



Township of Oro-Medonte Craighurst Crossing Performance Report 2025

Craighurst Crossing Wastewater Treatment Plant & Sanitary Sewer Collection System Annual Report

(Prepared in accordance with Environmental Compliance Approval 6754-CXZJT6, Section 8.4, and Consolidated Linear Infrastructure Environmental Compliance Approvals, Schedule E, Section 4.6)

Period Covering: January 1, 2025 to December 31, 2025

February 11, 2026

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1 Introduction

The Township of Oro-Medonte (Township) has prepared this report to satisfy the requirements of the Ministry of Environment, Conservation and Parks' Environmental Compliance Approval (ECA), Terms and Conditions, Section 8.4, and Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA), Schedule E, Section 4.6, as outlined below.

This report covers the period of January 1 to December 31, 2025, and applies to the following wastewater treatment plant and sanitary sewer collection systems:

- Craighurst Crossing Wastewater Treatment Plant - ECA #6754-CXZJT6 (Issue date: May 23, 2024).
- Craighurst Crossing Sanitary Sewer Collection System - CLI-ECA #126-W601 (Issue date: January 11, 2023)

For clarity, although the regulatory documentation uses the terms “sewage treatment plant” and “sewage collection system,” this report will refer to these components as the “Craighurst Crossing Wastewater Treatment Plant (WWTP)” and the “Craighurst Crossing Sanitary Sewer Collection System,” respectively. All references to “sewage” will be replaced with either “wastewater” or “sanitary sewer”, as appropriate to the context.

The Craighurst Crossing Wastewater Treatment Plant (Craighurst Crossing WWTP) has remained in the pre-commissioning interim processing stage throughout 2025. As a result, there were no effluent discharges, no sludge production, and no regulatory sampling requirements.

At the time of annual performance reporting, all wastewater generated within the subdivision remains temporarily stored in the equalization tank at the wastewater treatment plant site and transported to an approved facility by a licensed hauler, under an interim collection and storage process that began on September 19, 2025. Despite the system not yet being fully operational, this document serves as the first annual performance summary for the Craighurst Crossing WTP and sanitary sewer collection system.

2 Reporting Requirements

2.1 ECA Terms and Conditions, Section 8.4: Reporting Requirements

Section 8.4 of the referenced ECA's Terms and Conditions requires the Owner, including any assignee, to prepare performance reports on a calendar year basis and submit to the District Manager in an electronic format by March 31 of the calendar year following the period being reported upon. The report shall contain, but shall not be limited to, the following information pertaining to the reporting period:

- A summary and interpretation of all Influent monitoring data, and a review of the historical trend of the sewage characteristics and flow rates;
- A summary and interpretation of all flow data and results achieved in not exceeding the subsurface bed design flow discharged into the subsurface disposal system;
- A summary and interpretation of all Final Effluent monitoring data, including concentration, flow rates, and a comparison to the design objectives and compliance limits in this Approval, including an overview of the success and adequacy of the Works;
- A summary of all operating issues encountered and corrective actions taken;
- A summary of all normal and emergency repairs and maintenance activities carried out on any major structure, equipment, apparatus or mechanism forming part of the Works;
- A summary of any effluent quality assurance or control measures undertaken;
- A summary of the calibration and maintenance carried out on all Influent, Imported Sewage and Final Effluent monitoring equipment to ensure that the accuracy is within the tolerance of that equipment as required in this Approval or recommended by the manufacturer;
- A description of efforts made and results achieved in meeting the Design Objectives Condition;
- A tabulation of the volume of sludge generated, 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;
- A summary of any complaints received and any steps taken to address the complaints;
- Any changes or updates to the schedule for the completion of construction and commissioning operation of major process(es) / equipment groups in the Proposed Works;
- Any other information the District Manager requires from time to time.

2.2 CLI-ECA, Schedule E, Section 4.6: Reporting Requirements

Schedule E, Section 4.6 of the Township's CLI-ECA requires the preparation of performance reports on a calendar year basis and submit them to the Ministry District Manager by March 31 of the calendar year following the reported period. The report shall contain, but is not limited to, the following information pertaining to the reporting period:

- Includes a summary of any operating problems encountered and corrective actions taken;

- Includes a summary of all calibration, maintenance, and repairs carried out on any major structure, equipment, apparatus, mechanism, or thing forming part of the Municipal Sewage Collection System;
- Includes a summary of any complaints related to the sewage works received during the reporting period and any steps taken to address the complaints;
- Includes a summary of all alterations to the authorized system within the reporting period that are authorized by this approval including the list of alterations that pose a Significant Drinking Water Threat;
- Includes a summary of all collection system overflows and spills of sewage including;
 - a) Dates;
 - b) Volumes and durations;
 - c) If applicable, loadings for total suspended solids, BOD, total phosphorous, and total Kjeldahl nitrogen, and sampling results for E.coli.
 - d) Disinfection, if any; and,
 - e) Any adverse impact(s) and any corrective actions, if applicable.
- Includes a summary of efforts made to reduce Collection System Overflows, Spills, STP Overflows, and or STP Bypasses, including the following items, as applicable:
 - a) A description of projects undertaken and completed in the Authorized System that result in overall overflow reduction or elimination including expenditures and proposed projects to eliminate overflows with estimated budget forecast for the year following that for which the report is submitted.
 - b) Details of the establishment and maintenance of a PPCP, including a summary of project progress compared to the PPCP's timelines.
 - c) An assessment of the effectiveness of each action taken.
 - d) An assessment of the ability to meet Procedure F-5-1 or Procedure F-5-5 objectives (as applicable) and if able to meet the objectives, an overview of next steps and estimated timelines to meet the objectives.
 - e) Public reporting approach, including proactive efforts.

3 Compliance Reporting Requirement

3.1 Availability of the Annual Performance Report

In accordance with Section 4.6 of the referenced CLI-ECA's Schedule E, a copy of the report is available to the public who are served by the system, free of charge, from the following outlets:

- Township of Oro-Medonte's website (www.oro-medonte.ca);

- Public request at the Township's Administration Office, located at 148 Line 7 South, Oro-Medonte.

The public is advised of the report's availability and how to obtain a copy, without charge, on the Township of Oro-Medonte's website through annual public reporting to Council and on the dedicated wastewater landing page.

4 Craighurst Crossing Wastewater System



CRAIGHURST CROSSING

Wastewater System #: Pending

Effluent Receiver: Subsurface Disposal Beds

Treatment Facility Classification:
Class 2 Wastewater Treatment

Collection System Classification:
Class 2 Wastewater Collection

Population Served: Approx. 128 persons

4.1 System Description

The Craighurst Crossing Wastewater System (Wastewater System #: PENDING) is located north of Horseshoe Valley Road in the northeast portion of the Craighurst settlement area. The Craighurst Crossing Wastewater System (the System) is operated by Township of Oro-Medonte under a joint Operations and Responsibility Agreement. This agreement formalizes the respective roles of the Developer (Craighurst Limited Partnership) and the Operating Authority (Township of Oro-Medonte), ensuring clarity in operational responsibilities, regulatory compliance, and risk management and ensuring the facility is operated in compliance with regulatory requirements prior to formal municipal assumption. Once the development is completed and formal municipal assumption processed, the Township will become the legal owner of the System. This framework ensures the safe and reliable delivery of wastewater services while maintaining oversight and compliance with provincial legislation and regulations.

At the time of reporting, the System consists of approximately 625 m of gravity sanitary sewer mains, 21 residential service connections, one sewage lift station (lift station), and one equalization (EQ) tank located at the wastewater treatment plant site at 28 Northland Court. The wastewater treatment plant has been constructed but is not yet commissioned.

Wastewater from the initial phase of the subdivision is collected through the sanitary sewer collection system and pumped via the lift station to the EQ tank for temporary storage. Because the treatment plant and subsurface disposal beds are not yet in service, all wastewater stored in the EQ tank is transported by a licensed hauler to an approved treatment facility. Haulage volumes are monitored and recorded weekly.

Based on current wastewater chemical characteristics and input from the equipment manufacturer and engineering team, the treatment plant is expected to be placed into full service once influent flows reach approximately 35 m³/day, which is the minimum flow needed to support stable biological flow through treatment. When fully built out, the system is designed to provide a total rated capacity of 400 m³/day, delivered through four planned construction phases aligned with future development.

5 Monitoring and Performance Summary

5.1 Influent Monitoring

During the reporting period, the Craighurst Crossing WWTP was not yet commissioned, and therefore, no treatment processes were operational. The facility received limited influent flows from the initially occupied residential homes within the new Phase 1A subdivision of Craighurst Crossing. All influent was directed to the on-site equalization (EQ) tank via the lift station for temporary storage.

No routine laboratory analysis of influent or final effluent in accordance with the Craighurst Crossing WWTP’s ECA was required or performed, as the plant is not yet operating under normal treatment conditions.

5.2 Flow Monitoring and Subsurface Disposal Performance

Influent volumes remained low and consistent with early-stage subdivision occupancy. All wastewater was stored in the EQ tank and transported by a licensed hauler to an approved facility. No flows were directed to the subsurface disposal system, as the treatment and effluent pumping processes have not yet been commissioned.

Table 1 summarizes the monthly volumes of raw wastewater hauled from the EQ tank, representing the only wastewater removed from the site during the reporting period. No abnormal wastewater characteristics were observed.

Because the System is in its early stages of use, historical trends have yet to be established.

Table 1: Monthly Hauled Raw Wastewater Volumes

Month	Service Connections	Total Volume Hauled (m ³)
January to August	n/a*	n/a
September	2	33.6
October	11	107.9
November	16	212.9
December	21	299.1

*Not in service. First house occupancy in September 2025.

5.3 Final Effluent Monitoring

The Craighurst Crossing WWTP is not yet commissioned, and no final effluent was produced during the reporting period. As such, no treatment objectives can be evaluated until the WWTP is commissioned and operational.

5.4 Adequacy of the Works

The Craighurst Crossing WWTP has not yet been placed into service; therefore, no assessment of treatment performance can be made. As such, no comparison to design objectives or compliance limits is applicable to this reporting period.

5.5 Sampling & Testing

No regulatory sampling was required during the interim process operations. Operational sampling was only completed for the design consultant to review and consider the chemical composition of wastewater received.

6 Operations, Maintenance and Calibration Summary

Environmental Services is available to respond twenty-four (24) hours a day, seven (7) days a week, three hundred and sixty-five (365) days a year for service calls or emergencies related to the System. All Environmental Services Technicians are licenced under Ontario Regulation 129/04 (Regulation Licensing of Sewage Works Operators). No emergency maintenance and/or investigation was required during this reporting period.

Draft versions of an Operations Manual and Quality Management System for the System are in the process of being completed. The updated program is being developed using a quality management system framework similar to the Municipal Drinking Water Licensing Program and will be aligned with the requirements of CSA W217 Ontario Wastewater Management System (WWMS) standard, which came into effect in 2025. Incorporating this standard ensures the program reflects current industry expectations for wastewater system oversight, documentation, and continuous improvement.

6.1 Operating Issues and Corrective Actions

This section summarizes any operational challenges encountered during the reporting period, such as lift station pump issues, high-level alarms in the EQ tank, odour concerns, or haulage delays. Corrective actions taken to address each issue are provided in Table 2. No additional operational issues occurred beyond routine adjustments to hauling frequency as subdivision occupancy increased.

No process-related operating issues were observed, as the Craighurst Crossing WWTP is not yet active.

Table 2: 2025 Operating Issues and Corrective Actions Summary Table

Date	Facility/Process	Operating Issue and Corrective Actions
2025-11-06 & 2025-11-07	Lift Station	<p>Operating Issue: Lift Station Pump #2 became clogged with construction debris.</p> <p>Corrective Action: Pumped was pulled and debris was removed. Wet well was drained and cleaned to remove any additional debris.</p>

6.2 Maintenance Activities and Repairs

During this reporting period and interim operations, Environmental Services conducted routine preventative maintenance activities consisting of the following:

- Weekly rounds and monitoring of the lift station and the EQ tank.
- Weekly monitoring of Wastewater haulage activities.
- Weekly alarm testing of the lift station.

No emergency maintenance was required during the reporting period.

Table 3: 2025 Significant Maintenance and Repair Summary Table

Date	Facility/Process	Maintenance Details
n/a	n/a	n/a

6.3 Calibration of Monitoring Equipment

All monitoring equipment will be fully calibrated and verified as part of the commissioning process. As each treatment unit comes online, calibration and verification will be completed in accordance with regulatory requirements and manufacturer recommendations.

6.3.1 Influent Monitoring Equipment Calibration

- Level sensors and pump controls at the lift station and EQ tank have been inspected and verified for accuracy.
- No in-house laboratory equipment is currently in service.

6.3.2 Final Effluent Monitoring Equipment Calibration

Not applicable at this time; effluent monitoring equipment has not yet been commissioned.

7 Sludge Management

During interim operations, no sludge was generated or removed. Sludge production will begin once the treatment process of the Craighurst Crossing WWTP is commissioned.

7.1 Anticipated Volumes

Anticipated volumes of sludge production will be reported in future years.

7.2 Disposal Locations

Not applicable for this reporting period.

8 Consumer Complaints

No consumer complaints regarding the Craighurst Crossing WWTP or its associated works were received during the reporting period.

Table 4: Compliant Details & Resolution Summary

Date	Complaint Details & Resolution
n/a	None

9 Spills, Overflows, and Abnormal Discharge Events

No spills, bypasses, or abnormal discharge events occurred during the reporting period. Any such event would be documented and managed in accordance with Part X of the Environmental Protection Act and Ontario Regulation 675, and reported to the MECP by phone and in writing as required under the applicable ECA and CLI-ECA.

10 Efforts to Reduce WWTP & Collection System Overflows/Spills/Bypasses

The lift station is equipped with high-level alarms and supported by routine preventative maintenance, including pump inspections, alarm testing, and generator servicing. The Craighurst Crossing WWTP has been designed with redundancy, monitoring, and alarm systems to prevent overflows or by-passes once commissioned.

The sanitary sewer collection system has no combined sewers and has no combined or sanitary sewer collection system overflow points.

11 Summary of Alterations to the Authorized System

There were no alterations to the Authorized System within the reporting period.

12 Construction and Commissioning Updates

The Craighurst Crossing WWTP remains in the pre-commissioning and interim processing stage. All major structures and equipment have been installed; however, the treatment process cannot begin until wastewater flows increase and stabilize at levels

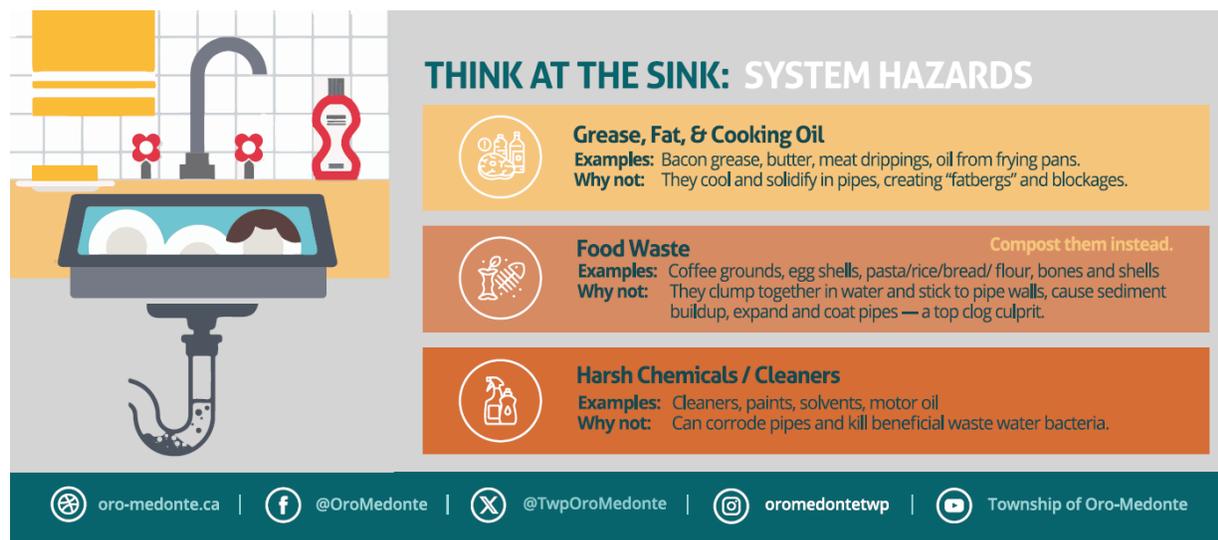
required for treatment plant start-up. During the reporting period, focus was on managing early flows through interim storage and offsite haulage, and preparing for future commissioning activities. Commissioning is expected to proceed once additional subdivision occupancy is achieved and influent flows reach the minimum threshold needed to support biological treatment.

13 Public Education and Outreach Initiatives

In September 2024, Council endorsed Municipal Sewer Use By-law No. 2024-091. This by-law helps protect public safety, municipal infrastructure, and the natural environment by clearly outlining acceptable discharges, spill reporting requirements, inspection provisions, and other key responsibilities for users of the System.

In 2025, Environmental Services began customer education and outreach with the first occupants of the new subdivision to support proper use and long-term performance of the System. As part of this effort, all wastewater system users received a “Think Before You Flush/Put Down the Sink: System Hazards” mailer with their fourth-quarter utility bills, as shown in Figure 1. These reminders help residents understand how everyday household practices affect system health and reinforce the importance of keeping harmful materials out of the sanitary sewer collection system.

Figure 1: ‘Think at the Sink: System Hazards’ Educational Outreach Mailer



14 Financial Planning

The System is solely supported through a user fee cost recovery delivery model, meaning only those receiving the service pay for the service. Although Wastewater System Financial Plans are not currently legislated in the same fashion as Drinking Water Financial Plans, Township Staff have developed this plan to mirror provincial drinking water system practices in the delivery of wastewater services to customers. Environmental Services believes that a financial plan is imperative to assist in the prioritization of future projects, achieve operational targets and goals, and provide

customers with a long-term vision of costs associated with consistent and reliable wastewater services.

On June 25, 2025, the Craighurst Crossing Wastewater System Financial Plan (Financial Plan) covering a ten (10) year period from 2025 to 2034 was received and endorsed by Council (By-Law 2025-055). This process increases financial confidence in the delivery of sustainable operational programs while continuing to build a capital financial reserve fund supporting long-term asset management. The Financial Plan is available for public viewing on the Township website.

15 Conclusion

The Township of Oro-Medonte believes that this report satisfies the requirements of the ECA Terms and Conditions, Section 8.4, and the CLI-ECA, Schedule E, Section 4.6.

Any questions regarding this report should be directed to Environmental Services.