



**2025**  
**Municipal Sewage Collection Report**  
**Authorized Systems**  
**Glen Walter – Lancaster – Green Valley**  
**Version 2.0**

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## Revision History

Date	Description	Revision	Author
February 2, 2026	Initial Issue for Council Receipt	1.0	D. Seguin
February 18, 2026	Issued For Council Acceptance	2.0	D. Seguin

*\*Due March 31<sup>st</sup> of each year*

# Wastewater Collection System Report

In accordance with the ECA Number: 185-W601 Issue: 1 dated January 11<sup>th</sup>, 2023. The owner shall prepare an annual performance report for the Authorized systems. This document covers the reporting year January 01 to December 31, 2025; the report summarizes important information regarding the maintenance, operations, relevant activities within the collection systems, analytical test results and overflow data. The ECA outlines the terms and conditions, and the report captures these terms and conditions in the following sections.

## 1. High Level Description of the Works

### Glen Walter

#### System Description

The Glen Walter system consists of works for the collection and transmission of sewage, consisting of 8" gravity fed sewers, 2 sewage pumping stations, and 2 forcemains, with a final discharge point into the Glen Walter Sewage Treatment Plant. (*Pump Station #1*)

### Lancaster

#### System Description

The Lancaster system consists of works for the collection and transmission of sewage, consisting of 2 sewer forcemains, 8" and 10" gravity fed sewers, 2 sewage pumping stations, and 2 pump station forcemains, with a final discharge point into the Lancaster Sewage Treatment Plant. (*Lagoon*)

### Green Valley

#### System Description

The Green Valley system consists of works for the collection and transmission of sewage, consisting of 8" and 10" gravity fed sewers, 2 sewage pumping stations, and 2 forcemains, and 1 36"x 985" holding pipe for excessive flow with a final discharge point into the Green Valley Sewage Treatment Plant. (*Lagoon*)

## 2. Assets

### Glen Walter

Asset ID	Asset Name	Address/Location
GW2	Pumping Station 2	6649 Bray Street
GW3	Pumping Station 3	Yacht Boulevard

### Green Valley

Asset ID	Asset Name	Address/Location
GV1	Pumping Station 1	4028 County Road 34
GV2	Pumping Station 2	20386 Concession Road 8

### Lancaster

Asset ID	Asset Name	Address/Location
LA1	Pumping Station 1	12 South Beech
LA2	Pumping Station 2	20425 Old Montreal Road

### Glen Walter – Lancaster – Green Valley

Collection System	Km of Gravity Pipe	Km of Forcemain
Glen Walter	7,900 meters in total length of gravity sewers	GW2 - 250 meters in length GW3 - 900 meters in length (Total length – 1,150m)
Green Valley	4,500 meters in total length of gravity sewers	GV1 - 860 meters in length GV2 - 1,350 meters in length (Total length – 2,210m)
Lancaster	12,000 meters in total length of gravity sewers	LA1 - 1,300 meters in length LA2 - 2,800 meters in length (Total length – 4,100m)

### 3. Maintenance

The Operators performed the routine operations and maintenance at the pumping stations in accordance with the preventative maintenance program (report on file at plant). The activities are highlighted as follows:

Weekly	<ul style="list-style-type: none"> <li>• Checked operations and performance of sewage pumps.</li> <li>• Flow Meter Checks</li> <li>• Building/Site Envelop Checks.</li> <li>• Wet Well Checks</li> </ul>
Monthly	<ul style="list-style-type: none"> <li>• Generator Test(s)</li> <li>• Collection System Inspections</li> </ul>
Semi-Annually	<ul style="list-style-type: none"> <li>• Generator Maintenance</li> </ul>
Annually	<ul style="list-style-type: none"> <li>• Annual Calibration of Flow Meters</li> </ul>
Major Maintenance	<ul style="list-style-type: none"> <li>• Clean Pump Stations x 7 (June)</li> </ul>

### 4. Operational Issues

During the year 2025 no operational issues of note were observed.

### 5. Complaints

During the year 2025, no complaints were received.

### 6. Alterations

No alterations were made within the wastewater collection systems for the year 2025.

### 7. Wet Weather vs Dry Weather Data

Definition of "Dry Weather Flows" means Sewage flow resulting from both sanitary Sewage, and infiltration and inflows from foundation drains or other drains occurring during periods with an absence of rainfall or snow melt.

During the 2024-year Wet Weather vs Dry Weather data was submitted in accordance with the ECA Number: 185-W601 Issue: 1 dated January 11<sup>th</sup>, 2023. Meeting the deadline for submittal of June 1, 2024.

It is noted that during high peaks of snow melt, rain fall and significant storms each collection system under the CLI is greatly impacted.

## 8. Laboratory

Caduceon Environmental laboratories is contracted to conduct the required analytical tests of the raw sewage samples collected from the collection system.

## 9. Monitoring And Recording

The *Owner* shall, upon commencement of bypass/overflow operation of the *Works*, carry out the following the monitoring program.

**Monitoring** - (samples to be collected at the outlet of the overflow discharge point or at the outfall as close as possible).

Parameters	Sample Type	Frequency
BOD	Grab	Event
Total Suspended Solids	Grab	Event
Total Phosphorus	Grab	Event
Total Kjeldahl Nitrogen	Grab	Event
<i>E. Coli</i>	Grab	Event

## 10. Overflow Report(s)

### Glen Walter

Overflow occurrences: 0

### Lancaster

Overflow occurrences: 0

### Green Valley

Overflow occurrences: 1

#### Overflow 1

Date:	March 16th 2025
Asset:	GV2
Location:	20386 Concession Road 8
Reference Number:	1-J2DV9T
Cause:	Wet Weather
Volume:	324m3
Duration:	8.8hours
Disinfection:	None
Adverse Impact:	None
Grab Samples:	Yes

## 11. Sample Result(s)

CSO structure as of June 1, 2023, require at least one grab sample, for BOD, total suspended solids, total phosphorus, total Kjeldahl nitrogen, and E. coli.

### GV2 – Overflow 1

Parameters	Average Concentration mg/L	Average Loadings Kg/D
CBOD <sub>5</sub>	5.0	1.62
Total Suspended Solids	15.0	4.86
Total Phosphorus	0.41	0.13
Total Kjeldahl Nitrogen	3.4	1.10
pH	8.07	-

Definition of “**Collection System Overflow**” means a discharge (SSO or CSO) to the environment at designated locations from the authorized system.

## 12. CSO Overflow Points

### Glen Walter Sanitary Sewer Overflow Points including Pumping Stations (Designed / Authorized Overflow)

Asset ID	Asset Name	Overflow Location (Latitude & Longitude)	Point of Entry to final Receiver (Latitude & Longitude)
GW2	Pumping Station 2	45.021310N 74.383070W	45.020897N 74.383921W
GW3	Pumping Station 3	45.015618N 74.392454W	45.015629N 74.391333W

### Green Valley Sanitary Sewer Overflow Points including Pumping Stations (Designed / Authorized Overflow)

Asset ID	Asset Name	Overflow Location (Latitude & Longitude)	Point of Entry to final Receiver (Latitude & Longitude)
GV1	Pumping Station 1	45.155693N 74.361356W	45.155751N 74.361375W
GV2	Pumping Station 2	45.151506N 74.352184W	45.151506N 74.332292W

### Lancaster Sanitary Sewer Overflow Points including Pumping Stations (Designed / Authorized Overflow)

Asset ID	Asset Name	Overflow Location (Latitude & Longitude)	Point of Entry to final Receiver (Latitude & Longitude)
LA1	Pumping Station 1	45.082100N 74.300192W	45.081315N 74.301827W
LA2	Pumping Station 2	45.075526N 74.291146W	45.080345N 74.285413W

As per ECA Number: 185-W601, Identification signs must be installed on, or prior to December 1<sup>st</sup>, 2025. Identification signs installed in June of 2024, at all sites that have a designated overflow site.

## 13. Overflow Reduction

In the year 2023 The Township of South Glengarry both completed cleaning and CCTV work within the entire collection system works. All CCTV was reviewed for infiltration and deformities within the collection systems. Any deformities that scored greater than 4 with 5 being the worst rating, was listed for repair and quotation.

In the summer of 2024 two contracts were awarded to complete the repairs needed for each system. In total 47 areas of concern were addressed to aid in infiltration and overflow reduction.

*\*All overflows for the fiscal year 2025 were located within significant snowmelt events, significant storm events, and power outages due to significant storms.*

## **14. Reports**

- 2023 CCTV Reports - (on-file at plant)
- 2024 CIPP Spot and Grout Repair Reports - (on-file at plant)
- Caduceon Environmental Laboratories Analytical Reports - (on-file at plant)
- Monthly Reports - (on-file at plant)
- Wet Weather vs Dry Weather Report - (on-file at plant/submitted)
- Bypass/Overflow Incident Report(s) - (on-file at plant/submitted)