



MUNICIPALITY OF
GREENSTONE

*Sanitary Collection System Annual
Performance Report*

CLI- ECA 225-W601 Issued January 21, 2025

January 1, 2025 – December 31, 2025

Prepared by the Ontario Clean Water Agency
For the Municipality of Greenstone
Patti O’Handley, Senior Operations Manager
David Hoffman, Process & Compliance Technician



Ontario Clean Water Agency
Agence Ontarienne Des Eaux



SECTION 1: INTRODUCTION

The Ontario Clean Water Agency (OCWA) acts as the operating authority for the wastewater treatment systems within the Municipality of Greenstone. This document is prepared by OCWA in accordance with Environmental Compliance Approval (ECA) 225-W601. The report is required to include the following information:

- (i) A summary of all required monitoring data including an interpretation of the data and any conclusion drawn from the data evaluation about the need for future modifications to the Authorized System or system operations;
- (ii) A summary of any operating problems encountered and corrective actions taken;
- (iii) 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;
- (iv) A summary of any complaints related to the Sewage Works received during the reporting period and any steps taken to address the complaints;
- (v) Include a summary of all Alterations to the Authorized System within the reporting period that are authorized by this Approval including a list of Alternations that pose a Significant Drinking Water Threat;
- (vi) A summary of all Collection System Overflow(s) and Spill(s) of sewage, including dates; volume and durations; if applicable, loading for total suspended solids, BOD, total phosphorus, and total Kjeldahl nitrogen, and sampling results for E>coli; disinfection, if any; and Any adverse impact(s) and any corrective actions, if applicable.
- (vii) A summary of efforts made to reduce Collection System Overflows, Spills, STP Overflows, and/or STP Bypasses, including the following items, as applicable: Description of projects undertaken and completed 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; Details of the establishment and maintenance of a PPCP, including a summary of the project progresses compared to the PPCP's timelines; an assessment of the effectiveness of each action taken; An assessment of the ability to meet Procedure F-5-1 to 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; Public reporting approach including proactive efforts;



SECTION 2: System Description

The Greenstone sewage collection system is comprised of five settlement areas, or wards, within the Municipality of Greenstone: Beardmore, Caramat, Geraldton, Longlac and Nakina. The collection system services residential lands, open space, commercial, light industrial and institutional properties. Wastewater is collected and conveyed by gravity sewers to sewage pumping stations which convey wastewater via forcemains to the wastewater treatment facility in each ward.

Collection system details for each ward are provided in Table 3.1.

Table 3.1:
Greenstone Sewage Collection System Characteristics – By Ward

Storm Components	Ward					System Total
	Beardmore	Caramat	Geraldton	Longlac	Nakina	
Sanitary sewers (km): size unknown	--	--	0.43	0.13	--	0.56
Sanitary sewers (km): <250mm	4.84	2.10	14.60	10.62	6.64	38.80
Sanitary sewers (km): >250-500mm	0.07	--	3.18	2.71	0.65	6.60
Sanitary sewers (km): >500-1050mm	--	--	--	0.32	--	0.32
Total system length (km):	4.90	2.10	18.20	13.79	7.29	46.29
Maintenance holes (#):	61	24	277	197	92	651
Pumping Stations (#):	1	3	2	8	3	17
Sanitary sewer overflow points (#):	1	1	1	5	1	9

SECTION 3: Monitoring Data

The Municipality was not required to collect monitoring data during the reporting period.



SECTION 4: Operations

- a) The only operational issues during the reporting period were bypasses, which are reported in Section 7.
- b) Calibrations, Inspections, Maintenance and Repairs

The Operating Authority (OCWA) follows a maintenance plan as set out by their Workplace Management System (WMS) for all pumping stations. CCTV work is completed as needed, along with visual inspections. Manholes are inspected by the Public Works and OCWA as needed.

Please refer to **Appendix A** for the **Inspection Activities** completed during the reporting period. Only 1 lift station has a flow meter; calibration reports for the reporting period are also attached in **Appendix A**.

SECTION 5: Complaints

In **2025** there were 3 community complaints received in respect to the sanitary sewage system.

All complaints received by the Municipality or OCWA are investigated as soon as possible and actions are taken to mitigate the issue. All complaints within the reporting period were addressed with no further follow-up required.

Please refer to **Appendix B** for the summary of **Community Complaints**.

SECTION 6: System Alterations

There were no alterations completed during the reporting period.



SECTION 7: Overflows and Spills

The facility operator collects one grab sample of raw sewage and sends it to an accredited laboratory for analysis. Raw flows are calculated using pump run times and flow rates. The sampling plan, below, shows required sampling in a bypass or spill event:

Overflows/Spills/Bypasses – *Wet Weather Related or Pre-Authorized or **NOT Wet Weather Related or Pre-Authorized (ie. Mechanical) Both require one sample per event			
Sample	Frequency	Parameters	Compliance
Grab	One	BOD, TSS, Total Phosphorus, TKN, Ecoli	One sample

During the reporting period of **January 1 2025 – December 31, 2025** there were **9** bypass events at 5 lift stations in Longlac.

Bypass/ Spill Sampling 2025						
Location	Sample Date	BOD Result mg/L	TSS Result	TP result	TKN result	E.Coli result
Frando SPS	Apr. 13/25	21.4	16.7	0.325	3.18	>24200
Bayview SPS	Apr. 14/25	5.3	8.5	0.254	1.67	>242000
Bayview SPS	Apr. 28/25	13.2	98.9	0.0485	3.75	29900
Bayview SPS	June 23/25	2.7	4.4	0.183	1.47	21400
Centennial SPS	June 23/25	15.5	27.4	0.451	2.92	120000
Frando SPS	June 23/25	6.7	4.6	0.218	1.94	112000
Kenogami SPS	June 23/25	10.1	22.6	0.210	1.79	>24200
Riverview SPS	June 23/25	10.4	10.8	0.343	2.92	141000
Frando SPS	Sept 3/25	103	36.6	0.714	5.54	>242000

The bypass/spill sample parameters specified in the above table are analyzed by ALS Canada Ltd Research, an accredited laboratory located in Thunder Bay, Ontario. Chain of custodies have been updated to include all sample parameters that are now required under the Municipal Sewage Collection System ECA.



The bypass events in **2025** were due to heavy rains and snow melt in the spring and heavy rain in the fall.

Please see **Appendix C** for **Bypass and/or Spill Reports** that were submitted during the reporting period.

Summary of efforts made to reduce collection system overflows, spills, sewage treatment plant overflows and/or bypasses, as applicable:

The Municipality completed upgrades years ago to help reduce sanitary collection system overflows and bypasses, including purchasing generators for the lift stations, completion of an assessment for I&I (including smoke testing), offering a grant program for residents to install a backwater flow valve and disconnection of sump pump discharge lines or drains and providing educational materials to their residents. The grant program and public awareness program are ongoing. In **2026** further investigation to infiltration issues will continue along with implementation of a CCTV and flushing program by the Municipality and OCWA. It is planned to complete one fifth of the Greenstone Sewage collection system annually to complete the entire system over 5 years. The Municipality will also be completing an assessment for inflow and infiltration to help reduce flows in the collection system. Both the CCTV work and this study will help to identify any areas that require improvement.



SECTION 7: Additional Notes/Comments

A copy of this annual report is available on the Municipality's website at Greenstone.ca

Residents may also visit any ward office and request a copy.



Appendix A
Inspection Activities SPS
Calibration Reports



Sanitary Collection System Annual Inspections and Maintenance Activities Completed During the Reporting Period

Beardmore Sanitary Pumping Stations

January 1-December 31, 2025

Asset	Required Frequency	% Completed	Comments	Action Plan
INSPECTIONS				
Pumping Stations -Overflows	Annual	100	No overflows	
Pumping Stations – Routine Inspections	Daily/Weekly/Monthly	100	Weekly Mon & Fri	
Pumping Stations – Annual Inspections	Annual	100	Service pumps check clearances	
Pumping Stations – Standby Generators	Monthly	100	Lift station fed from WTP generator	
Maintenance Holes	Annual	90	Few are buried deep and/or on private property	
Mainline Sewers (CCTV)			None in last year	
MAINTAINENCE				
Pumping Stations – Bar Screen Clean	Weekly (or as-needed)	N/A	No bar screens	
Pumping Stations – Wetwell Clean Out	Annual (or as-needed)	80	Annual / as needed	
Pumping Stations – Alarm/level control tests	Monthly	100	Monthly high level test	
Pumping Stations – Pump Servicing	Annual	100	Oil changes or clearance checks	
Pumping Stations – Bypass Valve Exercising	Annual	100	Checked annually	
Maintenance Holes – Lid resetting, parging etc.	As needed	100	As needed	

Mainline Sewers – Flushing	As needed	100	Annual flush with 2.5” hose	
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Table: Summary of Repairs Completed during the Reporting Period

Asset and/or Location	Issue	Repairs Completed	Planned Repairs

Table: Municipal Summary of Collection Work Completed

DATE	MANHOLE NUMBER	MANHOLE NUMBER	WORK COMPLETED	WORK LOCATION	ISSUES
Sept 16, 2025	28A		Remove 2 lift rings and set manhole lid	Railway Drive	
Sept 16, 2025	4		Remove 1 ring and reset manhole lid	Pine street	



Sanitary Collection System Annual Inspections and Maintenance Activities Completed During the Reporting Period

Caramat Sanitary Pumping Stations

January 1-December 31, 2025

Asset	Required Frequency	% Completed	Comments	Action Plan
INSPECTIONS				
Pumping Stations – Routine Inspections	Daily/Weekly/Monthly	100%	Routine inspections completed 2 times per week	
Pumping Stations – Annual Inspections	Annual	100%	Annual Inspection/clean out completed as per PM	
Maintenance Holes	Annual		Completed by Municipality	
Mainline Sewers (CCTV)		N/A	No CCTV completed during reporting period	
MAINTAINENCE				
Pumping Stations – Wetwell Clean Out	Annual (or as-needed)	100%	Completed annual as per PM	
Pumping Stations – Alarm/level control tests	Monthly	100%	Wet well level alarms and controls completed monthly	
Pumping Stations – Pump Servicing	Annual	100%	Completed annual as per PM	
Maintenance Holes – Lid resetting, parging etc.	As needed		Completed by Municipality	
Mainline Sewers – Flushing	As needed		Completed by Municipality	

Table: Summary of Repairs Completed during the Reporting Period

Asset and/or Location	Issue	Repairs Completed	Planned Repairs

Table: Municipal Summary of Collection Work Completed

DATE	MANHOLE NUMBER	MANHOLE NUMBER	WORK COMPLETED	Ditch WORK LOCATION	ISSUES
10-Sept-2025		SANMAN-0522	Inspection		Needs cleaning
10-Sept-2025		SANMAN-0523	Inspection		Needs cleaning
10-Sept-2025		SANMAN-0524	Inspection		Needs cleaning
10-Sept-2025		SANMAN-0525	Inspection		Needs cleaning
10-Sept-2025		SANMAN-0526	Inspection		Needs cleaning
10-Sept-2025		SANMAN-0527	Inspection		Needs cleaning
10-Sept-2025		SANMAN-0637	Inspection		Needs cleaning
16-Sept-2025		SANMAN-0522	Cleaning		No issue
16-Sept-2025		SANMAN-0523	Cleaning		No issue

16-Sept-2025		SANMAN-0524	Cleaning		No issue
16-Sept-2025		SANMAN-0525	Cleaning		No issue
16-Sept-2025		SANMAN-0526	Cleaning		No issue
16-Sept-2025		SANMAN-0527	Cleaning		No issue
16-Sept-2025		SANMAN-0637	Cleaning		No issue
16-Sept-2025		SANMAN-0521	Cleaning		No issue
16-Sept-2025		SANMAN-0531	Cleaning		No issue
16-Sept-2025		SANMAN-0532	Cleaning		No issue



Sanitary Collection System Annual Inspections and Maintenance Activities Completed During the Reporting Period

Geraldton Sanitary Pumping Stations

January 1-December 31, 2025

Asset	Required Frequency	% Completed	Comments	Action Plan
INSPECTIONS				
Pumping Stations -Overflows	Annual	100%	Annually completed before spring thaw	
Pumping Stations – Routine Inspections	Weekly	100%	Routine Inspections completed 3 times weekly and daily review of pump cycles and level trends	
Pumping Stations – Annual Inspections	Annual	100%	Pumping station annual inspection /cleanout as per PM	
Pumping Stations – Standby Generators	Monthly	100%	Standby generators tested under load monthly	
Maintenance Holes	Annual (as needed)		Completed by Municipality	
Mainline Sewers (CCTV)			No CCTV completed during reporting period	
MAINTAINENCE				
Pumping Stations – Bar Screen Clean	Weekly (or as-needed)	100%	Bar screens cleaned weekly	
Pumping Stations – Wetwell Clean Out	Annual (or as-needed)	100%	Pumping stations wet well clean out annually/as needed	
Pumping Stations – Alarm/level control tests	Monthly	100%	Pumping station wet well level alarms tested monthly. Level control monitored daily on Scada.	
Pumping Stations – Pump Servicing	Annual	100%	Oil changes, service and clearance checks completed annual as per PM	

Pumping Stations – Bypass Valve Exercising	Annual	100%	Automated valve at McKenzie SPS	
Maintenance Holes – Lid resetting, parging etc.	As needed		Completed by Municipality	
Mainline Sewers – Flushing	As needed		Completed by Municipality	

Table: Summary of Repairs Completed during the Reporting Period

Asset and/or Location	Issue	Repairs Completed	Planned Repairs

Table: Municipal Summary of Collection Work Completed

DATE	MANHOLE NUMBER	MANHOLE NUMBER	WORK COMPLETED	WORK LOCATION	ISSUES



Sanitary Collection System Annual Inspections and Maintenance Activities Completed During the Reporting Period

Longlac Sanitary Pumping Stations

January 1-December 31, 2025

Asset	Required Frequency	% Completed	Comments	Action Plan
INSPECTIONS				
Pumping Stations -Overflows	Annual	100%	Annually completed before spring thaw	
Pumping Stations – Routine Inspections	Weekly	100%	Routine Inspections completed weekly and daily review of pump cycles and level trends	
Pumping Stations – Annual Inspections	Annual	100%	Pumping station annual inspection as per PM	
Pumping Stations – Standby Generators	Monthly	100%	Standby generators tested under load monthly	
Maintenance Holes	Annual (as needed)		1 manhole required cleaning	
Mainline Sewers (CCTV)		5%	Louisa and Riverview streets completed Nov. 20&21, 2024	
MAINTAINENCE				
Pumping Stations – Bar Screen Clean	Weekly (or as-needed)	100%	Bar screens cleaned out weekly	
Pumping Stations – Wetwell Clean Out	Annual (or as-needed)	100%	Pumping stations wet well clean out annually/as needed	
Pumping Stations – Alarm/level control tests	Monthly	100%	Pumping station wet well level alarms tested monthly. Level control monitored daily on Scada.	
Pumping Stations – Pump Servicing	Annual	100%	Pumping station service completed as per PM	
Pumping Stations –	Annual	100%	Pumping station bypass valves	

Bypass Valve Exercising			exercised before spring thaw	
Maintenance Holes – Lid resetting, parging etc.	As needed		No lid resetting/parging completed during report period	
Mainline Sewers – Flushing	As needed		2 sections flushed between manholes. Riverview, Louisa & Queen streets completed. Sept. 18, 2024 for CCTV work	

Table: Summary of Repairs Completed during the Reporting Period

Asset and/or Location	Issue	Repairs Completed	Planned Repairs
Centennial Lift Station	Replaced pump #3	January 14, 2025	
Bayview Lift Station	Replaced pump #1	March 4, 2025	
Riverview Lift Station	Replace #1 gate valve and check valve	May 21, 2025	
CN Lift Station	HMI Controller replaced on generator transfer switch.	September 5, 2025	

Table: Municipal Summary of Collection Work Completed

DATE	MANHOLE NUMBER	MANHOLE NUMBER	WORK COMPLETED	WORK LOCATION	ISSUES
4-Mar-2025		L209	Flushed	Check flow	Slow flowing, needs cleaning
17-Mar-2025		L231		Check flow	No issue
17-Mar-2025		L232		Check flow	No issue

17-Mar-2025		L233		Check flow	No issue
17-Mar-2025		L234		Check flow	No issue
17-Mar-2025		L235		Check flow	No issue
17-Mar-2025		L237		Check flow	No issue
17-Mar-2025		L415		Check flow	No issue
17-Mar-2025		L103		Check flow	No issue
17-Mar-2025		L256		Check flow	Lots of Gravel, needs cleaning
17-Mar-2025		L208		Check flow	Slow flowing, needs cleaning
17-Mar-2025		L209		Check flow	Slow flowing, needs cleaning
19-Mar-2025		L324		Check flow	
15-Sept-2025		L209		Check flow	Slow flowing, needs cleaning
16-Sept-2025		SANMAN-0081	flushed	Check flow	
16-Sept-2025		SANMAN-0587		Check flow	
16-Sept-2025		SANMAN-0076		Check flow	
16-Sept-2025		SANMAN-0056		Check flow	
22-Dec-2025		SANMAN-0041	Flushed and cleaned	Check flow	needs cleaning

22-Dec-2025		SANMAN-0218	Flushed and cleaned	Check flow	needs cleaning
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Sanitary Collection System Annual Inspections and Maintenance Activities Completed During the Reporting Period

Nakina Sanitary Pumping Stations

January 1-December 31, 2025

Asset	Required Frequency	% Completed	Comments	Action Plan
INSPECTIONS				
Pumping Stations -Overflows	Annual	100%	Annually completed before spring thaw	
Pumping Stations – Routine Inspections	Daily/Weekly/Monthly	100%	Daily pump cycle and level trend reviews	
Pumping Stations – Annual Inspections	Annual	100%	Pumping station annual inspection as per PM	
Pumping Stations – Standby Generators	Monthly	100%	Standby generators tested monthly under load monthly	
Maintenance Holes	N/A			
Mainline Sewers (CCTV)	As needed			
MAINTAINENCE				
Pumping Stations – Bar Screen Clean	Weekly (or as-needed)	N/A	Currently no bar screens operational in pumping stations	
Pumping Stations – Wetwell Clean Out	Annual (or as-needed)	100%	Pumping stations wet well clean out as needed	
Pumping Stations – Alarm/level control tests	Monthly	100%	Pumping station wet well level alarms tested monthly. Level control monitored daily on SCADA	
Pumping Stations – Pump Servicing	Annual	100%		
Pumping Stations – Bypass Valve Exercising	Annual			

Maintenance Holes – Lid resetting, parging etc.	As needed		No lid resetting/parging completed during report period	
Mainline Sewers – Flushing	As needed			

Table: Summary of Repairs Completed during the Reporting Period

Asset and/or Location	Issue	Repairs Completed	Planned Repairs

Table: Municipal Summary of Collection Work Completed

DATE	MANHOLE NUMBER	MANHOLE NUMBER	WORK COMPLETED	WORK LOCATION	ISSUES

Position

Process Description: GRL- McKenzie Lift Flow
 Work Order Number:
 Location: Geraldton
 Plant: OCWA/Greenstone Region/OCWA Geraldton/

Device

Tag: GRL- McKenzie Lift Flow
 Serial Number: 89000516000
 Manufacturer: Endress+Hauser 50W2F-UL0B1RK1BAAW

Function

Name: Clamp-On Flow Verification (COV)
 Transfer Function: Linear
 Range: 0 ... 15 ml/d 0 ... 15 ml/d

Calibration Event

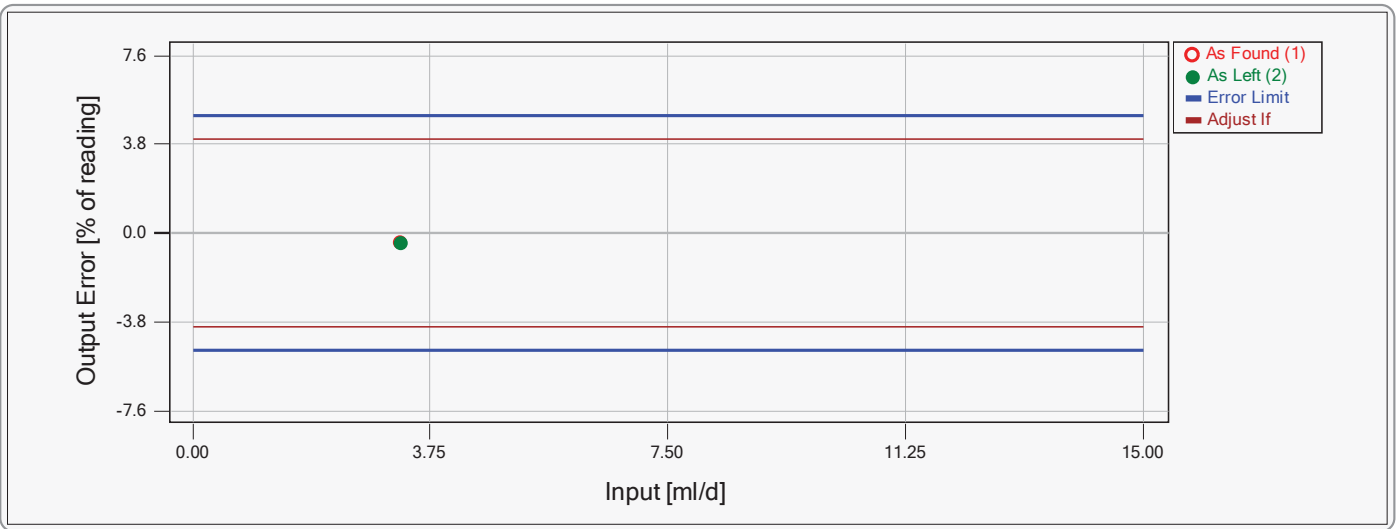
Calibration time: 8/27/2025 3:31:00 PM
 Next Calibration: 8/27/2026

Calibration Procedure

8/28/2026
 Reject If Error >: 5 % of reading
 Adjust To Error <: % of Reject If Error Classification

Calibrators

Input Calibrator: FLUXUS G 601 ST : 60113644 (TBY KIT) Due Date: 3/25/2026
 Input Module: CDK1NZ7 : 173336; CDM1EZ7 : 173342; CDP1NZ7 : 170348 Due Date: 2/14/2027; 2/15/2027; 3/11/2026
 Output Calibrator: Due Date:
 Output Module: Due Date:



1. As Found PASSED				
Maximum Error: -0.4 % of reading				
Nominal Input [ml/d]	Actual Input [ml/d]	Nominal Output [ml/d]	Actual Output [ml/d]	Found Error [% of reading]
0	3.2654	0	3.251	-0.4

2. As Left PASSED				
Maximum Error: -0.4 % of reading				
Nominal Input [ml/d]	Actual Input [ml/d]	Nominal Output [ml/d]	Actual Output [ml/d]	Found Error [% of reading]
0	3.2654	0	3.251	-0.4

Calibration Note:

Calibrated by: Ethan MacLean
8/27/2025 3:31:00 PM

Calibrated by: 8/27/2025 3:31:00 PM



Appendix B

Community Complaints


	Sanitary Collection System Summary of Complaints during the Reporting Period
	Beardmore Sanitary Pumping Stations
	January 1-December 31, 2025

Table: Summary of Complaints Received during the Reporting Period

Complaint Type	Number Received	Actions Taken
Blocked Sewer Lateral	0	
Blocked Sewer	0	
Maintenance Hole Concern	0	
Odour Concern	0	
Pump/Lift Station Concern	0	


	Sanitary Collection System Summary of Complaints during the Reporting Period
	Caramat Sanitary Pumping Stations
	January 1-December 31, 2025

Table: Summary of Complaints Received during the Reporting Period

Complaint Type	Number Received	Actions Taken
Blocked Sewer Lateral		
Blocked Sewer		
Maintenance Hole Concern		
Odour Concern		
Pump/Lift Station Concern		


	Sanitary Collection System Summary of Complaints during the Reporting Period
	Longlac Sanitary Pumping Stations
	January 1-December 31, 2025

Table: Summary of Complaints Received during the Reporting Period

Complaint Type	Number Received	Actions Taken
Blocked Sewer Lateral	1	Cleared line with rodder reel and water. Removed minor debris (rocks)
Blocked Sewer		
Maintenance Hole Concern		
Odour Concern		
Pump/Lift Station Concern		


	Sanitary Collection System Summary of Complaints during the Reporting Period
	Geraldton Sanitary Pumping Stations
	January 1-December 31, 2025

Table: Summary of Complaints Received during the Reporting Period

Complaint Type	Number Received	Actions Taken
Blocked Sewer Lateral		
Blocked Sewer		
Maintenance Hole Concern		
Odour Concern	2	Septage received at McKenzie Lift station from holding tanks at Greenstone Goldmine Temporary Camp reason for odor complaints. The site has started regular cleaning of tanks and are in process of putting in aeration to help keep it from going septic.
Pump/Lift Station Concern		


	Sanitary Collection System Summary of Complaints during the Reporting Period
	Nakina Sanitary Pumping Stations
	January 1-December 31, 2025

Table: Summary of Complaints Received during the Reporting Period

Complaint Type	Number Received	Actions Taken
Blocked Sewer Lateral		
Blocked Sewer		
Maintenance Hole Concern		
Odour Concern		
Pump/Lift Station Concern		



Appendix C

Bypass and Spill Reports

Environmental Incident Report



System: **Longlac Wastewater Treatment System** MOE Works: **110001042**

Location: Frando Lift Station Receiver: Longlake Bay

Start of Incident:	Date: April 13, 2025	Time: 18:00
<input type="checkbox"/> Spill <input checked="" type="checkbox"/> Bypass <input type="checkbox"/> Other	Details/Cause of Incident:	
	Heavy flows due to quick spring thaw.	
Downstream Users <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Possible effects on receiver, environment or downstream users: Longlac WTP. BOD, TSS, Ecoli	
Chlorination	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Corrective Actions: Bypass sampling TSS, BOD Ecoli		
MOECC SAC called	Date: 04/13/25 At 19:40	Contact: Bilal Kidwai
MOH (TBDHU) called	Date: 04/13/25 At 20:00	Contact: Braeden Payne
Pat Albert called	Date: 04/13/25 At 20:05	Contact: Pat Albert
Patti O'Handley called	Date: 04/13/25 At 20:00	Contact: Patti O'Handley
Brian Aaltonen called	Date: 04/13/25 At 20:05	Contact: Brian Aaltonen
Additional Calls - refer to <i>Notification Cover Sheet</i>		
Reference #: 1-N0SV4X	Operator Reporting Incident: Darren McCraw	

Termination:	Date: April 14, 2025	Time: 15:15	Duration: 1,275 min.
Approximate Volume (m ³) 285.6 m3			
SAC called	Date: April 15, 2025 at: 08:00	Contact: Anastazia Jagdeo	
Further Actions Required:			
Operator Reporting Termination: <i>Darren McCraw</i>			
MOECC SAC	Tel: 800 268-6060 Fax: 800 268-6061	Comments	
MOH – TBDHU (after hours)	Tel: 807-625-5933 Tel: 807-625-5900 Fax: 807-625-4822	Comments	
Environment Canada	Fax: 819-420-7382 Attn: Wastewater Program		

Verbal notifications: MOECC SAC, MOH, Operations Manager, Client/Owner, VP Operations, Regional Manager
 Fax completed report: MOECC SAC, MOH, Environment Canada, VP Operations/Corporate Office, Regional Manager, Longlac Hub Office Group, Client/Owner, Health Canada, Ginoogaming FN (#77), Long Lake FN (#58)

Environmental Incident Report



System: **Longlac Wastewater Treatment System** MOE Works: **110001042**

Location: **Bayview SPS** Receiver: **Longlake Bay**

Start of Incident:	Date: April 14/25	Time: 11:45
<input type="checkbox"/> Spill	Details/Cause of Incident:	
<input checked="" type="checkbox"/> Bypass	Spring thaw + heavy rain	
<input type="checkbox"/> Other		
Downstream Users <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Possible effects on receiver, environment or downstream users: Longlac WTP, BOD, TSS, Ecoli	
Chlorination <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		
Corrective Actions:	Bypass sampling, TSS, BOD Ecoli	
MOECC SAC called	Date: April 14/25 at 12:20	Contact: Ethibia Campos
MOH (TBDHU) called	Date: April 14/25 at 12:33	Contact: Abby Mackie
Pat Albert called	Date: April 14/25 at 12:36	Contact: Pat Albert
Patti O'Handley called	Date: April 14/25 at 12:37	Contact: Patti O'Handley
Brian Aaltonen called	Date: April 14/25 at 12:42	Contact: Brian Aaltonen
Additional Calls - refer to Notification Cover Sheet		
Reference #: 1-NQ5PB7	Operator Reporting Incident: Neil Morris	

Termination:	Date: APR 14/25	Time: 15:45	Duration: 240 min.
Approximate Volume (m ³)	29.04		
SAC called	Date: April 15/25	at: 08:00	Contact: ANASTAZIA JACOB
Further Actions Required:			

Operator Reporting Termination: **Darren McCraw**

MOECC SAC	Tel: 800 268-6060 Fax: 800 268-6061	Comments
MOH - TBDHU (after hours)	Tel: 807-625-5933 Tel: 807-625-5900 Fax: 807-625-4822	Comments
Environment Canada	Fax: 819-420-7382 Attn: Wastewater Program	

Verbal notifications: MOECC SAC, MOH, Operations Manager, Client/Owner, VP Operations, Regional Manager
 Fax completed report: MOECC SAC, MOH, Environment Canada, VP Operations/Corporate Office, Regional Manager, Longlac Hub Office Group, Client/Owner, Health Canada, Ginoogaming FN (#77), Long Lake FN (#58)

Environmental Incident Report



System: Longlac Wastewater Treatment System MOE Works: 110001042

Location: Bayview P.S Receiver: Long Lake

Start of Incident:		Date: April 28/25	Time: 17:15
<input type="checkbox"/> Spill	Details/Cause of Incident: Spring Thaw / Heavy Rainfall		
<input checked="" type="checkbox"/> Bypass			
<input type="checkbox"/> Other			
Downstream Users <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Possible effects on receiver, environment or downstream users: High B.O.D, T.S.S, E-Coli		
Chlorination	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No	
Corrective Actions:	Sample BOD, TSS, Total Phosphorous, TKN, E-Coli		
MOECC SAC called	Date: April 28/25 at 17:30	Contact: Aaron Daya	
MOH (TBDHU) called	Date: April 28/25 at 17:45	Contact: Allyson Veneziano	
Pat Albert called	Date: April 28/25 at 17:48	Contact: Pat Albert	
Patti O'Handley called	Date: April 28/25 at 17:50	Contact: Patti O'Handley	
Brian Aaltonen called	Date: April 28/25 at 17:55	Contact: Brian Aaltonen	
Additional Calls - refer to Notification Cover Sheet			
Reference #: 1-060001 1-0-0005	Operator Reporting Incident: Michael Gauthier		

Termination:	Date: April 29/25	Time: 10:00	Duration: 1005 minutes
Approximate Volume (m ³)	121.60		
SAC called	Date: April 29/25 at 12:30	Contact: Alim Khan	
Further Actions Required:			
Operator Reporting Termination: Neil Morris			
MOECC SAC	Tel: 800 268-6060 Fax: 800 268-6061	Comments	
MOH - TBDHU (after hours)	Tel: 807-625-5933 Tel: 807-625-5900 Fax: 807-625-4822	Comments	
Environment Canada	Fax: 819-420-7382 Attn: Wastewater Program		

Verbal notifications: MOECC SAC, MOH, Operations Manager, Client/Owner, VP Operations, Regional Manager
 Fax completed report: MOECC SAC, MOH, Environment Canada, VP Operations/Corporate Office, Regional Manager, Longlac Hub Office Group, Client/Owner, Health Canada, Ginoogaming FN (#77), Long Lake FN (#58)

Environmental Incident Report



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

System: Longlac Wastewater Treatment System MOE Works: 110001042

Location: Centennial SPS Receiver: Making Ground River

Start of Incident:		Date: June 22/25	Time: 19:55
<input type="checkbox"/> Spill <input checked="" type="checkbox"/> Bypass <input type="checkbox"/> Other		Details/Cause of Incident: Heavy rain + high flows	
Downstream Users <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Possible effects on receiver, environment or downstream users: High B.O.D, TSS, E-Coli	
Chlorination <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No			
Corrective Actions:			
MOECC SAC called	Date: June 22/25 at 23:50	Contact: Carly Koba	
MOH (TBDHU) called	Date: June 23/25 at 00:30	Contact: Braeden Payne	
Pat Albert called	Date: June 22/25 at 23:04	Contact: Pat	
Patti O'Handley called	Date: June 22/25 at 23:04	Contact: Patti	
Brian Aaltonen called	Date: June 22/25 at 23:04	Contact: Brian	
Additional Calls - refer to Notification Cover Sheet			
Reference #: 1-DMDXFB		Operator Reporting Incident: Neil Morris	

Termination:		Date: June 23/25	Time: 06:00	Duration: 605 minutes
Approximate Volume (m ³)		100.80		
SAC called		Date: June 23/25 at 19:53	Contact: Jonathon Tse	
Further Actions Required:				
Operator Reporting Termination: Michael Gauthier				
MOECC SAC	Tel: 800 268-6060 Fax: 800 268-6061	Comments		
MOH - TBDHU (after hours)	Tel: 807-625-5933 Tel: 807-625-5900 Fax: 807-625-4822	Comments		
Environment Canada	Fax: 819-420-7382 Attn: Wastewater Program			

Verbal notifications: MOECC SAC, MOH, Operations Manager, Client/Owner, VP Operations, Regional Manager
 Fax completed report: MOECC SAC, MOH, Environment Canada, VP Operations/Corporate Office, Regional Manager, Longlac Hub Office Group, Client/Owner, Health Canada, Ginoogaming FN (#77), Long Lake FN (#58)

Environmental Incident Report



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

System: Longlac Wastewater Treatment System MOE Works: 110001042

Location: Feando's SPS Receiver: Longlake

Start of Incident:		Date: <u>June 22/25</u>	Time: <u>18:35</u>
<input type="checkbox"/> Spill <input checked="" type="checkbox"/> Bypass <input type="checkbox"/> Other		Details/Cause of Incident: <u>Heavy rain + High flows</u>	
Downstream Users <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Possible effects on receiver, environment or downstream users: <u>High B.O.D, TSS, E-Coli</u>	
Chlorination		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Corrective Actions:			
MOECC SAC called	Date: <u>June 22/25</u>	at <u>23:50</u>	Contact: <u>Carly Koba</u>
MOH (TBDHU) called	Date: <u>June 23/25</u>	at <u>01:30</u>	Contact: <u>Braeden Payne</u>
Pat Albert called	Date: <u>June 22/25</u>	at <u>23:04</u>	Contact: <u>Pat</u>
Patti O'Handley called	Date: <u>June 22/25</u>	at <u>23:04</u>	Contact: <u>Patti</u>
Brian Aaltonen called	Date: <u>June 22/25</u>	at <u>23:04</u>	Contact: <u>Brian</u>
Additional Calls - refer to Notification Cover Sheet			
Reference #: <u>1-0MDX05</u>		Operator Reporting Incident: <u>Neil Morris</u>	

Termination:		Date: <u>June 23/25</u>	Time: <u>16:35</u>	Duration: <u>1320 minutes</u>
Approximate Volume (m ³)	<u>295.68</u>			
SAC called	Date: <u>June 23/25</u>	at: <u>19:55</u>	Contact: <u>Jonathan Tse</u>	
Further Actions Required:				
Operator Reporting Termination: <u>Michael Gauthier</u>				
MOECC SAC	Tel: 800 268-6060 Fax: 800 268-6061	Comments		
MOH - TBDHU (after hours)	Tel: 807-625-5933 Tel: 807-625-5900 Fax: 807-625-4822	Comments		
Environment Canada	Fax: 819-420-7382 Attn: Wastewater Program			

Verbal notifications: MOECC SAC, MOH, Operations Manager, Client/Owner, VP Operations, Regional Manager
 Fax completed report: MOECC SAC, MOH, Environment Canada, VP Operations/Corporate Office, Regional Manager, Longlac Hub Office Group, Client/Owner, Health Canada, Ginoogaming FN (#77), Long Lake FN (#58)

Environmental Incident Report



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

System: Longlac Wastewater Treatment System MOE Works: 110001042

Location: Kenogami SPS Receiver: Longlake

Start of Incident: Date: June 22/25 Time: 20:35

Spill
 Bypass
 Other

Details/Cause of Incident: Heavy rain + high flows

Downstream Users
 Yes No

Possible effects on receiver, environment or downstream users: High B.C.D, TSS, E-Coli

Chlorination Yes No

Corrective Actions:

MOECC SAC called	Date: June 22/25 at 23:50	Contact: Carly Koba
MOH (TBDHU) called	Date: June 23/25 at 00:30	Contact: Braeden Payne
Pat Albert called	Date: June 22/25 at 23:04	Contact: Pat
Patti O'Handley called	Date: June 22/25 at 23:04	Contact: Patti
Brian Aaltonen called	Date: June 22/25 at 23:04	Contact: Brian

Additional Calls - refer to Notification Cover Sheet

Reference #: 1-OMFRA7 Operator Reporting Incident: Neill Morris

Termination: Date: June 23/25 Time: 13:00 Duration: 985 minutes

Approximate Volume (m³): 319.14

SAC called Date: June 23/25 at 19:57 Contact: Jonathon Tse

Further Actions Required:

Operator Reporting Termination: Michael Gauthier

MOECC SAC	Tel: 800 268-6060 Fax: 800 268-6061	Comments
MOH - TBDHU (after hours)	Tel: 807-625-5933 Tel: 807-625-5900 Fax: 807-625-4822	Comments
Environment Canada	Fax: 819-420-7382 Attn: Wastewater Program	

Verbal notifications: MOECC SAC, MOH, Operations Manager, Client/Owner, VP Operations, Regional Manager
Fax completed report: MOECC SAC, MOH, Environment Canada, VP Operations/Corporate Office, Regional Manager, Longlac Hub Office Group, Client/Owner, Health Canada, Ginoogaming FN (#77), Long Lake FN (#58)

Environmental Incident Report



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

System: Longlac Wastewater Treatment System MOE Works: 110001042

Location: Riverview SPS

Receiver: Kenogami River

Start of Incident:		Date: June 22/25	Time: 19:00
<input type="checkbox"/> Spill <input checked="" type="checkbox"/> Bypass <input type="checkbox"/> Other		Details/Cause of Incident: Heavy rain + high flows	
Downstream Users <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Possible effects on receiver, environment or downstream users: High B.O.D, T.S.S, E-Coli	
Chlorination		<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Corrective Actions:			
MOECC SAC called	Date: June 22/25 at 23:50	Contact: Carly Koba	
MOH (TBDHU) called	Date: June 23/25 at 00:30	Contact: Braeden Payne	
Pat Albert called	Date: June 22/25 at 23:04	Contact: Pat	
Patti O'Handley called	Date: June 22/25 at 23:04	Contact: Patti	
Brian Aaltonen called	Date: June 22/25 at 23:04	Contact: Brian	
Additional Calls - refer to Notification Cover Sheet			
Reference #: 1-OMDxJ2		Operator Reporting Incident: Neill Morris	

Termination:		Date: June 23/25	Time: 07:30	Duration: 750 minutes
Approximate Volume (m ³)		90.75		
SAC called		Date: June 23/25 at 20:00	Contact: Jonathon TSE	
Further Actions Required:				
Operator Reporting Termination: Michael Gauthier				
MOECC SAC		Tel: 800 268-6060	Comments	
		Fax: 800 268-6061		
MOH - TBDHU (after hours)		Tel: 807-625-5933	Comments	
		Tel: 807-625-5900		
		Fax: 807-625-4822		
Environment Canada		Fax: 819-420-7382		
		Attn: Wastewater Program		

Verbal notifications: MOECC SAC, MOH, Operations Manager, Client/Owner, VP Operations, Regional Manager
 Fax completed report: MOECC SAC, MOH, Environment Canada, VP Operations/Corporate Office, Regional Manager, Longlac Hub Office Group, Client/Owner, Health Canada, Ginoogaming FN (#77), Long Lake FN (#58)

Environmental Incident Report



System: Longlac Wastewater Treatment System MOE Works: 110001042
 Location: Bayview SPS Receiver: Longlake

Start of Incident:		Date: June 22/25	Time: 18:50
<input type="checkbox"/> Spill <input checked="" type="checkbox"/> Bypass <input type="checkbox"/> Other		Details/Cause of Incident: Heavy rain + high flows	
Downstream Users <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Possible effects on receiver, environment or downstream users: High B.O.D, T.S.S, E-Coli	
Chlorination		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Corrective Actions:			
MOECC SAC called	Date: June 22/25 at 23:50	Contact: Carly Koba	
MOH (TBDHU) called	Date: June 23/25 at 00:30	Contact: Braeden Payne	
Pat Albert called	Date: June 22/25 at 23:04	Contact: Pat	
Patti O'Handley called	Date: June 22/25 at 23:04	Contact: Patti	
Brian Aaltonen called	Date: June 22/25 at 23:04	Contact: Brian	
Additional Calls - refer to Notification Cover Sheet			
Reference #: 1-DMGHLO		Operator Reporting Incident: Neil Morris	

Termination:	Date: June 23/25	Time: 23:30	Duration: 1720 minutes
Approximate Volume (m ³)	208.12		
SAC called	Date: June 24/25 at 07:50	Contact: Elaine Gold	
Further Actions Required:			

Operator Reporting Termination: Michael Gauthier

MOECC SAC	Tel: 800 268-6060 Fax: 800 268-6061	Comments
MOH - TBDHU (after hours)	Tel: 807-625-5933 Tel: 807-625-5900 Fax: 807-625-4822	Comments
Environment Canada	Fax: 819-420-7382 Attn: Wastewater Program	

Verbal notifications: MOECC SAC, MOH, Operations Manager, Client/Owner, VP Operations, Regional Manager
 Fax completed report: MOECC SAC, MOH, Environment Canada, VP Operations/Corporate Office, Regional Manager, Longlac Hub Office Group, Client/Owner, Health Canada, Ginoogaming FN (#77), Long Lake FN (#58)

Environmental Incident Report



System: Longlac Wastewater Treatment System MOE Works: 110001042

Location: FRANDOLIFT Station Receiver: LONGLAKE BAY

Start of Incident:		Date: SEPT 3, 2025	Time: 08:10
<input type="checkbox"/> Spill <input checked="" type="checkbox"/> Bypass <input type="checkbox"/> Other		Details/Cause of Incident: HEAVY RAIN HIGH FLOWS INFILTRATION	
Downstream Users <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Possible effects on receiver, environment or downstream users: HIGH BOD, TSS & E-COLI	
Chlorination		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	
Corrective Actions:			
MOECC SAC called	Date: 09/03/25 at 09:10	Contact: LORIANNE	
MOH (TBDHU) called	Date: 09/03/25 at 09:00	Contact: MATT BRADICA	
Pat Albert called	Date: _____ at _____	Contact: _____	
Patti O'Handley called	Date: 09/03/25 at 08:30	Contact: TEXT PATTI O'HANDLEY	
Brian Aaltonen called	Date: 09/03/25 at 09:20	Contact: _____	
Additional Calls - refer to Notification Cover Sheet			
Reference #: 1-PG9VSS		Operator Reporting Incident: DARREN MCCRAW	

Termination:	Date: September 03/25	Time: 12:20	Duration: 250 min
Approximate Volume (m ³)	56.0		
SAC called	Date: Sep 3/25 at 14:44	Contact: JUSTIN CHIN	
Further Actions Required:			

Operator Reporting Termination: ELIE HLEIHEL

MOECC SAC	Tel: 800 268-6060	Comments
	Fax: 800 268-6061	
MOH - TBDHU (after hours)	Tel: 807-625-5933	Comments
	Tel: 807-625-5900	
Environment Canada	Fax: 807-625-4822	
	Fax: 819-420-7382 Attn: Wastewater Program	

Verbal notifications: MOECC SAC, MOH, Operations Manager, Client/Owner, VP Operations, Regional Manager
 Fax completed report: MOECC SAC, MOH, Environment Canada, VP Operations/Corporate Office, Regional Manager, Longlac Hub Office Group, Client/Owner, Health Canada, Ginoogaming FN (#77), Long Lake FN (#58)