Quantity	0/3
Logbooks	0/28
Operations Manuals	0/14
Reporting & Corrective Actions	0/4
Source	0/16
Treatment Processes	0/105
Water Quality Monitoring	0/81
Overall - Calculated	**0/312**

Inspection Risk Rating:	**0.00%**
Final Inspection Rating:	**100.00%**

DWS Name:	PARK LANE SUBDIVISION DRINKING WATER SYSTEM
DWS Number:	220007132
DWS Owner:	RAMARA
Municipal Location:	RAMARA
Regulation:	O. Reg. 170 / 03
Category:	
Type of Inspection:	Detailed
Inspection Date:	May-27-2026
Ministry Office:	Barrie District Office

Maximum Question Rating: 312

Inspection Risk Rating:	**0.00%**

Final Inspection Rating:	**100.00%**

INSPECTION DETAILS

This section includes all questions that were assessed during the inspection.

Ministry Program: DRINKING WATER | **Regulated Activity:** DW Municipal Residential

Question ID	DWMR1007001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 1-2 | (1)1;

Question:
Was the owner maintaining the production well(s) in a manner sufficient to prevent entry into the well of surface water and other foreign materials?

Compliance Response(s)/Corrective Action(s)/Observation(s):
The owner was maintaining the production well(s) in a manner sufficient to prevent entry into the well of surface water and other foreign materials.

Subsection 1-2. (1) 1. of Schedule 1 of Ontario Regulation 170/03 requires that the owner of a drinking water system shall ensure that any well that serves as an entry point of raw water supply is constructed and maintained to prevent surface water and other foreign materials from entering the well.
There are two supply wells for Park Lane Subdivision Drinking Water System. Each of the wells has a secure cap and screened vent. Both production wells extend above grade and comply with the minimum height requirements set out in Ontario Regulation 903. One well is located inside the former pumphouse across the road from the treatment building and the other well is located outside of the treatment building and is protected from vehicular traffic. The surrounding land slopes away from the exterior well, and there is no indication of water ponding in the area.
During the inspection review period Operators performed monthly inspections of both wells. Raw water samples were collected from each of the wells each month during the inspection review period. All sample results were zero for total coliform and Escherichia coli.

Question ID	DWMR1009001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Were measures in place to protect the groundwater and/or GUDI source in accordance with the Municipal Drinking Water Licence and Drinking Water Works Permit?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Measures were in place to protect the groundwater and/or GUDI source.

Pursuant to Conditions 16.2.8 to 16.2.10 of Schedule B of Municipal Drinking Water Licence 147-102 (Issue 5), the Park Lane Subdivision Operations Manual must include:

• Condition 16.2.8: An inspection schedule for all wells associated with the drinking water system, including production, standby, test, and monitoring wells.
• Condition 16.2.9: Inspection and maintenance procedures for the entire well structure of each well, covering all above- and below-grade components.
• Condition 16.2.10: Remedial action plans for instances where inspections identify non-compliance with regulatory requirements or potential risks to raw well water quality.

To meet these conditions, the Owner and Operating Authority have incorporated a dedicated section on well maintenance and inspections in the Operations Manual. This includes routine inspections of both above and below grade components.

Question ID	DWMR1014001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Was flow monitoring performed as required by the Municipal Drinking Water Licence or Drinking Water Works Permit?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Flow monitoring was performed as required.

Pursuant to Condition 2.1 of Schedule C of Municipal Drinking Water Licence 147-102 Issue Number 5, the Owner is required to undertake continuous flow measurement and recording of both the flow rate and daily volume of treated water entering the distribution system, as well as the daily volume of water entering the treatment subsystem. To meet this requirement, the Park Lane Drinking Water System is equipped with a flow meter on each of the two raw water headers, the combined raw water line and a treated water flow meter is located on the line from the reservoir prior to entering the distribution system. Each meter is fitted with a bypass line to allow for maintenance.
Flow monitoring data is collected through the SCADA system and is actively monitored by operators.

Question ID	DWMR1015001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Were flow measuring devices calibrated or verified in accordance with the requirements of the Municipal Drinking Water Licence?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Flow measuring devices were calibrated or verified as required.

Condition 3 of Schedule C of Municipal Drinking Water Licence 147-102 Issue Number 5 requires that all flow measuring devices that are required by regulation, by a condition in the

drinking water works permit 147-202, or by a condition otherwise imposed by the Ministry, shall be checked and where necessary calibrated in accordance with the manufacturer's instructions. If the manufacturer's instructions do not indicate how often to check and calibrate a flow measuring device, the equipment shall be checked and where necessary calibrated at least once every 12 months during which the drinking water system is in operation. Annual calibrations are to occur not more than 30 days after the first anniversary of the day the equipment was checked and calibrated in the previous 12-month period.
During the inspection review period the four flow meters installed in the Park Lane Subdivision treatment building were calibrated on January 8, 2026. All flow meters were left in a 'pass' condition. The previous calibrations had occurred in January 2025.

Question ID	DWMR1016001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Was the owner in compliance with the conditions associated with maximum flow rate or the rated/operational capacity in the Municipal Drinking Water Licence?

Compliance Response(s)/Corrective Action(s)/Observation(s):
The owner was in compliance with the conditions associated with maximum flow rate and/or the rated/operational capacity conditions.

Condition 2.3 of Schedule C of Municipal Drinking Water Licence 147-102 Issue Number 5 requires that where a rated capacity from Table 1 or a maximum flow rate from Table 2 is exceeded, a record be made of the difference between the measured amount and the applicable rated capacity or maximum flow rate, the time and date of the measurement, the reason for the exceedance and the duration of time that lapses between the applicable rated capacity or maximum flow rate being exceeded and the next measurement where the applicable rated capacity or maximum flow rate is no longer exceeded.
Park Lane Subdivision Drinking Water System records flow data as required. Flow data is captured every minute by the SCADA system. A daily summary is generated that includes the minimum, maximum and average values, as well as a snapshot from approximately six am. Operators have remote access to the SCADA system. During the inspection review period there were no exceedances of the rated capacity or maximum flow rate.

Question ID	DWMR1017001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Were appropriate records of flows and any capacity exceedances made in accordance with the Municipal Drinking Water Licence?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Appropriate records of flows and any capacity exceedances were made as required.

Condition 2.3 of Schedule C of Municipal Drinking Water Licence 147-102 Issue Number 5 requires that where a rated capacity from Table 1 or a maximum flow rate from Table 2 is exceeded, a record be made of the difference between the measured amount and the applicable rated capacity or maximum flow rate, the time and date of the measurement, the reason for the exceedance and the duration of time that lapses between the applicable rated capacity or maximum flow rate being exceeded and the next measurement where the applicable rated capacity or maximum flow rate is no longer exceeded.
Park Lane Subdivision Drinking Water System records flow data as required. During the inspection review period there were no exceedances of the rated capacity or maximum flow rate.

Question ID	DWMR1018001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Did the owner ensure that equipment was installed in accordance with Schedule A and Schedule C of the Drinking Water Works Permit?

Compliance Response(s)/Corrective Action(s)/Observation(s):
The owner ensured that equipment was installed as required.

At the time of inspection the installed equipment at the Park Lane Subdivision pumphouse appeared to be installed as per the description in Schedule A of Drinking Water Works Permit 147-202 Issue Number 4, dated February 4, 2022. Schedule C of the Drinking Water Works Permit lists the standpipe and other upgrades done in 2015 and has archived status.

Question ID	DWMR1028001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Were up-to-date plans for the drinking water system made available in such a manner that they could be readily viewed by all persons responsible for all or part of the operation of the drinking water system, in accordance with the Drinking Water Works Permit and Municipal Drinking Water Licence?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Plans for the drinking water system were kept up-to-date and made available as required.

Condition 15.3 of Schedule B of Municipal Drinking Water Licence 147-102 Issue Number 5 requires that process flow diagrams and process and instrumentation diagrams for any treatment subsystem shall be kept in a place, or made available in such a manner, that they may be readily viewed by all persons responsible for all or part of the operation of the drinking water system.
Process drawings and plans of the treatment works and distribution system are kept onsite in

the treatment building, at the office and are also available electronically to operators.

Question ID	DWMR1025001	Question Type	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Were all parts of the drinking water system that came in contact with drinking water disinfected in accordance with a procedure listed in Schedule B of the Drinking Water Works Permit?

Compliance Response(s)/Corrective Action(s)/Observation(s):
All parts of the drinking water system were disinfected as required.

Pursuant to Section 2.3 of Schedule B of Drinking Water Works Permit 147-202 Issue Number 4 all parts of the drinking water system in contact with drinking water that are added, modified, replaced, extended shall be disinfected in accordance with a procedure approved by the Director or in accordance with the applicable provisions of the following documents:

- The Ministry's Watermain Disinfection Procedure (August 1, 2020);
- Any updated version of the Watermain Disinfection Procedure, subject to Condition 2.3.2;
- AWWA C652 – Standard for Disinfection of Water-Storage Facilities;
- AWWA C653 – Standard for Disinfection of Water Treatment Plants;
- AWWA C654 – Standard for Disinfection of Wells.

All applicable components of the Park Lane Drinking Water System are disinfected in accordance with these procedures when required. The Operations Manual outlines the requirements stipulated in the Drinking Water Works Permit.
During the inspection review period repairs were made to the Well 1 supply line in January and April 2026. During both repairs the logbook noted that all parts used in the repair process were soaked and disinfected with 1% sodium hypochlorite solution.

Question ID	DWMR1023001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 1-2 | (2);

Question:
Did records indicate that the treatment equipment was operated in a manner that achieved the design capabilities prescribed by O. Reg. 170/03, Drinking Water Works Permit and/or Municipal Drinking Water Licence at all times that water was being supplied to consumers?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Records indicated that the treatment equipment was operated in a manner that achieved the design capabilities prescribed.

Pursuant to Section 1-3 of Schedule 1 of Ontario Regulation 170/03, the Owner of a drinking water system that sources water from groundwater is required to ensure the provision of

treatment equipment capable of achieving primary disinfection at all times. This must be in accordance with the Ministry's Procedure for Disinfection of Drinking Water in Ontario, including achieving at least 99 percent removal or inactivation of viruses before water enters the distribution system.

Based on the continuously recorded and manually sampled data provided by the Operating Authority and reviewed during this inspection, it appears that the Park Lane Subdivision Drinking Water System consistently met the required level of treatment throughout the inspection review period. Adequate contact time is provided through the 63 m3 standpipe, and treatment reliability is supported by auxiliary and duty chemical feed pumps with automatic switchover in the event of pump failure. Additional safeguards include alarms for high and low chlorine residuals, high and low reservoir levels and high raw flows. All of these alarms call out the duty operator. Critical alarms are tested regularly.

Question ID	DWMR1027001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Did the owner have evidence indicating that chemicals and materials that came in contact with water within the drinking water system met all applicable AWWA and ANSI standards in accordance with the Municipal Drinking Water Licence and Drinking Water Works Permit?

Compliance Response(s)/Corrective Action(s)/Observation(s):
The owner had evidence indicating that chemicals and materials that came in contact with water within the drinking water system met the applicable standards.

Condition 14.1 of Schedule B of Municipal Drinking Water Licence 147-102 Issue Number 5 requires that all chemicals and materials used in the alteration or operation of the drinking water system that come into contact with water within the system shall meet all applicable standards set by both the American Water Works Association ("AWWA") and the American National Standards Institute ("ANSI") safety criteria standards NSF/60, NSF/61 and NSF/372.

During the inspection review period chemicals used in the treatment of drinking water at Park Lane Subdivision Drinking Waster System were sodium hypochlorite and potassium permanganate. Both chemicals met the applicable safety standards.

Question ID	DWMR1024001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 1-2 | (2);

Question:
Did records confirm that the water treatment equipment which provides chlorination or chloramination for secondary disinfection was operated as required?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Records confirmed that the water treatment equipment which provides chlorination or chloramination for secondary disinfection was operated as required.

Pursuant to Subsection 1-2 (2), paragraph 4 of Schedule 1 of Ontario Regulation 170/03, where chlorination is used for secondary disinfection, the Owner must ensure that the equipment is operated in a manner that maintains a free chlorine residual of no less than 0.05 milligrams per litre at all times and at all locations within the distribution system.
A review of operational records for the inspection review period confirmed that free chlorine residuals within the Park Lane Subdivision distribution system consistently met this requirement, with no recorded values falling below the prescribed minimum. At the time of inspection the inspector measured the chlorine residual at the sample station located in the former pumphouse with a result of 0.88 mg/L.

Question ID	DWMR1034001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 7-2 | (5); SDWA | O. Reg. 170/03 | 7-2 | (6);

Question:
Was secondary disinfectant residual tested as required for the small municipal residential distribution system?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Secondary disinfectant residual was tested as required.

Subsections 7-2 (5) and (6) of Schedule 7 of Ontario Regulation 170/03 require that the owner of a small municipal residential system that provides secondary disinfection and the operating authority for the system, shall ensure that at least two distribution samples are taken each week and are tested immediately for free chlorine residual, if the system provides chlorination. At least one of the distribution samples must be taken at least 48 hours after, and during the same week as, one of the other distribution samples.
During the inspection review period at least two chlorine residuals were measured in the Park Lane Subdivision distribution system each week, with at least 48 hours between the samples taken in each week.
The maximum chlorine residual measured in the Park Lane Subdivision distribution system during the inspection review period was 2.03 mg/L and the minimum was 0.88 mg/L. As part of the inspection, the inspector took a chlorine residual in the distribution system in the former pumphouse. The result was 0.88 mg/L free chlorine residual.

Question ID	DWMR1036001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 6-7 | (1);

Question:
Where continuous monitoring equipment was not used for chlorine residual analysis, were samples tested using an acceptable portable device?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Samples for chlorine residual analysis were tested using an acceptable portable device.

Subsection 6-7. (1) of Schedule 6 of Ontario Regulation 170/03 requires that if a water sample is required to be taken and tested for free chlorine residual, the owner of the drinking water system and the operating authority for the system shall ensure that the testing is conducted using an electronic direct readout colourimetric or amperometric chlorine analyzer. Operators used appropriate electronic direct readout colourimetric chlorine analyzers for all chlorine residuals not measured by continuous monitoring equipment during the inspection review period.

Question ID	DWMR1030001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 7-2 | (1); SDWA | O. Reg. 170/03 | 7-2 | (2);

Question:
Was primary disinfection chlorine monitoring being conducted at a location approved by Municipal Drinking Water Licence and/or Drinking Water Works Permit or at/near a location where the intended CT had just been achieved?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Primary disinfection chlorine monitoring was conducted as required.

Pursuant to Subsection 7-2 (1) of Schedule 7 of Ontario Regulation 170/03, drinking water systems that utilize chlorination for primary disinfection are required to have continuous monitoring equipment in place to sample and test free chlorine residuals at or near the point where the intended contact time has just been achieved, in accordance with the Ministry's Procedure for Disinfection of Drinking Water in Ontario.
In the Park Lane Subdivision Drinking Water System, a continuous chlorine residual analyser is installed within the treatment building. This analyser is supplied water via a dedicated line from the point of entry to the distribution system – immediately downstream of the standpipe reservoir – ensuring that monitoring occurs at the location where the required contact time has been completed.

Question ID	DWMR1035001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 6-5 | (1)1-4;

Question:
Were operators examining continuous monitoring test results and did they examine the results within 72 hours of the test?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Operators were examining continuous monitoring test results as required.

Pursuant to Subsection 6-5 (1) 3 of Schedule 6 of Ontario Regulation 170/03, test results

recorded under paragraph 1 or 2 must be reviewed by a certified operator within 72 hours of the tests being conducted.

During the inspection review period, continuous monitoring test results were consistently reviewed by certified operators within the required 72-hour timeframe. The Operating Authority maintains a spreadsheet for the completion of the review of continuous monitoring test results, which the inspector reviewed.

Question ID	DWMR1038001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 6-5 | (1)1-4;

Question:
Was continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements performing tests for the parameters with at least the minimum frequency and recording data with the prescribed format?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Continuous monitoring equipment that was being utilized to fulfill O. Reg. 170/03 requirements was performing tests for the parameters with at least the minimum frequency and recording data with the prescribed format.

Pursuant to Subsection 6-5 (1) of Schedule 6 of Ontario Regulation 170/03, continuous monitoring equipment used for sampling and testing parameters listed in the Table included in Schedule 6 must meet specific performance standards. For the Park Lane Subdivision Drinking Water System, this requirement applies to the continuous chlorine analyser used to monitor free chlorine residuals for primary disinfection at or near the point where the intended contact time is achieved.
Specifically, paragraph 1, subparagraph i of Subsection 6-5 (1), along with the associated Table, requires that the analyser measure free chlorine residual at a minimum frequency of once every five minutes.
Chlorine residual values are captured every minute by the SCADA system. A daily summary is generated that includes the minimum, maximum and average values, as well as a snapshot from approximately six am. Operators have remote access to the SCADA system.

Question ID	DWMR1037001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 6-5 | (1)5-10; SDWA | O. Reg. 170/03 | 6-5 | (1.1);

Question:
Were all continuous monitoring equipment utilized for sampling and testing required by O. Reg. 170/03, or Municipal Drinking Water Licence or Drinking Water Works Permit or order, equipped with alarms or shut-off mechanisms that satisfied the standards described in Schedule 6?

Compliance Response(s)/Corrective Action(s)/Observation(s):
All required continuous monitoring equipment utilized for sampling and testing were equipped with alarms or shut-off mechanisms that satisfied the standards

Pursuant to Subsection 6-5 (1), paragraph 5i, and Subsection 6-5 (1.1), paragraph 1 of Schedule 6 of Ontario Regulation 170/03, continuous monitoring equipment used for sampling and testing under the regulation must meet specific performance standards.

To comply with these requirements, the Owner has installed a continuous chlorine analyzer to monitor free available chlorine residual at or near the point where the intended contact time for primary disinfection is achieved. This analyzer is integrated with the SCADA system and is configured to trigger alarms to the on-call operator in the event of high or low chlorine residual levels, ensuring timely response and operational oversight. The low chlorine alarm level is set at a point to afford an Operator time to respond before primary disinfection would be compromised.

Question ID	DWMR1040001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 6-5 | (1)1-4; SDWA | O. Reg. 170/03 | 6-5 | (1)5-10;

Question:
Were all continuous analysers calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation?

Compliance Response(s)/Corrective Action(s)/Observation(s):
All continuous analysers were calibrated, maintained, and operated as required.

Pursuant to Subsection 6-5 (1), paragraph 8 of Schedule 6 of Ontario Regulation 170/03, continuous monitoring equipment must be checked and calibrated in accordance with the manufacturer's instructions. Additionally, Subsection 6-5 (1), paragraph 10 requires that where the manufacturer does not specify a calibration frequency and paragraph 9 does not apply, the equipment must be checked and calibrated as often as necessary to ensure test results remain within the following margins of error:

• For free chlorine residuals: ±0.05 mg/L when concentrations are ≤1.0 mg/L, and proportionally higher for concentrations >1.0 mg/L.

• For free and total chlorine residuals used to determine combined chlorine: the same margin of ±0.05 mg/L applies under the same conditions.

Further, Condition 4.1 of Schedule C of Drinking Water Licence 147-102 Issue Number 5 requires that any measuring instrumentation used for CT monitoring be checked and, if necessary, calibrated at least once every 12 months, or more frequently if specified by the manufacturer. Subsection 4.1.1 clarifies that this calibration must occur no more than 30 days after the anniversary of the previous calibration date.

To meet these requirements operational staff perform multiple comparisons of the free chlorine residual reading measured by the continuous chlorine residual analyzer and a portable handheld colorimetric device. If a comparison reveals significant discrepancies, the analyzers are adjusted, usually if more than 0.05 mg/L. Operators perform monthly

preventative maintenance on the analysers which includes cleaning and changing the electrolyte where required. The continuous analysers are calibrated annually as per the manufacturer's recommendations. During the inspection review period the continuous chlorine anlyser and two hand held colorimeters were calibrated in January 2026. All maintenance, testing, comparison and calibration activities are documented.

Question ID	DWMR1099001	Question Type	Information

Legislative Requirement(s):
Not Applicable

Question:
Do records show that water provided by the drinking water system met the Ontario Drinking Water Quality Standards?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Records showed that all water sample results met the Ontario Drinking Water Quality Standards.

All sample results from the inspection review period as well as the most recent sample results for Schedule 23 and Schedule 24 parameters met the Ontario Drinking Water Quality Standards under Ontario Regulation 169/03.

Question ID	DWMR1080001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 11-3 | (1); SDWA | O. Reg. 170/03 | 11-3 | (3);

Question:
Were raw water microbiological sampling requirements prescribed by Schedule 11-3 of O. Reg. 170/03 for small municipal residential systems met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Raw water microbiological sampling requirements were met.

Section 11-3 of Schedule 11 of Ontario Regulation 170/03 requires that if a drinking water system obtains water from a raw water supply that is ground water, the owner of the system and the operating authority for the system shall ensure that a water sample is taken at least once every month from the raw water in each well that is supplying water to the system, before any treatment is applied to the water and be tested for Escherichia coli and total coliforms.
During the inspection review period raw water samples were collected from both Well 1 and Well 2 each month and tested for Escherichia coli and total coliforms. All results were zero for both parameters in all samples.

Question ID	DWMR1082001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 11-2 | (1); SDWA | O. Reg. 170/03 | 11-2 | (2); SDWA | O. Reg.

170/03 | 11-2 | (6);

Question:
Were distribution microbiological sampling requirements prescribed by Schedule 11-2 of O. Reg. 170/03 for small municipal residential systems met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Distribution microbiological sampling requirements were met.

Pursuant to Subsection 11-2 of Schedule 11 of Ontario Regulation 170/03, the Owner and Operating Authority of a small municipal residential drinking-water system shall ensure that at least one distribution sample is taken every two weeks, if the system provides treatment equipment in accordance with Schedule 1 and the equipment is operated in accordance with that Schedule, such as the Park Lane Subdivision Drinking Water System. Each of the samples must be tested for Escherichia coli, total coliforms and general bacteria population expressed as colony counts on a heterotrophic plate count (HPC).
During the inspection review period microbiological samples were collected from the Park Lane Subdivision distribution system and sampled for all required parameters every two weeks as required.

Question ID	DWMR1096001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 6-3 | (1);

Question:
Did records confirm that chlorine residual tests were conducted at the same time and location as microbiological samples?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Records confirmed that chlorine residual tests were conducted as required.

Pursuant to subsection 6-3(1) of Schedule 6 of Ontario Regulation 170/03, where a water sample is required to be collected and analyzed for a microbiological parameter, the owner and operating authority of the drinking water system must ensure that an additional sample is taken concurrently from the same location and is immediately tested for free chlorine residual, provided that the system employs chlorination.

Records reviewed confirm that disinfectant residual measurements were obtained concurrently with the collection of treated and distribution microbiological samples collected during the inspection review period.

Question ID	DWMR1084001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 13 | (1); SDWA | O. Reg. 170/03 | 13 | (2); SDWA | O. Reg. 170/03 | 13 | (3);

Question:
Were inorganic parameter sampling requirements prescribed by Schedule 13-2 of O. Reg. 170/03 met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Inorganic parameter sampling requirements were met.

Pursuant to Subsection 13-2(3) of Schedule 13 of Ontario Regulation 170/03, the Owner and Operating Authority of a small municipal residential drinking-water system must ensure that a treated water sample is collected every 60 months and tested for all parameters listed in Schedule 23 of Ontario Regulation 170/03.
During the inspection review period inorganic parameter sampling did not take place, nor was it required. The most recent Schedule 23 samples from the Park Lane Subdivision Drinking Water System were collected and submitted to an accredited laboratory for analysis on August 7, 2024.

Question ID	DWMR1085001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 13-4 | (1); SDWA | O. Reg. 170/03 | 13-4 | (2); SDWA | O. Reg. 170/03 | 13-4 | (3);

Question:
Were organic parameter sampling requirements prescribed by Schedule 13-4 of O. Reg. 170/03 met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Organic parameter sampling requirements were met.

Pursuant to Subsection 13-4. (3) of Schedule 13 of Ontario Regulation 170/03, the Owner and Operating Authority of a small municipal residential drinking-water system must ensure that a treated water sample is collected every 60 months and tested for all parameters listed in Schedule 24 of Ontario Regulation 170/03.
During the inspection review period Schedule 24 parameter sampling did not take place, nor was it required. The most recent Schedule 24 samples from the Park Lane Subdivision Drinking Water System were collected and submitted to an accredited laboratory for analysis on August 7, 2024.

Question ID	DWMR1086001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 13-6.1 | (1); SDWA | O. Reg. 170/03 | 13-6.1 | (2); SDWA | O. Reg. 170/03 | 13-6.1 | (3); SDWA | O. Reg. 170/03 | 13-6.1 | (4); SDWA | O. Reg. 170/03 | 13-6.1 | (5); SDWA | O. Reg. 170/03 | 13-6.1 | (6);

Question:
Were haloacetic acid sampling requirements prescribed by Schedule 13-6 of O. Reg. 170/03 met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Haloacetic acid sampling requirements were met.

Pursuant to Section 13-6.1 of Schedule 13 of Ontario Regulation 170/03, the Owner and Operating Authority of a drinking water system that uses chlorination or chloramination must ensure that at least one distribution system sample is collected in each calendar quarter from a location within the distribution system - or connected plumbing - where the potential for the formation of haloacetic acids (HAAs) is likely to be elevated. These samples must be tested for HAAs.

During the inspection review period, HAA samples from the Park Lane Subdivision Drinking Water System distribution system were collected on November 3, 2025 and February 4, 2026. The HAA results during the inspection review period were 41.4 ug/L and 58.1 ug/L.

Question ID	DWMR1087001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 13-6 | (1); SDWA | O. Reg. 170/03 | 13-6 | (2); SDWA | O. Reg. 170/03 | 13-6 | (3); SDWA | O. Reg. 170/03 | 13-6 | (4); SDWA | O. Reg. 170/03 | 13-6 | (5); SDWA | O. Reg. 170/03 | 13-6 | (6);

Question:
Were trihalomethane sampling requirements prescribed by Schedule 13-6 of O. Reg. 170/03 met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Trihalomethane sampling requirements were met.

Pursuant to Subsections 13-6(1) and 13-6(2) of Schedule 13 of Ontario Regulation 170/03, the Owner and Operating Authority of a drinking water system that uses chlorination must ensure that at least one distribution system sample is collected in each calendar quarter. The sample must be taken from a location within the distribution system - or connected plumbing - where the potential for the formation of trihalomethanes (THMs) is likely to be elevated and must be tested for THMs.

During the inspection review period THM samples from the Park Lane Subdivision Drinking Water System distribution system were collected on November 3, 2025, and February 4, 2026, and submitted to an accredited laboratory for analysis.
The THM results during the inspection review period were 63 ug/L and 66 ug/L.

Question ID	DWMR1088001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 13-7;

Question:
Were nitrate/nitrite sampling requirements prescribed by Schedule 13-7 of O. Reg. 170/03 met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Nitrate/nitrite sampling requirements were met.

Pursuant to subsection 13-7 of Schedule 13 to Ontario Regulation 170/03, a municipality is required to ensure that at least one water sample is collected and analyzed for nitrate and nitrite every three months. Additionally, subsection 6-1.1(4) of Schedule 6 prescribes that such samples must be collected no earlier than 60 days and no later than 120 days following the date on which the previous sample for nitrate and nitrite was taken during the preceding three-month period or calendar quarter.

During the inspection review period nitrate/nitrite samples from the Park Lane Subdivision Drinking Water System were collected and submitted to an accredited laboratory for analysis as required on November 3, 2025, and February 4, 2026.

Question ID	DWMR1089001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 13-8;

Question:
Were sodium sampling requirements prescribed by Schedule 13-8 of O. Reg. 170/03 met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Sodium sampling requirements were met.

Pursuant to subsection 13-8 of Schedule 13 of Ontario Regulation 170/03, a municipality and operating authority are required to ensure that at least one water sample is collected and analyzed for sodium content within every 60-month period. Additionally, subsection 6-1.1(7) of Schedule 6 prescribes that such sodium sampling must occur no more than 90 days before or after the fifth anniversary of the date on which the previous sodium sample was collected within the preceding 60-month period.

During the inspection review period a sodium sample from the Park Lane Subdivision Drinking Water System was not collected or required. The most recent sodium sample was collected on August 5, 2025, and submitted to an accredited laboratory for analysis. A resample for sodium was collected on August 11, 2025. Sodium levels above 20 mg/L are an ongoing issue for the Park Lane Subdivision Drinking Water System.

Question ID	DWMR1090001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 13-9;

Question:
Where fluoridation is not practiced, were fluoride sampling requirements prescribed by Schedule 13-9 of O. Reg. 170/03 met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Fluoride sampling requirements were met.

Pursuant to subsection 13-9 of Schedule 13 of Ontario Regulation 170/03, a municipality and operating authority is required to ensure that at least one water sample is collected and analyzed for fluoride within every 60-month period. Furthermore, subsection 6-1.1(7) of Schedule 6 prescribes that such a fluoride sample must be taken no fewer than 90 days before or after the fifth anniversary of the date on which the previous fluoride sample was collected within the preceding 60-month interval.

During the inspection review period a fluoride sample from the Park Lane Subdivision Drinking Water System was not collected or required. The most recent fluoride sample from the Park Lane Subdivision Drinking Water System collected on August 3, 2022, and submitted to an accredited laboratory for analysis.

Question ID	DWMR1092001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 6-2;

Question:
Were water samples taken at the prescribed location?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Water samples were taken at the prescribed location.

Section 6-2 of Schedule 6 of Ontario Regulation 170/03 requires that unless otherwise specified, a person who is required to ensure that samples are taken under this Regulation shall ensure that they are taken from the point at which water enters the drinking water systems' distribution system.
All samples collected during the inspection review period from the Park Lane Subdivision Drinking Water System were collected at the required location for the required parameters, including distribution, treated and raw water samples.

Question ID	DWMR1095001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 15.1-10; SDWA | O. Reg. 170/03 | 15.1-4 | (1); SDWA | O. Reg. 170/03 | 15.1-5 | (1); SDWA | O. Reg. 170/03 | 15.1-5 | (10); SDWA | O. Reg. 170/03 | 15.1-5 | (11); SDWA | O. Reg. 170/03 | 15.1-5 | (2); SDWA | O. Reg. 170/03 | 15.1-5 | (3); SDWA | O. Reg. 170/03 | 15.1-5 | (4); SDWA | O. Reg. 170/03 | 15.1-5 | (5); SDWA | O. Reg. 170/03 | 15.1-5 | (6); SDWA | O. Reg. 170/03 | 15.1-5 | (7); SDWA | O. Reg. 170/03 | 15.1-5 | (8); SDWA | O. Reg. 170/03 | 15.1-5 | (9); SDWA | O. Reg. 170/03 | 15.1-7 | (1); SDWA | O. Reg. 170/03 | 15.1-7 | (2); SDWA | O. Reg. 170/03 | 15.1-7 | (3); SDWA | O. Reg. 170/03 | 15.1-7 | (4); SDWA | O. Reg. 170/03 | 15.1-9 | (1); SDWA | O. Reg. 170/03 | 15.1-9 | (2); SDWA | O. Reg. 170/03 | 15.1-9 | (3); SDWA | O. Reg. 170/03 | 15.1-9 | (4); SDWA | O. Reg. 170/03 | 15.1-9 | (5); SDWA | O. Reg. 170/03 | 15.1-9 | (6); SDWA | O. Reg. 170/03 | 15.1-9 | (7); SDWA | O. Reg. 170/03 | 15.1-9 | (8); SDWA | O. Reg. 170/03 | 15.1-9 | (9);

Question:
Were lead sampling requirements prescribed by Schedule 15.1 of O. Reg. 170/03 met?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Lead sampling requirements were met.

Schedule 15.1 of Ontario Regulation 170/03 sets out lead sampling and testing requirements for small municipal residential drinking water systems such as Park Lane Subdivision Drinking Water System. Schedule 15.1 prescribes lead sampling methodology, frequency and number and type of locations for standard sampling, reduced sampling and the plumbing sampling exemption. For all three sampling scenarios, each year is comprised of two periods: winter sampling, which occurs between December 15 and April 15; and, summer sampling, which occurs between June 15 and October 15.
The Park Lane Subdivision drinking water system qualified for 'Reduced Sampling' in accordance with the requirements of section 15.1-5 of Schedule 15.1 of Ontario Regulation 170/03 and has further qualified for an exemption for lead sampling in plumbing. However, the owner and operating authority are still required to ensure that distribution sampling is conducted as follows:

- Alkalinity and pH each year, every 'winter' and 'summer' period
- Lead once every 3 years, 'winter' and 'summer' period

During the inspection review period pH and alkalinity samples were measured within the Park Lane Subdivision distribution system on March 2, 2026 as required.
The next lead samples must be collected in the Park Lane Subdivision distribution system in both 2028 sampling periods, though sampling may begin as early as December 15–31, 2027.

Question ID	DWMR1097001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 7-3 | (1.1);

Question:
If the drinking water system obtained water from a ground water source, was turbidity tested at least once every month from each well that supplied water to the system?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Turbidity was tested as required.

Section 7-3 of Schedule 7 of Ontario Regulation 170/03 requires that the owner of a drinking water system and the operating authority for the system shall ensure that a water sample is taken at least once every month from each well supplying water to the system, from a location that is before raw water enters the treatment system, and is tested for turbidity.
During the inspection review period raw water samples were collected each month from both Well 1 and Well 2 and tested for turbidity.

Question ID	DWMR1110001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 11 | (6);

Question:
Was the annual report prepared by February 28th of the following year and did it contain the required information?

Compliance Response(s)/Corrective Action(s)/Observation(s):
The annual report requirements were met.

Section 11 of Ontario Regulation 170/03 requires that annual reports for small municipal residential systems, such as Park Lane Subdivision, cover the period from January 1 to December 31 in a year and be prepared not later than February 28 of the following year. The annual report must contain a brief description of the drinking water system, including a list of water treatment chemicals used, summarize any adverse water quality incidents and corrective actions taken in response, as well as indicate results of samples taken during the reporting period, or the most recent samples if outside of the sampling period. The annual report must also describe any major expenses incurred during the reporting period and indicate where summary reports for municipal counsel will be available. The annual report must also include the number of lead samples taken during the prescribed periods and the number of points where a sample exceeded the lead standard.
The annual report for Park Lane Subdivision Drinking Water System was issued on February 13, 2026. The report is available on the Township of Ramara website. The prepared report contains all of the elements required by Section 11 and Schedule 22 of Ontario Regulation 170/03.

Question ID	DWMR1111001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 22-2 | (1); SDWA | O. Reg. 170/03 | 22-2 | (2); SDWA | O. Reg. 170/03 | 22-2 | (3); SDWA | O. Reg. 170/03 | 22-2 | (4);

Question:
Did the summary report contain the required information and was it completed and distributed as required?

Compliance Response(s)/Corrective Action(s)/Observation(s):
The summary report requirements were met.

Section 22-2. of Schedule 22 of Ontario Regulation 170/03 requires that municipal council be provided a report by no later than March 31 covering the previous calendar year. The report must list all requirements that were not met, as well as the duration of the non-compliance. The report must also include a summary of quantities and flow rates of water supplied during the year and a comparison of the flow rates to the rated capacity and allowable flow rates. The annual report prepared by the Operating Authority for the Park Lane Subdivision Drinking Water System was issued on February 13, 2026, and is available to council on the Township of Ramara website and contains all the required information.

Question ID	DWMR1113001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 10.1 | (3);

Question:
Were changes to the system registration information provided to the ministry within ten (10) days of the change?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Changes to the system registration information were provided as required.

Section 10.1 (3) of Ontario Regulation 170/03 requires that if there is any change to the information given to the Director under subsection (1) or (2), the owner of the drinking water system shall give the Director written notice of the change within 10 days of the change. Updates to contact information as a result of staffing changes were provided to the Director as required during the inspection review period.

Question ID	DWMR1098001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 13 | (1); SDWA | O. Reg. 170/03 | 13 | (2); SDWA | O. Reg. 170/03 | 13 | (3);

Question:
Were the required records kept for the periods prescribed by section 13 of O. Reg. 170/03?

Compliance Response(s)/Corrective Action(s)/Observation(s):
The required records were kept for the prescribed periods.

Question ID	DWMR1043001	Question Type	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Were the process wastewater and residual solids/sludges treated, handled, and disposed of in accordance with the design requirements approved under the Drinking Water Works Permit and the Municipal Drinking Water Licence?

Compliance Response(s)/Corrective Action(s)/Observation(s):
The process wastewater and residual solids/sludges were treated, handled, and disposed of as required.

Schedule A of Drinking Water Works Permit 147-202 Issue Number 4 describes the backwash wastewater disposal system for Park Lane Subdivision Drinking Water System as comprising one 13,500 L capacity concrete backwash wastewater holding tank equipped with a pump and a forcemain. The Supernatant from the backwash wastewater holding tank is

discharged to a ditch. Accumulated settled solids in the tank are removed of by a sewage pump truck.
The installed system is reportedly as described in the Permit and is operated as such.

Question ID	DWMR1073001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 128/04 | 23 | (1);

Question:
Was an overall responsible operator designated for all subsystems which comprise the drinking water system?

Compliance Response(s)/Corrective Action(s)/Observation(s):
An overall responsible operator was designated for all subsystem.

Pursuant to Subsection 23(1) of Ontario Regulation 128/04, a municipal residential drinking water system must have a designated Overall Responsible Operator (ORO). The ORO must hold a valid operator certificate for the applicable type of subsystem, at a class equal to or higher than that of the subsystem.

The Park Lane Subdivision Drinking Water System is comprised of a Water Distribution Class 1 and Water Treatment Class 1 subsystem. The Overall Responsible Operator is designated for both of the subsystems and holds the appropriate certification.

Question ID	DWMR1078001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 128/04 | 23 | (1); SDWA | O. Reg. 128/04 | 23 | (2); SDWA | O. Reg. 128/04 | 23 | (4); SDWA | O. Reg. 128/04 | 23 | (6); SDWA | O. Reg. 128/04 | 23 | (7);

Question:
When the overall responsible operator was unable to act, was a properly certified operator designated to act in their place?

Compliance Response(s)/Corrective Action(s)/Observation(s):
A properly certified operator was designated to act in place of the overall responsible operator.

Question ID	DWMR1074001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 128/04 | 25 | (1);

Question:
Were operators-in-charge designated for all subsystems which comprise the drinking water system?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Operators-in-charge were designated for all subsystems.

Pursuant to Subsection 25(1) of Ontario Regulation 128/04, one or more operators must be designated as Operators-in-Charge (OIC) of a municipal residential drinking water system. Subsection 25(5) further specifies that individuals holding only an Operator-in-Training certificate are not eligible to be designated as OICs. The duties and responsibilities of an OIC are outlined in Section 26 of Ontario Regulation 170/03.

The Park Lane Subdivision Drinking Water System is comprised of a Water Distribution Class 1 and Water Treatment Class 1 subsystem. The Operators In Charge are designated for both of the subsystems. Additionally, operators participate in a rotating on-call schedule to ensure coverage for after-hours callouts, maintaining compliance with regulatory requirements at all times.

Question ID	DWMR1075002	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 128/04 | 22;

Question:
Were all operators certified as required?

Compliance Response(s)/Corrective Action(s)/Observation(s):
All operators were certified as required.

Pursuant to Section 22 of Ontario Regulation 128/04, the owner or operating authority of a subsystem must ensure that every operator employed in the subsystem holds:
• (a) A certificate applicable to that type of subsystem; or
• (b) A certificate applicable to the subsystem, in the case of an operator holding a conditional certificate issued or renewed under Section 10.

A review of operator qualifications during the inspection confirmed that all operators employed in the subsystem hold appropriate and valid certification in accordance with these requirements.

Question ID	DWMR1076001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 1-2 | (2);

Question:
Were adjustments to the treatment equipment only made by certified operators?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Adjustments to the treatment equipment were only made by certified operators.

Pursuant to Subsection 1-2 (2), paragraph 5 of Schedule 1 of Ontario Regulation 170/03,

adjustments to water treatment equipment must be made only by certified operators.

A review of pumphouse logbook entries for the inspection review period indicated that all adjustments to treatment equipment were carried out exclusively by certified operators, in accordance with this requirement.

Question ID	DWMR1058001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 128/04 | 28;

Question:
Did operators and maintenance personnel have ready access to operations and maintenance manuals?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Operators and maintenance personnel had ready access to operations and maintenance manuals.

Section 28 of Ontario Regulation 128/04 requires that the owner or operating authority of a subsystem shall ensure that operators and maintenance personnel in the subsystem have ready access to the comprehensive operations and maintenance manuals that contain plans, drawings and process descriptions sufficient for the safe and efficient operation of the subsystem.
Operation and maintenance manuals and contingency plans for the Park Lane Subdivision Drinking Water System are available at the treatment building, at the office and are also available electronically.

Question ID	DWMR1059001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 128/04 | 28;

Question:
Did the operations and maintenance manuals contain plans, drawings, and process descriptions sufficient for the safe and efficient operation of the system?

Compliance Response(s)/Corrective Action(s)/Observation(s):
The operations and maintenance manuals contained plans, drawings, and process descriptions sufficient for the safe and efficient operation of the system.

The subjects addressed and the level of detail provided within the Park Lane Subdivision Drinking Water System Operations Manual and associated contingency plans are considered sufficient to support the safe, reliable, and efficient operation of the drinking water system. This assessment is based on a review of operator logbooks, operational and monitoring data, and findings observed during the inspection review period. The documentation reflects appropriate consideration of regulatory requirements under Ontario Regulation 170/03 and demonstrates consistency with established industry best practices. The manual includes defined operating procedures, process control and monitoring requirements, preventative

maintenance activities, and system-specific operational parameters. In addition, the contingency plans outline appropriate response actions for reasonably foreseeable adverse conditions, including equipment malfunctions, loss of treatment capability, and water quality exceedances. Overall, the available documentation provides operators with adequate technical guidance to maintain system performance, ensure regulatory compliance, and protect drinking water quality.

Question ID	DWMR1060002	Question Type	Legislative

Legislative Requirement(s):
SDWA | 31 | (1);

Question:
Did the operations and maintenance manual(s) meet the requirements of the Municipal Drinking Water Licence?

Compliance Response(s)/Corrective Action(s)/Observation(s):
The operations and maintenance manual(s) met the requirements of the Municipal Drinking Water Licence.

Pursuant to Condition 16.2 of Municipal Drinking Water Licence 147-102 (Issue 5), the Operations Manual for the Park Lane drinking water system must include the following elements:

- 16.2.1: The requirements of the licence and associated procedures;
- 16.2.2: The requirements of the Drinking Water Works Permit;
- 16.2.3: A description of the processes used to achieve primary and secondary disinfection, including:

a) CT calculations used under worst-case operating conditions;
b) Validated operating conditions for UV disinfection equipment, including the validation certificate (if applicable);

- 16.2.4: Procedures for monitoring and recording in-process parameters necessary for treatment control and performance assessment;
- 16.2.5: Procedures for the operation and maintenance of monitoring equipment;
- 16.2.6: Contingency plans and procedures for ensuring adequate equipment and materials during emergencies, upsets, or equipment failures;
- 16.2.7: Procedures for managing and documenting complaints related to the drinking water system;
- 16.2.8: An inspection schedule for all wells, including production, standby, test, and monitoring wells;
- 16.2.9: Well inspection and maintenance procedures for all above- and below-grade components;
- 16.2.10: Remedial action plans for addressing non-compliance or risks to raw well water quality identified during inspections.

The Operations Manual for the Park Lane Drinking Water System appears to include all required elements as prescribed.

Question ID	DWMR1064001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 128/04 | 26 | (2);

Question:
Did an operator-in-charge ensure that records were maintained of all adjustments to the processes within their responsibility?

Compliance Response(s)/Corrective Action(s)/Observation(s):
The operator-in-charge ensured that records were maintained of all adjustments to the processes within their responsibility.

Subsection 26. (2) of Ontario Regulation 128/04 requires that an operator-in-charge shall ensure that records are maintained of all adjustments made to the processes within his or her responsibility and ensure that all equipment used in the processes within his or her responsibility is properly monitored, inspected, tested and evaluated and that records of equipment operating status are prepared and available at the end of every operating shift.
During the inspection review period the Operators-in-Charge (OIC) met the requirements of subsection 26(2) of Ontario Regulation 128/04 by implementing and maintaining comprehensive operational records and oversight practices within their area of responsibility.
Specifically, the OIC ensured that all process adjustments were documented, such as recording changes to chlorine dosage, including the date, time and revised dosage rates. Adjustments to treatment processes, such as filter backwash frequency were also recorded in operational logs.
The OIC further demonstrated compliance by ensuring that all equipment was properly monitored on an ongoing basis. This included maintaining logs of key operational parameters such as pump run times, system flows, pressures, reservoir levels, and chemical feed rates, supported by SCADA data where applicable. Routine inspections were carried out and documented through checklists noting the condition of pumps, valves, tanks, and any observed leaks or alarm conditions.
In addition, the OIC ensured that equipment was regularly tested and evaluated. This was demonstrated through records of analyzer calibrations (e.g., chlorine and turbidity), including documented results, any corrective adjustments, and confirmation that instruments met acceptable performance criteria. Operational performance was also evaluated through records such as filter turbidity trends and disinfection calculations.
Records were maintained in accessible formats—either in the treatment building on spreadsheets or electronic logbooks or on the SCADA systems—and were available for review, ensuring continuity between shifts and supporting regulatory compliance.

Question ID	DWMR1062001	Question Type	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 7-5;

Question:
Did records or other record keeping mechanisms confirm that operational testing not

performed by continuous monitoring equipment was done by a certified operator, water quality analyst, or person who met the requirements of Schedule 7-5 of O. Reg. 170/03?

Compliance Response(s)/Corrective Action(s)/Observation(s):

Records or other record keeping mechanisms confirmed that operational testing not performed by continuous monitoring equipment was done by a certified operator, water quality analyst, or person who met the requirements of Schedule 7-5 of O. Reg. 170/03.

Pursuant to Subsection 7-5 (1) of Schedule 7 of Ontario Regulation 170/03, chlorine residual and turbidity tests that are not performed using continuous monitoring equipment must be conducted by a certified operator or a certified water quality analyst.
A review of records from the inspection review period confirmed that all manual chlorine residual and turbidity tests were performed by certified operators, in accordance with the regulatory requirements.

Question ID	DWMR1063001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 170/03 | 6-10 | (1);

Question:

For every required operational test and sample, was a record made of the date, time, location, results, and name of the person conducting the test?

Compliance Response(s)/Corrective Action(s)/Observation(s):

For every required operational test and sample, a record was made as required.

Question ID	DWMR1061001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 128/04 | 27 | (1); SDWA | O. Reg. 128/04 | 27 | (2); SDWA | O. Reg. 128/04 | 27 | (3); SDWA | O. Reg. 128/04 | 27 | (4); SDWA | O. Reg. 128/04 | 27 | (5); SDWA | O. Reg. 128/04 | 27 | (6); SDWA | O. Reg. 128/04 | 27 | (7);

Question:

Were logbooks properly maintained and did they contain the required information?

Compliance Response(s)/Corrective Action(s)/Observation(s):

Logbooks were properly maintained and contained the required information.

Section 27 of Ontario Regulation 128/04 requires that the owner or operating authority of a subsystem shall ensure that logs or other record-keeping mechanisms are provided to record information concerning the operating of the subsystem. Entries in the logs shall be made chronologically and only be made by authorized persons. It must be unambiguous who made the entry in the logbook.
An operator-in-charge or a person authorized by an operator-in-charge shall record the following information in the logs or other record-keeping mechanisms in respect of each

operating shift:
1. The date, the time of day the shift began and ended and the number or designation of the shift.
2. The names of all operators on duty during the shift.
3. Any departures from normal operating procedures that occurred during the shift and the time they occurred.
4. Any special instructions that were given during the shift to depart from normal operating procedures and the person who gave the instructions.
5. Any usual or abnormal conditions that were observed in the subsystem during the shift, any action that was taken and any conclusions drawn from the observations.
6. Any equipment that was taken out of service or ceased to operate during the shift and any action taken to maintain or repair equipment during the shift.
The Operating Authority for Park Lane Subdivision Drinking Water System maintains the required information through a variety of record keeping mechanisms. Operators use electronic logbooks to record notes about activities undertaken in the treatment subsystem and distribution subsystem, including who is acting as the Overall Responsible Operator and the Operator-In-Charge. A variety of spreadsheets are also used to record data such as flow rates, chlorine residuals, turbidity readings, distribution chlorine residuals and pressure, chemical levels, amount used and dosage and pump stroke, and if there were any critical alarms.

Question ID	DWMR1065001	**Question Type**	Legislative

Legislative Requirement(s):
SDWA | O. Reg. 128/04 | 27 | (6);

Question:
Were logs and other record keeping mechanisms available for at least five (5) years?

Compliance Response(s)/Corrective Action(s)/Observation(s):
Logs or other record keeping mechanisms were available for at least five (5) years.