

**Ministry of Environment,
Conservation and Parks**
*Drinking Water and Environmental
Compliance Division*

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**Ministère de l'Environnement,
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July 12, 2024

Attention: Zach Drinkwalter Township of Ramara CAO

Re: 2024 Drinking Water Inspection Report Park Lane

Please find enclosed the Ministry of the Environment, Conservation and Parks Inspection Report Park Lane (Drinking Water System # 220007132) inspection. The compliance assessment took place on April 17, 2024.

The primary focus of this inspection was to confirm compliance with Ministry of the Environment, Conservation and Parks legislation and control documents, as well as conformance with Ministry drinking water related policies for the inspection period. The Ministry is implementing a rigorous and comprehensive approach in the inspection of water systems that focuses on the source, treatment, and distribution components as well as water system management practices.

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 councillors, 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 under "Resources" on the Drinking Water Ontario website at www.ontario.ca/drinkingwater.

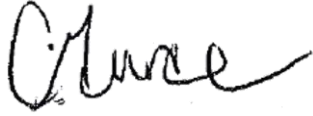
In order to measure individual inspection results, the Ministry has established an inspection compliance risk framework based on the principles of the Inspection, Investigation & Enforcement (II&E) Secretariat and advice of internal and risk experts.

The Inspection Summary Rating Record (IRR), included as Appendix A of the inspection report, provides the Ministry, the system owner and the associated Public Health Units with a summarized quantitative measure of the drinking water system's annual inspection and regulated water quality testing performance. IRR ratings are published (for the previous inspection year) in the Ministry's Chief Drinking Water Inspector's Annual Report.

If you have any questions or concerns regarding the rating, please contact Sheri Broeckel, Drinking Water Program Supervisor, at 1 (705) 716-3712.

If you have any questions or concerns regarding this inspection report, please contact the undersigned.

Carly Munce

A handwritten signature in black ink, appearing to read "Carly Munce". The signature is written in a cursive style with a large initial "C" and a long, sweeping tail.



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 17, 2024
Site Inspection Date: April 17, 2024
Inspection End Date: July 10, 2024
Inspected By: Carly Munce
Badge #: 1945

Carly Munce
(signature)

INTRODUCTION

Purpose

This unannounced, focused inspection was conducted to confirm compliance with Ministry of the Environment, Conservation and Parks' (MECP) legislation and conformance with ministry drinking water policies and guidelines.

Scope

The ministry utilizes a comprehensive, multi-barrier approach in the inspection of water systems that focuses on the source, treatment, and distribution components as well as management and the operation of the system.

The inspection of the drinking water system included both the physical inspection of the component parts of the system listed in section 4 "Systems Components" of the report and the review of data and documents associated with the operation of the drinking water system during the review period.

This drinking water system is subject to the legislative requirements of the Safe Drinking Water Act, 2002 (SDWA) and regulations made therein, including Ontario Regulation 170/03, "Drinking Water Systems" (O. Reg. 170/03). This inspection has been conducted pursuant to Section 81 of the SDWA.

This inspection report does not suggest that all applicable legislation and regulations were evaluated. It remains the responsibility of the owner to ensure compliance with all applicable legislative and regulatory requirements.

Facility Contacts and Dates

The drinking water system is owned by Township of Ramara and operated by Ontario Clean Water Agency (OCWA)

The system serves an estimated population of 50 and is categorized as a Small Municipal Residential System. Information reviewed for this inspection covered the time period of June 28, 2023 - April 17, 2024.

Systems/Components

The Park Lane Subdivision Drinking Water System serves an estimated population of 50 people. The Park Lane Subdivision Drinking Water System is categorized as a small municipal residential drinking water system, as defined by Ontario Regulation 170/03 and operates under drinking water system (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 remove the oxidized iron and manganese. There are no storage structures within the distribution system. The distribution system consists of approximately 125 m of 50 mm diameter polyethylene watermain.

Permissions/Approvals

This drinking water system was subject to specific conditions contained within the following permissions and/or approvals (please note this list is not exhaustive) at the time of the inspection in addition to the requirements of the SDWA and its regulations:

MDWL - 147 -102 Issue Number 5 September 22, 2022

DWWP- 147-202 Issue Number 4 February 4, 2022

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 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. The original well is located in the former pumphouse. Raw water samples were collected monthly during the inspection review period. All raw water microbiological results were zero. Operators perform inspections at least monthly of both wells.			

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. Condition 16.2.9 of Schedule B of Municipal Drinking Water Licence 147-102 Issue Number 4 requires well inspection and maintenance procedures for the entire well structure of each well including all above and below grade well components. Condition 16.2.10 of Schedule B of Municipal Drinking Water Licence 147-102 Issue Number 4 requires remedial action plans for situations where an inspection indicates non-compliance with respect to regulatory requirements and/or risk to raw well water quality. The Operating Authority has developed a Well Inspection, Maintenance and Monitoring Plan. The Plan outlines the schedule for inspection of the two production wells supplying water for			

the Park Lane Subdivision drinking water system. The inspection schedule includes both above and below grade well components. Indicators that the seal or well casing may not be adequate are detailed.

The Operating Authority has a procedure in the event that there is suspected unsafe water as well as a procedure to follow in the event that an alternate water source is required. During the inspection review period the logbook noted that an Operator checked the wells each month.

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. Condition 2.1 of Schedule C of Municipal Drinking Water Licence 147-102 Issue Number 4 requires that for each treatment subsystem, continuous flow measurement and recording shall be undertaken for the flow rate and daily volume of treated water that flows from the treatment subsystem to the distribution system, and the flow rate and daily volume of water that flows into the treatment subsystem. There is a magnetic flow meter installed on each of the two raw water lines, as well as on the combined raw water header, and a magnetic flow meter installed on the distribution header. Each of the flow meters provides a 4-20 mA signal. Raw and treated water flows are continuously recorded on the SCADA system. An annual calibration of the flow meters occurred in January 19, 2024.			

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. Table 1 of Schedule C of Municipal Drinking Water Licence 147-102 Issue Number 4 states that the rated capacity for Park Lane Subdivision Drinking Water System is 50 m ³ /day. Table 2 of Schedule C of Municipal Drinking Water Licence 147-102 Issue Number 4 states that the maximum flow rate for Well No. 1 is 68 L/min and the maximum flow rate for Well No. 2 is 68 L/min. Typical in 2023, daily water taking for this site is on average 10.0 m ³ /day Therefore			

Park Lane DWs didn't exceed their 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 and the process flow diagram contained in Schedule D. Schedule C of Drinking Water Works Permit 147-202 Issue Number 4 lists the installation of the standpipe and other upgrades in Table 2.			

Question ID	DWMR1021001	Question Type	Legislative
Legislative Requirement(s): SDWA 31 (1);			
Question: Were Form 2 documents prepared as required?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Form 2 documents were prepared as required. Form 2 was submitted July 18, 2023 for Instrumentation and Control, Replacement of well 1 magnetic flow meter as proactive equipment upgrade like for like.			

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. Section 2.3 of Schedule B of Drinking Water Works Permit 147-202 Issue Number 4 states that 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:

- a) Until August 3, 2022 the ministry's Watermain Disinfection Procedure, dated November 2015. As of August 4, 2022 the ministry's Watermain Disinfection Procedure, dated August 1, 2020. Subject to condition 2.3.2, any updated version of the ministry's Watermain Disinfection Procedure;
- b) AWWA C652 – Standard for Disinfection of Water-Storage Facilities;
- c) AWWA C653 – Standard for Disinfection of Water Treatment Plants; and
- d) AWWA C654 – Standard for Disinfection of Wells.

The Operating Authority has developed a Standard Operating Procedure (SOP) for disinfection of drinking water system components. The SOP states that the required standards are to be followed as per the Drinking Water Works Permit.

Question ID	DWMR1023001	Question Type	Legislative
<p>Legislative Requirement(s): SDWA O. Reg. 170/03 1-2 (2);</p>			
<p>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?</p>			
<p>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.</p> <p>Under O. Reg. 170/03 or a Drinking Water Works Permit and/or Municipal Drinking Water Licence issued under Part V of the SDWA at all times that water was being supplied to consumers. Primary disinfection for Park Lane Subdivision Drinking Water System is achieved by chlorination and the use of the chlorine contact/concentration time (CT) concept to ensure the provision of effective pathogen inactivation. The effective disinfectant contact time required for the CT concept is attained within the 63 m3 standpipe that was installed in 2016 to replace the five contact tanks that were previously used for storage and contact time. Following completion of the intended contact time, free chlorine residuals are maintained within the distribution system for secondary disinfection purposes.</p> <p>In efforts to ensure minimum treatment is provided at all times, a series of fail safes have been incorporated into the SCADA system. Fail safes include, the low alarm set point being at a level which affords sufficient time for an Operator to respond, prior to the chlorine residual dropping below the level required for primary disinfection. Operators perform CT calculations regularly.</p> <p>In order to determine if primary disinfection was achieved at the Park Lane Subdivision Drinking Water System during the inspection review period, flow rates, free chlorine residuals, turbidity values, reservoir levels and the logsheets were reviewed. These records indicate that during the inspection review period the treatment equipment was operated as required to achieve the disinfection requirements.</p>			

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. At the time of inspection the Inspector C. Munce measured the free chlorine residual in distribution system at sample station #1 with a result of 0.89mg/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. Subsection 7-2 (5) of Schedule 7 of Ontario Regulation 170/03 requires 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 in accordance with subsection (6) and are tested immediately for free chlorine residual, if the system provides chlorination and does not provide chloramination. Subsection (6) states that at least one of the distribution samples referred to in subsection (5) must be taken at least 48 hours after, and during the same week as, one of the other distribution samples referred to in subsection (5). During the inspection review period a free chlorine residual was measured in the Park Lane Subdivision distribution system on at least two days each week, with at least 48 hours between samples as required.			

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.

Primary disinfection chlorine monitoring was conducted at a location approved by Municipal Drinking Water Licence and/or Drinking Water Works Permit issued under Part V of the SDWA, or at/near a location where the intended CT has just been achieved.

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. Subsection 6-5. (1) 3. of Schedule 6 of Ontario Regulation 170/03 requires that test results recorded under paragraph 1 or 2 must be examined, within 72 hours after the tests are conducted by a certified operator, in the case of, a small municipal residential system, such as Park Lane Subdivision Drinking Water System. During the inspection review period records indicate that trending data was reviewed within 72 hours of the test being conducted. Operators are able to log in remotely to view the continuous analyser data.			

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.			

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

Subsection 6-5. (1.1) of Schedule 6 of Ontario Regulation 170/03 requires that the continuous monitoring equipment must cause an alarm to sound immediately at the following locations if the equipment malfunctions or loses power or a test result for a parameter is above the maximum alarm standard or below the minimum alarm standard specified in the Table to this section for the parameter:

- i. The location where the equipment conducts tests.
- ii. A location where a person is present, if a person is not always present at the location where the equipment conducts tests.
- iii. Every designated facility served by the drinking water system, unless the system is a large municipal residential system or a small municipal residential system.

In the event that the continuous chlorine analyzer records a value below or above the set points an alarm is sent to an Operator. The setpoints exceed the requirements of the Table in Schedule 6 of Ontario Regulation 170/03. The low chlorine alarm setpoint is at a level high enough to try and afford an operator enough time to respond before primary disinfection is compromised. Operators regularly test the low chlorine alarm to ensure it is functioning properly. While on site for inspection the operator completed a test for low chlorine alarm and to show they get the notification from Huronia alarms. There are no designated facilities served by Park Lane Subdivision Drinking Water System.

Question ID	DWMR1040001	Question Type	Legislative
<p>Legislative Requirement(s): SDWA O. Reg. 170/03 6-5 (1)1-4; SDWA O. Reg. 170/03 6-5 (1)5-10;</p>			
<p>Question: Were all continuous analysers calibrated, maintained, and operated, in accordance with the manufacturer's instructions or the regulation?</p>			
<p>Compliance Response(s)/Corrective Action(s)/Observation(s): All continuous analysers were calibrated, maintained, and operated as required.</p> <p>Most days that Operators attend the pumphouse they compare the hand held colorimeter value for free chlorine residual with the continuous analyser value. In the event that the discrepancy is greater than approximately 0.2 mg/L, the span of the continuous analyser is changed. The hand held units undergo a verification with secondary standards periodically, and are serviced, including verification, by a third party company annually. The continuous analyser probe and electrolyte are changed as required and calibrated annually by a service technician.</p>			

Question ID	DWMR1108001	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: Where continuous monitoring equipment used for the monitoring of free chlorine residual, total chlorine residual, combined chlorine residual or turbidity, required by O. Reg. 170/03, Municipal Drinking Water Licence, Drinking Water Works Permit, or order triggered an alarm or an automatic shut-off, did a qualified person respond as required and take appropriate actions?			
Compliance Response(s)/Corrective Action(s)/Observation(s): A qualified person responded as required and took appropriate actions. Where required continuous monitoring equipment used for the monitoring of chlorine residual and/or turbidity triggered an alarm or an automatic shut-off, a qualified person responded in a timely manner and took appropriate actions. According to the Park Lane Subdivision logbook an Operator responded to one alarm during the inspection review period; potassium pump fail. Response time was in a timely manner and appropriate actions were taken for each event.			

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.			

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.			

Subsection 11-2 of Schedule 11 of Ontario Regulation 170/03 requires that the owner of a small municipal residential drinking water system and the operating authority for the 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 or 2 and the equipment is operated in accordance with that Schedule. The owner of the drinking water system and the operating authority for the system shall ensure that each of the samples taken is tested for Escherichia coli, total coliforms and general bacteria population expressed as colony counts on a heterotrophic plate count (HPC), as Park Lane Subdivision Drinking Water System has secondary disinfection.

During the inspection review period one distribution sample was collected every two weeks from the Park Lane Subdivision distribution system and tested for all the required parameters.

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.			

Question ID	DWMR1084001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 13-2;			
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.			
Subsection 13-2 (3) of Schedule 13 of Ontario Regulation 170/03 requires that the owner of a small municipal residential system and the operating authority for the system shall ensure that, at least one water sample is taken every 60 months and tested for every parameter set out in Schedule 23.			
The most recent treated water samples collected and tested for all Schedule 23 parameters was on August 21, 2019. Previously samples were tested for Schedule 23 parameters on August 16, 2016. The next samples should be taken in 2024.			

Question ID	DWMR1085001	Question Type	Legislative
<p>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);</p>			
<p>Question: Were organic parameter sampling requirements prescribed by Schedule 13-4 of O. Reg. 170/03 met?</p>			
<p>Compliance Response(s)/Corrective Action(s)/Observation(s): Organic parameter sampling requirements were met.</p> <p>Subsection 13-4 (3) of Schedule 13 of Ontario Regulation 170/03 requires that the owner of a small municipal residential system and the operating authority for the system shall ensure that, at least one water sample is taken every 60 months and tested for every parameter set out in Schedule 24.</p> <p>The most recent treated water samples tested for all Schedule 24 parameters were collected on August 21, 2019. Previously samples were collected for Schedule 24 parameters on August 16, 2016. The next samples should be taken in 2024.</p>			

Question ID	DWMR1086001	Question Type	Legislative
<p>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);</p>			
<p>Question: Were haloacetic acid sampling requirements prescribed by Schedule 13-6 of O. Reg. 170/03 met?</p>			
<p>Compliance Response(s)/Corrective Action(s)/Observation(s): Haloacetic acid sampling requirements were met.</p> <p>Section 13-6.1 of Schedule 13 of Ontario Regulation 170/03 requires that the owner of a drinking water system that provides chlorination or chloramination and the operating authority for the system shall ensure that at least one distribution sample is taken in each calendar quarter, from a point in the drinking water system's distribution system, or plumbing that is connected to the drinking water system, that is likely to have an elevated potential for the formation of haloacetic acids (HAA), and have the samples tested for haloacetic acids.</p> <p>The standard of 0.80 mg/L for HAA as a reportable limit came into effect on January 1, 2020. During the inspection review period a sample was collected from the Park Lane Subdivision distribution system in February 7, May 3, August 3 and November 6 of 2023, February 5 2024 and tested for HAA as required. The average for HAA during the inspection review period was 69.9 ug/L.</p> <p>The Park Lane Subdivision Drinking Water System is not eligible for reduced sampling of HAAs at this time, as there have been results above 0.040 mg/L in the previous 12 consecutive calendar quarters.</p>			

The Operating Authority is aware that the running annual average for HAA is approaching the Ontario Drinking Water Quality Standard Of 0.08 mg/L. The sample results are being monitored. Annual flushing is performed and the chlorine residuals are monitored. The Operating Authority should continue the in place measures to monitor the HAA levels, and may wish to consider further investigation into measures that could reduce the HAA levels.

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. Section 13-6 of Schedule 13 of Ontario Regulation 170/03 requires that the owner of a drinking water system that provides chlorination or chloramination and the operating authority for the system shall ensure that at least one distribution sample is taken in each calendar quarter, from a point in the drinking water system's distribution system, or plumbing that is connected to the drinking water system, that is likely to have an elevated potential for the formation of trihalomethanes (THMs). The samples are to be tested for THMs. During the inspection review period samples were collected and tested for THMs from the Park Lane distribution system February 7, May 3, August 3, and November 6 of 2023. February 5, 2024. The average for THMs during the inspection review period was 79.50ug/L. The Park Lane Subdivision Drinking Water System is not eligible for reduced sampling of THMs at this time, as there have been results above 0.050 mg/L in the previous 12 consecutive calendar quarters.			

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. Section 13-7 of Schedule 13 of Ontario Regulation 170/03 requires that the owner of a drinking water system and the operating authority for the system shall ensure that at least one water sample is taken every three months and tested for nitrate and nitrite.			

During the inspection review period samples tested for nitrate and nitrite were collected from the treated water point of entry for Park Lane Subdivision Drinking Water System February 7, May 3, August 3, November 6 of 2023 and February 5, 2024 as required.

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. Section 13-8 of Schedule 13 of Ontario Regulation 170/03 requires that the owner of a drinking water system and the operating authority for the system shall ensure that at least one water sample is taken every 60 months and tested for sodium. Section 6-1.1 (7) of Schedule 6 of Ontario Regulation 170/03 states that if this Regulation requires at least one water sample to be taken every 60 months and tested for a parameter, the owner of the drinking water system and the operating authority for the system shall ensure that at least one sample that is taken during a 60-month period and for the purpose of being tested for that parameter is taken not more than 90 days before or after the fifth anniversary of the day a sample was taken for that purpose in the previous 60-month period. The most recent treated water sample tested for sodium was collected on August 18, 2020 from the Park Lane Subdivision Drinking Water System. The result was 60.9 mg/L. A resample was collected on August 24, 2020 with a result of 57.6 mg/L.			

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. Section 13-9 of Schedule 13 of Ontario Regulation 170/03 requires that if a drinking water system does not provide fluoridation, the owner of the system and the operating authority for the system shall ensure that a water sample is taken at least once every 60 months and tested for fluoride. Section 6-1.1 (7) of Schedule 6 of Ontario Regulation 170/03 states that if this Regulation requires at least one water sample to be taken every 60 months and tested for a parameter, the owner of the drinking water system and the operating authority for the system shall ensure that at least one sample that is taken during a 60-month period and for the purpose of			

being tested for that parameter is taken not more than 90 days before or after the fifth anniversary of the day a sample was taken for that purpose in the previous 60-month period. A treated water sample was collected on August 3, 2023 from Park Lane and tested for fluoride. Prior to that a fluoride sample was collected on August 15, 2017.

Question ID	DWMR1094001	Question Type	Legislative
Legislative Requirement(s): SDWA 31 (1);			
Question: Were water quality sampling requirements imposed by the Municipal Drinking Water Licence and Drinking Water Works Permit met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Water quality sampling requirements were met. Condition 1.5 of Schedule C of Municipal Drinking Water Licence 147-102 Issue Number 4 states that in respect of an effluent discharged into the natural environment from a treatment system or treatment subsystem component listed in column 1 of Table 3: 1.5.1 the annual average concentration of a test parameter identified in column 2 shall: a) not exceed the value in column 3 of the same row; and b) be calculated at least once monthly as the running annual average based on the previous twelve months of results: Table 3 of Schedule C of Municipal Drinking Water Licence 147-102 Issue Number 4 states that the backwash waste holding tank supernatant must be sampled for total suspended solids with an annual average concentration limit of 25 mg/L and total chlorine residual annual average concentration limit of 0.02 mg/L. Table 7 of Schedule C of Municipal Drinking Water Licence 147-102 Issue Number 4 states that the total suspended solids samples are to be a manual composite sample at the point of discharge quarterly, and total chlorine residual is to be a monthly grab sample at the point of discharge. Condition 1.5.6 of Schedule C of Municipal Drinking Water Licence 147-102 Issue Number 4 states that the requirement for the owner to comply with conditions 1.5.1 to 1.5.2 for the Total Chlorine Residual shall come into effect on February 4, 2023.			

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.			

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Question ID	DWMR1060001	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.			

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.			

Question ID	DWMR1071001	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: Did the owner provide security measures to protect components of the drinking water system?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner provided security measures to protect components of the drinking water system. The outside well, the sample stations, standpipe and the old pumphouse where the original well is located are locked, as well as the pumphouse which is also alarmed for forced entry. There are no other storage structures within the distribution system.			

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. The Park Lane Village 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 have the appropriate certification. The Operator acting as the ORO is indicated in the electronic logbook on each day that entries are made.			

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. The Park Lane Village Subdivision Drinking Water System is comprised of a Water Distribution Class 1 and Water Treatment Class 1 subsystem. The Operator-in- Charge (OIC) is designated for both subsystems and have the appropriate certification. The Operator acting as the OIC is indicated in the electronic logbook on each day that entries are made.			

Question ID	DWMR1075001	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.			

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.			

Ministry of the Environment, Conservation and Parks - Inspection Summary Rating Record (Reporting Year - 2024-25)

DWS Name: PARK LANE SUBDIVISION DRINKING WATER SYSTEM
DWS Number: 220007132
DWS Owner: CORPORATION OF THE TOWNSHIP OF RAMARA
Municipal Location: RAMARA

Regulation: O.REG. 170/03
DWS Category: DW Municipal Residential
Type of Inspection: Focused
Compliance Assessment Start Date: Apr-17-2024
Ministry Office: Barrie District Office

Maximum Risk Rating: 423

Inspection Module	Non Compliance Risk (X out of Y)
Capacity Assessment	0/30
Certification and Training	0/42
Logbooks	0/14
Operations Manuals	0/14
Reporting & Corrective Actions	0/25
Source	0/14
Treatment Processes	0/193
Water Quality Monitoring	0/91
Overall - Calculated	0/423

Inspection Risk Rating: 0.00%

Final Inspection Rating: 100.00%

Ministry of the Environment, Conservation and Parks - Detailed Inspection Rating Record (Reporting Year - 2024-25)

DWS Name:	PARK LANE SUBDIVISION DRINKING WATER SYSTEM
DWS Number:	220007132
DWS Owner Name:	CORPORATION OF THE TOWNSHIP OF RAMARA
Municipal Location:	RAMARA
Regulation:	O.REG. 170/03
DWS Category:	DW Municipal Residential
Type of Inspection:	Focused
Compliance Assessment Start Date:	Apr-17-2024
Ministry Office:	Barrie District Office

All legislative requirements were met. No detailed rating scores.

Maximum Question Rating: 423

Inspection Risk Rating:	0.00%
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FINAL INSPECTION RATING:	100.00%
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