

**Ministry of the Environment,
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November 28, 2024

The Corporation of the Township of Alrfed-Plantagenet
205 Old Hwy 17 P.O. Box 350
Plantagenet, ON K0B 1L0

Dear: Mr. Michel Potvin
Chief Administrative Officer

Re: 2024-2025 Wendover Drinking Water System Inspection Report

Please find enclosed a copy of the final inspection report for the Wendover Drinking Water System.

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 Council" found under on the Ontario website at <https://www.ontario.ca/page/taking-care-your-drinking-water-guide-members-municipal-councils>

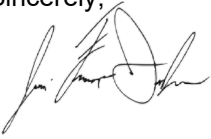
The format of the enclosed report has been updated, and you will note that the non-compliance and/or non-conformance items are now detailed at the beginning of the report and if found, will cite due dates for the submission of information, procedures or plans to my attention. All questions that were assessed are included in the Inspection Details Section.

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/external risk experts. The Inspection Rating Record (IRR), provides the Ministry, the system owner and the local 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 year) in the ministry's Chief Drinking Water Inspector's Annual Report.

If you have any questions or concerns regarding the rating, please contact Shannon Hamilton-Brown, (Acting)Water Compliance Supervisor, at (613) 277-3727.

Thank you for the assistance during the inspection. Please do not hesitate to contact me if you have any questions or concerns about the attached report.

Sincerely,



Jean-François Durocher
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WENDOVER DRINKING WATER SYSTEM
Physical Address: 7200 COUNTY RD 17,
WENDOVER, ALFRED AND
PLANTAGENET, ON K0A 3K0

INSPECTION REPORT

System Number: 260004293
Entity: THE CORPORATION OF THE
TOWNSHIP OF ALFRED AND
PLANTAGENET
ONTARIO CLEAN WATER
AGENCY
Inspection Start Date: September 26, 2024
Site Inspection Date: September 26, 2024
Inspection End Date: October 18, 2024
Inspected By: Jean-Francois Durocher
Badge #: 1440



(signature)

INTRODUCTION

Purpose

This announced, 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 The Corporation Of The Township Of Alfred And Plantagenet and operated by Ontario Clean Water Agency (OCWA). The system serves an estimated population of 1,800 and is categorized as a Large Municipal Residential System.

Information reviewed for this inspection covered the time period of August 1, 2023, to August 31, 2024.

The water inspector met with Stéphane Barbarie – Senior Operations Manager on Thursday, September 26, 2024 (the date of the physical portion of the inspection).

Systems/Components

All locations associated with primary disinfection were visited as part of this inspection. Please see the attached Appendix B "Component Report" for additional details about the treatment facility. The following sites were visited as part of the inspection of the drinking water system:

- Wendover Water Treatment Plant

An outstation is a component of a drinking water system that is not located at either a water treatment plant or a well supply and is generally not associated with primary treatment, for example reservoirs, booster stations, and rechlorination facilities located within the distribution system. Outstations may be visited on a rotational basis as part of a ministry inspection. This inspection included the inspection of:

- Wendover water tower

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:

- Municipal Drinking Water Licence No. 169-102 Issue Number 4
- Drinking Water Works Permit No. 169-202 Issue Number 3
- Permit To Take Water No. 96-P-4096 issued on July 30, 1996

Background and Compliance

N/A

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	DWMR1006001	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Is the owner planning to add a new drinking water source or to make changes to their current source(s)?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner is planning to add a new drinking water source or to make changes to their current source(s). The owner is planning on making modifications to the intake. The owner is currently in the early phases of an Environmental Assessment (EA) for the goal of expanding the Wendover WTP. The owner is planning for the addition of a another treatment train (a twin to the one in place), and if the capacity of the WTP is increased the owner is planning on modifying (increasing) the size of the intake or adding an additional intake.			

Question ID	DWMR1012001	Question Type	Legislative
Legislative Requirement(s): SDWA 31 (1);			
Question: Did the owner have a harmful algal bloom monitoring plan in place that met the requirements of the Municipal Drinking Water Licence?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner had a harmful algal bloom monitoring plan in place which met the requirements. Condition 6 of Schedule C of the Municipal Drinking Water Licence (MDWL) No. 169-102 issue number 4 which was issued on June 25, 2021, requires the owner to implement a Harmful Algal Bloom monitoring plan. The owners have a standard operating procedure in place for harmful algal blooms which meets the set requirements of the MDWL.			

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 (MDWL) No. 169-102 issue number 4 which was issued on June 25, 2021 requires that continuous flow measurement and recording shall be undertaken for:

2.1.1 The flow rate (L/s) and daily volume (m³/day) of treated water that flows from the treatment subsystem to the distribution system.

2.1.2 The flow rate and daily volume of water that flows into the treatment subsystem.

This condition was met through the use of two raw water flow meters monitoring the water entering each of the treatment trains and a treated water flow meter monitoring the treated water as it enters the distribution system.

Raw water flow data was reviewed for the period between September 1, 2023, to August 31, 2024, and found to be in order, averaging ~ 589 m³/day (30% of allowable limit). (~ 478 m³/day during previous inspection period)

The allowable limit is defined by Permit To Take Water (PTTW) No. 96-P-4096 issued on July 30, 1996 which is 1,960,000 L/day or 1,960 m³/day.

Question ID	DWMR1016001	Question Type	Legislative
<p>Legislative Requirement(s): SDWA 31 (1);</p>			
<p>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?</p>			
<p>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.</p> <p>Condition 1.1 of Schedule C of MDWL No. 169-102 requires the owner to ensure the system is not operated such that the maximum daily volume of water that flows from the treatment subsystem to the distribution system does not exceed the rated capacity of:</p> <ul style="list-style-type: none"> - 1,806 m³/day when raw water temperature is above 1°C and; - not exceed the rated capacity of 1,517m³/day when the raw water temperature is below 1°C. <p>The Wendover WTP is averaging 33%* of its total daily maximum production. During the inspection review period the average volume of water that was produced from the WTP to the</p>			

distribution system is 500 m³/day (448 m³/day in previous annual inspection).

The highest daily volume of water flow from the treatment subsystem to the distribution system was recorded on September 6, 2023, with a volume 795 m³/day.

Highest daily volume last inspection period was 792 m³/day.

*Based on the 1,517 m³/day limit.

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 the inspection, The Ontario Clean Water Agency (OCWA) was operating the Drinking Water System (DWS) under Drinking Water Works Permit (DWWP) No. 169-202 Issue No. 3 that was issued on June 25, 2021. The equipment as identified on the above noted certificate was reviewed at the time of the inspection and found to be in order.			

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. A Form 2 was prepared for the following: - Replacement of two coagulant metering pumps rated at 17 L/h with two Watson Marlow peristaltic with capacity of 0.1 – 500 mL/min of 30 L/h. The pumps were replaced because they have exceeded their 20-year life cycle (installed in 2000). - Relocated the coagulant feed line from before the inline mixer in the raw inlet pipe to the two individual lines going to each coagulation mixing tanks for better control over flow to each treatment unit.			

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.			

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. Subsection 1-2(2) of Schedule 1 of Ontario Regulation 170/03 requires that the owner of a drinking water system and the operating authority for the system ensure the following: 1. The water treatment equipment is in operation whenever water is being supplied; 2. The water treatment equipment is operated in accordance with the Ministry's Procedure for Disinfection of Drinking Water in Ontario; and that 3. The water treatment equipment required by section 1-3 or 1-4 is operated in a manner that achieves the design capabilities it is required to have under that section. The Wendover WTP is a Conventional Filtration System which was operating in accordance with DWWP No. 169-202 and MDWL No. 169-102. The system is designed to meet a minimum of 2-log removal of Cryptosporidium oocysts, and 2.5-log removal of Giardia cysts through conventional filtration; and 2-log removal/inactivation of viruses through conventional filtration and another 2-log removal/inactivation of viruses through chemical disinfection by chlorination. Subsection 1-4(a)[ii] of Schedule 1 of Ontario Regulation 170/03 requires that water treatment equipment is designed to be capable of achieving, at all times, primary disinfection in accordance with the Ministry's Procedure for Disinfection of Drinking Water in Ontario,			

including at least 99 per cent (2 log) removal or inactivation of *Cryptosporidium* oocysts, at least 99.9 per cent (3 log) removal or inactivation of *Giardia* cysts and at least 99.99 per cent (4 log) removal or inactivation of viruses. Therefore, the Wendover WTP meets the required removal credits.

To receive these removal credits the following criteria must be met:

- chemical coagulant must be used at all times when the treatment plant is operational,
- chemical dosage must be monitored and adjusted in response to variations in raw water quality,
- effective backwash procedures must be maintained,
- the turbidity from each filter must be continuously monitored, and
- the turbidity of the filter effluent has to measure less than or equal to 0.3 NTU in 95% of the measurements each month.

The available information indicates that the Wendover WTP is operating in accordance with these requirements.

A review of the filter effluent turbidity data provided by Ontario Clean Water Agency (OCWA) (dated August 2023 to August 2024), indicates that the filter effluent met the performance measure of 0.3 NTU or less 95% of the time for each individual month.

To ensure CT is achieved, the plant is operated to target free residual of 0.8 mg/L (low level alarm setpoint) to 2.9 mg/L (high level alarm setpoint). During the inspection review period the free chlorine residual ranged from 0.56 mg/L to 5.02 mg/L. Even though the plant was operated outside of the target range, CT was met at all times.

Question ID	DWMR1024001	Question Type	Legislative
<p>Legislative Requirement(s): SDWA O. Reg. 170/03 1-2 (2);</p>			
<p>Question: Did records confirm that the water treatment equipment which provides chlorination or chloramination for secondary disinfection was operated as required?</p>			
<p>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.</p> <p>The maintenance of a disinfectant residual in the distribution system (secondary disinfection) is intended to maintain (or introduce and maintain) a persistent disinfectant residual to protect the water from microbiological re-contamination, reduce bacterial re-growth, control biofilm formation, and serve as an indicator of distribution system integrity (loss of disinfectant residual indicating that the system integrity has been compromised). Only chlorine, chlorine dioxide and monochloramine provide a persistent disinfectant residual and can be used for the maintenance of a residual in the distribution system.</p>			

Records provided by OCWA were reviewed for the inspection period and found to be in order. The lowest free chlorine residual was measured on September 5, 2023 with a result of 0.57 mg/L.

Question ID	DWMR1033001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 7-2 (3); SDWA O. Reg. 170/03 7-2 (4);			
Question: Was secondary disinfectant residual tested as required for the large municipal residential distribution system?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Secondary disinfectant residual was tested as required. Subsection 7-2 (3) of Schedule 7 of Ontario Regulation 170/03 requires that the owner of a large municipal residential system that provides secondary disinfection and the operating authority for the system shall ensure that at least seven distribution samples are taken each week and are tested immediately for, free chlorine residual, combined chlorine residual, if the system provides chloramination. Additionally, the required sampling had been conducted in accordance with the rules prescribed by Subsection 7-2(4) of Schedule 7 of Ontario Regulation 170/03. The rules stipulate the following: - At least four of the samples must be taken on one day of the week, at least 48 hours after the last sample was taken in the previous week. - At least three of the samples must be taken on a second day of the week, at least 48 hours after the last sample was taken on the day noted above. - When more than one sample is taken on the same day of the week under paragraph noted above, each sample must be taken from a different location. The secondary disinfectant residual in the distribution system is measured as per the Ontario Regulation 170/03. The Wendover DWS operating authority measure secondary disinfectant continuously, with additional chlorine residual tests when bacteriological samples are collected on weekly basis, no concerns identified.			

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.

It was noted at the time of the inspection that the primary disinfection chlorine monitoring was being conducted at or near the location where the intended CT has just been achieved.

Primary disinfection is being monitored by chlorine monitoring instrument (Hach CL17). The continuous monitoring instruments are installed just downstream of the clearwell just before the high lift wet wells.

Question ID	DWMR1032001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 7-3 (2);			
Question: If the drinking water system obtained water from a surface water source and provided filtration, was continuous monitoring of each filter effluent line performed for turbidity?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Continuous monitoring of each filter effluent line was performed for turbidity.			
Filter effluent turbidity was continuously monitored on each filter. A review of the monthly "Continuous Monitoring Min/Max Result Sheet" summaries was also performed. The "Continuous Monitoring Min/Max Result Sheet" document summarizes the daily minimum and maximum filter effluent in NTU for each filter.			
If an operating/filtering filter is operating above 0.3 Nephelometric Turbidity Unit (NTU) that time the filter is producing will be tracked to ensure it is not more than 5% run time per month. Then for each month all times that water was above 0.3 NTU are summed up to be expressed as a percentage for each month.			
During the inspection period, the Wendover WTP met the required <0.3 NTU more than 95% of each month.			

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.			

Facility Logbooks are maintained by OCWA staff for the Wendover WTP and the Wendover Distribution System. These logbooks were reviewed, and it was noted that Operators were reviewing the continuous monitoring data, typically within 24-48 hours of the test.

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. The Table in Schedule 6 of Ontario Regulation 170/03 states that free chlorine residual and total chlorine residual measured for the purpose of determining combined chlorine residual required to achieve primary disinfection be recorded at a minimum every five minutes and that a minimum alarm set point be 0.1 milligrams per litre less than the concentration of combined chlorine residual that is required to achieve primary disinfection. The Table in Schedule 6 does not state a maximum alarm standard for chlorine residual to achieve primary disinfection. The SCADA system records free chlorine residual continuously and the alarm for low free chlorine residual is set at 0.8 mg/L. The Table in Schedule 6 of O.Reg 170/03 states that turbidity be tested and recorded at a minimum frequency of every 15 minutes and that a maximum alarm point of 1.0 NTU be set. The Table in Schedule 6 does not state a minimum alarm standard for turbidity. The SCADA system records turbidity continuously and there is a high turbidity alarm set point of 0.3 NTU at the Wendover WTP.			

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

Section 6-5 of Schedule 6, Ontario Regulation 170/03 requires that continuous monitoring equipment be designed and operated in accordance with the standards described in subsection (1.1). If the continuous monitoring equipment does not have a feature that ensures that no water is directed to users in the event of a prescribed alarm, then in the event of an alarm a qualified person must be promptly dispatched to the plant and must arrive as soon as possible.

The demonstrated response time for triggered alarms is acceptable. Additionally, the plant will shut down if any of the following criteria are met:

- if the filter effluent turbidity is over 0.3 NTU
- if free chlorine is above 2.9 mg/L leaving the clearwell
- if free chlorine is below 0.8 mg/L leaving the clearwell
- if turbidity leaving the clearwell is above 2.0 NTU
- if pH was below 6.5
- if pH was above 8
- chemical fault

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>It was indicated at the time of the inspection that all continuous analyzers are calibrated, maintained, and operated in accordance with the manufacturer's instructions and according to Schedule 6-5 of Ontario Regulation 170/03.</p> <p>Calibration records and work order summaries were provided by operators and found to be in order. Calibrations are performed in house on a monthly basis and the owners hire a certified technician to calibrate the following analyzers on yearly schedule.</p> <p>The continuous flow meter equipment was calibrated on September 6, 2024. The continuous monitoring equipment that monitors chlorine was last calibrated/tested on June 26, 2024. The continuous monitoring equipment that monitors turbidity was last calibrated on June 26, 2024. No concerns were identified.</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.			

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 not all water sample results met the Ontario Drinking Water Quality Standards. All required sample results were reviewed for the period between September 1, 2023, to August 31, 2024, and found to be in order. All but one parameter was in order with the limits set in Ontario Regulation 169/03. The one parameter that was exceeded was total coliforms which is not to be detected, but on October 24, 2023, and May 8, 2024, total coliforms were present in DWS samples.			

Question ID	DWMR1083001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 10-3;			
Question: Were treated microbiological sampling requirements prescribed by Schedule 10-3 of O. Reg. 170/03 for large municipal residential systems met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Treated microbiological sampling requirements were met. Section 10-3 of Schedule 10, Ontario Regulation 170/03, requires that a treated water sample be taken at least once a week and tested for the required microbiological parameters.			

A review of the water quality monitoring data for the period in question, confirmed that all microbiological monitoring requirement for treated water were consistently being met.

Question ID	DWMR1081001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 10-2 (1); SDWA O. Reg. 170/03 10-2 (2); SDWA O. Reg. 170/03 10-2 (3);			
Question: Were distribution microbiological sampling requirements prescribed by Schedule 10-2 of O. Reg. 170/03 for large municipal residential systems met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Distribution microbiological sampling requirements were met. According to information provided at the time of the inspection, the total permanent residential population served by the Wendover DWS is approximately 1,800. Based on the population of 1,800, the total number of distribution samples required per month is at least nine. Section 10-2(1)(a) of Schedule 10 of Ontario Regulation 170/03 requires that "The owners of a drinking water system and the operating authority for the system shall ensure that, if the system serves 100,000 people or less, at least eight distribution samples, plus one additional distribution sample for every 1,000 people served by the system, are taken every month, with at least one of the samples being taken in each week". A review of the water quality data for the period in question, confirmed that the microbiological monitoring requirements for the distribution system were consistently being met with an average of 12 to 15 samples per month.			

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. A review of the microbiological water quality monitoring data for the period in question, confirmed that chlorine residual tests were being conducted at the same time and at the same location that microbiological samples were obtained. No concerns were identified.			

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. Section 13-2 of Schedule 13, Ontario Regulation 170/03 requires that at least one sample be taken every 12 months and tested for the required inorganic parameters identified under Schedule 23. A review of the inorganic water quality monitoring data for the period in question, confirmed that the required samples were collected on July 16, 2024, and that the monitoring requirements prescribed by the legislation were met. The sample was collected within the +/- 30-day window. The previous Schedule 23 samples were collected on August 9, 2023, no concerns identified.			

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. Section 13-4 of Schedule 13, Ontario Regulation 170/03 requires that at least one sample be taken every 12 months and tested for the required organic parameters identified under Schedule 24. A review of the organic water quality monitoring data for the period in question, confirmed that the required samples were collected on July 16, 2024, and that the monitoring requirements prescribed by the legislation were met. The sample was collected within the +/- 30-day window. The previous Schedule 24 samples were collected on August 9, 2023, no concerns identified.			

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.

A review of the water quality monitoring data for the period in question, confirmed that haloacetic acids samples were collected in accordance with the monitoring requirements prescribed by the legislation. Since the previous inspection HAA samples were collected on October 10, 2023, (55.9 µg/L), January 17, 2024, (29.9 µg/L), April 9, 2024, (67.9 µg/L) and July 11, 2024, (68.4 µg/L).

The running average, based on the results of the four most recent samples is 55.5 µg/L which is below the Ontario Drinking Water Quality Standard (ODWQS) limit of 80 µg/L (running average).

The operating authority properly collected samples within the required timeframe during the inspection review period, never exceeding the 120-day limit for HAA samples.

Question ID	DWMR1087001	Question Type	Legislative
<p>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);</p>			
<p>Question: Were trihalomethane sampling requirements prescribed by Schedule 13-6 of O. Reg. 170/03 met?</p>			
<p>Compliance Response(s)/Corrective Action(s)/Observation(s): Trihalomethane sampling requirements were met.</p> <p>A review of the water quality monitoring data for the period in question, confirmed that trihalomethanes samples were collected in accordance with the monitoring requirements prescribed by the legislation.</p> <p>Since the previous inspection THM samples were collected on October 10, 2023, (67 µg/L), January 17, 2024, (66 µg/L), April 9, 2024, (98 µg/L) and July 11, 2024, (106 µg/L).</p> <p>The running average, based on the results of the four most recent samples is 84.25 µg/L (73.75 µg/L during previous inspection period) which is below the Ontario Drinking Water Quality Standard (ODWQS) limit of 100 µg/L (running average).</p> <p>The operating authority properly collected samples within the required timeframe during the</p>			

inspection review period, never exceeding the 120-day limit for THM samples.

Question ID	DWMMR1088001	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. A review of the water quality monitoring data for the period in question confirmed that the nitrate/nitrite samples were collected in accordance with monitoring requirements prescribed by the legislation. Since the previous inspection nitrate/nitrite samples were collected on October 10, 2023, January 17, 2024, April 9, 2024, and July 11, 2024. The nitrate/nitrite sample results ranged from, 0.05 mg/L to 0.34 mg/L. The operating authority properly collected samples within the required timeframe during the inspection review period, never exceeding the 120-day limit for nitrate/nitrite samples.			

Question ID	DWMMR1089001	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, Ontario Regulation 170/03 requires that at least one sample be taken every 60 months and tested for sodium. A review of the water quality monitoring data for the period in question, confirmed that the sodium samples were collected in accordance with monitoring requirements prescribed by the legislation. Sodium was last sampled (for regulatory purposes) on September 15, 2022, and the result of 24.2 mg/L, which is above the Ontario Drinking Water Quality Standard (ODWQS) guideline of 20 mg/L. The exceedance of the ODWQS guideline prompted a re-sample to ensure the accuracy of the sodium within the DWS. A sodium re-sample was collected from the distribution system on September 20, 2022, with a result of 23.1 mg/L which is also above the			

ODWQS guideline of 20 mg/L. The operating authority undertook proper corrective actions, and the Medical Officer of Health (MOH) was contacted. The next sample to be collected which shall be analyzed to determine sodium in drinking water is due no later than September 15, 2027 (+/- 90 days).

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, Ontario Regulation 170/03 requires that at least one sample be taken every 60 months and tested for fluoride. A review of the water quality monitoring data for the period in question, confirmed that the fluoride samples were collected in accordance with monitoring requirements prescribed by the legislation. The last set of fluoride samples were collected on January 17, 2024, with a result of <0.1 mg/L, well below the limit of 1.5 mg/L. Wendover DWS will not be required to collect samples for fluoride before January 17, 2029 (+/- 90 days).			

Question ID	DWMR1104001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 16-6 (1); SDWA O. Reg. 170/03 16-6 (2); SDWA O. Reg. 170/03 16-6 (3); SDWA O. Reg. 170/03 16-6 (3.1); SDWA O. Reg. 170/03 16-6 (3.2); SDWA O. Reg. 170/03 16-6 (4); SDWA O. Reg. 170/03 16-6 (5); SDWA O. Reg. 170/03 16-6 (6);			
Question: Were immediate verbal notification requirements for adverse water quality incidents met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Immediate verbal notification requirements for adverse water quality incidents were met.			

Question ID	DWMR1101001	Question Type	Legislative
Legislative Requirement(s): SDWA O. Reg. 170/03 17-1; SDWA O. Reg. 170/03 17-10 (1); SDWA O. Reg. 170/03 17-11; SDWA O. Reg. 170/03 17-12; SDWA O. Reg. 170/03 17-13; SDWA O. Reg. 170/03 17-14; SDWA O. Reg. 170/03 17-2; SDWA O. Reg. 170/03 17-3; SDWA O. Reg. 170/03 17-4; SDWA O. Reg. 170/03 17-5; SDWA O. Reg. 170/03 17-6; SDWA O. Reg. 170/03 17-9;			
Question: For large municipal residential systems, were corrective actions, including any steps directed by the Medical Officer of Health, taken to address adverse conditions?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Corrective actions were taken to address adverse conditions. AWQI (Adverse Water Quality Incident) # 163871 dated October 24, 2023, and # 164929 dated May 8, 2024. These AWQIs were both for total coliform exceedances, results on October 24, 2023, contained nine (9) total coliform and a free-chlorine residual of 1.16 mg/L at the time of the sample. Results from May 8, 2024, contained one (1) total coliform and a free-chlorine residual of 1.21 mg/L at the time of the sample. The operating authority undertook proper corrective actions (resamples collected up and downstream), and the Medical Officer of Health (MOH) at the Eastern Ontario Health Unit were contacted and offered no additional requirements. All required corrective actions were completed, no concerns identified.			

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.			

Question ID	DWMR1114001	Question Type	Legislative
Legislative Requirement(s): SDWA 31 (1);			
Question: Did the owner have evidence that, when required, all legal owners associated with the drinking water system were notified of the requirements of the Municipal Drinking Water Licence and Drinking Water Works Permit?			

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

The owner had evidence that the required notifications were made.

Question ID	DWMR1045001	Question Type	Legislative
Legislative Requirement(s): SDWA 31 (1);			
Question: Did the owner update the document describing the distribution components within 12 months of completion of alterations to the system in accordance with the Drinking Water Works Permit?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner had up-to-date documents describing the distribution components.			

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. The Operations and Maintenance Manuals are in order and consistent with conditions 16.0 of Schedule B of MDWL No. 169-102 Issue No. 4. The manuals are kept at the WTP, readily available to all OCWA staff. The operation and maintenance manuals and the emergency/contingency plans are reviewed on an annual schedule and are updated if needed.			

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.

"Facility Logbooks" and other record keeping mechanisms maintained by OCWA staff were reviewed for the period between September 1, 2023, to August 31, 2024. According to OCWA Staff and records provided, only certified operators perform operational testing that is not performed by continuous monitoring equipment. Entries are made digitally (electronically) and chronological order.

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. All components of the DWS were found to be completely covered and secure, and under lock and key at all times. The WTP and the water tower are fenced with a locked gate surrounding the plant/tower perimeter and access doors to either facility is equipped with security lighting and intrusion alarms. The low lift building is located offsite from the WTP and shares an entrance with the public boat launch for the Ottawa River. The low lift building has locked doors, no trespassing signage, security lighting and equipped with an intrusion alarm.			

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. At the time of the inspection, Mr. Stéphane Barbarie is the overall responsible operator (ORO) for the Wendover WTP and possesses the required qualifications.			

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 operator designated as the Operator-In-Charge (OIC) for any given week is also the operator on call for that week. All of the information was recorded and maintained in the logbook. The logbook indicated which operator was on call each day of the year.			

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.			

APPENDIX A
REFERENCE MATERIAL

Key Reference and Guidance Material for Municipal Residential Drinking Water Systems

Many useful materials are available to help you operate your drinking water system. Below is a list of key materials owners and operators of municipal residential drinking water systems frequently use.

To access these materials online click on their titles below or use your web browser to search for their titles. Contact the Ministry if you need assistance or have questions at 1-866-793-2588 or waterforms@ontario.ca.

For more information on Ontario's drinking water visit www.ontario.ca/page/drinking-water



Click on the publication below to access it

- [Drinking Water System Profile Information Form - 012-2149E](#)
- [Laboratory Services Notification Form – 012-2148E](#)
- [Adverse Test Result Notification Form – 012-4444E](#)
- [Taking Care of Your Drinking Water: A Guide for Members of Municipal Councils](#)
- [Procedure for Disinfection of Drinking Water in Ontario](#)
- [Strategies for Minimizing the Disinfection Products Trihalomethanes and Haloacetic Acids](#)
- [Filtration Processes Technical Bulletin](#)
- [Ultraviolet Disinfection Technical Bulletin](#)
- [Guide for Applying for Drinking Water Works Permit Amendments, & License Amendments](#)
- [Certification Guide for Operators and Water Quality Analysts](#)
- [Training Requirements for Drinking Water Operator](#)
- [Community Sampling and Testing for Lead: Standard and Reduced Sampling and Eligibility for Exemption](#)
- [Drinking Water System Contact List – 7128E01](#)
- [Ontario's Drinking Water Quality Management Standard - Pocket Guide](#)
- [2020 Watermain Disinfection Procedure](#)
- [List of Licensed Laboratories](#)

APPENDIX B

COMPONENT INFORMATION REPORT

DWS Component Information Report for 260004293

as of 19-NOV-2024

Drinking Water System Profile Information

DWS #	260004293
MOE Assigned Name	Wendover Drinking Water System
Category	LMRS
Regulation	O.REG 170/03
DWS Type	Water Treatment Plant
Source Type	Surface Water
Address	7200 County Road 17 Highway, Wendover, Ontario, K0A 3K0, Canada
Region	Eastern Region
District	Cornwall Area Office
Municipality	Alfred And Plantagenet
Public Health Unit	Eastern Ontario Health Unit

LWIS Component Name	LWIS Component Type	LWIS Component Sub-Type	Component Address	Comments
Wtp Waste Management	Other	Liquid	7200 County Road 17,	A 73.6 m3 filter backwash and clarifier sludge storage facility is used to store the residues. Two grinder pumps alternate to discharge the surge pit to the sanitary sewer.
Wtp Storage	Treated Water Poe	Reservoir	7200 County Road 17,	Treated water is stored in two reservoirs each with baffled clearwell and pump well. A total storage of 251.6 m3 can be stored on site. A continuous free chlorine analyzer ensures proper monitoring of CT. A continuous analyzer ensures proper soda ash dosage is applied to maintain proper pH throughout the system.
Elevated Storage Reservoir	Other	Reservoir	7200 County Road 17,	<p>A composite-type elevated structure near the WTP provides a storage capacity of 1,940 m3 and is 53 m in height. This elevated reservoir is in series with the WTP reservoirs thus providing added CT value since much longer contact time between the drinking water and the free chlorine residual.</p> <p>The structure was resurfaced inside and out in 2012. During the painting, the tower was isolated from the system and by-passed.</p>
Wtp Treatment Processes	Other	Treatment Facility	7200 County Road 17,	<p>A raw water turbidity meter is installed on the treatment inlet line. A magnetic raw water flow meter is located on the 200 mm diameter polyethylene pipe from the low lift station. A static in-line mixer is located after the coagulant injection point and before the coagulant aid injection point. The Wendover WTP has two process trains. Each has a mechanical variable speed mixing chamber for coagulation and flocculation. A sedimentation section with lamella tube settlers with sludge removal completes the first part of the treatment train.</p> <p>Sodium hypochlorite and soda ash are injected after the filters before the clear wells located below the treatment plant. The clear wells have four (4) chambers with a total storage volume of 251.6 cubic meters. Treated water is pumped to the water tower from the clear well by one of two vertical turbine high lift pumps.</p> <p>The following online water quality analyzers are present at</p>

DWS Component Information Report for 260004293

as of 19-NOV-2024

LWIS Component Name	LWIS Component Type	LWIS Component Sub-Type	Component Address	Comments
				<p>the WTP; i) five magnetic flow meters (one raw, two filter effluent, one treated, one wastewater); ii) three inline turbidimeters (two filter effluent and one treated effluent); iii) a free chlorine analyzer (treated water); and iv) one pH meter (treated water). Data from the water quality analyzers is monitored and recorded by the facility's SCADA systems.</p> <p>The treatment plant is equipped with two 73.6 cubic meters holding tanks for filter backwash and clarifier sludge. The contents of the tanks are pumped to the Wendover Water Pollution Control Plant. Water from the domestic sump pit is directed to a waste tank then to the sanitary sewer. OCWA provides an Outpost 5 SCADA system that parallels the plant's monitoring system as well as monitors the distribution system.</p>
Wendover Distribution Subsystem	Other	Class II		The Wendover Distribution System serves a population of approximately 1,000 residents. Approximately 6.2 km of watermains are buried and provide drinking water to the community. The system extends from 3781 Chemin Prud'homme west of the village, the south end of Avenue du Quay and to 2800 Rue Principale east of Wendover. A free chlorine residual analyzer and pressure transducer installed in the West Odour Control Chamber on Rue Principale reports back to the SCADA system.
Wtp High Lift Pumps	Treated Water Poe	Pumphouse	7200 County Road 17,	Two vertical turbine high lift pumps each rated at 19.5 L/s at 50 m TDH supply the elevated water storage reservoir and distribution system. A magnetic flow meter measures and records the flow out of the WTP. The water level in the elevated tank controls the start/stop of the high lift pumps.
Wtp Disinfection	Method Of Disinfection	Chlorination	7200 County Road 17,	Sodium Hypochlorite is injected post-filters and pre-reservoir to provide primary disinfection. A high enough residual is maintained to ensure a proper secondary disinfection with free chlorine.
Wtp Motor Control Center	Other	Other	7200 County Road 17,	Power to the WTP electrical equipment is provided by a motor control system located in the lower part of the building adjacent to the surge pit. A sump for waste water with a pump is located in the electrical room.
Wtp Chemical Dosing Systems	Other	Treatment Facility	7200 County Road 17,	<p>The following chemicals are used at the Wendover WTP:</p> <ul style="list-style-type: none"> • PAX-XL6, from KEMIRA as a coagulant for treatment process; • PAS-8, from KEMIRA as a coagulant for treatment process; • A polymer (LT27AG) from BASF as a coagulant aid for treatment process; • Sodium Carbonate (soda ash) for pH control; • 12% Sodium Hypochlorite for chlorination.

DWS Component Information Report for 260004293

as of 19-NOV-2024

LWIS Component Name	LWIS Component Type	LWIS Component Sub-Type	Component Address	Comments
Wtp Scada System	Other	Treatment Facility	7200 County Road 17,	The plant operation and processes are monitored and controlled by Programmable Logic Controllers (PLC) overseen by a Supervisory Control and Data Acquisition (SCADA) system. The facility wide integrated process control system minds low and high lift pumps, chemical feed pumps, mechanized valves, level and pressure transducers, chemical pumping systems and continuous analyzers.
Wtp Raw Water Intake & Pumping Station	Source	Surface Water	Avenue Du Quay,	<p>The Wendover Water Treatment Plant (WTP) draws from the Ottawa River. The intake is submerged approximately 10 m below surface and draws water through a 200 mm diameter polyethylene pipe with a coarse mesh screen approximately 195 m in length. In 2011, the intake crib was rebuilt and now includes a three sided box with screens. The intake line can be flushed by using the WTP high lift pumps in case of frazil ice. Since the intake modifications, no frazil ice has formed at the intake.</p> <p>A low lift pumping station at the North end of Avenue du Quay in Wendover includes two removable screens, three (3) horizontal centrifugal pumps each rated at 10.5 L/s at a total dynamic head of 21 m. The pumps are in parallel. The low lift pumps are controlled by the clear well level.</p>
Wtp Filtration	Other	Treatment Facility	7200 County Road 17,	A dual media filter with surface agitator including a backwash system receives the water from the coagulating process. Turbidity meters and magnetic flow meters monitor the filter effluent lines. Two submersible backwash pumps each rated at 45.6 L/s at a TDH of 23.3 m pump water from the reservoirs during backwash of the filter. Backwash volumes are monitored and recorded by a magnetic flow meter on the backwash line.
Wtp Ph Control	Treated Water Poe	Chemical Addition	7200 County Road 17,	Soda Ash is added to the disinfected water to provide pH correction.

APPENDIX C
INSPECTION RISK RATING (IRR)

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

DWS Name:	WENDOVER DRINKING WATER SYSTEM
DWS Number:	260004293
DWS Owner:	THE CORPORATION OF THE TOWNSHIP OF ALFRED AND PLANTAGENET
Municipal Location:	ALFRED AND PLANTAGENET
Regulation:	O.REG. 170/03
DWS Category:	DW Municipal Residential
Type of Inspection:	Focused
Compliance Assessment Start Date:	Sep-26-2024
Ministry Office:	Cornwall Area Office

Maximum Risk Rating: 504

Inspection Module	Non Compliance Risk (X out of Y)
Capacity Assessment	0/30
Certification and Training	0/42
Distribution System	0/4
Logbooks	0/14
Operations Manuals	0/14
Reporting & Corrective Actions	0/74
Source	0/0
Treatment Processes	0/214
Water Quality Monitoring	0/112
Overall - Calculated	0/504

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:	WENDOVER DRINKING WATER SYSTEM
DWS Number:	260004293
DWS Owner Name:	THE CORPORATION OF THE TOWNSHIP OF ALFRED AND PLANTAGENET
Municipal Location:	ALFRED AND PLANTAGENET
Regulation:	O.REG. 170/03
DWS Category:	DW Municipal Residential
Type of Inspection:	Focused
Compliance Assessment Start Date:	Sep-26-2024
Ministry Office:	Cornwall Area Office

All legislative requirements were met. No detailed rating scores.

Maximum Question Rating: 504

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