# Coboconk Wastewater System

# 2025 Annual Wastewater Performance Report

Wastewater System Works Number: 120002353

Wastewater System Operating Authorities: City of Kawartha Lakes and Ontario Clean Water Agency

Reporting Period: January 1st – December 31st, 2025

OCWA

ONTARIO CLEAN WATER AGENCY
AGENCE ONTARIENNE DES EAUX

**Annual Wastewater Performance Report**

City of Kawartha Lakes

Kawartha Lakes
Jump In

# Table of Contents

# 2025 Annual Wastewater System Performance Report

## Executive Summary

The Coboconk Sewage Lagoon is a municipal wastewater system located in Coboconk, Ontario, and is owned by the City of Kawartha Lakes. The system consists of a lagoon-based treatment facility with continuous phosphorus removal and a wastewater collection system comprised of gravity sewers, forcemains, and pumping stations. The lagoon system and sewage pumping stations are operated by the Ontario Clean Water Agency (OCWA), while the collection system is operated and maintained by City of Kawartha Lakes staff. The facility has a rated average daily flow of 421 $m^3$/day.

The treatment system consists of a two (2) cell waste stabilization pond located on Lots 19 and 20 in the former Township of Bexley. Each cell is approximately 50 metres wide by 450 metres long, with a maximum liquid depth of 1.8 metres. The lagoon system provides a total storage volume of approximately 83,700 $m^3$ and a total surface area of approximately 5 hectares, allowing for a minimum retention period of approximately 182 days under normal operating conditions. The system includes inlet and outlet structures, associated piping and appurtenances, and an outfall sewer discharging to the Gull River. The Lagoon Pumping Station (#4) conveys treated effluent through the outfall forcemain to the receiving waterbody. Effluent discharge occurs on a seasonal basis during the approved discharge periods of April 1 to May 31 and November 1 to December 31. Continuous phosphorous removal is incorporated into the treatment process to meet effluent quality objectives.

The Coboconk wastewater collection system consists of gravity sewers, three (3) sewage pumping stations, and associated forcemains conveying wastewater to the lagoon facility. The pumping stations include South Water Street Pumping Station (SPS #1), Water Street Pumping Station (SPS #2), and Main Street Pumping Station (SPS #3). The Main Street Pumping Station is equipped with a standby diesel generator to maintain operation during power outages and includes infrastructure from continuous phosphorous removal.

The Coboconk Sewage Works operates under Environmental Compliance Approval (ECA) #9527-AHVRDY issued March 17, 2017, and Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA) #141-W601, issued May 02, 2025. In accordance with Ontario Regulation 129/04, the system is classified as a Class I Wastewater Treatment Subsystem and Class I Wastewater Collection Subsystem.

This report has been prepared in accordance with the requirements of the Environmental Compliance Approvals noted above. Based on available monitoring data and operational records for the reporting period, the Coboconk Sewage Lagoons operated in compliance with the conditions of its approvals and applicable regulatory requirements, unless otherwise noted in this report.

This Annual Performance Report is available to the public on the City of Kawartha Lakes website and at the Public Works Administration Office located at 322 Kent Street West in Lindsay, Ontario, by appointment. Notification of report availability is provided on the City's website and copies are available free of charge.

# Reporting Requirements – Wastewater Treatment Plant

In accordance with the amended ECA #9527-AHVRDY, Section 11(5) – REPORTING, the owner shall prepare a performance report on a calendar basis and submit to the Ministry of Environment, Conservation and Parks by March 31 of the calendar year following the period being reported upon.

## Section 11(5) – REPORTING

The performance report is required to contain the following:

a) a summary and interpretation of all monitoring data and a comparison to the effluent limits outlined in Condition 7, including an overview of the success and adequacy of the Works;
b) a summary and interpretation of all effluent plume monitoring data and effluent discharge impact assessment to Gull River;
c) tabulation of calculated un-ionized ammonia concentrations in final effluent, based on Total Ammonia Nitrogen concentrations, temperature and pH of final effluent;
d) tabulation of daily flow rates and monthly volumes including average daily flows for discharge periods reported;
e) a summary of all Bypass, spill or abnormal discharge events;
f) an overview of the sludge disposal program, including tabulation of quantity and quality of sludge and the disposal areas used for each sludge source during the reporting period, together with an outline of the proposed sludge handling method and disposal areas to be utilized over the next reporting period;
g) a description of any operating problems encountered and corrective actions taken;
h) a description of efforts made and results achieved in meeting the Effluent Objectives of Condition 6;
i) a summary of any complaints received during the reporting period and any steps taken to address the complaints;
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;

During the reporting period of 2025, the Ontario Clean Water Agency (OCWA) operated the Coboconk Sewage Lagoons on behalf of the Corporation of the City of Kawartha Lakes. OCWA's goals have remained consistent during this period and remain consistent with the following priorities:

- provide quality assurance, safety and environmental compliance of facility operations;
- assist our clients in achieving compliance;
- provide advise on up-to-date technology in Operations and Maintenance service delivery.

This report will show that the Ontario Clean Water Agency has made every attempt to achieve its goals through its operational performance. This performance was enhanced through the use of an electronic process data collection database, an electronic maintenance and work order database, an electronic operational excellence database, a training program focused on providing the right skills to staff – also captured and tracked by the use of an electronic database and a multi-skilled, flexible workforce.

This report will show that the requirements of the facility ECA including effluent monitoring, effluent plume monitoring and reporting requirements were consistently met and that effluent quality was consistently within ECA requirements.

## Summary of Monitoring Data to Limits and Objectives

**(a)** Attached as **Appendix I** is a copy of the 2025 Performance Assessment Report (PAR) and as **Appendix II** is the Lagoon Discharge Report. The reports summarize flows and monitoring data for 2025. The following table summarizes the effluent parameters with limits and 2025 effluent results for each discharge.

### Table 1. Coboconk Sewage Lagoons – Effluent Compliance Limits – 2025 Discharges

| Effluent Parameter (Column 1) | Concentration* (Column 2) | Concentration (mg/L) | Compliant (Y/N) | Waste Loading** | Waste Loading (Kg/d) | Compliant (Y/N) |
|---|---|---|---|---|---|---|
| **Spring May 1 – May 6** | | | | | | |
| $CBOD_5$ | 25.0 (average per discharge) | 4.3 | Y | 231.0 | 29.3 | Y |

| Effluent Parameter (Column 1) | Concentration* (Column 2) | Concentration (mg/L) | Compliant (Y/N) | Waste Loading** | Waste Loading (Kg/d) | Compliant (Y/N) |
|---|---|---|---|---|---|---|
| Total Suspended Solids | 25.0 (average per discharge) | 5.3 | Y | 231.0 | 36.1 | Y |
| Total Phosphorus | 0.5 (average per discharge) | 0.03 | Y | 4.62 | 0.20 | Y |
| Total Ammonia Nitrogen Spring (April 1 – May 31) | 15.0 (daily limit) | 4.9<br>4.3<br>4.4 | Y<br>Y<br>Y | 139.0 | 26.7<br>36.3<br>5.2 | Y<br>Y<br>Y |
| Hydrogen Sulphide | 0.1 (daily limit) | 0.02<br>0.02<br>0.02 | Y<br>Y<br>Y | 0.92 | 0.11<br>0.17<br>0.02 | Y<br>Y<br>Y |
| pH | 6.0 to 9.5 at all times | 8.2<br>7.9<br>7.9 | Y<br>Y<br>Y | - | - | - |
| **Fall Dec 16 - 18** | | | | | | |
| $CBOD_5$ | 25.0 (average per discharge) | 4.0 | Y | 231.0 | 29.1 | Y |
| Total Suspended Solids | 25.0 (average per discharge) | 4.0 | Y | 231.0 | 29.1 | Y |
| Total Phosphorus | 0.5 (average per discharge) | 0.05 | Y | 4.62 | 0.36 | Y |
| Total Ammonia Nitrogen Fall (Nov 1 – Dec 31) | 8.0 (daily limit) | 1.9<br>1.4 | Y<br>Y | 74.0 | 10.7<br>10.6 | Y<br>Y |
| Hydrogen Sulphide | 0.1 (daily limit) | <0.02<br><0.02 | Y<br>Y | 0.92 | 0.11<br>0.15 | Y<br>Y |

| Effluent Parameter (Column 1) | Concentration* (Column 2) | Concentration (mg/L) | Compliant (Y/N) | Waste Loading** | Waste Loading (Kg/d) | Compliant (Y/N) |
|---|---|---|---|---|---|---|
| pH | 6.0 to 9.5 at all times | 8.0<br>7.9 | Y<br>Y | - | - | - |

*mg/L unless otherwise indicated

**Kg/d unless otherwise indicated

**Note:** For the purposes of determining compliance with and enforcing subsection (1):

a) The Seasonal Average Concentration of $CBOD_5$, Total Suspended Solids and Phosphorus named in Column 1 of subsection (1) shall not exceed the corresponding maximum concentration set out in Column 2 of subsection (1).
b) The Seasonal Average Loading of $CBOD_5$, Total Suspended Solids and Phosphorus named in Column 1 of subsection (1) shall not exceed the corresponding maximum concentration set out in Column 2 of subsection (1).
c) The Daily Concentration of Total Ammonia Nitrogen and Hydrogen Sulphide named in Column 1 of subsection (1) shall not exceed the corresponding maximum waste loading set out in Column 3 of subsection (1).
d) The pH of the effluent shall be maintained within the limits outlined in subsection (1), at all times.

The Environmental Compliance Approval (ECA) requires that grab samples be collected on the first day of discharge, every third calendar day during the discharge, and on the final day of discharge. The facility operates within two designated discharge windows: the Spring Discharge period from April 1 to May 31, and Fall Discharge period from November 1 to December 31. Each discharge window permits a maximum discharge duration of 14 days, with a flow rate not exceeding 9,245 $m^3$/day.

As summarized in Table 1, all monitored effluent parameters – including $CBOD_5$, Total Suspended Solids (TSS), Total Phosphorus, Total Ammonia Nitrogen, and Hydrogen Sulphide - were within the limits specified in the ECA for both concentration and waste loading. Additionally, the pH of the effluent remained within the prescribed limits and was fully compliant throughout all discharge events.

In accordance with ECA Effluent Limits (Condition 3), "…*the monthly Geometric Mean Density of E. Coli does not exceed 200 organisms per 100 milliliters of effluent discharged…*" Wastewater treatment facilities are required to report *E.* coli results using the geometric mean of all samples collected within the reporting period. Unlike the arithmetic mean (average), the geometric mean reduces the influence of extreme high or low values, providing a more representative measure of typical bacterial concentrations in the effluent.

Table 2 provides monthly geometric mean density values of *E. coli* in the Coboconk Lagoon effluent for each month that a discharge occurred in 2025.

### Table 2. Coboconk Sewage Lagoons – Effluent E. coli Results for 2025 (org/100 mL)

| Seasonal Discharge Month | May | December |
|---|---|---|
| Monthly Geometric Mean Density of E. coli | 14 | 241 |
| Compliant with Limit of 200 org/100 mL (Y/N) | Y | N* |

*The Water Supervisor was notified of the exceedance noted in the above table. See **Appendix V**.

Total Kjeldhal Nitrogen (TKN) was also sampled in the effluent and results ranged from 2.6 mg/L – 5.5 mg/L in 2025.

## Effluent Plume Monitoring Program

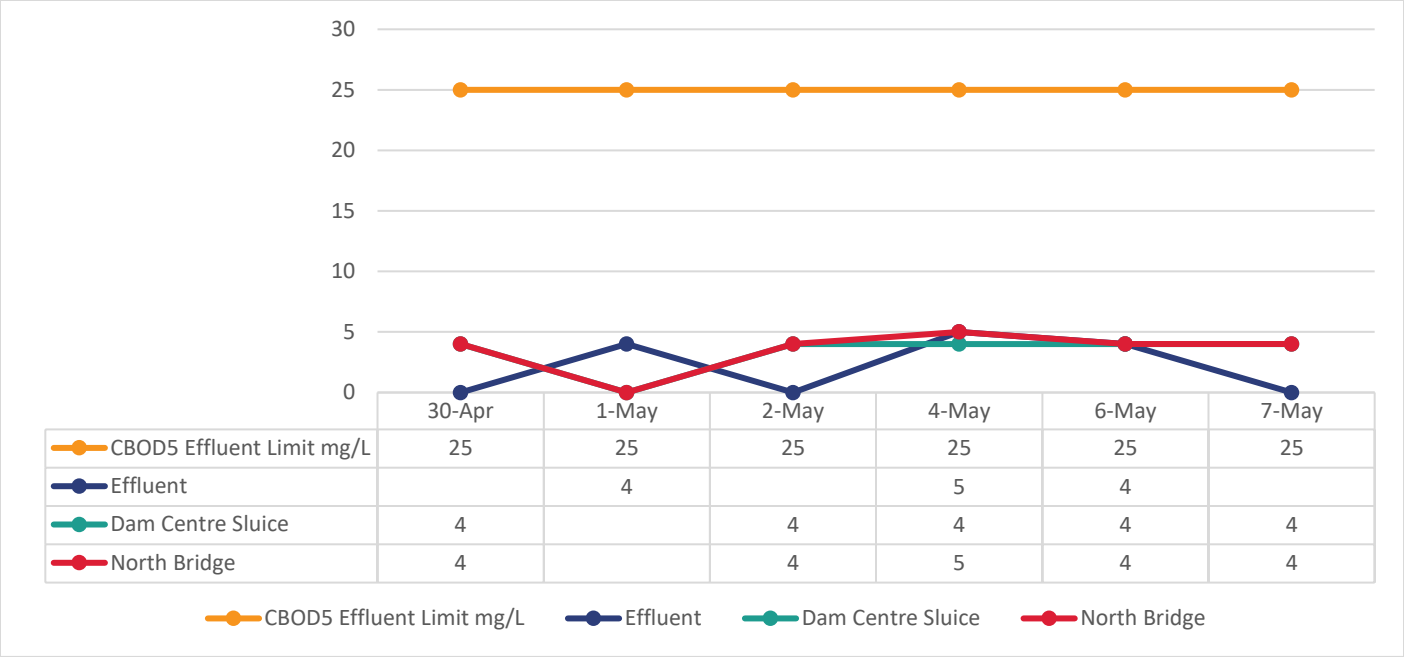
**(b)** An Effluent Plume Monitoring Program is conducted during each seasonal discharge period to evaluate the dilution effect of the sewage effluent discharged to the Gull River. Monitoring samples are collected at designated locations, including the North Bridge and Dam Centre Sluice, and are analyzed for $CBOD_5$, Total Suspended Solids (TSS), Total Phosphorus (TP), Total Ammonia Nitrogen (TAN), Total Kjeldahl Nitrogen (TKN), Hydrogen Sulphide, pH and Temperature.

In accordance with the Environmental Compliance Approval (ECA), grab samples are collected one day prior to the commencement of the seasonal discharge period, every other day during the discharge period, and one day following the completion of the seasonal discharge.

During the reporting period, a Spring discharge event occurred from May 1 to May 6, and a Fall discharge event occurred from December 16 to December 18. Monitoring results for the effluent, North Bridge, and Center Sluice Dam locations are presented in the following graphs and tables for each Effluent Plume Monitoring parameter.

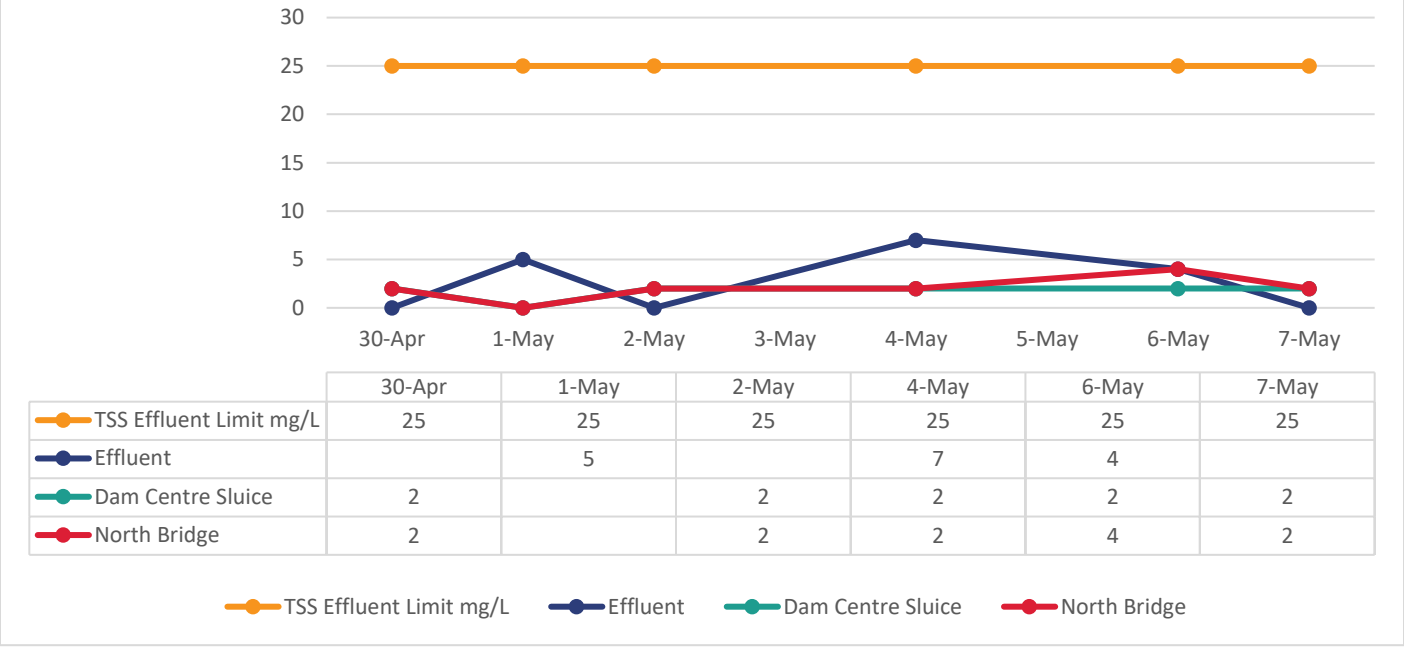
## Spring Discharge – May 1 – 6, 2025

### Graph 1. $CBOD_5$



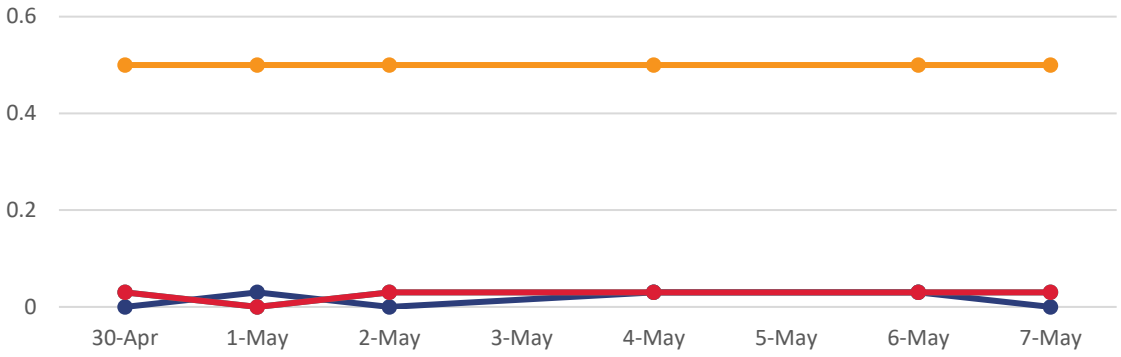

| | 30-Apr | 1-May | 2-May | 4-May | 6-May | 7-May |
|---|---|---|---|---|---|---|
| CBOD5 Effluent Limit mg/L | 25 | 25 | 25 | 25 | 25 | 25 |
| Effluent | | 4 | | 5 | 4 | |
| Dam Centre Sluice | 4 | | 4 | 4 | 4 | 4 |
| North Bridge | 4 | | 4 | 5 | 4 | 4 |

### Graph 2. Total Suspended Solids




| | 30-Apr | 1-May | 2-May | 4-May | 6-May | 7-May |
|---|---|---|---|---|---|---|
| TSS Effluent Limit mg/L | 25 | 25 | 25 | 25 | 25 | 25 |
| Effluent | | 5 | | 7 | 4 | |
| Dam Centre Sluice | 2 | | 2 | 2 | 2 | 2 |
| North Bridge | 2 | | 2 | 2 | 4 | 2 |

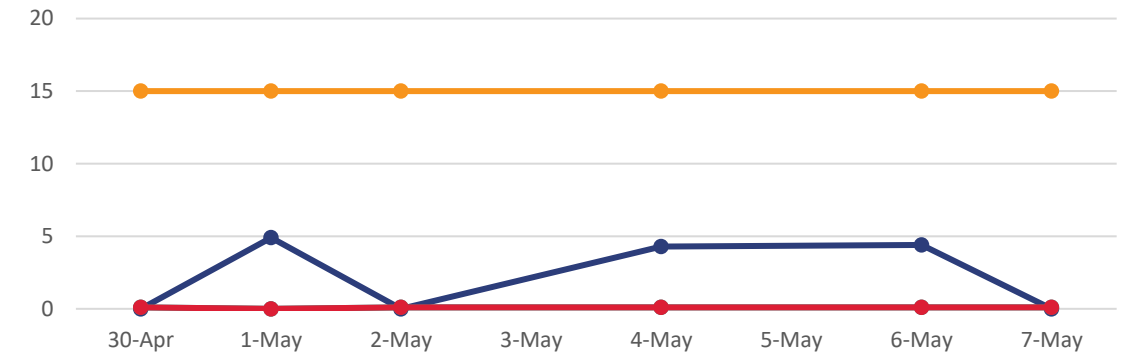
## Graph 3. Total Phosphorus




| | 30-Apr | 1-May | 2-May | 4-May | 6-May | 7-May |
|---|---|---|---|---|---|---|
| TP Effluent Limit mg/L | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Effluent | | 0.03 | | 0.03 | 0.03 | |
| Dam Centre Sluice | 0.03 | | 0.03 | 0.03 | 0.03 | 0.03 |
| North Bridge | 0.03 | | 0.03 | 0.03 | 0.03 | 0.03 |

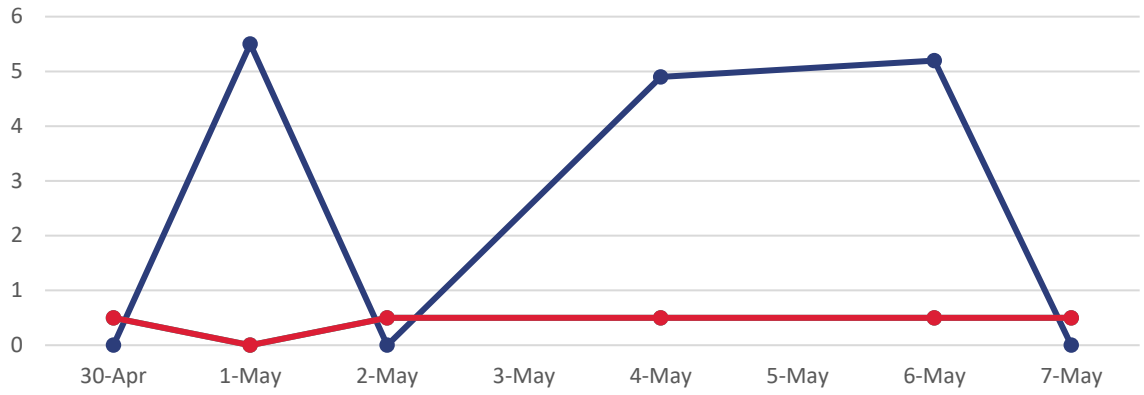


## Graph 4. Total Ammonia Nitrogen




| | 30-Apr | 1-May | 2-May | 4-May | 6-May | 7-May |
|---|---|---|---|---|---|---|
| TAN Effluent Limit mg/L | 15 | 15 | 15 | 15 | 15 | 15 |
| Effluent | | 4.9 | | 4.3 | 4.4 | |
| Dam Centre Sluice | 0.1 | | 0.1 | 0.1 | 0.1 | 0.1 |
| North Bridge | 0.1 | | 0.1 | 0.1 | 0.1 | 0.1 |

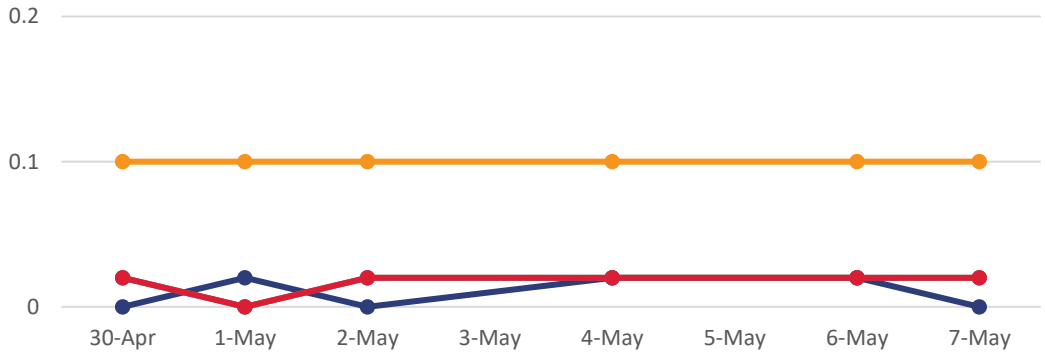
## Graph 5. Total Kjeldahl Nitrogen




| | 30-Apr | 1-May | 2-May | 4-May | 6-May | 7-May |
|---|---|---|---|---|---|---|
| Effluent | | 5.5 | | 4.9 | 5.2 | |
| Dam Centre Sluice | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 |
| North Bridge | 0.5 | | 0.5 | 0.5 | 0.5 | 0.5 |

Effluent Dam Centre Sluice North Bridge

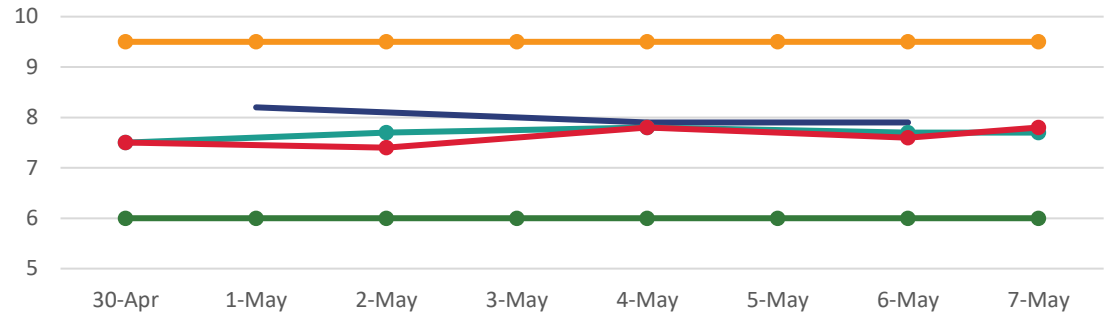
## Graph 6. Hydrogen Sulphide




| | 30-Apr | 1-May | 2-May | 4-May | 6-May | 7-May |
|---|---|---|---|---|---|---|
| Hydrogen Sulphide Limit mg/L | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Effluent | | 0.02 | | 0.02 | 0.02 | |
| Dam Centre Sluice | 0.02 | | 0.02 | 0.02 | 0.02 | 0.02 |
| North Bridge | 0.02 | | 0.02 | 0.02 | 0.02 | 0.02 |

Hydrogen Sulphide Limit mg/L Effluent Dam Centre Sluice North Bridge

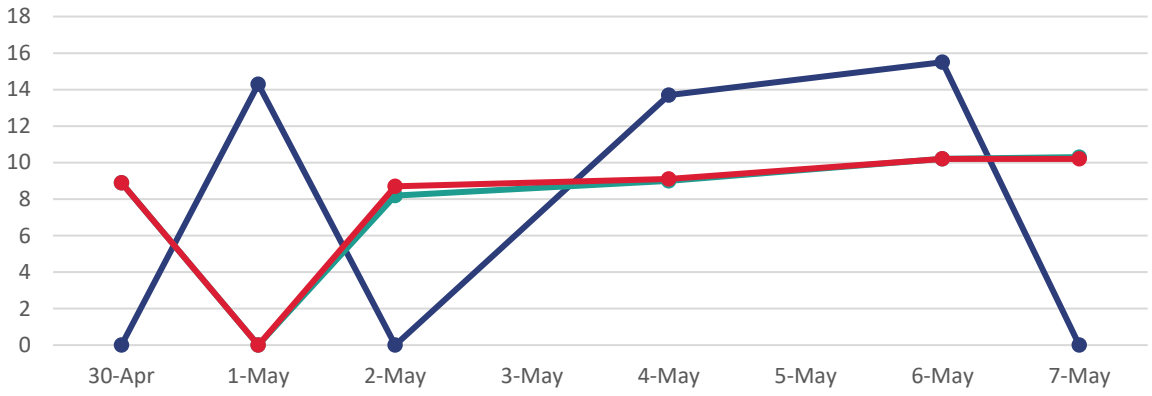
## Graph 7. pH




| | 30-Apr | 1-May | 2-May | 3-May | 4-May | 5-May | 6-May | 7-May |
|---|---|---|---|---|---|---|---|---|
| pH Upper Effluent Limit | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| Effluent | | 8.2 | | | 7.9 | | 7.9 | |
| Dam Centre Sluice | 7.5 | | 7.7 | | 7.8 | | 7.7 | 7.7 |
| North Bridge | 7.5 | | 7.4 | | 7.8 | | 7.6 | 7.8 |
| pH Lower Effluent Limit | 6 | 6 | 6 | 6 | 6 | 6 | 6 | 6 |

pH Upper Effluent Limit  Effluent  Dam Centre Sluice  North Bridge  pH Lower Effluent Limit

## Graph 8. Temperature

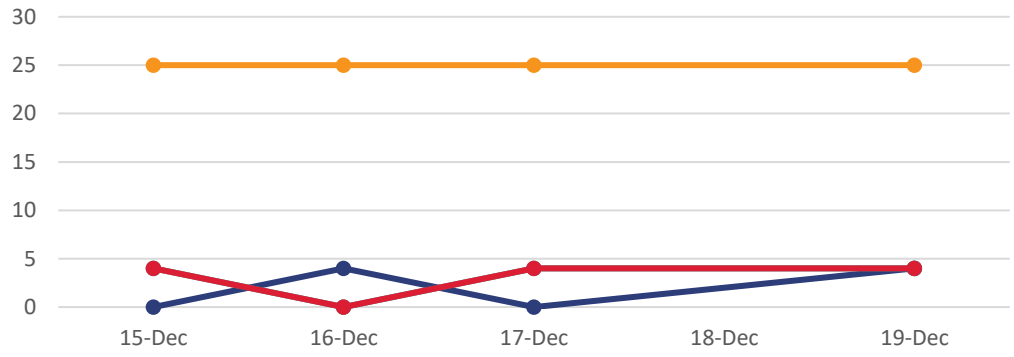



| | 30-Apr | 1-May | 2-May | 4-May | 6-May | 7-May |
|---|---|---|---|---|---|---|
| Effluent | | 14.3 | | 13.7 | 15.5 | |
| Dam Centre Sluice | 8.9 | | 8.2 | 9 | 10.2 | 10.3 |
| North Bridge | 8.9 | | 8.7 | 9.1 | 10.2 | 10.2 |

Effluent  Dam Centre Sluice  North Bridge

## Fall Discharge – December 16 - 18, 2025

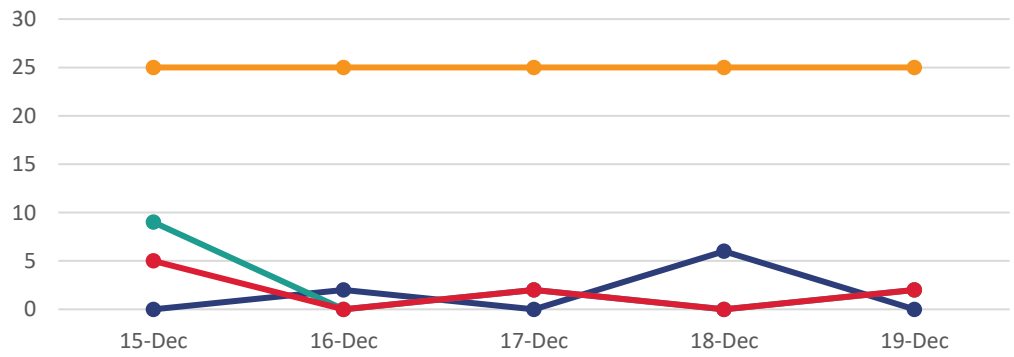
### Graph 1. $CBOD_5$




| | 15-Dec | 16-Dec | 17-Dec | 19-Dec |
|---|---|---|---|---|
| CBOD5 Effluent Limit mg/L | 25 | 25 | 25 | 25 |
| Effluent | | 4 | | 4 |
| South Bridge | 4 | | 4 | 4 |
| Victoria St City Boat Launch Dock | 4 | | 4 | 4 |

CBOD5 Effluent Limit mg/L  Effluent  South Bridge  Victoria St City Boat Launch Dock

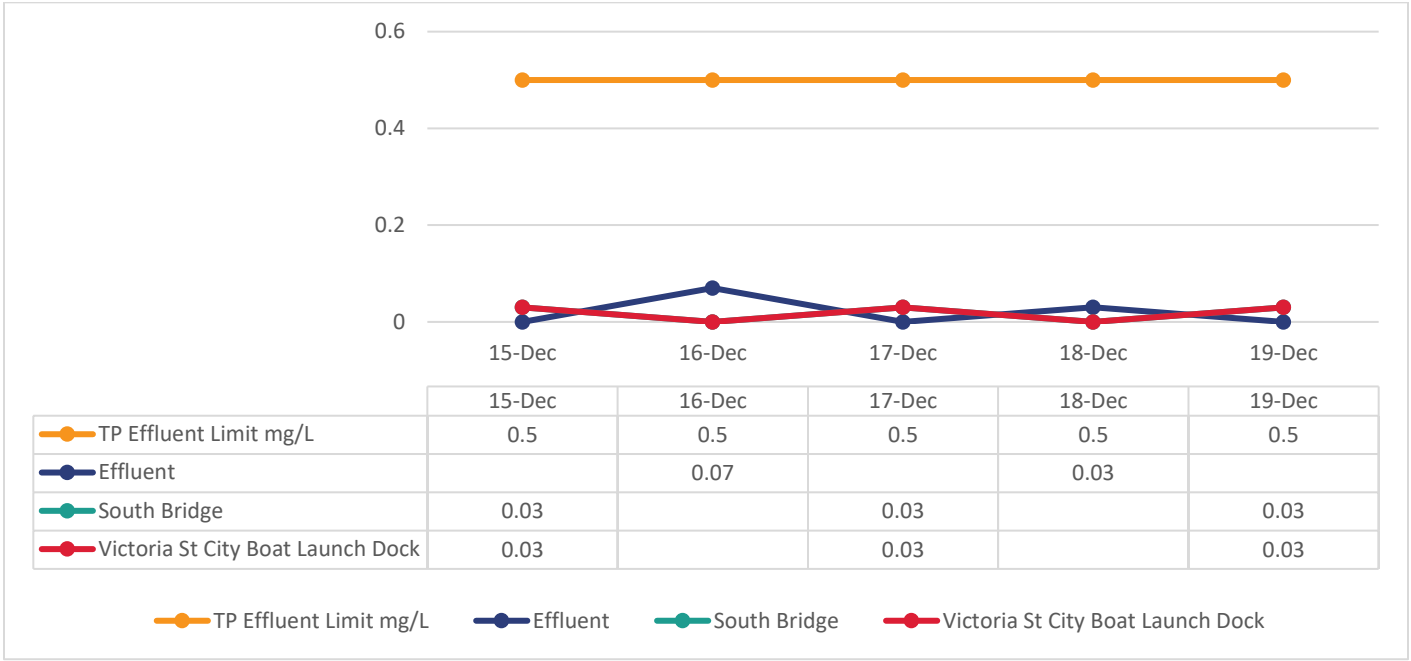
### Graph 2. Total Suspended Solids




| | 15-Dec | 16-Dec | 17-Dec | 18-Dec | 19-Dec |
|---|---|---|---|---|---|
| TSS Effluent Limit mg/L | 25 | 25 | 25 | 25 | 25 |
| Effluent | | 2 | | 6 | |
| South Bridge | 9 | | 2 | | 2 |
| Victoria St City Boat Launch Dock | 5 | | 2 | | 2 |

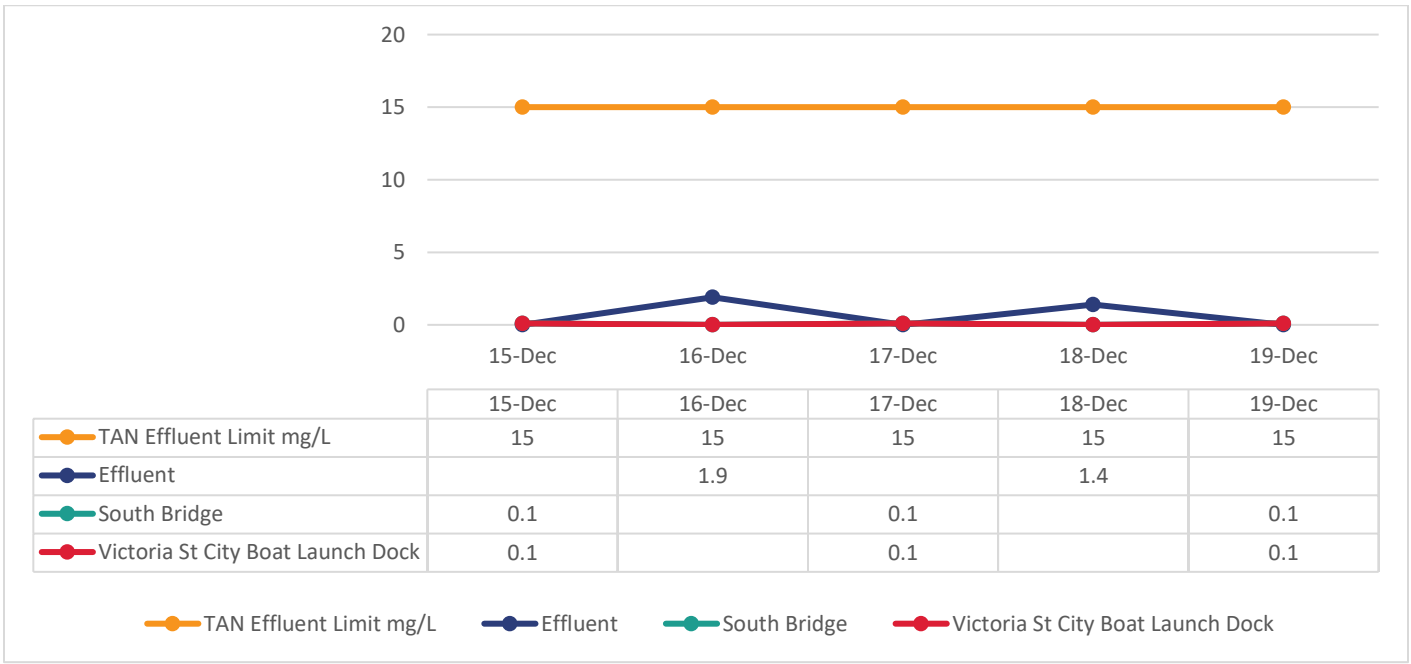
TSS Effluent Limit mg/L  Effluent  South Bridge  Victoria St City Boat Launch Dock

## Graph 3. Total Phosphorus



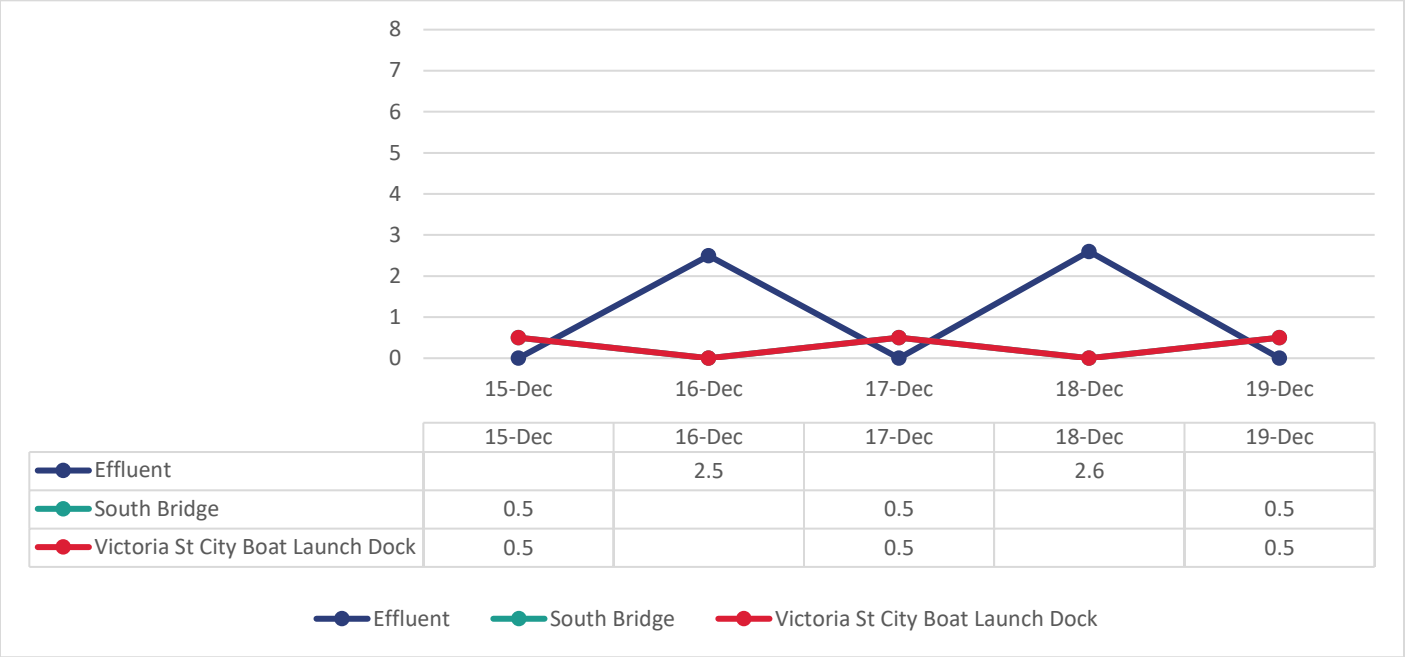

| | 15-Dec | 16-Dec | 17-Dec | 18-Dec | 19-Dec |
|---|---|---|---|---|---|
| TP Effluent Limit mg/L | 0.5 | 0.5 | 0.5 | 0.5 | 0.5 |
| Effluent | | 0.07 | | 0.03 | |
| South Bridge | 0.03 | | 0.03 | | 0.03 |
| Victoria St City Boat Launch Dock | 0.03 | | 0.03 | | 0.03 |

## Graph 4. Total Ammonia Nitrogen



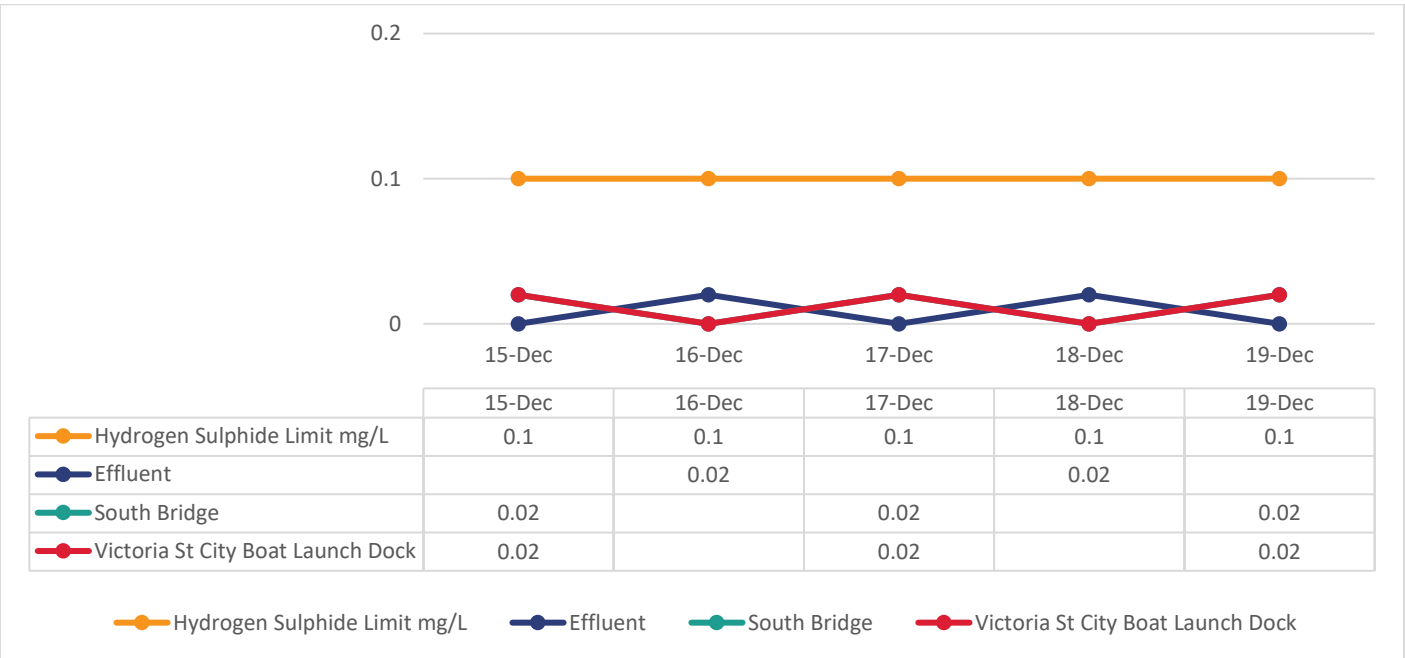

| | 15-Dec | 16-Dec | 17-Dec | 18-Dec | 19-Dec |
|---|---|---|---|---|---|
| TAN Effluent Limit mg/L | 15 | 15 | 15 | 15 | 15 |
| Effluent | | 1.9 | | 1.4 | |
| South Bridge | 0.1 | | 0.1 | | 0.1 |
| Victoria St City Boat Launch Dock | 0.1 | | 0.1 | | 0.1 |

## Graph 5. Total Kjeldahl Nitrogen



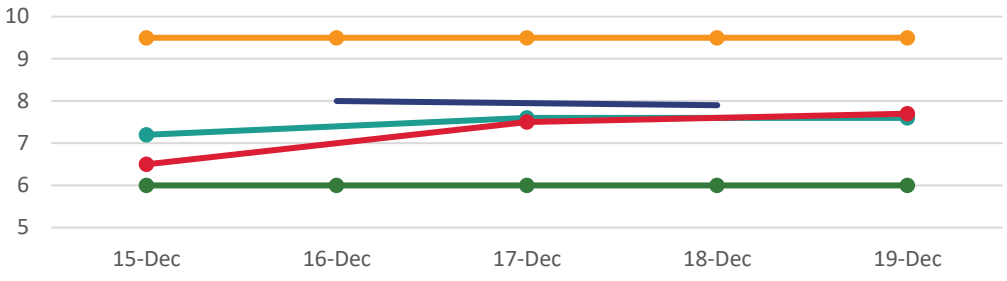

| | 15-Dec | 16-Dec | 17-Dec | 18-Dec | 19-Dec |
|---|---|---|---|---|---|
| Effluent | | 2.5 | | 2.6 | |
| South Bridge | 0.5 | | 0.5 | | 0.5 |
| Victoria St City Boat Launch Dock | 0.5 | | 0.5 | | 0.5 |

## Graph 6. Hydrogen Sulphide




| | 15-Dec | 16-Dec | 17-Dec | 18-Dec | 19-Dec |
|---|---|---|---|---|---|
| Hydrogen Sulphide Limit mg/L | 0.1 | 0.1 | 0.1 | 0.1 | 0.1 |
| Effluent | | 0.02 | | 0.02 | |
| South Bridge | 0.02 | | 0.02 | | 0.02 |
| Victoria St City Boat Launch Dock | 0.02 | | 0.02 | | 0.02 |

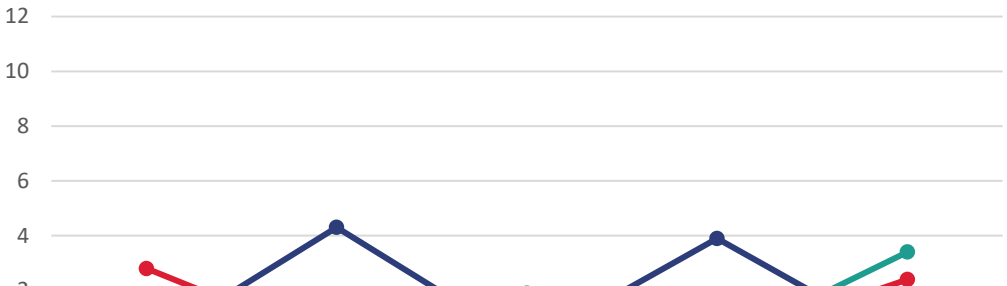
## Graph 7. pH




| | 15-Dec | 16-Dec | 17-Dec | 18-Dec | 19-Dec |
|---|---|---|---|---|---|
| pH Upper Effluent Limit | 9.5 | 9.5 | 9.5 | 9.5 | 9.5 |
| Effluent | | 8 | | 7.9 | |
| South Bridge | 7.2 | | 7.6 | | 7.6 |
| Victoria St City Boat Launch Dock | 6.5 | | 7.5 | | 7.7 |
| pH Lower Effluent Limit | 6 | 6 | 6 | 6 | 6 |



## Graph 8. Temperature




| | 15-Dec | 16-Dec | 17-Dec | 18-Dec | 19-Dec |
|---|---|---|---|---|---|
| Effluent | | 4.3 | | 3.9 | |
| South Bridge | 1.7 | | 1.9 | | 3.4 |
| Victoria St City Boat Launch Dock | 2.8 | | 1.8 | | 2.4 |



These results suggest that, for the parameters analyzed, the effluent discharges have had little to no impact on the water quality of the Gull River in 2025.

## Un-ionized Ammonia Concentrations

**(c)** Condition 9 (7) requires the temperature and pH of the effluent to be determined in the field at the time of sampling for TAN. The concentration of un-ionized ammonia shall be calculated using the TAN concentration, pH and temperature using the methodology stipulated in "Ontario's Provincial Water Quality Objective" dated July 1994, as amended, for ammonia (un-ionized). Table 3 provides a tabulation of the Coboconk Sewage Lagoon Effluent Un-ionized Ammonia Results for 2025.

### Table 3. Coboconk Sewage Lagoons – Effluent Un-ionized Ammonia Results for 2025

| Date | Total Ammonia Nitrogen (mg/L) | Field Temperature (°C) | Field pH | Un-ionized ammonia (mg/L) |
|---|---|---|---|---|
| 05/01/25 | 4.9 | 14.3 | 8.2 | 0.185 |
| 05/04/25 | 4.3 | 13.7 | 7.9 | 0.087 |
| 05/06/25 | 4.4 | 15.5 | 7.9 | 0.104 |
| 12/16/25 | 1.9 | 4.3 | 8.0 | 0.022 |
| 12/18/25 | 1.4 | 3.9 | 7.9 | 0.013 |

## Flows

**(d)** The facility is operated on a semi-annual discharge basis with effluent discharge commencing no earlier than April 1 or terminating not later than May 31 in spring (Spring Effluent Discharge Period) and not earlier than November 1 or terminating not later than December 31 in the fall (Fall Effluent Discharge Period). Each period is allowed a maximum of 14 days at a discharge flow rate not exceeding 9,245 $m^3$/day. Table 4 and 5 show the effluent discharges were compliant with the Spring and Fall Effluent Discharge Periods, number of discharge days and the discharge flow rate.

### Table 4. Spring Effluent Discharge Period April 1 – May 31

| Date | Flow Limit ($m^3$/day) | Flow ($m^3$/day) | Compliance (Y/N) | # Days / Discharge Limit | # of Days of Discharge | Compliant (Y/N) |
|---|---|---|---|---|---|---|
| 05/01/25 | 9,245 | 5,507.9 | Y | 14 | 6 | Y |
| 05/02/25 | 9,245 | 8,519.7 | Y | 14 | 6 | Y |
| 05/03/25 | 9,245 | 8,528.3 | Y | 14 | 6 | Y |
| 05/04/25 | 9,245 | 8,448.8 | Y | 14 | 6 | Y |
| 05/05/25 | 9,245 | 7,419.6 | Y | 14 | 6 | Y |

| Date | Flow Limit (m³/day) | Flow (m³/day) | Compliance (Y/N) | # Days / Discharge Limit | # of Days of Discharge | Compliant (Y/N) |
|---|---|---|---|---|---|---|
| 05/06/25 | 9,245 | 2,082.6 | Y | 14 | 6 | Y |

Total volume of effluent discharged in the Spring of 2025 was 40,506.7 m³.

## Table 5. Fall Effluent Discharge Period November 1 – December 31

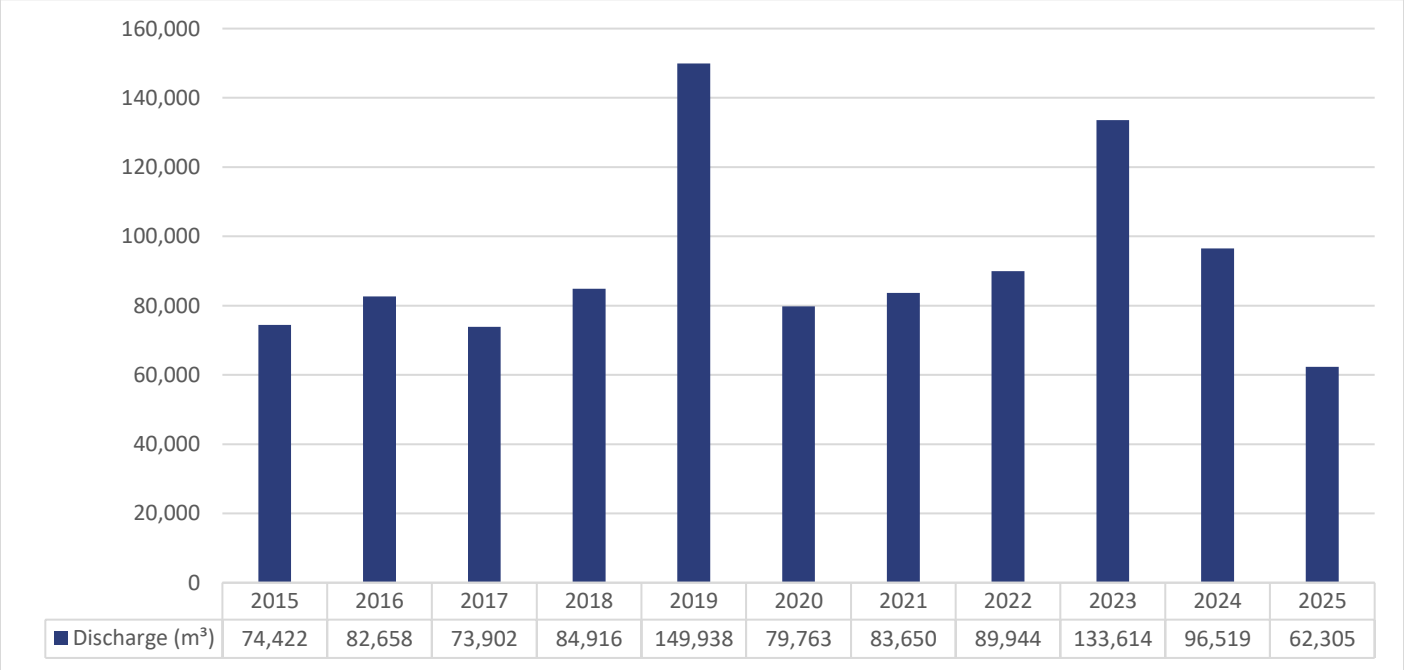
| Date | Flow Limit (m³/day) | Flow (m³/day) | Compliance (Y/N) | # Days / Discharge Limit | # of Days of Discharge | Compliant (Y/N) |
|---|---|---|---|---|---|---|
| 12/16/25 | 9,245 | 5,655.1 | Y | 14 | 3 | Y |
| 12/17/25 | 9,245 | 8,578.3 | Y | 14 | 3 | Y |
| 12/18/25 | 9,245 | 7,565.4 | Y | 14 | 3 | Y |

Total volume of effluent discharged in the Fall 2025 was 21,798.7 m³.

The total volume of effluent discharged from the Coboconk Sewage Lagoons was 62,305.4 m³.

The following chart provides the annual total discharge flow from the Coboconk Sewage Lagoons since 2015.

## Graph 9. Annual Total Discharge Flow Comparison



The total discharge effluent flows from the Coboconk Sewage Lagoons showed a decrease in 2025 after remaining relatively consistent from 2020-2022. Weather conditions have an impact on the amount of effluent discharged each year. Evaporation due to high temperatures and strong winds can lower the volumes while heavy precipitation periods can increase the total effluent discharged. 2025 had a combination of high temperatures and low precipitation.

## By-pass, Spill or Abnormal Discharge Events

**(e)** A summary of By-pass, Spill or Abnormal Discharge Events

### Bypasses
There were not any bypasses at the Coboconk Sewage Lagoons during 2025.

### Spills
There were not any spills at the Coboconk Sewage Lagoons during 2025.

### Overflows
There were not any overflows at the Coboconk Sewage Lagoons or pumping stations in 2025.

### Abnormal Discharge Events
There were not any abnormal discharge events at the Coboconk Sewage Lagoons in 2025.

Refer to **Appendix V: Bypasses, Overflows, Spills or Abnormal Events** for copies of the quarterly Bypass and Overflow reports, and Notice of Exceedance submitted to the Ministry of Environment, Conservation and Parks.

## Sludge

**(f)** A sludge disposal program took place at the Coboconk Sewage Lagoons from July- September 06, 2023 with 6,682 $m^3$ of sludge being removed from the south cell and disposed of via field application. No sludge was removed in 2025.

## Operational Challenges and Corrective Actions

**(g)** The extreme heat and little rainfall in the summer of 2025 was an operational challenge which caused the level in both lagoons to go down from evaporation. This challenge caused odour, extra transfers and continued lagoon inspections.

During the fall discharge there was a challenge with sampling from the North Bridge and Dam, Center Sluice in the Gull River as indicated in the ECA. Due to the temperatures, snow accumulation and lower water levels from the summer, during the fall discharge sampling,

locations had to be adjusted. Samples were still taken from two locations but just at slightly different locations on the Gull River. The South Bridge (downstream from the Dam) and the Victoria Street Boat Launch Dock (downstream of the South Bridge) were utilized after gaining approval from the Ministry.

## Best Efforts to Achieve Design Objectives of Condition 6

**(h)** Table 6. Coboconk Sewage Lagoon Effluent Objectives summarizes the results for the parameters tested.

### Table 6. Coboconk Sewage Lagoon – Effluent Objectives – 2025 Discharges

| Effluent Parameter | Concentration Objective* | Concentration (mg/L) | Objective Met (Y/N) | Waste Loading ** | Waste Loading (Kg/d) | Objective Met (Y/N) |
|---|---|---|---|---|---|---|
| **Spring May 1 - 6** | | | | | | |
| $CBOD_5$ | 15.0 (average per discharge) | 4.3 | Y | 139.0 | 29.3 | Y |
| Total Suspended Solids | 20.0 (average per discharge) | 5.3 | Y | 185.0 | 36.0 | Y |
| Total Phosphorus | <0.5 (average per discharge) | 0.03 | Y | <4.62 | 0.20 | Y |
| Total Ammonia Nitrogen Spring (April 1 – May 31) | 10.0 (daily limit) | 4.9<br>4.3<br>4.4 | Y<br>Y<br>Y | 92.5 | 27.0<br>36.3<br>9.2 | Y<br>Y<br>Y |
| Hydrogen Sulphide | Absent | <0.02<br><0.02<br><0.02 | Y<br>Y<br>Y | Absent | 0.11<br>0.17<br>0.04 | See Note Below |
| pH | 6.5 to 8.5 at all times | 8.2<br>7.9<br>7.9 | Y<br>Y<br>Y | - | - | - |
| E. Coli | 200 organisms/100 mL | 33<br>0<br>6 | Y<br>Y<br>Y | - | - | - |
| **Fall Dec 16 - 18** | | | | | | |

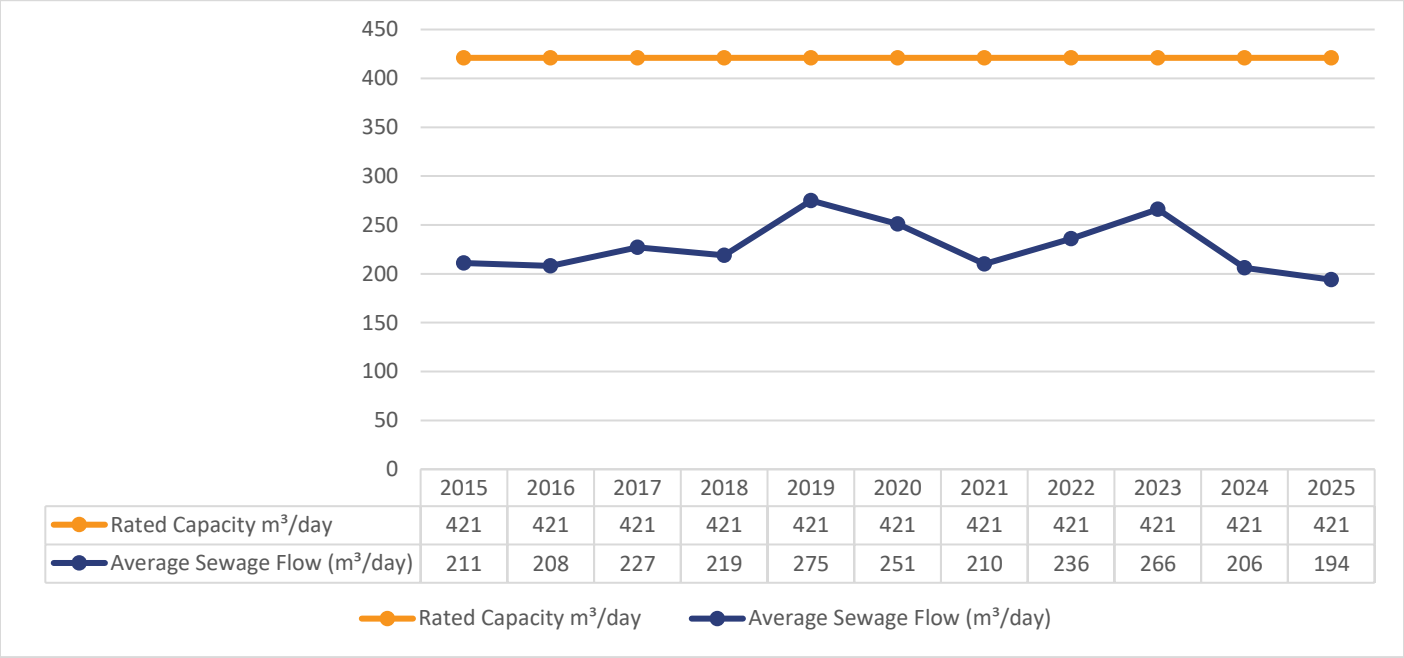
| Effluent Parameter | Concentration Objective* | Concentration (mg/L) | Objective Met (Y/N) | Waste Loading ** | Waste Loading (Kg/d) | Objective Met (Y/N) |
|---|---|---|---|---|---|---|
| $CBOD_5$ | 15.0 (average per discharge) | 4.0 | Y | 139.0 | 29.1 | Y |
| Total Suspended Solids | 20.0 (average per discharge) | 4.0 | Y | 185.0 | 29.1 | Y |
| Total Phosphorus | <0.5 (average per discharge) | 0.05 | Y | <4.62 | 0.36 | Y |
| Total Ammonia Nitrogen Fall (Nov 1 – Dec 31) | 5.0 (daily) | 1.9<br>1.4 | Y<br>Y | 92.5 | 10.7<br>10.6 | Y<br>Y |
| Hydrogen Sulphide | Absent | <0.02<br><0.02 | Y<br>Y | Absent | 0.11<br>0.15 | See Note Below |
| pH | 6.5 to 8.5 at all times | 8.0<br>7.9 | Y<br>Y | - | - | - |
| E. Coli | 200 organisms/100 mL | 727<br>80 | N<br>Y | - | - | - |

**Note:** For the purpose of calculating loadings for hydrogen sulphide, a value of 0.02 mg/L was used; however, a result of < the laboratory's method detection limit is indicative of the possible absence of hydrogen sulphide.

Rated Capacity of 421 $m^3$/day is the Annual Average Daily Flow for which the Coboconk Sewage Lagoons is approved to handle sewage. The Average Daily Flow is determined by the cumulative total sewage flow into the plant. The total raw flow for 2025 was 70,925.29 $m^3$, resulting in an average daily flow of 194.32 $m^3$/day.

The following graph shows the lagoon has been operating within the Rated Capacity for the past ten years.

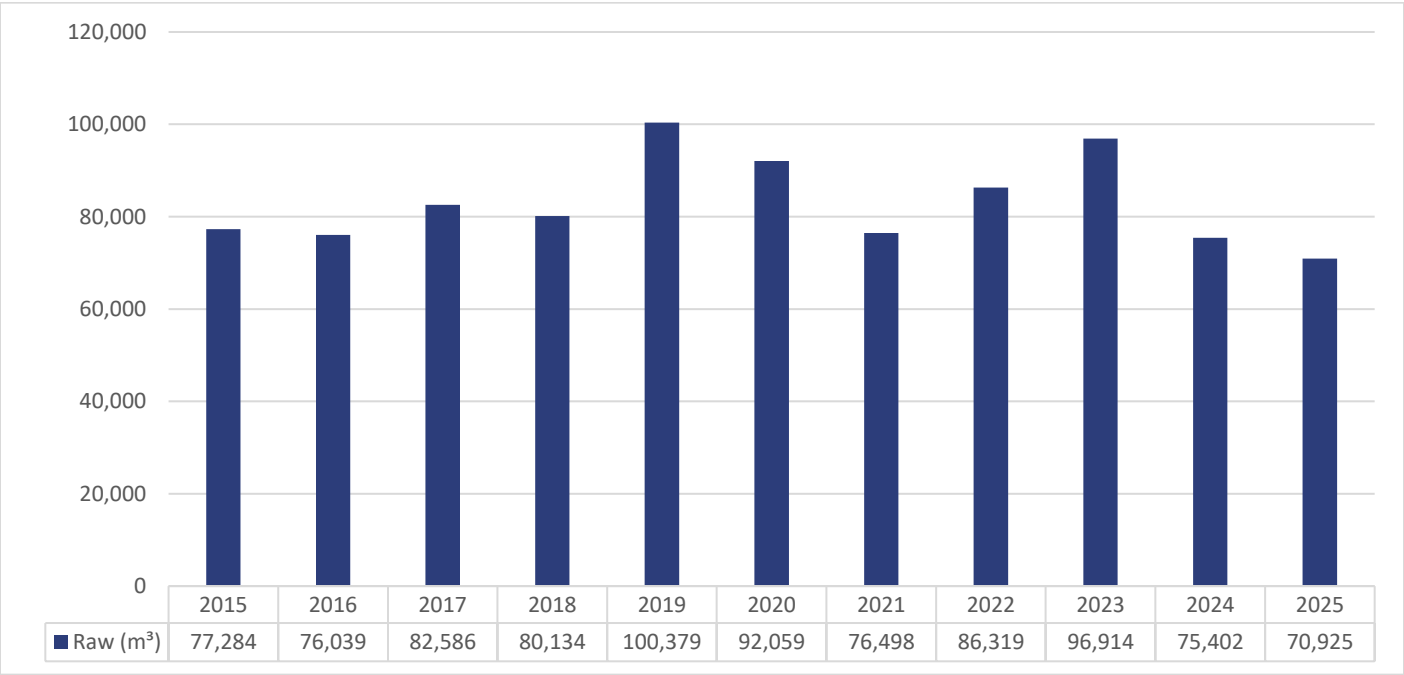
## Graph 10. Average Sewage Flow and Rated Capacity Comparison




| | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Rated Capacity m³/day | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 | 421 |
| Average Sewage Flow (m³/day) | 211 | 208 | 227 | 219 | 275 | 251 | 210 | 236 | 266 | 206 | 194 |

Additionally, the following graph depicts total annual sewage flow since 2015 into the Coboconk Sewage Lagoons.

## Graph 11. Annual Total Sewage Flow Comparison




| | 2015 | 2016 | 2017 | 2018 | 2019 | 2020 | 2021 | 2022 | 2023 | 2024 | 2025 |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Raw (m³) | 77,284 | 76,039 | 82,586 | 80,134 | 100,379 | 92,059 | 76,498 | 86,319 | 96,914 | 75,402 | 70,925 |

Effluent quality assurance is maintained in several ways. Laboratory samples are sent to an accredited laboratory (SGS Lakefield) for analysis of all effluent parameters. Sampling calendars issued to the operator denote frequency of sampling and these calendars are submitted to the Process Compliance Technician at the end of each month. Raw, effluent and effluent plume monitoring samples are collected as per the Environmental Compliance Approval (ECA) and the results are reviewed on a regular basis to ensure compliance with site objectives and limits.

Work orders are scheduled through our asset maintenance management system to ensure preventative and corrective maintenance is completed and recorded by operations staff. A summary is attached as **Appendix III.** Flow meters are calibrated annually and the 2025 calibration reports are provided in **Appendix IV**.

OCWA conducts internal audits of facilities and develops Action Plans to ensure deficiencies are identified and corrected. OCWA has developed comprehensive manuals detailing operations, maintenance, instrumentation and emergency procedures. To ensure facilities are operated in compliance with applicable legal requirements, facility staff has access to a network of compliance and support professionals at the hub, regional and corporate level.

Continuous phosphorus removal is achieved with the dosing of Aluminum sulphate. A summary of its use and dosing rates for 2025 is provided in Table 7.

## Table 7. Coagulant Use and Dosing 2025

| | Aluminum Sulphate (kg) | Aluminum Sulphate Average Dosage (mg/L) |
|---|---|---|
| January | 720.10 | 127.49 |
| February | 520.20 | 136.00 |
| March | 1422.50 | 117.01 |
| April | 1247.25 | 113.42 |
| May | 823.40 | 117.06 |
| June | 626.30 | 114.91 |
| July | 477.90 | 126.47 |
| August | 335.80 | 95.45 |
| September | 531.46 | 117.64 |
| October | 676.40 | 139.09 |
| November | 421.80 | 75.29 |
| December | 501.40 | 101.90 |

Some of the continuous efforts made to meet the Effluent Objectives of Condition 6 are as follows:

- Sampling effluent and raw as per the Environmental Compliance Approval (ECA).
- Routine inspection of the lagoons for berm stability, odours, and condition of cell contents.
- Ensuring that aluminum sulphate is being dosed.
- Calibration of the pH meter before use.

- Performing preventative maintenance activities in accordance with work order schedules.
- Monitoring treatment processes through review of lab results.
- Annual calibration of flow meters.
- Monitoring sludge depth.

## Complaints

**(i)** A Site Inspection Report was developed by the City and put into use in 2018. Inspections are completed by operations staff and forwarded to the City. These reports are reviewed during the routine meetings held between the City and OCWA. A summary of complaints received by the operating authority is provided in the following table.

### Table 8. Summary of Community Complaints

| Date | Issue | Actions Taken |
|---|---|---|
| July 21, 2025 | Odour | Odour caused by seasonal transfer between lagoons. Hot dry weather contributing to odour. Information provided to owner. |

## Notice of Modifications to Sewage Works

**(j)** There were not any Notices of Modifications to Sewage Works initiated, worked on or completed in 2025.

## Schedule B, Section 3 Modifications

**(k)** A summary of all modifications completed as a result of Schedule B, Section 3 are included in **Appendix III: Maintenance Summary**

## Additional Request by Water Supervisor

**(l)** The Water Supervisor has not requested any additional information be included in this report.

## Reporting Requirements – Wastewater Collection System

In accordance with the Consolidated Linear Infrastructure – Environmental Compliance Approval #141-W601 the owner shall prepare a performance report on a calendar basis and submit to the

Ministry of Environment, Conservation and Parks by March 31 of the calendar year following the period being reported upon.

**4.6 (a) a summary of all required monitoring data along with an interpretation of the data and any conclusions drawn from the data evaluation about the need for future modifications to the Authorized System or system operations.**

The Coboconk Sewage Collection System consists of works for the collection and transmission of sewage, consisting of 3.5 km of sanitary sewer piping, three sewage pumping stations that eventually discharges into the Coboconk Sewage Lagoons.

Raw Sewage flow data from pumping station number three is captured in **Appendix I** and section g of this report along with an interpretation of the data and any conclusions drawn from the data evaluation.

Aluminum Sulphate monthly use and average dosage is captured in Table 7. Coagulant Use and Dosing 2025. Continuous phosphorus removal was achieved with the dosing of aluminum sulphate.

**4.6 (b) a summary of any operating problems encountered and corrective actions taken.**

There were no significant operating problems or encounters during reporting period.

**4.6 (c) a summary of all calibration, maintenance, and repairs carried out on any major structure, equipment, apparatus, mechanisms, or thing forming part of the Municipal Sewage Collection System.**

A regular scheduled calibration and maintenance program has been kept up to date as scheduled on a daily, weekly, semi-annual and annual basis. All equipment calibration and maintenance scheduling and standard procedures are provided by Maximo Computerized Maintenance System.

Attached is **Appendix III: Maintenance Summary**, a Work Order Summary report, showing all preventative and corrective maintenance activities performed at the Coboconk Sewage Lagoons, including the collection system, during 2025.

Attached is **Appendix IV: Calibration Report**, flow meters are calibrated annually.

**4.6 (d) a summary of any complaints related to the Sewage Works received during the reporting period and any steps taken to address the complaints.**

Complaints related to the Coboconk Sewage Collection System and steps taken to address the complaints for 2025 are included in Table 8. Summary of Community Complaints.

**4.6 (e) a summary of all Alterations to the Authorized System within the reporting period that are authorized by this Approval including a list of Alterations that pose a Significant Drinking Water Threat.**

There were no Alterations made to the Coboconk Sewage Collection System in 2025.

**4.6 (f) a summary of all Collection System Overflow(s) and Spill(s) of Sewage, including:**

**i) Dates;**

**ii) Volumes and durations**

**iii) If applicable, loadings for total suspended solids, BOD, total phosphorus, and total Kjeldahl nitrogen, and sampling results for E. coli;**

**iv) Disinfection, if any; and**

**v) Any adverse impact(s) and any corrective actions, if applicable.**

The Coboconk Sewage Collection system did not experience any collection system Overflows or Spills in 2025.

**4.6 (g) a summary of efforts made to reduce Collection System Overflows, Spills, STP Overflows, and/or STP Bypasses, including the following items, as applicable:**

**i) 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.**

Regular manhole inspections are completed by City operations staff to identify deficiencies that may contribute to inflow and infiltration (I&I) and increase the risk of overflows. The City maintains an ongoing manhole rehabilitation program, which includes grouting, moduloc replacement, and frame and cover replacement.

In areas where manholes are located in low-lying or flood-prone locations, rain stoppers are installed to prevent inflow during wet weather events, further reducing the risk of system overflows.

During the 2025 reporting period there were no collection system overflows or bypasses. However, the following operational activities were performed to help reduce overflow potential:

Full System Flushing - $5,050

For 2026, $3,600 has been budgeted to address any manhole deficiencies and $4,200 has been budgeted to perform sanitary sewer flushing in dead-end/troubled areas.

**ii) Details of the establishment and maintenance of a PPCP, including a summary of project progresses compared to the PPCP's timeline.**

The Coboconk Sewage Collection system does not contain combined sewers and therefore is not required to complete a Pollution Prevention and Control Plan (PPCP).

**iii) An assessment of the effectiveness of each action taken.**

None to report at this time.

**iv) 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.**

N/A

**v) Public reporting approach including proactive efforts**

SOP WWC02 Wastewater Bypass/Overflow Notification Procedure has been developed and has been in practice since 2021, which clearly outlines all reporting protocols to both regulatory agencies and the public in various situations. This procedure was developed in consultation with Ontario Clean Water Agency, Ministry of Environment, Conservation and Parks and Ministry of Health.

# APPENDIX I

## Performance Assessment Report

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

# Performance Assessment Report

From 1/1/2025 to 12/31/2025



**6078 COBOCONK WASTEWATER TREATMENT LAGOON 120002353**

| | 1 / 2025 | 2/ 2025 | 3/ 2025 | 4/ 2025 | 5/ 2025 | 6/ 2025 | 7/ 2025 | 8/ 2025 | 9/ 2025 | 10/ 2025 | 11/ 2025 | 12/ 2025 | <--Total--> | <--Avg--> | <--Max--> |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Flows** | | | | | | | | | | | | | | | |
| Raw Flow: Total - Raw m³/d | 5,730.60 | 5,049.80 | 12,483.50 | 11,073.50 | 7,054.30 | 5,429.00 | 3,823.20 | 3,540.39 | 2,989.00 | 3,529.20 | 5,416.00 | 4,806.80 | 70,925.29 | | |
| Raw Flow: Avg - Raw m³/d | 184.86 | 180.35 | 402.69 | 369.12 | 227.56 | 180.97 | 123.33 | 114.21 | 99.63 | 113.85 | 180.53 | 155.06 | | 194.32 | |
| Raw Flow: Max - Raw m³/d | 334.00 | 1,352.00 | 572.50 | 555.00 | 327.20 | 239.30 | 167.00 | 155.69 | 123.00 | 207.00 | 316.00 | 192.50 | | | 1,352.00 |
| Raw Flow: Count - Raw m³/d | 31.00 | 28.00 | 31.00 | 30.00 | 31.00 | 30.00 | 31.00 | 31.00 | 30.00 | 31.00 | 30.00 | 31.00 | 365.00 | | |
| Eff. Flow: Total - Effluent m³/d | 0.00 | 0.00 | 0.00 | 0.00 | 40,506.71 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 21,798.69 | 62,305.40 | | |
| Eff. Flow: Avg - Effluent m³/d | 0.00 | 0.00 | 0.00 | 0.00 | 6,751.12 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 7,266.23 | | 6,922.82 | |
| Eff. Flow: Max - Effluent m³/d | 0.00 | 0.00 | 0.00 | 0.00 | 8,528.25 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 8,578.25 | | | 8,578.25 |
| Eff Flow: Count - Effluent m³/d | 0.00 | 0.00 | 0.00 | 0.00 | 6.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 9.00 | | |
| **Carbonaceous Biochemical Oxygen Demand: CBOD** | | | | | | | | | | | | | | | |
| Eff: Avg cBOD5 - Effluent mg/L | 0.00 | 0.00 | 0.00 | 0.00 | < 4.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 4.00 | | < 4.20 | < 4.33 |
| Loading: cBOD5 - Effluent kg/d | 0.000 | 0.000 | 0.000 | 0.000 | < 29.255 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 29.065 | | < 29.08 | < 29.25 |
| **Biochemical Oxygen Demand: BOD5** | | | | | | | | | | | | | | | |
| Raw: Avg BOD5 - Raw mg/L | 46.00 | 141.00 | 41.00 | 28.00 | 56.00 | 72.00 | 126.00 | 163.00 | 218.00 | 307.00 | 47.00 | 63.00 | | 109.00 | 307.00 |
| Raw: # of samples of BOD5 - Raw | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | | |
| **Total Suspended Solids: TSS** | | | | | | | | | | | | | | | |
| Raw: Avg TSS - Raw mg/L | 106.00 | 186.00 | 77.00 | 66.00 | 118.00 | 152.00 | 218.00 | 60.00 | 111.00 | 124.00 | 93.00 | 79.00 | | 115.83 | 218.00 |
| Raw: # of samples of TSS - Raw | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | | |
| Eff: Avg TSS - Effluent mg/L | 0.00 | 0.00 | 0.00 | 0.00 | 5.33 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 4.00 | | 4.80 | 5.33 |
| Eff: # of samples of TSS - Effluent | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 5.00 | | |
| Loading: TSS - Effluent kg/d | 0.000 | 0.000 | 0.000 | 0.000 | 36.006 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 29.065 | | 33.23 | 36.01 |
| Percent Removal: TSS - Raw % | 0.00 | 0.00 | 0.00 | 0.00 | 95.48 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 94.94 | | 95.21 | 95.48 |
| **Total Phosphorus: TP** | | | | | | | | | | | | | | | |
| Raw: Avg TP - Raw mg/L | 0.92 | 1.20 | 0.69 | 0.48 | 1.38 | 1.10 | 1.95 | 2.34 | 2.47 | 2.57 | 1.40 | 1.66 | | 1.51 | 2.57 |
| Raw: # of samples of TP - Raw | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | | |
| Eff: Avg TP - Effluent mg/L | 0.00 | 0.00 | 0.00 | 0.00 | < 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.05 | | < 0.04 | < 0.05 |
| Eff: # of samples of TP - Effluent | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 5.00 | | |
| Loading: TP - Effluent kg/d | 0.000 | 0.000 | 0.000 | 0.000 | < 0.203 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | < 0.363 | | < 0.26 | < 0.36 |
| Percent Removal: TP - Raw % | 0.00 | 0.00 | 0.00 | 0.00 | 97.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 96.99 | | 97.41 | 97.83 |
| **Nitrogen Series** | | | | | | | | | | | | | | | |
| Raw: Avg TKN - Raw mg/L | 7.60 | 15.60 | 6.10 | 4.60 | 11.80 | 7.80 | 20.80 | 24.80 | 23.40 | 31.40 | 14.60 | 19.20 | | 15.64 | 31.40 |
| Raw: # of samples of TKN - Raw | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 1.00 | 12.00 | | |
| Eff: Avg TAN - Effluent mg/L | 0.00 | 0.00 | 0.00 | 0.00 | 4.53 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 1.65 | | 3.38 | 4.53 |
| Eff: # of samples of TAN - Effluent | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 5.00 | | |
| Loading: TAN - Effluent kg/d | 0.000 | 0.000 | 0.000 | 0.000 | 30.605 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 0.000 | 11.989 | | 23.40 | 30.61 |
| Eff: Avg NO3-N - Effluent mg/L | 0.00 | 0.00 | 0.00 | 0.00 | 0.16 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.08 | | 0.12 | 0.16 |
| Eff: Avg NO2-N - Effluent mg/L | 0.00 | 0.00 | 0.00 | 0.00 | < 0.03 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | < 0.03 | | < 0.03 | < 0.03 |
| **Disinfection** | | | | | | | | | | | | | | | |
| Eff: GMD E. Coli MPN - Effluent MPN | 0.00 | 0.00 | 0.00 | 0.00 | 5.83 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 241.16 | | | |
| Eff: # of samples of E. Coli- Effluent | 0.00 | 0.00 | 0.00 | 0.00 | 3.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 0.00 | 2.00 | 5.00 | | |

# APPENDIX II

## Daily Lagoon Discharge Report

Lagoon Discharge Report: Fall December 2025

Facility Works Number: *120002353*
Facility Name: *COBOCONK SEWAGE LAGOONS*
Facility Owner: *Municipality: City of Kawartha Lakes*
Facility Classification: *Class 1 Wastewater Treatment*
Receiver: *Gull River*

Discharge Start: Tuesday, December 16, 2025

Discharge Finish: Thursday, December 18, 2025

| Date | Station | Flow (m3/day) | Carbonaceous Biochemical Oxygen Demand: CBOD5 (mg/L) | Total Suspended Solids: TSS (mg/L) | Total Phosphorus: TP (mg/L) | Total Ammonia Nitrogen: NH3 + NH4+ as N | | pH | Temperature (°C) | Un-ionized Ammonia: NH3 (mg/L) | E. Coli: EC (cfu/100mL) | Hydrogen Sulphide: H2S | | Total Kjeldhal Nitrogen: TKN (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (mg/L) | Daily Loading kg/day | | | | | (mg/L) | Daily Loading kg/day | |
| ***Spring Discharge*** | | | | | | | | | | | | | | |
| 12/16/25 | Effluent | 5,655.1 | < 4 | 2 | 0.07 | 1.9 | 10.7 | 8.0 | 4.3 | 0.022 | 727 | < 0.02 | 0.11 | 2.9 |
| 12/17/25 | Effluent | 8,578.3 | | | | | | | | | | | | |
| 12/18/25 | Effluent | 7,565.4 | < 4 | 6 | < 0.03 | 1.4 | 10.6 | 7.9 | 3.9 | 0.013 | 80 | < 0.02 | 0.15 | 2.6 |
| | *Total* | 21,798.7 | | | | | | | | | | | | |
| | *Average* | 7,266.2 | < 4.0 | 4.0 | 0.05 | 1.7 | | 8.0 | 4.1 | 0.018 | | < 0.02 | | 2.8 |
| | *Average Loading* | | < 29.1 | 29.1 | 0.36 | | | | | | | | 0.15 | |
| | *Limit - Concentration* | | 25.0 | 25.0 | 0.50 | 8.0 | | 6.0-9.5 | | | 241 | 0.1 | | |
| | *Limit - Loading* | | 231.0 | 231.0 | 4.62 | | 74.0 | | | | | | 0.92 | |
| 12/15/25 | South Bridge | | < 4 | 9 | < 0.03 | < 0.1 | | 7.2 | 1.7 | 0.000 | | < 0.02 | | < 0.5 |
| 12/17/25 | South Bridge | | < 4 | < 2 | < 0.03 | < 0.1 | | 7.6 | 1.9 | 0.000 | | < 0.02 | | < 0.5 |
| 12/19/25 | South Bridge | | < 4 | < 2 | < 0.03 | < 0.1 | | 7.6 | 3.4 | 0.000 | | < 0.02 | | < 0.5 |
| 12/15/25 | Victoria St City Boat Launch Dock | | < 4 | 5 | < 0.03 | < 0.1 | | 6.5 | 2.8 | 0.000 | | < 0.02 | | < 0.5 |
| 12/17/25 | Victoria St City Boat Launch Dock | | < 4 | 2 | < 0.03 | < 0.1 | | 7.5 | 1.8 | 0.000 | | < 0.02 | | < 0.5 |
| 12/19/25 | Victoria St City Boat Launch Dock | | < 4 | < 2 | < 0.03 | < 0.1 | | 7.7 | 2.4 | 0.001 | | < 0.02 | | < 0.5 |

Notes: Average Loading of CBOD5, Total Suspended Solids and Total Phosphorus = the Average Concentration mulitiplied by the Average Daily Flow during a specified period of operation
A grab sample shall be collected on the first and last day of an effluent discharge period as well as every three (3) calendar days during the effluent discharge period
Hydrogen Sulphide results reported at laboratory's method detection limit. For the purpose of calculating Hydrogen Sulphide loadings, the laboratory's method detection limit is used. < the method detection limit is indicative of the possible absence of the parameter.

Lagoon Discharge Report: Spring May 2025

Facility Works Number: *120002353*
Facility Name: *COBOCONK SEWAGE LAGOONS*
Facility Owner: *Municipality: City of Kawartha Lakes*
Facility Classification: *Class 1 Wastewater Treatment*
Receiver: *Gull River* Discharge Start: Thursday May 1, 2025 Discharge Finish: Tuesday May 6, 2025

| Date | Station | Flow (m3/day) | Carbonaceous Biochemical Oxygen Demand: CBOD5 (mg/L) | Total Suspended Solids: TSS (mg/L) | Total Phosphorus: TP (mg/L) | Total Ammonia Nitrogen: NH3 + NH4+ as N | | pH | Temperature (°C) | Un-ionized Ammonia: NH3 (mg/L) | E. Coli: EC (cfu/100mL) | Hydrogen Sulphide: H2S | | Total Kjeldhal Nitrogen: TKN (mg/L) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | (mg/L) | Daily Loading kg/day | | | | | (mg/L) | Daily Loading kg/day | |
| ***Spring Discharge*** | | | | | | | | | | | | | | |
| 05/01/25 | Effluent | 5,507.9 | < 4 | 5 | < 0.03 | 4.9 | 27.0 | 8.2 | 14.3 | 0.185 | 33 | < 0.02 | 0.11 | 5.5 |
| 05/02/25 | Effluent | 8,519.7 | | | | | | | | | | | | |
| 05/03/25 | Effluent | 8,528.3 | | | | | | | | | | | | |
| 05/04/25 | Effluent | 8,448.8 | 5 | 7 | < 0.03 | 4.3 | 36.3 | 7.9 | 13.7 | 0.087 | 0 | < 0.02 | 0.17 | 4.9 |
| 05/05/25 | Effluent | 7,419.6 | | | | | | | | | | | | |
| 05/06/25 | Effluent | 2,082.6 | < 4 | 4 | < 0.03 | 4.4 | 9.2 | 7.9 | 15.5 | 0.104 | 6 | < 0.02 | 0.04 | 5.2 |
| | *Total* | 40,506.7 | | | | | | | | | | | | |
| | *Average* | 6,751.1 | < 4.3 | 5.3 | 0.03 | 4.5 | | 8.0 | 14.5 | 0.125 | | < 0.02 | | 5.2 |
| | *Average Loading* | | < 29.3 | 36.0 | 0.20 | | | | | | | | 0.14 | |
| | *Limit - Concentration* | | 25.0 | 25.0 | 0.50 | 8.0 | | 6.0-9.5 | | | 14 | 0.1 | | |
| | *Limit - Loading* | | 231.0 | 231.0 | 4.62 | | 74.0 | | | | | | 0.92 | |
| 04/30/25 | Centre Sluice | | < 4 | < 2 | < 0.03 | < 0.1 | | 7.5 | 8.9 | 0.001 | | < 0.02 | | < 0.5 |
| 05/02/25 | Centre Sluice | | < 4 | 2 | < 0.03 | < 0.1 | | 7.7 | 8.2 | 0.001 | | < 0.02 | | < 0.5 |
| 05/04/25 | Centre Sluice | | < 4 | < 2 | < 0.03 | < 0.1 | | 7.8 | 9.0 | 0.001 | | < 0.02 | | < 0.5 |
| 05/06/25 | Centre Sluice | | < 4 | 2 | < 0.03 | < 0.1 | | 7.6 | 10.2 | 0.001 | | < 0.02 | | < 0.5 |
| 05/07/25 | Centre Sluice | | < 4 | 2 | < 0.03 | < 0.1 | | 7.7 | 10.3 | 0.001 | | < 0.02 | | < 0.5 |
| 04/30/25 | North Bridge | | < 4 | < 2 | < 0.03 | < 0.1 | | 7.5 | 8.9 | 0.000 | | < 0.02 | | < 0.5 |
| 05/02/25 | North Bridge | | < 4 | 2 | < 0.03 | < 0.1 | | 7.4 | 8.7 | 0.000 | | < 0.02 | | < 0.5 |
| 05/04/25 | North Bridge | | 5 | < 2 | < 0.03 | < 0.1 | | 7.8 | 9.1 | 0.001 | | < 0.02 | | < 0.5 |
| 05/06/25 | North Bridge | | < 4 | 4 | < 0.03 | < 0.1 | | 7.6 | 10.2 | 0.001 | | < 0.02 | | < 0.5 |
| 05/07/25 | North Bridge | | < 4 | < 2 | < 0.03 | < 0.1 | | 7.8 | 10.2 | 0.001 | | < 0.02 | | < 0.5 |

Notes: Average Loading of CBOD5, Total Suspended Solids and Total Phosphorus = the Average Concentration mulitiplied by the Average Daily Flow during a specified period of operation.
A grab sample shall be collected on the first and last day of an effluent discharge period as well as every three (3) calendar days during the effluent discharge period.
Hydrogen Sulphide results reported at laboratory's method detection limit. For the purpose of calculating Hydrogen Sulphide loadings, the laboratory's method detection limit is used. < the method detection limit is indicative of the possible absence of the parameter.

# APPENDIX III

## Maintenance Summary

**Coboconk Lagoon 2025 Maintenance Summary**

| Work Order | Description | Location | Asset | Status | Work Type | Classification | Reported Date |
|---|---|---|---|---|---|---|---|
| 2091986 | DEFERRED, 6078, PS 2, Pump Station Rehabilitation | 6078-SPS2-P-SE | | CLIENT | CAP | REFURBISH/REPLACE | 1/1/25 12:00 AM |
| 4151439 | DEFERRED, Engine Diesel Inspection/Service by Contractor (1y) - 6078 - KTN | 6078-SPS3-F-PG-ENGN | 0000168345 | CLOSE | PM | REFURBISH/REPLACE | 1/1/25 12:00 AM |
| 4285467 | Building and Grounds Maintenance (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 1/1/25 1:17 AM |
| 4285469 | Daily Operational Activities (1y) - 6078 - KTN | 6078-WWCO | | COMP | PM | INSPECTION | 1/1/25 1:17 AM |
| 4285474 | Lagoon Inspection (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 1/1/25 1:17 AM |
| 4285486 | Alarm Dialer (1m) - 6078 - KTN | 6078-SPS3-F-IT | 0000295506 | CLOSE | PM | INSPECTION | 1/1/25 1:17 AM |
| 4286525 | Engine Diesel (1m) - 6078 - KTN | 6078-SPS3-F-PG-ENGN | 0000168345 | CLOSE | PM | INSPECTION | 1/1/25 1:34 AM |
| 4306065 | Chemical Feed System Insp (1m) - 6078 - KTN | 6078-SPS3 | | CLOSE | PM | INSPECTION | 1/1/25 8:58 AM |
| 4306940 | Tank Alum Inspection (1m) - 6078 - KTN | 6078-SPS3-P-SE | 0000168358 | CLOSE | PM | REFURBISH/REPLACE | 1/1/25 9:12 AM |
| 4307426 | HS03 H & S Equipment Check (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | HEALTH AND SAFETY | 1/1/25 9:19 AM |
| 4308983 | Water Well Inspection (1m) - 6078 - KTN | 6078-WWCO-F | 0000327416 | CLOSE | PM | INSPECTION | 1/1/25 9:43 AM |
| 4318200 | ESA Inspection By Contractor (1y) # 1 Visit - 6078 - KTN | 6078-WWCO-F | | CLOSE | PM | CALIBRATION | 1/1/25 12:05 PM |
| 4342139 | Building and Grounds Maintenance (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 2/1/25 1:04 AM |
| 4342141 | Lagoon Inspection (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 2/1/25 1:04 AM |
| 4342153 | Alarm Dialer (1m) - 6078 - KTN | 6078-SPS3-F-IT | 0000295506 | CLOSE | PM | INSPECTION | 2/1/25 1:04 AM |
| 4342932 | Engine Diesel (1m) - 6078 - KTN | 6078-SPS3-F-PG-ENGN | 0000168345 | CLOSE | PM | INSPECTION | 2/1/25 1:17 AM |
| 4357728 | Chemical Feed System Insp (1m) - 6078 - KTN | 6078-SPS3 | | CLOSE | PM | INSPECTION | 2/1/25 8:24 AM |
| 4358258 | Tank Alum Inspection (1m) - 6078 - KTN | 6078-SPS3-P-SE | 0000168358 | CLOSE | PM | REFURBISH/REPLACE | 2/1/25 8:35 AM |
| 4358648 | H & S Equipment Check (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | HEALTH AND SAFETY | 2/1/25 8:44 AM |
| 4359736 | Water Well Inspection (1m) - 6078 - KTN | 6078-WWCO-F | 0000327416 | CLOSE | PM | INSPECTION | 2/1/25 9:04 AM |
| 4385526 | Building and Grounds Maintenance (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 3/1/25 12:54 AM |
| 4385528 | Lagoon Inspection (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 3/1/25 12:54 AM |
| 4385540 | Alarm Dialer (1m) - 6078 - KTN | 6078-SPS3-F-IT | 0000295506 | CLOSE | PM | INSPECTION | 3/1/25 12:54 AM |
| 4386311 | Engine Diesel (1m) - 6078 - KTN | 6078-SPS3-F-PG-ENGN | 0000168345 | CLOSE | PM | INSPECTION | 3/1/25 1:05 AM |
| 4386596 | Online Process Equipment Calibration Service by Contractor (1y) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | CALIBRATION | 3/1/25 1:11 AM |
| 4386985 | Tank Wetwell Cleaning/Inspection (6m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | REFURBISH/REPLACE | 3/1/25 1:16 AM |
| 4402338 | Chemical Feed System Insp (1m) - 6078 - KTN | 6078-SPS3 | | CLOSE | PM | INSPECTION | 3/1/25 5:39 AM |
| 4402847 | Tank Alum Inspection (1m) - 6078 - KTN | 6078-SPS3-P-SE | 0000168358 | CLOSE | PM | REFURBISH/REPLACE | 3/1/25 5:48 AM |
| 4403219 | H & S Equipment Check (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | HEALTH AND SAFETY | 3/1/25 5:54 AM |
| 4404270 | Water Well Inspection (1m) - 6078 - KTN | 6078-WWCO-F | 0000327416 | CLOSE | PM | INSPECTION | 3/1/25 6:08 AM |
| 4432253 | Building and Grounds Maintenance (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 4/1/25 1:06 AM |
| 4432255 | Lagoon Inspection (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 4/1/25 1:06 AM |
| 4432267 | Alarm Dialer (1m) - 6078 - KTN | 6078-SPS3-F-IT | 0000295506 | CLOSE | PM | INSPECTION | 4/1/25 1:06 AM |
| 4433094 | Engine Diesel (1m) - 6078 - KTN | 6078-SPS3-F-PG-ENGN | 0000168345 | CLOSE | PM | INSPECTION | 4/1/25 1:18 AM |
| 4434208 | Heat Trace Insp (6m) - 6078 - KTN | 6078-SPS3-F-HV | 0000168362 | CLOSE | PM | INSPECTION | 4/1/25 1:35 AM |
| 4451923 | Chemical Feed System Insp (1m) - 6078 - KTN | 6078-SPS3 | | CLOSE | PM | INSPECTION | 4/1/25 6:47 AM |
| 4452547 | Tank Alum Inspection (1m) - 6078 - KTN | 6078-SPS3-P-SE | 0000168358 | CLOSE | PM | REFURBISH/REPLACE | 4/1/25 6:56 AM |
| 4452970 | H & S Equipment Check (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | HEALTH AND SAFETY | 4/1/25 7:08 AM |
| 4454342 | Water Well Inspection (1m) - 6078 - KTN | 6078-WWCO-F | 0000327416 | CLOSE | PM | INSPECTION | 4/1/25 7:33 AM |
| 4493053 | Building and Grounds Maintenance (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 5/1/25 1:04 AM |
| 4493055 | Lagoon Inspection (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 5/1/25 1:04 AM |
| 4493067 | Alarm Dialer (1m) - 6078 - KTN | 6078-SPS3-F-IT | 0000295506 | CLOSE | PM | INSPECTION | 5/1/25 1:04 AM |
| 4493835 | Engine Diesel (1m) - 6078 - KTN | 6078-SPS3-F-PG-ENGN | 0000168345 | CLOSE | PM | INSPECTION | 5/1/25 1:18 AM |
| 4494146 | Compressor Insp/Service (1y) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | REFURBISH/REPLACE | 5/1/25 1:24 AM |
| 4494158 | HVAC, Fans, Dehumidifiers, Heaters (1y) - 6078 - KTN | 6078-WWCO | | COMP | PM | REFURBISH/REPLACE | 5/1/25 1:25 AM |
| 4494469 | UPS Insp/Service (1y) - 6078 - KTN | 6078-SPS1-F | 0000291297 | CLOSE | PM | INSPECTION | 5/1/25 1:30 AM |
| 4494476 | Pump Cent Insp/Service (1y) - 6078 SPS #3 Domestic Water - KTN | 6078-SPS3-P-SE | 0000192705 | CLOSE | PM | INSPECTION | 5/1/25 1:30 AM |
| 4502387 | Lifting Devices & Fall Arrest Inspection by Contractor (1y) - 6078 - KTN | 6078-WWCO | | CAN | PM | INSPECTION | 5/1/25 4:05 AM |
| 4511688 | Valve Exercising Pump Station Discharge (1y) - 6078 - KTN | 6078-SPS3 | | CLOSE | PM | REFURBISH/REPLACE | 5/1/25 8:19 AM |
| 4511853 | Chemical Feed System Insp (1m) - 6078 - KTN | 6078-SPS3 | | CLOSE | PM | INSPECTION | 5/1/25 8:22 AM |

**Coboconk Lagoon 2025 Maintenance Summary**

| Work Order | Description | Location | Asset | Status | Work Type | Classification | Reported Date |
|---|---|---|---|---|---|---|---|
| 4512444 | Tank Alum Inspection (1m) - 6078 - KTN | 6078-SPS3-P-SE | 0000168358 | CLOSE | PM | REFURBISH/REPLACE | 5/1/25 8:33 AM |
| 4512806 | H & S Equipment Check (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | HEALTH AND SAFETY | 5/1/25 8:40 AM |
| 4513060 | Submersible Sewage Pump Inspection/Maintenance by Contractor (2y) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 5/1/25 8:44 AM |
| 4513935 | Water Well Inspection (1m) - 6078 - KTN | 6078-WWCO-F | 0000327416 | CLOSE | PM | INSPECTION | 5/1/25 9:02 AM |
| 2917077 | DEFERRED, 6078, PS 4 Lagoon, Valve, Repair | 6078-SPS4 | | CLOSE | CORR | REFURBISH/REPLACE | 6/1/25 12:00 AM |
| 3527649 | DEFERRED, 6078, PS 4, Valve from PS4 to South Lagoon, Repair | 6078-SPS4-P | | CLOSE | CORR | REFURBISH/REPLACE | 6/1/25 12:00 AM |
| 3879762 | DEFERRED Submersible Sewage Pump Inspection/Maintenance by OCWA (2y) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | REFURBISH/REPLACE | 6/1/25 12:00 AM |
| 4559664 | Building and Grounds Maintenance (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 6/1/25 12:57 AM |
| 4559666 | Lagoon Inspection (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 6/1/25 12:57 AM |
| 4559678 | Alarm Dialer (1m) - 6078 - KTN | 6078-SPS3-F-IT | 0000295506 | CLOSE | PM | INSPECTION | 6/1/25 12:57 AM |
| 4560509 | Engine Diesel (1m) - 6078 - KTN | 6078-SPS3-F-PG-ENGN | 0000168345 | CLOSE | PM | INSPECTION | 6/1/25 1:08 AM |
| 4579576 | Chemical Feed System Insp (1m) - 6078 - KTN | 6078-SPS3 | | CLOSE | PM | INSPECTION | 6/1/25 7:19 AM |
| 4580241 | Tank Alum Inspection (1m) - 6078 - KTN | 6078-SPS3-P-SE | 0000168358 | CLOSE | PM | REFURBISH/REPLACE | 6/1/25 7:29 AM |
| 4580735 | H & S Equipment Check (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | HEALTH AND SAFETY | 6/1/25 7:37 AM |
| 4581912 | Water Well Inspection (1m) - 6078 - KTN | 6078-WWCO-F | 0000327416 | CLOSE | PM | INSPECTION | 6/1/25 7:53 AM |
| 4623054 | Building and Grounds Maintenance (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 7/1/25 1:15 PM |
| 4623056 | Lagoon Inspection (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 7/1/25 1:15 PM |
| 4623068 | Alarm Dialer (1m) - 6078 - KTN | 6078-SPS3-F-IT | 0000295506 | CLOSE | PM | INSPECTION | 7/1/25 1:15 PM |
| 4623849 | Engine Diesel (1m) - 6078 - KTN | 6078-SPS3-F-PG-ENGN | 0000168345 | CLOSE | PM | INSPECTION | 7/1/25 1:50 PM |
| 4640485 | Chemical Feed System Insp (1m) - 6078 - KTN | 6078-SPS3 | | CLOSE | PM | INSPECTION | 7/2/25 7:36 AM |
| 4641197 | Tank Alum Inspection (1m) - 6078 - KTN | 6078-SPS3-P-SE | 0000168358 | CLOSE | PM | REFURBISH/REPLACE | 7/2/25 8:35 AM |
| 4642847 | H & S Equipment Check (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | HEALTH AND SAFETY | 7/2/25 9:15 AM |
| 4645194 | Water Well Inspection (1m) - 6078 - KTN | 6078-WWCO-F | 0000327416 | CLOSE | PM | INSPECTION | 7/2/25 11:47 AM |
| 4667916 | Building and Grounds Maintenance (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 8/1/25 1:55 AM |
| 4667918 | Lagoon Inspection (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 8/1/25 1:55 AM |
| 4667930 | Alarm Dialer (1m) - 6078 - KTN | 6078-SPS3-F-IT | 0000295506 | CLOSE | PM | INSPECTION | 8/1/25 1:56 AM |
| 4668709 | Engine Diesel (1m) - 6078 - KTN | 6078-SPS3-F-PG-ENGN | 0000168345 | CLOSE | PM | INSPECTION | 8/1/25 2:26 AM |
| 4684164 | Chemical Feed System Insp (1m) - 6078 - KTN | 6078-SPS3 | | CLOSE | PM | INSPECTION | 8/1/25 12:57 PM |
| 4684655 | Tank Alum Inspection (1m) - 6078 - KTN | 6078-SPS3-P-SE | 0000168358 | CLOSE | PM | REFURBISH/REPLACE | 8/1/25 1:15 PM |
| 4685021 | H & S Equipment Check (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | HEALTH AND SAFETY | 8/1/25 1:32 PM |
| 4686084 | Water Well Inspection (1m) - 6078 - KTN | 6078-WWCO-F | 0000327416 | CLOSE | PM | INSPECTION | 8/1/25 2:15 PM |
| 4697196 | Panel Control Pump Service (1y) - 6078 - KTN | 6078-SPS1-F-PD | | CLOSE | PM | REFURBISH/REPLACE | 8/1/25 8:19 PM |
| 4714654 | Building and Grounds Maintenance (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 9/1/25 1:53 AM |
| 4714656 | Lagoon Inspection (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 9/1/25 1:53 AM |
| 4714668 | Alarm Dialer (1m) - 6078 - KTN | 6078-SPS3-F-IT | 0000295506 | CLOSE | PM | INSPECTION | 9/1/25 1:54 AM |
| 4715439 | Engine Diesel (1m) - 6078 - KTN | 6078-SPS3-F-PG-ENGN | 0000168345 | CLOSE | PM | INSPECTION | 9/1/25 2:27 AM |
| 4716206 | HS09 Chemical Review (1y) - 6078 - KTN | 6078-WWCO | | COMP | PM | HEALTH AND SAFETY | 9/1/25 2:52 AM |
| 4716213 | Tank Wetwell Cleaning/Inspection (6m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | REFURBISH/REPLACE | 9/1/25 2:52 AM |
| 4733852 | Chemical Feed System Insp (1m) - 6078 - KTN | 6078-SPS3 | | CLOSE | PM | INSPECTION | 9/1/25 1:57 PM |
| 4734463 | Tank Alum Inspection (1m) - 6078 - KTN | 6078-SPS3-P-SE | 0000168358 | CLOSE | PM | REFURBISH/REPLACE | 9/1/25 2:18 PM |
| 4734938 | H & S Equipment Check (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | HEALTH AND SAFETY | 9/1/25 2:34 PM |
| 4736131 | Water Well Inspection (1m) - 6078 - KTN | 6078-WWCO-F | 0000327416 | CLOSE | PM | INSPECTION | 9/1/25 3:15 PM |
| 4767893 | Building and Grounds Maintenance (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 10/1/25 1:43 AM |
| 4767895 | Lagoon Inspection (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 10/1/25 1:43 AM |
| 4767907 | Alarm Dialer (1m) - 6078 - KTN | 6078-SPS3-F-IT | 0000295506 | COMP | PM | INSPECTION | 10/1/25 1:44 AM |
| 4768680 | Engine Diesel (1m) - 6078 - KTN | 6078-SPS3-F-PG-ENGN | 0000168345 | COMP | PM | INSPECTION | 10/1/25 2:10 AM |
| 4769316 | Engine Diesel Inspection/Service by Contractor (1y) - 6078 - KTN | 6078-SPS3-F-PG-ENGN | 0000168345 | COMP | PM | REFURBISH/REPLACE | 10/1/25 2:26 AM |
| 4769773 | Heat Trace Insp (6m) - 6078 - KTN | 6078-SPS3-F-HV | 0000168362 | COMP | PM | INSPECTION | 10/1/25 2:42 AM |

**Coboconk Lagoon 2025 Maintenance Summary**

| Work Order | Description | Location | Asset | Status | Work Type | Classification | Reported Date |
|---|---|---|---|---|---|---|---|
| 4786396 | Chemical Feed System Insp (1m) - 6078 - KTN | 6078-SPS3 | | CLOSE | PM | INSPECTION | 10/1/25 12:05 PM |
| 4787299 | Tank Alum Inspection (1m) - 6078 - KTN | 6078-SPS3-P-SE | 0000168358 | CLOSE | PM | REFURBISH/REPLACE | 10/1/25 12:33 PM |
| 4787758 | H & S Equipment Check (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | HEALTH AND SAFETY | 10/1/25 12:50 PM |
| 4787855 | Water Well Inspection (1m) - 6078 - KTN | 6078-WWCO-F | 0000327416 | CLOSE | PM | INSPECTION | 10/1/25 12:52 PM |
| 4792049 | Tank Storage Diesel Fuel Inspection by Contractor (10y) - 6078 - KTN | 6078-SPS3-F-PG | 0000192320 | APPR | PM | INSPECTION | 10/1/25 1:56 PM |
| 4816425 | 6078, Coboconk Wastewater Collection, MTO Bridge Work | 6078-WCCO | 0000343804 | CLOSE | CAP | COMPLIANCE | 10/10/25 12:27 PM |
| 4817998 | 6078, PS 4 Lagoon, Compressor Warranty Work and Install | 6078-SPS4-P | | COMP | CORR | REFURBISH/REPLACE | 10/20/25 9:16 AM |
| 4819507 | 6078, Coboconk WWT, Tree Clean-up Coboconk Sites | 6078-WWCO-F | | APPR | CAP | REFURBISH/REPLACE | 10/28/25 8:55 AM |
| 4823330 | Engine Diesel (1m) - 6078 - KTN | 6078-SPS3-F-PG-ENGN | 0000168345 | COMP | PM | INSPECTION | 11/1/25 1:00 AM |
| 4822545 | Building and Grounds Maintenance (1m) - 6078 - KTN | 6078-WWCO | | COMP | PM | INSPECTION | 11/1/25 1:00 AM |
| 4838870 | Tank Alum Inspection (1m) - 6078 - KTN | 6078-SPS3-P-SE | 0000168358 | COMP | PM | REFURBISH/REPLACE | 11/1/25 1:00 AM |
| 4837935 | Chemical Feed System Insp (1m) - 6078 - KTN | 6078-SPS3 | | COMP | PM | INSPECTION | 11/1/25 1:00 AM |
| 4840267 | Water Well Inspection (1m) - 6078 - KTN | 6078-WWCO-F | 0000327416 | COMP | PM | INSPECTION | 11/1/25 1:00 AM |
| 4839209 | H & S Equipment Check (1m) - 6078 - KTN | 6078-WWCO | | COMP | PM | HEALTH AND SAFETY | 11/1/25 1:00 AM |
| 4822547 | Lagoon Inspection (1m) - 6078 - KTN | 6078-WWCO | | CLOSE | PM | INSPECTION | 11/1/25 1:00 AM |
| 4822559 | Alarm Dialer (1m) - 6078 - KTN | 6078-SPS3-F-IT | 0000295506 | COMP | PM | INSPECTION | 11/1/25 1:00 AM |
| 4861496 | 6078, PS 2, Pump 1 Installation | 6078-SPS2-P-SE | 0000277694 | APPR | CORR | REFURBISH/REPLACE | 11/7/25 7:41 AM |
| 4863615 | 6078, Coboconk Wastewater Collection - Operations and Maintenance Manual Annual Review | 6078-WCCO | | COMP | CAP | COMPLIANCE | 11/19/25 7:02 PM |
| 4864483 | 6078, Coboconk WWT, H&S Follow-up WO# 4471018 See Long Description | 6078-WWCO | | APPR | CORR | HEALTH AND SAFETY | 11/25/25 8:16 AM |
| 4884461 | H & S Equipment Check (1m) - 6078 - KTN | 6078-WWCO | | COMP | PM | HEALTH AND SAFETY | 12/1/25 12:00 AM |
| 4883633 | Chemical Feed System Insp (1m) - 6078 - KTN | 6078-SPS3 | | COMP | PM | INSPECTION | 12/1/25 12:00 AM |
| 4867633 | Lagoon Inspection (1m) - 6078 - KTN | 6078-WWCO | | COMP | PM | INSPECTION | 12/1/25 12:00 AM |
| 4867645 | Alarm Dialer (1m) - 6078 - KTN | 6078-SPS3-F-IT | 0000295506 | COMP | PM | INSPECTION | 12/1/25 12:00 AM |
| 4867624 | Building and Grounds Maintenance (1m) - 6078 - KTN | 6078-WWCO | | COMP | PM | INSPECTION | 12/1/25 12:00 AM |
| 4884115 | Tank Alum Inspection (1m) - 6078 - KTN | 6078-SPS3-P-SE | 0000168358 | COMP | PM | REFURBISH/REPLACE | 12/1/25 12:00 AM |
| 4885456 | Water Well Inspection (1m) - 6078 - KTN | 6078-WWCO-F | 0000327416 | COMP | PM | INSPECTION | 12/1/25 12:00 AM |
| 4868453 | Engine Diesel (1m) - 6078 - KTN | 6078-SPS3-F-PG-ENGN | 0000168345 | COMP | PM | INSPECTION | 12/1/25 12:00 AM |
| 4909120 | 6078, PS 2, Pump 1 Rebuild | 6078-SPS2-P-SE | 0000277694 | APPR | CORR | REFURBISH/REPLACE | 12/17/25 10:43 AM |

# APPENDIX IV

## Calibration Report

**Franklin Empire Inc,**
550 Braidwood Ave.
Peterborough ON  K9J 6X6, CANADA

Tel: (705) 745-1626
Fax: (705) 745-3493

# OCWA Kawartha

# 2025 Calibrations Coboconk

# CALIBRATION REPORT

**Report No.:** OCWA K25 12 inch

**Date:** 01-May-25

| | |
|---|---|
| **SITE:** | Coboconk SPS3 Discharge |
| **PROCESS AREA:** | Meter chamber |
| **INSTR. TAG:** | 12 inch |
| **MANUFACTURER:** | Siemens |
| **MODEL:** | FST-020 |
| **SERIAL No.:** | 34253 |
| **OCWA CODE:** | 0000192877 |

| | |
|---|---|
| **SERVICE DATE:** | 01-May-25 |
| **TECHNICIAN:** | M Manley |
| **JOB REFERENCE:** | OCWA K25 |

| **Input** | **(Test)** |
|---|---|
| **Type:** | Flow Comparison |

| **Output** | **(Signal)** | **(Process)** |
|---|---|---|
| **Type or EGU:** | l/s | l/s |
| **Min:** | 0.00 | 0.00 |
| **Max:** | 107.00 | 107.00 |

| | | | **Before Calibration** | | **After Calibration** | |
|---|---|---|---|---|---|---|
| **Input** | **Input %** | **Siemens** | **Display** | **%Error** | **Display** | **%Error** |
| Zero | NA | | | | | |
| | | | | | | |
| Pump | | 89.0 | 88.0 | -0.93% | 88.0 | -0.93% |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

| **Calibration Equipment** | | | |
|---|---|---|---|
| **Type:** | Clamp-On Flow Meter | DMM | |
| **Manufacturer:** | Siemens | Fluke | |
| **Model:** | FUP 1010 | Model 87 | |
| **Serial No.:** | U20781 | 13440128 | |
| **Last Cal. Date:** | | February 11, 2025 | |

**Comments:**
ALC 50 Aer 36
Pipe 13.2"
Wall thickness 0.31"
Ductile Iron
Reflect
Spacing 29 8.652

**AS FOUND:** PASS **AS LEFT:** PASS

**CERTIFIED BY:**

# CALIBRATION REPORT

**Report No.:** OCWA K25 FIT-101

**Date:** 01-May-25

| | |
|---|---|
| **SITE:** | Coboconk SPS3, Raw Water |
| **PROCESS AREA:** | Meter chamber |
| **INSTR. TAG:** | FIT-101 |
| **MANUFACTURER:** | Greyline |
| **MODEL:** | DFM 5.1 |
| **SERIAL No.:** | 72681 |
| **OCWA CODE:** | 0000306043 |

| | |
|---|---|
| **SERVICE DATE:** | 01-May-25 |
| **TECHNICIAN:** | M Manley |
| **JOB REFERENCE:** | OCWA K25 |

| **Input** | **(Test)** |
|---|---|
| **Type:** | Flow Comparison |

| **Output** | **(Signal)** | **(Process)** |
|---|---|---|
| **Type or EGU:** | l/s | l/s |
| **Min:** | 0.00 | 0.00 |
| **Max:** | 50.00 | 50.00 |

| | | | **Before Calibration** | | **After Calibration** | |
|---|---|---|---|---|---|---|
| **Input** | **Input %** | **Siemens** | | **%Error** | **E&H** | **%Error** |
| Process Flow | 37.60% | 18.80 | 19.20 | 0.80% | 19.20 | 0.80% |
| pump off | leaking back | -0.8 l/s | 0.00 | | 0.00 | |
| | | | | | | |
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| | | | | | | |

| **Calibration Equipment** | | | |
|---|---|---|---|
| **Type:** | Clamp-On Flow Meter | DMM | |
| **Manufacturer:** | Siemens | Fluke | |
| **Model:** | FUP 1010 | Model 87 | |
| **Serial No.:** | U20781 | 13440128 | |
| **Last Cal. Date:** | | February 11, 2025 | |

**Comments:** Cal factor not adjusted

**AS FOUND:** PASS **AS LEFT:** PASS

**CERTIFIED BY:**

# APPENDIX V

## Bypasses, Overflows, Spill or Abnormal Events

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

January 06, 2026

| | |
|---|---|
| Aaron Gordon<br>Water Compliance Officer,<br>Peterborough District Office<br>Ministry of the Environment,<br>Conservation and Parks<br>300 Water Street South, 2nd Floor,<br>South Tower<br>Peterborough, ON K9J 3C7 | Brittney Wielgos<br>Water Compliance Supervisor,<br>Peterborough District Office<br>Ministry of the Environment,<br>Conservation and Parks<br>300 Water Street South, 2nd Floor,<br>South Tower<br>Peterborough, ON K9J 3C7 |

Dear Brittney Wielgos and Aaron Gordon:

**Re: Monthly Geometric Mean Density of E. Coli Exceedance – December 2025**

Further to my verbal notification earlier today on January 06, 2026, I am submitting written notification of the exceedance of effluent for the December 2025 monthly Geometric Mean Density of E. Coli as required ECA No. 9527-AHVRDY, issued March 17, 2017 for the Coboconk Sewage Lagoons.

The ECA sets a limit of a monthly Geometric Mean Density of E. Coli to not exceed 200 organisms/100 mL of effluent discharged from the Works; the monthly Geometric Mean Density for E. Coli for December 2025 was 241 mpn/100 mL. The cell contents sample collected ahead of the December 2025 discharge showed E. Coli results below the limit set out in the ECA (64 mpn/100mL).

Due to the duration of the fall discharge (December 16th-December 18th, 2025) there were only two effluent samples to be included in the Geometric Mean Density calculation. One of the sample results was 727 mpn/100mL while the other result was 80 mpn/100mL. Some factors that could have impacted the effluent quality include: having a discharge towards the end of the fall effluent discharge period, during a colder weather year and lowered biological activity due to low temperatures. Where feasible, the timing of the discharge and weather conditions will be taken into account moving forward.

Please do not hesitate to contact me with any questions.

Best regards,

Christine Craig
Process & Compliance Technician
Ontario Clean Water Agency
Kawartha Hub
(705) 731-9579

cc: J. Manning, OCWA – Sr. Operations Manager
L. Nicholson, OCWA - General Manager
K. Lorente, OCWA- Regional Hub Manager
A. McCann, OCWA – Safety, Process & Compliance Mgr.
A. Hayter, City of Kawartha Lakes
A. Gordon, Water Compliance Officer, MECP Peterborough

**Ontario Clean Water Agency**
**Agence Ontarienne Des Eaux**

Kawartha Hub
P.O. Box 279
Bobcaygeon, ON K0M

May 5, 2025

Brad Jackson
Water Supervisor
Peterborough District Office
Ministry of Environment, Conservation and Parks
300 Water Street South, 2nd Floor, South Tower
Peterborough ON K9J 3C7

Dear Brad Jackson:

**Re: Coboconk Sewage Lagoons 2025 Q1 Bypass and Overflow Event Reports**

Amended Environmental Compliance Approval #9527-AHVRDY, Sections 4(5) and 5(5) issued March 17, 2017, require quarterly Bypass and Overflow Event summary reports be submitted to the Water Supervisor, no later than February 15, May 15, August 15, and November 15 each year for Events that occurred during the preceding quarter.

No Bypass or Overflow Events occurred at the Coboconk Sewage Lagoons during the first quarter of 2025 – reports are attached.

Please contact me if you have any questions or comments.

Best regards,

Natalie Lamiot
Process & Compliance Technician
Ontario Clean Water Agency, Kawartha-Trent
(705) 760-5968

Attachments

cc: J. Manning, Sr. Operations Manager, OCWA Kawartha-Trent
A. Hayter, Supervisor Water & Wastewater, CKL
A. McCann, Safety, Process & Compliance Manager, OCWA Kawartha-Trent
L. Nicholson, General Manager, OCWA Kawartha-Trent
K. Lorente, Regional Manager, OCWA Kawartha-Trent
A. Gordon, MECP Inspector – Peterborough District Office

Coboconk Sewage Lagoons - Quarterly Bypass Report

Environmental Compliance Approval #9527-AHVRDY

Year: 2025

Q1 = January, February, March

Did a Bypass occur during this quarter:

Yes☐ No ☑

| **Condition 4. Bypasses** | | **Event** |
|---|---|---|
| 4 (2) | (a) the date(s), time(s) of the beginning of the Bypass(es); | |
| | (b) the treatment process(es) Bypassed and the status of the disinfection; | |
| | (c) the reason(s) for the Bypass(es). | |
| 4 (3) | (a) the duration of the Bypass event; | |
| | (b) the measured or the estimated volume of Bypass(es) for each Event. | |
| 4 (4) | For any Bypass Event, the owner shall collect sample(s) of the Final Effluent, representative of the Event, at the Final Effluent Compliance Sampling Point, and analyze for all effluent parameters outlined in Effluent Limits condition. These samples shall be in addition to the regular samples required in the Monitoring and Recording condition and shall follow the same Protocols specified in the Monitoring and Recording condition. | |
| 4 (5) | The Owner shall submit a summary report of the Bypass Event(s) to the Water Supervisor on a quarterly basis, no later than each of the following dates for each calendar year: February 15, May 15, August 15, and November 15. The summary reports shall be in an electronic format, which shall contain, at a minimum, the types of information set out in Subsections (2), (3) and (4) for Bypass(es). The Water Supervisor may modify the reporting frequency at any time in writing. | No Occurrence of Bypass |

Coboconk Sewage Lagoons - Quarterly Overflow Report

Environmental Compliance Approval #9527-AHVRDY

Year: 2025

Q1 = January, February, March

Did an Overflow occur during this quarter:

Yes☐ No ☑

| **Condition 5. Overflows** | | **Event** |
|---|---|---|
| 5 (2) | (a) the date(s), time(s) of the Overflow(s); | |
| | (b) the location(s) of the Overflow(s) and the receiver; | |
| | (c) the reason(s) for the Overflow(s) - planned or emergency; | |
| | (d) the level of treatment the Overflow(s) has received and disinfection status of same. | |
| 5 (3) | (a) the duration of the Overflow Event; | |
| | (b) the monitored or estimated volume of the Overflow(s); | |
| | (c) the impact of Overflow(s) on the receiver. | |
| 5 (4) | For any Overflow Event, the Owner shall collect samples, representative of the Event, consisting of a minimum of two (2) grab samples of the Overflow, one at the beginning of the Event and one approximately near the end of the Event, and every 4 hours for the duration of the Event, and have them analyzed for effluent parameters outlined in Effluent Limits condition. For raw sewage and primary treatment system Overflow, BOD5 shall be monitored instead of CBOD5. | |
| 5 (5) | The Owner shall submit a summary report of the Overflow(s) Event(s) to the Water Supervisor on a quarterly basis, no later than each of the following dates for each calendar year: February 15, May 15, August 15, and November 15. The summary report shall be in an electronic format, which shall contain, at a minimum; the types of information set out in Subsections (2), (3) and (4) for Overflow(s). The Water Supervisor may modify the reporting frequency at any time in writing. | No Occurrence of Overflow. |

**Ontario Clean Water Agency**
**Agence Ontarienne Des Eaux**

Kawartha Hub
P.O. Box 279
Bobcaygeon, ON K0M

July 21, 2025

Brad Jackson
Water Supervisor
Peterborough District Office
Ministry of Environment, Conservation and Parks
300 Water Street South, 2nd Floor, South Tower
Peterborough ON K9J 3C7

Dear Brad Jackson:

**Re: Coboconk Sewage Lagoons 2025 Q2 Bypass and Overflow Event Reports**

Amended Environmental Compliance Approval #9527-AHVRDY, Sections 4(5) and 5(5) issued March 17, 2017, require quarterly Bypass and Overflow Event summary reports be submitted to the Water Supervisor, no later than February 15, May 15, August 15, and November 15 each year for Events that occurred during the preceding quarter.

No Bypass or Overflow Events occurred at the Coboconk Sewage Lagoons during the second quarter of 2025 – reports are attached.

Please contact me if you have any questions or comments.

Best regards,

Natalie Lamiot
Process & Compliance Technician
Ontario Clean Water Agency, Kawartha-Trent
(705) 760-5968

Attachments

cc: J. Manning, Sr. Operations Manager, OCWA Kawartha-Trent
A. Hayter, Supervisor Water & Wastewater, CKL
A. McCann, Safety, Process & Compliance Manager, OCWA Kawartha-Trent
L. Nicholson, General Manager, OCWA Kawartha-Trent
K. Lorente, Regional Manager, OCWA Kawartha-Trent
A. Gordon, MECP Inspector – Peterborough District Office

Coboconk Sewage Lagoons - Quarterly Bypass Report

Environmental Compliance Approval #9527-AHVRDY

Year: 2025

Q2 = April, May, June

Did a Bypass occur during this quarter:

Yes☐ No ☑

| Condition 4. Bypasses | | Event |
|---|---|---|
| 4 (2) | (a) the date(s), time(s) of the beginning of the Bypass(es); | |
| | (b) the treatment process(es) Bypassed and the status of the disinfection; | |
| | (c) the reason(s) for the Bypass(es). | |
| 4 (3) | (a) the duration of the Bypass event; | |
| | (b) the measured or the estimated volume of Bypass(es) for each Event. | |
| 4 (4) | For any Bypass Event, the owner shall collect sample(s) of the Final Effluent, representative of the Event, at the Final Effluent Compliance Sampling Point, and analyze for all effluent parameters outlined in Effluent Limits condition. These samples shall be in addition to the regular samples required in the Monitoring and Recording condition and shall follow the same Protocols specified in the Monitoring and Recording condition. | |
| 4 (5) | The Owner shall submit a summary report of the Bypass Event(s) to the Water Supervisor on a quarterly basis, no later than each of the following dates for each calendar year: February 15, May 15, August 15, and November 15. The summary reports shall be in an electronic format, which shall contain, at a minimum, the types of information set out in Subsections (2), (3) and (4) for Bypass(es). The Water Supervisor may modify the reporting frequency at any time in writing. | No Occurrence of Bypass |

Coboconk Sewage Lagoons - Quarterly Overflow Report

Environmental Compliance Approval #9527-AHVRDY

Year: 2025

Q2 = April, May, June

Did an Overflow occur during this quarter:

Yes☐ No ☑

| Condition 5. Overflows | | Event |
|---|---|---|
| 5 (2) | (a) the date(s), time(s) of the Overflow(s); | |
| | (b) the location(s) of the Overflow(s) and the receiver; | |
| | (c) the reason(s) for the Overflow(s) - planned or emergency; | |
| | (d) the level of treatment the Overflow(s) has received and disinfection status of same. | |
| 5 (3) | (a) the duration of the Overflow Event; | |
| | (b) the monitored or estimated volume of the Overflow(s); | |
| | (c) the impact of Overflow(s) on the receiver. | |
| 5 (4) | For any Overflow Event, the Owner shall collect samples, representative of the Event, consisting of a minimum of two (2) grab samples of the Overflow, one at the beginning of the Event and one approximately near the end of the Event, and every 4 hours for the duration of the Event, and have them analyzed for effluent parameters outlined in Effluent Limits condition. For raw sewage and primary treatment system Overflow, BOD5 shall be monitored instead of CBOD5. | |
| 5 (5) | The Owner shall submit a summary report of the Overflow(s) Event(s) to the Water Supervisor on a quarterly basis, no later than each of the following dates for each calendar year: February 15, May 15, August 15, and November 15. The summary report shall be in an electronic format, which shall contain, at a minimum; the types of information set out in Subsections (2), (3) and (4) for Overflow(s). The Water Supervisor may modify the reporting frequency at any time in writing. | No Occurrence of Overflow. |

**Ontario Clean Water Agency**
**Agence Ontarienne Des Eaux**

Kawartha Hub
P.O. Box 279
Bobcaygeon, ON K0M

October 27, 2025

Brad Jackson
Water Supervisor
Peterborough District Office
Ministry of Environment, Conservation and Parks
300 Water Street South, 2nd Floor, South Tower
Peterborough ON K9J 3C7

Dear Brad Jackson:

**Re: Coboconk Sewage Lagoons 2025 Q3 Bypass and Overflow Event Reports**

Amended Environmental Compliance Approval #9527-AHVRDY, Sections 4(5) and 5(5) issued March 17, 2017, require quarterly Bypass and Overflow Event summary reports be submitted to the Water Supervisor, no later than February 15, May 15, August 15, and November 15 each year for Events that occurred during the preceding quarter.

No Bypass or Overflow Events occurred at the Coboconk Sewage Lagoons during the third quarter of 2025 – reports are attached.

Please contact me if you have any questions or comments.

Best regards,

Natalie Lamiot
Process & Compliance Technician
Ontario Clean Water Agency, Kawartha-Trent
(705) 760-5968

Attachments

cc: J. Manning, Sr. Operations Manager, OCWA Kawartha-Trent
A. Hayter, Supervisor Water & Wastewater, CKL
A. McCann, Safety, Process & Compliance Manager, OCWA Kawartha-Trent
L. Nicholson, General Manager, OCWA Kawartha-Trent
K. Lorente, Regional Manager, OCWA Kawartha-Trent
A. Gordon, MECP Inspector – Peterborough District Office

Coboconk Sewage Lagoons - Quarterly Bypass Report

Environmental Compliance Approval #9527-AHVRDY

Year: 2025

Q3 = July, August, September

Did a Bypass occur during this quarter:

Yes☐ No ☑

| Condition 4. Bypasses | | Event |
|---|---|---|
| 4 (2) | (a) the date(s), time(s) of the beginning of the Bypass(es); | |
| | (b) the treatment process(es) Bypassed and the status of the disinfection; | |
| | (c) the reason(s) for the Bypass(es). | |
| 4 (3) | (a) the duration of the Bypass event; | |
| | (b) the measured or the estimated volume of Bypass(es) for each Event. | |
| 4 (4) | For any Bypass Event, the owner shall collect sample(s) of the Final Effluent, representative of the Event, at the Final Effluent Compliance Sampling Point, and analyze for all effluent parameters outlined in Effluent Limits condition. These samples shall be in addition to the regular samples required in the Monitoring and Recording condition and shall follow the same Protocols specified in the Monitoring and Recording condition. | |
| 4 (5) | The Owner shall submit a summary report of the Bypass Event(s) to the Water Supervisor on a quarterly basis, no later than each of the following dates for each calendar year: February 15, May 15, August 15, and November 15. The summary reports shall be in an electronic format, which shall contain, at a minimum, the types of information set out in Subsections (2), (3) and (4) for Bypass(es). The Water Supervisor may modify the reporting frequency at any time in writing. | No Occurrence of Bypass |

Coboconk Sewage Lagoons - Quarterly Overflow Report

Environmental Compliance Approval #9527-AHVRDY

Year: 2025

Q3 = July, August, September

Did an Overflow occur during this quarter:

Yes☐ No ☑

| Condition 5. Overflows | | Event |
|---|---|---|
| 5 (2) | (a) the date(s), time(s) of the Overflow(s); | |
| | (b) the location(s) of the Overflow(s) and the receiver; | |
| | (c) the reason(s) for the Overflow(s) - planned or emergency; | |
| | (d) the level of treatment the Overflow(s) has received and disinfection status of same. | |
| 5 (3) | (a) the duration of the Overflow Event; | |
| | (b) the monitored or estimated volume of the Overflow(s); | |
| | (c) the impact of Overflow(s) on the receiver. | |
| 5 (4) | For any Overflow Event, the Owner shall collect samples, representative of the Event, consisting of a minimum of two (2) grab samples of the Overflow, one at the beginning of the Event and one approximately near the end of the Event, and every 4 hours for the duration of the Event, and have them analyzed for effluent parameters outlined in Effluent Limits condition. For raw sewage and primary treatment system Overflow, BOD5 shall be monitored instead of CBOD5. | |
| 5 (5) | The Owner shall submit a summary report of the Overflow(s) Event(s) to the Water Supervisor on a quarterly basis, no later than each of the following dates for each calendar year: February 15, May 15, August 15, and November 15. The summary report shall be in an electronic format, which shall contain, at a minimum; the types of information set out in Subsections (2), (3) and (4) for Overflow(s). The Water Supervisor may modify the reporting frequency at any time in writing. | No Occurrence of Overflow. |

**Ontario Clean Water Agency**
**Agence Ontarienne Des Eaux**

Kawartha Hub
P.O. Box 279
Bobcaygeon, ON K0M

January 29, 2026

Brittney Wielgos
Water Supervisor
Peterborough District Office
Ministry of Environment, Conservation and Parks
300 Water Street South, 2nd Floor, South Tower
Peterborough ON K9J 3C7

Dear Brittney Wielgos:

**Re: Coboconk Sewage Lagoons 2025 Q4 Bypass and Overflow Event Reports**

Amended Environmental Compliance Approval #9527-AHVRDY, Sections 4(5) and 5(5) issued March 17, 2017, require quarterly Bypass and Overflow Event summary reports be submitted to the Water Supervisor, no later than February 15, May 15, August 15, and November 15 each year for Events that occurred during the preceding quarter.

No Bypass or Overflow Events occurred at the Coboconk Sewage Lagoons during the fourth quarter of 2025 – reports are attached.

Please contact me if you have any questions or comments.

Best regards,

Christine Craig
Process & Compliance Technician
Ontario Clean Water Agency
(705) 731-9579

Attachments

cc: J. Manning, Sr. Operations Manager, OCWA Kawartha-Trent
A. Hayter, Supervisor Water & Wastewater, CKL
A. McCann, Safety, Process & Compliance Manager, OCWA Kawartha-Trent
L. Nicholson, General Manager, OCWA Kawartha-Trent
K. Lorente, Regional Manager, OCWA Kawartha-Trent
A. Gordon, MECP Inspector – Peterborough District Office

Coboconk Sewage Lagoons - Quarterly Bypass Report

Environmental Compliance Approval #9527-AHVRDY

Year: 2025

Q4 = October, November, December

Did a Bypass occur during this quarter:

Yes☐ No ☑

| **Condition 4. Bypasses** | | **Event** |
|---|---|---|
| 4 (2) | (a) the date(s), time(s) of the beginning of the Bypass(es); | |
| | (b) the treatment process(es) Bypassed and the status of the disinfection; | |
| | (c) the reason(s) for the Bypass(es). | |
| 4 (3) | (a) the duration of the Bypass event; | |
| | (b) the measured or the estimated volume of Bypass(es) for each Event. | |
| 4 (4) | For any Bypass Event, the owner shall collect sample(s) of the Final Effluent, representative of the Event, at the Final Effluent Compliance Sampling Point, and analyze for all effluent parameters outlined in Effluent Limits condition. These samples shall be in addition to the regular samples required in the Monitoring and Recording condition and shall follow the same Protocols specified in the Monitoring and Recording condition. | |
| 4 (5) | The Owner shall submit a summary report of the Bypass Event(s) to the Water Supervisor on a quarterly basis, no later than each of the following dates for each calendar year: February 15, May 15, August 15, and November 15. The summary reports shall be in an electronic format, which shall contain, at a minimum, the types of information set out in Subsections (2), (3) and (4) for Bypass(es). The Water Supervisor may modify the reporting frequency at any time in writing. | No Occurrence of Bypass |

Coboconk Sewage Lagoons - Quarterly Overflow Report

Environmental Compliance Approval #9527-AHVRDY

Year: 2025

Q4 = October, November, December

Did an Overflow occur during this quarter:

Yes☐ No ☑

| **Condition 5. Overflows** | | **Event** |
|---|---|---|
| 5 (2) | (a) the date(s), time(s) of the Overflow(s); | |
| | (b) the location(s) of the Overflow(s) and the receiver; | |
| | (c) the reason(s) for the Overflow(s) - planned or emergency; | |
| | (d) the level of treatment the Overflow(s) has received and disinfection status of same. | |
| 5 (3) | (a) the duration of the Overflow Event; | |
| | (b) the monitored or estimated volume of the Overflow(s); | |
| | (c) the impact of Overflow(s) on the receiver. | |
| 5 (4) | For any Overflow Event, the Owner shall collect samples, representative of the Event, consisting of a minimum of two (2) grab samples of the Overflow, one at the beginning of the Event and one approximately near the end of the Event, and every 4 hours for the duration of the Event, and have them analyzed for effluent parameters outlined in Effluent Limits condition. For raw sewage and primary treatment system Overflow, BOD5 shall be monitored instead of CBOD5. | |
| 5 (5) | The Owner shall submit a summary report of the Overflow(s) Event(s) to the Water Supervisor on a quarterly basis, no later than each of the following dates for each calendar year: February 15, May 15, August 15, and November 15. The summary report shall be in an electronic format, which shall contain, at a minimum; the types of information set out in Subsections (2), (3) and (4) for Overflow(s). The Water Supervisor may modify the reporting frequency at any time in writing. | No Occurrence of Overflow. |