

Ministry of the Environment,
Conservation and Parks

Drinking Water and Environmental
Compliance Division
Southwest Region
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Ministère de l'Environnement, de la Protection
de la nature et des Parcs

Division de la conformité en matière d'eau potable et
d'environnement
Région Sud-Ouest
733, rue Exeter
London, ON N6E 1L3
Tel (519) 873-5000



May 30, 2024

The Township of Lucan Biddulph
270 Main Street
Lucan, Ontario N0M 2J0

Attention: Jeff Little, Manager of Public Works

Re: Granton Waste Water Treatment Plant Inspection Report
Inspection conducted on March 5, 2024

Dear Mr. Little,

Enclosed is a copy of the inspection report prepared for the Granton Wastewater Treatment Plant under the Ministry's detailed inspection protocol, to assess compliance with Ontario's applicable environmental legislation.

"Actions Required" are linked to incident(s) of non-compliance with regulatory requirements contained within an Act, Regulation, site-specific approval(s), order(s), or instruction(s). These violations will be monitored for compliance. Where risk is deemed high and/or compliance is an ongoing concern, violation(s) will be forwarded to this Ministry's Investigation and Enforcement Branch.

"Recommendations" convey information that the owner or operating authority should consider implementing to conform with existing and emerging industry best practices.

If you have any questions regarding the report, please get in touch with me at karen.machado2@ontario.ca.

Regards,

A handwritten signature in black ink that reads "Karen Machado".

Karen Machado
Provincial Officer
London District Office

cc. Ontario Clean Water Agency
London District File



GRANTON WASTEWATER TREATMENT PLANT
Physical Address: 34195 GRANTON LINE, , LUCAN
BIDDULPH, ON N0M 1V0

INSPECTION REPORT

Entity: THE TOWNSHIP OF LUCAN
BIDDULPH
ONTARIO CLEAN WATER
AGENCY
Inspection Start Date: February 21, 2024
Site Inspection Date: March 05, 2024
Inspection End Date: May 28, 2024
Inspected By: Karen Machado
Badge #: 1415



(signature)

NON-COMPLIANCE

The following item(s) have been identified as non-compliance, based on a "No" response captured for a legislative question(s). For additional information on each question see the Inspection Details section of the report.

Ministry Program: SEWAGE | **Regulated Activity:** Municipal Sewage

Item	Question	Compliance Response/Corrective Action(s)
NC-1	<p>Question ID: MWW108000</p> <p>Are the flow measuring devices installed, calibrated and maintained in accordance with the requirements of the Environmental Compliance Approval?</p>	<p>Flow measuring devices were not installed, calibrated and maintained in accordance with the requirements of the Environmental Compliance Approval.</p> <p>CORRECTIVE ACTION: The owner shall ensure that a Final Effluent flow meter is installed in accordance with Condition 9 (5) b. of ECA No. 2212-AJDKEV. Compliance will be verified in the next inspection.</p>
NC-2	<p>Question ID: MWW121000</p> <p>Do sewage works effluent sample results show compliance with total suspended solids limits prescribed by the Environmental Compliance Approval?</p>	<p>The sewage works effluent sample results did not demonstrate compliance with total suspended solids limits prescribed by the Environmental Compliance Approval.</p> <p>CORRECTIVE ACTION: The owner/operating authority shall continue to operate the plant to ensure that effluent TSS concentration limits are not exceeded.</p>

RECOMMENDATIONS

The following item(s) have been identified as non-conformance, based on a "No" response captured for a best management practice (BMP) question(s). For additional information on each question see the Inspection Details section of the report.

Ministry Program: SEWAGE | **Regulated Activity:** Municipal Sewage

Item	Question	Recommendation(s)
R-1	<p>Question ID: MWW195000</p> <p>Was the sewage works in conformance with the effluent total suspended solids concentration and loading objectives listed in the Environmental Compliance Approval or Order?</p>	<p>The sewage works was not in conformance with the effluent total suspended solids concentration and/or loading objectives listed in the ECA or an Order during the review period.</p> <p>Recommendations</p> <p>It is recommended that the owner and operating authority ensure best efforts are utilized to conform with effluent objectives stipulated by the ECA.</p>
R-2	<p>Question ID: MWW199000</p> <p>Was the sewage works in conformance with the effluent pH objectives listed in the Environmental Compliance Approval or an Order?</p>	<p>The sewage works was not in conformance with the effluent pH objectives listed in the ECA or an Order during the review period.</p> <p>Recommendations</p> <p>It is recommended that the owner and operating authority ensure best efforts are utilized to conform with effluent objectives stipulated by the ECA.</p>

INSPECTION DETAILS

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

Ministry Program: SEWAGE | **Regulated Activity:** Municipal Sewage

Question ID	MWW100000	Question Type	Information
<p>Legislative Requirement(s): Not Applicable</p>			
<p>Question: What was the scope of this inspection?</p>			
<p>Compliance Response(s)/Corrective Action(s)/Observation(s): The primary focus of this inspection is to confirm compliance with Ministry of the Environment, Conservation and Parks (MECP) legislation as well as evaluating conformance with ministry policies and guidelines during the inspection period. This wastewater treatment and collection system is subject to the legislative requirements of the Ontario Water Resources Act (OWRA) and the Environmental Protection Act (EPA) and regulations made therein. This inspection has been conducted pursuant to Section 15 of the OWRA and Section 156 of the EPA. 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.</p> <p>The inspection included a review of information contained within Ministry files, a review of selected plant operating data from January 1, 2022, to December 31, 2023, along with other information provided by the Operating Authority, the Ontario Clean Water Agency (OCWA) during the inspection.</p> <p>A detailed assessment of compliance with the terms and conditions of the current Environmental Compliance Approvals (ECAs) for the inspection period #2212-AJDKEV, Issue Date: March 30, 2017, and (CLI-ECA) Number: 050-W60, Issue Number: 1, Issue Date: December 7, 2022, along with applicable Ministry guidelines was undertaken.</p> <p>The physical inspection was conducted on March 5, 2024, of the wastewater treatment plant, the outfall and the pumping station.</p> <p>Staff from OCWA accompanied the Provincial Officer on the inspection and were interviewed regarding general plant operation, maintenance, monitoring, and record-keeping practices. Additional information was provided as requested.</p>			

Question ID	MWW101000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Does a valid Environmental Compliance Approval(s) exist for the facility?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner had a valid Environmental Compliance Approval for the sewage works.			
The Granton Wastewater Treatment System operates under:			
Amended Environmental Compliance Approval (ECA) Number 2212-AJDKEV, Issue Date: March 30, 2017.			
Environmental Compliance Approval For a Municipal Sewage Collection System (CLI-ECA) Number: 050-W60, Issue Number: 1, Issue Date: December 7, 2022.			

Question ID	MWW102000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Does the facility's Environmental Compliance Approval contain conditions consistent with a modern Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The facility's Environmental Compliance Approval contains conditions consistent with a modern Environmental Compliance Approval.			
ECA No. 2212-AJDKEV contains the following conditions:			
<ul style="list-style-type: none"> • Effluent discharge limits and the sewage works discharges to a surface water receiver; • Effluent objectives; • Effluent monitoring requirements; • Spill Reporting requirements; • Bypass/Overflow reporting requirements; • Exceedance reporting requirements; • Operation and maintenance manual/ contingency plan requirements; • Complaint response procedure requirements; • As constructed, and up-to-date plans/drawing requirements; • Flow monitoring requirements; • Annual performance reporting requirements; and, 			

- Limited Operational Flexibility.

Question ID	MWW106000	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: Is the owner in conformance with the designed rated capacity for average daily flow into the sewage works?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner was in conformance with the designed rated capacity for average daily flow into the sewage works.			
<p>ECA No. 2212-AJDKEV defines "Rated Capacity" as the Annual Average Daily Influent Flow for which the Sewage Treatment Plant is designed to handle. The facility has a Rated Capacity of 270 m3/day.</p> <p>The Annual Average Daily Influent Flow for 2022 and 2023 was approximately 89.55 m3/day and 112 m3/day, respectively. The 25% increase in flow in 2023 was due to wet weather conditions. In 2023, there were 13 days when the influent flow exceeded the rated capacity, an increase from 7 in 2022. All daily exceedances were caused by precipitation and snowmelt.</p>			

Question ID	MWW104000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Was the annual average daily flow below 80% of the rated capacity of the sewage works?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The annual average daily flow was not approaching the rated capacity of the sewage works.			
<p>The Annual Average Daily influent flow was 33% of the rated capacity in 2022 and 41.5% in 2023.</p>			

Question ID	MWW108000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			

Question:

Are the flow measuring devices installed, calibrated and maintained in accordance with the requirements of the Environmental Compliance Approval?

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

Flow measuring devices were not installed, calibrated and maintained in accordance with the requirements of the Environmental Compliance Approval.

CORRECTIVE ACTION:

The owner shall ensure that a Final Effluent flow meter is installed in accordance with Condition 9 (5) b. of ECA No. 2212-AJDKEV. Compliance will be verified in the next inspection.

Under Condition 9 (5) of ECA No. 2212-AJDKEV, the Owner shall install and maintain flow monitoring equipment, with an accuracy to within plus or minus 15 per cent (+/- 15%) of the actual flowrate for the entire design range of the flow measuring device, and to totalize and record the quantity of the flow at hourly/daily intervals, for the following sewage streams;

- a. Influent flow to the Sewage Treatment Plant by continuous flow measuring devices and instrumentations;
- b. Final Effluent discharged from the Sewage Treatment Plant by continuous flow measuring devices and instrumentations.

The influent flow meter underwent annual calibration by an external contractor, as indicated in the provided calibration records.

During the physical inspection, it was noted that a Final Effluent flow meter had not been installed.

Question ID	MWW109000	Question Type	Legislative
<p>Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);</p>			
<p>Question: Were flow rates recorded at a frequency prescribed by the Environmental Compliance Approval?</p>			
<p>Compliance Response(s)/Corrective Action(s)/Observation(s): Flow rates were recorded at a frequency prescribed by the Environmental Compliance Approval.</p>			

Question ID	MWW112000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Has the owner ensured that all equipment/components associated with the works have been installed in accordance with the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner had ensured that all equipment/components associated with the works was installed in accordance with the Environmental Compliance Approval.			
As part of the physical inspection, the equipment installed in the sewage works facilities was examined against the description provided in the Granton Wastewater Treatment Plant's ECA No. 2212-AJDKEV and the collection system CLI-ECA No. 050-W60. It was observed that the equipment was consistent with the descriptions provided in the ECAs.			

Question ID	MWW114000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Has the owner of the sewage works complied with additional requirements of the Environmental Compliance Approval(s) pertaining to the operation and maintenance of the sewage works?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner of the sewage works had complied with all additional requirements of the Environmental Compliance Approval pertaining to the operation and maintenance of the sewage works.			
Condition 8 (1) of the ECA has additional requirements for operation and maintenance.			
The Owner shall exercise due diligence in ensuring that, at all times, the Works and the related equipment and appurtenances used to achieve compliance with this Approval are properly operated and maintained. Proper operation and maintenance shall include effective performance, adequate funding, adequate operator staffing and training, including training in all procedures and other requirements of this Approval and the OWRA and regulations, adequate laboratory facilities, process controls and alarms and the use of process chemicals and other substances used in the Works.			
It was noted during the inspection that the chemical additions at this facility are not flow paced; Operators make adjustments to the chemical dosing based on observations. Wet			

weather events are unpredictable and difficult to manage to maintain compliance.

Question ID	MWW113000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Are the works, related equipment and appurtenances being operated and maintained to achieve compliance prescribed by the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The works, related equipment and appurtenances were being operated and maintained to achieve compliance prescribed by the Environmental Compliance Approval.			

Question ID	MWW115000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 18 (2);			
Question: Does the operator-in-charge ensure that all equipment used in the treatment processes is monitored, maintained, inspected, tested and evaluated?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The operator-in-charge had ensured that all equipment used in the processes was monitored, maintained, inspected, tested and evaluated. The operating authority utilizes a software program that automatically provides routine equipment inspection and preventative maintenance work orders. A summary of completed work orders can be found in Appendix B of the facility's 2022 and 2023 Annual Reports.			

Question ID	MWW117000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: On the day of the inspection, was the sewage works effluent essentially free of foreign substances?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sewage works effluent was essentially free of foreign substances on the day of the inspection.			

During the physical inspection, there was no excessive biofilm build-up on the RBC and the effluent discharge to the drain was visually free of solids, sheen, film, foam, and discoloration.

Question ID	MWW192000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Does a lagoon form part of the system?			
Compliance Response(s)/Corrective Action(s)/Observation(s): A lagoon does not form part of the system			

Question ID	MWW119000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Are the sewage works effluent limits prescribed by the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sewage works effluent limits were prescribed by the Environmental Compliance Approval.			
The Effluent Limits are prescribed in Condition 7 of the ECA.			
(1) The Owner shall operate and maintain the Works such that the compliance limits of the materials named below as effluent parameters are met in the Final Effluent from the Sewage Treatment Plant.			
<ul style="list-style-type: none"> • CBOD5 – 10.0mg/L • Total Suspended Solids – 10.0mg/L • Total Phosphorus - 0.3mg/L (May 1 to Nov 30), 0.8 (Dec 1 to Apr 30) • Total Ammonia Nitrogen - 3.0mg/L (May 1 to Nov 30), 5.0 (Dec 1 to Apr 30) • E. coli - 200 counts/100mL monthly geometric mean density • pH - 6.0 - 9.5 inclusive, as measured in any Individual Sample 			

- Dissolved Oxygen level below 4.0 mg/L, as measured in any Single Sample

Question ID	MWW120000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Do the sewage works effluent sample results show compliance with BOD5 or CBOD5 limits prescribed by the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sewage works effluent sample results demonstrated compliance with BOD5 or CBOD5 limits prescribed by the Environmental Compliance Approval.			
The maximum monthly average concentration of CBOD5 was 3.0 mg/L in 2022 and 2.5 mg/L in 2023, both below the ECA's compliance limit of 10.0 mg/L.			

Question ID	MWW121000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Do sewage works effluent sample results show compliance with total suspended solids limits prescribed by the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sewage works effluent sample results did not demonstrate compliance with total suspended solids limits prescribed by the Environmental Compliance Approval.			
CORRECTIVE ACTION: The owner/operating authority shall continue to operate the plant to ensure that effluent TSS concentration limits are not exceeded.			
The monthly average concentration limit for TSS in the ECA is 10.0 mg/L.			
In 2022, There were six monthly average TSS concentration limit exceedances:			
January – 12.3 mg/L			
February – 14.7 mg/L			
March – 10.2 mg/L			
April – 11.0 mg/L			
October – 10.5 mg/L			

December – 10.8 mg/L

All exceedances were reported to MECP as required.

In 2022, there were fluctuations in flows due to wet weather events. Chemical pumps are not flow-paced, which makes it difficult to manage the dosages during flow fluctuations. The operational staff monitored TSS concentrations in-house and optimized chemical dosages to meet concentration limits and objectives.

To improve the process, the following adjustments were made, with further action being taken in 2023:

- Operators removed small volumes of sludge from the RBC process at increased frequencies to avoid a buildup of aged sludge. This helped to enhance process operations by reducing sludge age.
- Operators cleaned the process and completed repairs as needed.
- Floats were installed in the filters to allow additional media to be added without risking media washout.

The operating authority's corrective actions in 2022 resulted in a decrease in effluent TSS concentrations in 2023, with no limit exceedances.

Question ID	MWW122000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (2);			
Question: Do sewage works effluent sample results show compliance with total phosphorus limits prescribed by the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sewage works effluent sample results demonstrated compliance with total phosphorous limits prescribed by the Environmental Compliance Approval. The maximum monthly average concentration of TP was 0.14 mg/L in 2022, and 0.08 mg/L in 2023, both below the ECA's compliance limit of 0.30 mg/L (May 1 to Nov 30) and 0.80 mg/L (Dec 1 to Apr 30).			

Question ID	MWW124000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Do sewage works effluent sample results show compliance with total ammonia/total ammonia nitrogen/unionized ammonia limits prescribed by the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sewage works effluent sample results demonstrated compliance with total ammonia/total ammonia nitrogen/unionized ammonia limits prescribed by the Environmental Compliance Approval.			
The maximum monthly average concentration on TAN was 1.48 mg/L in 2022 and 0.12 mg/L in 2023, both below the ECA's compliance limits of 3.0 mg/L (May 1 to Nov 30) and 5.0 mg/L (Dec 1 to Apr 30).			

Question ID	MWW126000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Do sewage works effluent sample results show compliance with the pH limits prescribed by the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sewage works effluent sample results demonstrated compliance with pH limits prescribed by the Environmental Compliance Approval.			
The ECA requires the pH of the Final Effluent to be within the range of 6.0 - 9.5, inclusive, as measured in any Individual Sample.			
The plant operators tested the pH of the final effluent in-house. In 2022, the pH range measured from 6.36 to 7.93, while in 2023 it ranged from 6.18 to 7.8.			

Question ID	MWW125000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Do sewage works effluent sample results show compliance with microbiological parameter limits prescribed by the Environmental Compliance Approval?			

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

The sewage works effluent sample results demonstrated compliance with microbiological parameter limits prescribed by the Environmental Compliance Approval.

Condition 7 of the ECA requires that the Final Effluent is continuously disinfected so that the monthly Geometric Mean Density of E. coli does not exceed 200 organisms per 100 millilitres of Final Effluent.

Question ID	MWW127000	Question Type	Legislative
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Legislative Requirement(s):

OWRA | 53 | (1); OWRA | 53 | (2);

Question:

For any additional parameters, do sewage works effluent sample results show compliance with the limits prescribed by the Environmental Compliance Approval?

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

The sewage works effluent sample results demonstrated compliance with additional limits prescribed by Environmental Compliance Approval.

Condition 7 of the ECA requires that the Dissolved Oxygen level in the Final Effluent does not fall below 4.0 mg/L, as measured in any Single Sample.

In 2022 sample results ranged from 5.0 mg/L to 9.81 mg/L and 6.86 mg/L to 10.78 mg/L in 2023.

Question ID	MWW128000	Question Type	Information
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Legislative Requirement(s):

Not Applicable

Question:

Was the sewage works in conformance with the concentration and effluent loading objectives for all parameters listed in the Environmental Compliance Approval or Ministry Order?

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

The sewage works did not conform with all effluent parameters for concentration and/or loading objectives during the review period.

Question ID	MWW194000	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: Was the sewage works in conformance with the effluent BOD5 or CBOD5 concentration and loading objectives listed in the Environmental Compliance Approval or Order?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sewage works was in conformance with effluent BOD5 or CBOD5 concentration and loading objectives during the review period.			
Condition 6 of the ECA outlines the Effluent Objectives. The CBOD5 of 5.0 mg/L was met in 2022 and 2023.			

Question ID	MWW195000	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: Was the sewage works in conformance with the effluent total suspended solids concentration and loading objectives listed in the Environmental Compliance Approval or Order?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sewage works was not in conformance with the effluent total suspended solids concentration and/or loading objectives listed in the ECA or an Order during the review period.			
Recommendations			
It is recommended that the owner and operating authority ensure best efforts are utilized to conform with effluent objectives stipulated by the ECA.			
Condition 6 of ECA No. 2212-AJDKEV prescribes the monthly average effluent concentration objective for total suspended solids as 5 mg/L.			
The effluent objective for total suspended solids was exceeded for 11 months in 2022 and 9 months in 2023. It was reported that the exceedances were attributed to variations in raw water and the lack of flowpaced chemical addition. Several operational changes were made in 2022 to optimize the plant. The enhanced sludge hauling and optimization of coagulant dosing are believed to have improved plant performance.			

Question ID	MWW196000	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: Was the sewage works in conformance with the effluent total phosphorous concentration and loading objectives listed in the Environmental Compliance Approval or Order?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sewage works was in compliance with the effluent total phosphorous concentration and loading objectives during the review period.			

Question ID	MWW198000	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: Was the sewage works in conformance with the effluent total ammonia/total ammonia nitrogen concentration and loading objectives listed in the Environmental Compliance Approval or an Order?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sewage works was in conformance with the effluent total ammonia/total ammonia-nitrogen effluent concentration/loading objectives during the review period.			

Question ID	MWW199000	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: Was the sewage works in conformance with the effluent pH objectives listed in the Environmental Compliance Approval or an Order?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sewage works was not in conformance with the effluent pH objectives listed in the ECA or an Order during the review period.			
Recommendations			
It is recommended that the owner and operating authority ensure best efforts are utilized to conform with effluent objectives stipulated by the ECA.			
Condition 6 of ECA No. 2212-AJDKEV prescribes the effluent concentration objective for the			

pH to be maintained between 6.5 – 8.5 inclusive, at all times.

In 2022 the objective was not met in July (pH 6.36).

In 2023, the objective was not met In November and December 2023 (6.18), this was due to optimizing the coagulant dosage that dropped the pH.

Question ID	MWW200000	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: Was the sewage works in conformance with the effluent microbiological parameter objectives listed in the Environmental Compliance Approval or an Order?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sewage works was in conformance with the effluent microbiological objectives during the review period.			
Condition 6 of ECA No. 2212-AJDKEV prescribes the monthly geometric mean density effluent objective for E. coli as 150 CFU/100mL.			

Question ID	MWW116000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Where prescribed by the Environmental Compliance Approval, can the owner/operating authority demonstrate that best efforts were used to achieve the objectives listed in the Approval conditions?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner/operating authority was able to demonstrate that best efforts were used to achieve the objectives listed in the Environmental Compliance Approval conditions.			
Additional operational activities completed in 2022 to strive to meet Environmental Compliance Approval Effluent objectives included the removal of sludge from the RBC unit at increased intervals, chemical jar testing and dosage adjustments, the addition of the Micro-Tab and SR2 products to assist in reducing the fats, oil and grease build-up, adjustments to clarifier pump run time sequence to determine optimal clarifier sludge depth level and hosting members of the OCWA Process Optimization & Technical Services (POTS) Team on site. In 2023, the Granton WWTP saw a 29% decrease from 2022 in the average monthly Total			

Suspended Solids. There were no limit exceedances in 2023; in comparison, there were six limit exceedances for TSS in 2022. Enhanced sludge hauling and optimization of coagulant dosing is believed to have improved performance.

Question ID	MWW134000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Are the sampling requirements prescribed by the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The sampling requirements were prescribed by the Environmental Compliance Approval.			
<p>Condition 9 of the ECA prescribes the sampling requirements. According to the operating authority, a facility sampling schedule calendar is prepared annually and reviewed with operational staff; the sampling schedule calendar identifies sample collection dates to meet regulatory requirements of the Environmental Compliance Approval.</p>			

Question ID	MWW137000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Are all sewage works influent sampling (raw sewage) requirements prescribed by the Environmental Compliance Approval being met?			
Compliance Response(s)/Corrective Action(s)/Observation(s): All sewage works influent (raw sewage) sampling requirements prescribed by the Environmental Compliance Approval were met.			
<p>The ECA requires monthly composite influent (raw sewage) sampling for BOD5, Total Suspended Solids, Total Phosphorus, and Total Kjeldahl Nitrogen.</p>			
<p>The operating authority confirmed that the ECA sampling requirements were met based on the monthly sample results provided. Additionally, samples for Total Oil and Grease and Alkalinity were collected regularly.</p>			

Question ID	MWW136000	Question Type	Legislative
<p>Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);</p>			
<p>Question: Are all sewage works effluent sampling requirements prescribed by the Environmental Compliance Approval being met?</p>			
<p>Compliance Response(s)/Corrective Action(s)/Observation(s): All sewage works effluent sampling requirements prescribed by the Environmental Compliance Approval were met.</p> <p>The ECA requires weekly effluent sampling from the Final Effluent Sampling Point.</p> <p>Composite Samples CBOD5 Total Suspended Solids Total Phosphorus Total Ammonia Nitrogen (pH and Temperature)</p> <p>Grab Samples E. Coli pH Temperature Dissolved Oxygen</p> <p>Calculated Unionized Ammonia</p> <p>The sample results provided for the inspection period confirm that the ECA effluent sampling requirements were met.</p>			

Question ID	MWW111000	Question Type	Legislative
<p>Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);</p>			
<p>Question: Are all monitoring equipment other than flow monitoring devices installed, calibrated and maintained in accordance with any Environmental Compliance Approval?</p>			
<p>Compliance Response(s)/Corrective Action(s)/Observation(s): All monitoring equipment other than flow monitoring devices were installed, calibrated and maintained in accordance with any Environmental Compliance Approval.</p>			

Condition 9 of the ECA requires the pH of the final effluent be determined in the field at the time of sampling for Total Ammonia Nitrogen.

The operating authority has a Standard Operating Procedure for pH Electrode Operation and Calibration that provides direction on verification and calibration. Operators are to ensure the accuracy of the pH meter before each use and calibration from time to time. The operator records the checks on the WWTP round sheets.

Question ID	MWW142000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Has the owner maintained the monitoring records for the period prescribed by the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner had maintained the monitoring records for the period prescribed by the Environmental Compliance Approval.			
Condition 9 of the ECA states The Owner shall retain for a minimum of five (5) years from the date of their creation, all records and information related to or resulting from the monitoring activities required by this Approval.			

Question ID	MWW145000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Are the reporting requirements prescribed by an Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The reporting requirements were prescribed by an Environmental Compliance Approval.			
Condition 9 of the ECA lists the reporting requirements.			
(1) The Owner shall report to the Water Supervisor orally as soon as possible any non-compliance with the effluent criteria, and in writing within seven (7) days of non-compliance.			
(2) In addition to the obligations under Part X of the Environmental Protection Act, the Owner shall, within ten (10) working days of the occurrence of any reportable spill as defined in Ontario Regulation 675/98, bypass or loss of any product, by-product, intermediate product,			

oil, solvent, waste material or any other polluting substance into the environment, submit a full written report of the occurrence to the Water Supervisor describing the cause and discovery of the spill or loss, clean-up and recovery measures taken, preventative measures to be taken and schedule of implementation.

(3) The Owner shall, upon request, make all manuals, plans, records, data, procedures and supporting documentation available to Ministry staff.

(4) The Owner shall prepare performance reports on an annual basis and submit to the Water Supervisor by March 31 of the calendar year following the period being reported upon. The reports shall contain, but shall not be limited to, the following information:

a. a summary and interpretation of all monitoring data and a comparison to the Final Effluent limits outlined in Compliance Limits condition, including an overview of the success and adequacy of the Works;

b. a description of any operating problems encountered and corrective actions taken;

c. a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the Works;

d. a summary of any effluent quality assurance or control measures undertaken in the reporting period;

e. a summary of the calibration and maintenance carried out on all effluent monitoring equipment;

f. a description of efforts made and results achieved in meeting the Design Objectives of Condition 6;

g. a tabulation of the volume of sludge generated in the reporting period, an outline of anticipated volumes to be generated in the next reporting period and a summary of the locations to where the sludge was disposed;

h. a summary of any complaints received during the reporting period and any steps taken to address the complaints;

i. a summary of all By-pass, spill or abnormal discharge events;

j. a copy of all Notice of Modifications submitted to the Water Supervisor as a result of Schedule B, Section 1, with a status report on the implementation of each modification;

k. a report summarizing all modifications completed as a result of Schedule B, Section 3; and
l. any other information the Water Supervisor requires from time to time.

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Question ID	MWW146000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Do the annual performance reports meet the submission and contents requirements of the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The annual performance reports met the submission and contents requirements of the Environmental Compliance Approval.			

Question ID	MWW144000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Were all exceedances of any prescribed parameters reported in accordance with the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): All exceedances of any prescribed parameters were reported in accordance with the Environmental Compliance Approval.			
<p>In 2022, There were six monthly average Total Suspended Solids concentration limit exceedances:</p> <p>January – 12.3 mg/L February – 14.7 mg/L March – 10.2 mg/L April – 11.0 mg/L October – 10.5 mg/L December – 10.8 mg/L</p> <p>All exceedances were reported in accordance with the ECA.</p>			

Question ID	MWW149000	Question Type	Information
Legislative Requirement(s): Not Applicable			

Question:

Have any bypasses/overflows occurred at the sewage works during the inspection period?

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

Bypasses/overflows had occurred at the sewage works during the inspection period.

During the inspection period, there were two bypass events. Details of the events were documented in the Annual Performance Reports.

On July 20, 2022, the Granton Wastewater Treatment Plant was without power due to an area storm and a failure of the backup power generator equipment. The facility's UV Disinfection System requires power to operate; final effluent bypassed UV disinfection from 08:15 to 08:45 on July 20, 2022. The responding Operator was able to manually start the backup power generator restoring power to the facility and reset the UV Disinfection System and ending the bypass event. An estimated 1.2 m³ of effluent bypassed UV Disinfection during this 30 minute bypass event. Bypass samples were collected and submitted to the lab for analysis; all regulated notifications were completed.

On March 25, 2023, there was a bypass event at the Granton WWTP. A windstorm created a power failure and the back-up generator failed. This resulted in a bypass of the UV disinfection system of less than 1 m³ of effluent for 45 minutes. Due to Operator error, neither the Spills Action Centre nor the Medical Officer of Health were notified at the time of the event, nor were samples taken. Consequently, on March 27, 2023, appropriate notifications were made as well as a report of non-compliance to the MECP.

Question ID	MWW148000	Question Type	Legislative
<p>Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);</p>			
<p>Question: For all bypasses/overflows which occurred from any portion of the sewage works, did the owner/operator maintain a logbook and/or records in accordance with the Environmental Compliance Approval?</p>			
<p>Compliance Response(s)/Corrective Action(s)/Observation(s): The owner/operator maintained a logbook and/or records of all bypasses/overflows which occurred from any portion of the sewage works in accordance with the Environmental Compliance Approval.</p> <p>Condition 4 of the ECA requires after each Bypass Event, the Owner shall collect and record the following information:</p> <ol style="list-style-type: none"> a. the duration of the Bypass Event; b. the measured or the estimated volume of Bypass. 			

The operating authority records all events on a Bypass, Overflow or Spill Form that documents the location, duration and estimated volume. Additionally, it provides details of the cause, the treatment process bypassed, efforts made, sampling conducted and notification information.

Question ID	MWW150000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: For all bypasses/overflows which occurred from the sewage treatment plant, were samples collected and analyzed in accordance with the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): For all bypasses/overflows which occurred from the sewage treatment plant, samples were collected and analyzed in accordance with the Environmental Compliance Approval.			
On March 27, 2023, the operating authority sent a Notification of Non-Compliance per ECA Bypasses to the London District Office after the incident was reviewed and it was identified that flow would have been passing through the UV channel without power during the event on March 25. As per Condition 4 of the ECA samples were not collected during the event but on March 27 once the event was identified.			

Question ID	MWW152000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Were notices and written reports provided to the Ministry for all bypasses/overflows which occurred from any portion of the sewage works in accordance with the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Notices and written reports of all bypasses/overflows were provided to the Ministry in accordance with the Environmental Compliance Approval.			

Question ID	MWW156000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Does this plant receive sewage from a combined sewer collection system?			

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

The plant received sewage from a nominally separated sewer collection system.

Question ID	MWW193000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Does the facility generate biosolids?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The system generates biosolids			

Question ID	MWW162000	Question Type	Legislative
Legislative Requirement(s): EPA 40;			
Question: Do the records confirm that biosolids were transferred to a Ministry approved facility for disposal or utilization?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Records confirm that biosolids were transferred to a Ministry approved facility for disposal or utilization.			
In 2023, the Granton WWTP generated 880.7 m ³ of sludge and 674 m ³ in 2022. This sludge was hauled to the Lucan Water Pollution Control Plant (WPCP) digesters.			

Question ID	MWW163000	Question Type	Legislative
Legislative Requirement(s): EPA 41;			
Question: Do records confirm that biosolids were transported for disposal or utilization by Ministry approved haulers?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Records confirm that biosolids were transported for disposal or utilization by Ministry approved haulers.			

Question ID	MWW164000	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: Does the facility have a written contingency, or other management methods in place to be used in the event that the facility sludge storage capacity is not sufficient?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner of the facility had written contingency plans or other management methods in place to be used in the event that the facility's sludge storage capacity was not sufficient. The operating authority has a documented Contingency Plan for the Lucan Water Pollution Control Plant and the Granton Water Pollution Plant for excess biosolids. The plan is to be used if an incident that results in an actual or impending excess of bio-solids such as digester failure, loss of available digester storage space due to wet weather, loss of approved bio-solids handlers, loss of available land approved for bio-solids application, etc.			

Question ID	MWW167000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 4 (5);			
Question: Are the classification certificates of the system conspicuously displayed at the workplace or at premises from which the system is managed?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The classification certificates of the subsystems were conspicuously displayed at the workplace or at premises from which the subsystem was managed. The classification certificates, Class 1 Wastewater Treatment and Class 1 Wastewater Collection, issued on June 2, 2003, for the Granton Wastewater Treatment Plant are located on the wall in the main building at the sewage treatment plant.			

Question ID	MWW168000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 13;			
Question: Are operator licences displayed in a conspicuous location at the workplace or at the premises from which the system is managed?			

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

Operator licences were displayed in a conspicuous location at the workplace or at the premises from which the subsystem was managed.

Question ID	MWW169000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 15 (1);			
Question: Has the overall responsible operator been designated for the wastewater treatment and collection facilities?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The overall responsible operator had been designated for the wastewater treatment and collection works.			
The overall responsible operator (ORO) has been designated for the WWTP and collection system. The ORO is documented in the facility logbook.			

Question ID	MWW170000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 15 (2);			
Question: In instances where the overall responsible operator was unable to act, was an adequately licensed operator designated to act in place of the overall responsible operator?			
Compliance Response(s)/Corrective Action(s)/Observation(s): An adequately licensed operator was designated to act in place of the overall responsible operator when the overall responsible operator was unable to act.			
During absences, the ORO assigns a qualified back-up ORO to oversee the wastewater treatment and collection systems. The operator assigned is identified in the logbook.			

Question ID	MWW174000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 17 (1); OWRA O. Reg. 129/04 17 (2);			
Question: Have operators-in-charge been designated for the wastewater treatment plant and all associated collection facilities?			

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

Operators-in-charge were designated for the wastewater treatment plant and all associated collection works.

Operators-in-charge (OIC) have been designated for the WWTP and collection system. The OIC is documented in the facility logbook.

Question ID	MWW175000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 17 (2);			
Question: Did the operator-in-charge ensure that records were maintained of all adjustments made to the processes within his or her responsibility?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The operator-in-charge ensured that records were maintained of all adjustments made to the processes within his or her responsibility.			

Question ID	MWW172000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2);			
Question: Do all operators have the appropriate level of training and or experience for the wastewater treatment and collection facilities in accordance with the requirements of the Environmental Compliance Approval?			
Compliance Response(s)/Corrective Action(s)/Observation(s): All operators have the appropriate level of training and or experience for the wastewater treatment and collection facilities in accordance with the requirements of the Environmental Compliance Approval.			
Condition 8 of the ECA requires that the Owner shall provide for the overall operation of the Works with an operator who holds a licence that is applicable to that type of facility and that is of the same class as or higher than the class of the facility in accordance with Ontario Regulation 129/04.			

Question ID	MWW173000	Question Type	Legislative
Legislative Requirement(s): OWRA O. Reg. 129/04 14 (1);			

<p>Question: Do only licenced operators make adjustments to the treatment equipment?</p>
<p>Compliance Response(s)/Corrective Action(s)/Observation(s): Only licenced operators made adjustments to the treatment equipment.</p>
<p>A review of the facility logbook indicates that operators record maintenance tasks, sampling, and observations at the sewage treatment plant and the collection system. Operators also note when contractors are on-site performing work.</p>

Question ID	MWW176000	Question Type	Legislative
Legislative Requirement(s):			
OWRA O. Reg. 129/04 19 (1); OWRA O. Reg. 129/04 19 (2); OWRA O. Reg. 129/04 19 (3); OWRA O. Reg. 129/04 19 (4); OWRA O. Reg. 129/04 19 (5); OWRA O. Reg. 129/04 19 (6);			
Question:			
Do logs or other record keeping mechanisms for sewage works comply with the record keeping requirements?			
Compliance Response(s)/Corrective Action(s)/Observation(s):			
The logs and other record keeping mechanisms complied with the record keeping requirements.			
The operating authority uses electronic logbooks to record activities conducted on the system. It includes the date, time, operators, abnormal operating conditions and corrective actions taken.			

Question ID	MWW177000	Question Type	Legislative
Legislative Requirement(s):			
OWRA O. Reg. 129/04 19 (6);			
Question:			
Are logs and other record keeping mechanisms available for at least two (2) years?			
Compliance Response(s)/Corrective Action(s)/Observation(s):			
Logs and other record keeping mechanisms were available for at least two (2) years.			

Question ID	MWW178000	Question Type	Legislative
Legislative Requirement(s):			
OWRA 53 (1); OWRA 53 (2);			

Question:

Do the operations and maintenance manuals meet the requirements of the Environmental Compliance Approval?

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

The operations and maintenance manuals met the requirements of the Environmental Compliance Approval.

Condition 8 of the ECA states that the Owner shall maintain the operations manual for the Works, that includes, but not necessarily limited to, the following information:

- a. operating procedures for routine operation of the Works;
- b. inspection programs, including frequency of inspection, for the Works and the methods or tests employed to detect when maintenance is necessary;
- c. repair and maintenance programs, including the frequency of repair and maintenance for the Works;
- d. procedures for the inspection and calibration of monitoring equipment;
- e. a spill prevention control and countermeasures plan, consisting of contingency plans and procedures for dealing with equipment breakdowns, potential spills and any other abnormal situations, including notification of the Water Supervisor; and
- f. procedures for receiving, responding and recording public complaints, including recording any follow-up actions taken.

An electronic copy of the logbook and other Standard Operating Procedures were provided for review during the inspection period. The Manual was issued on June 14, 2013 and has been revised six times with the latest in February 2024. The manual contains the following sections: Introduction, System Overview, Process Area Operations, Maintenance, Record Keeping and Forms, Emergency Planning, Safety, Public Relations and List of Appendices.

Question ID	MWW180000	Question Type	Legislative
<p>Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2); OWRA O. Reg. 129/04 20 (1); OWRA O. Reg. 129/04 20 (2);</p>			
<p>Question: Do the operations and maintenance manuals contain up-to-date plans, drawings and process descriptions sufficient for the safe and efficient operation of the sewage works?</p>			
<p>Compliance Response(s)/Corrective Action(s)/Observation(s): The operations and maintenance manuals contained up-to-date plans, drawings and process</p>			

descriptions sufficient for the safe and efficient operation of the system.

Question ID	MWW179000	Question Type	Legislative
Legislative Requirement(s): OWRA 53 (1); OWRA 53 (2); OWRA O. Reg. 129/04 20 (2); OWRA O. Reg. 129/04 21 (1);			
Question: Do operators and maintenance personnel have ready access to operations and maintenance manuals?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Operators and maintenance personnel had ready access to operations and maintenance manuals.			

Question ID	MWW184000	Question Type	BMP
Legislative Requirement(s): Not Applicable			
Question: Is spill containment provided for the process chemicals and/or standby power generator fuel?			
Compliance Response(s)/Corrective Action(s)/Observation(s): Spill containment was provided for the process chemicals and/or standby power generator fuel.			

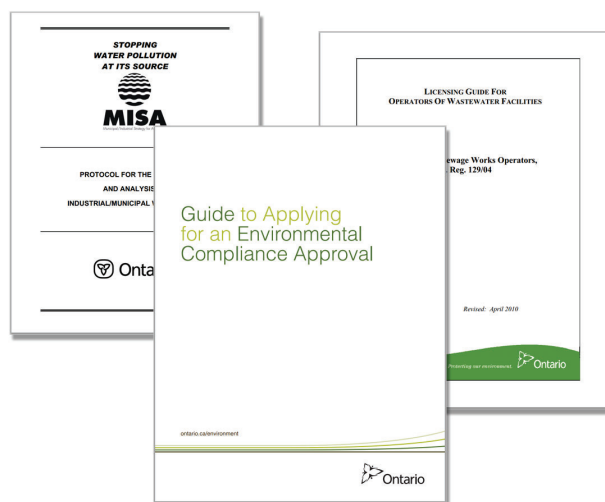
Question ID	MWW185000	Question Type	Information
Legislative Requirement(s): Not Applicable			
Question: Has the owner provided security measures for the facility?			
Compliance Response(s)/Corrective Action(s)/Observation(s): The owner had provided security measures for the facility.			

Helpful Resources for Municipal Wastewater Owners and Operators

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

To access these materials online click on their titles in the table below or use your web browser to search for their titles. Contact the Public Information Centre if you need assistance or have questions at 1-800-565-4923/416-325-4000 or picemail.moe@ontario.ca.

For more information on wastewater visit the Ministry of the Environment and Climate Change's resources website.



	PUBLICATION TITLE	PUBLICATION NUMBER
Environmental Compliance	Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater	
	Guide to Applying for an Environmental Compliance Approval	8527e
	How to Register on the Environmental Activity and Sector Registry	
	Environmental Registration – Standby Power Systems Fact Sheet	8544e
F-Series	F-5-1 Determination of Treatment Requirements for Municipal and Private Sewage Treatment Works Discharging to Surface Waters	1584e01
	F-8 Provision And Operation Of Phosphorus Removal Facilities At Municipal, Institutional And Private Sewage Treatment Works	2250e
	F-10-1 Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only)	3074e
Other	Water Management, Policies, Guidelines: Provincial Water Quality Objectives	3303e
	Licensing Guide for Operators of Wastewater Treatment Facilities	7699e

ontario.ca/drinkingwater

Ressources utiles pour les propriétaires et les exploitants d'installations municipales d'eaux usées

De nombreux documents utiles peuvent vous aider à exploiter votre installation d'eaux usées. Vous trouverez ci-après une liste de documents que les propriétaires et exploitants d'installations municipales d'eaux usées utilisent fréquemment.

Pour accéder à ces documents en ligne, cliquez sur leur titre dans le tableau ci-dessous ou faites une recherche à l'aide de votre navigateur Web. Communiquez avec le Centre d'information au public au 1 800 565-4923 ou au 416 325-4000, ou encore à picemail.moe@ontario.ca si vous avez des questions ou besoin d'aide.

Pour plus de renseignements sur l'eau potable en Ontario, consultez le site www.ontario.ca/eaupotable ou envoyez un courriel à drinking.water@ontario.ca pour suivre l'information sur l'eau potable.



	TITRE DE LA PUBLICATION	NUMÉRO DE PUBLICATION
Conformité environnementale	Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater (en anglais seulement)	
	Guide pour soumettre une demande d'autorisation environnementale	8527f
	Comment s'enregistrer dans le Registre environnemental des activités et des secteurs	
	Enregistrement environnemental – Systèmes d'alimentation électrique d'appoint (feuille de renseignements)	8544f
Série F	F-5-1 Determination of Treatment Requirements for Municipal and Private Sewage Treatment Works Discharging to Surface Waters (en anglais seulement)	1584e01
	F-8 Provision And Operation Of Phosphorus Removal Facilities At Municipal, Institutional And Private Sewage Treatment Works (en anglais seulement)	2250e
	F-10-1 Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works (Liquid Waste Streams Only) (en anglais seulement)	3074e
Autres	Water Management, Policies, Guidelines: Provincial Water Quality Objectives (en anglais seulement)	3303e
	Guide sur l'accréditation des exploitants d'installations d'eaux usées	7699f

ontario.ca/eaupotable