



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

March 20, 2026

Pierre Adrien
Ministry of the Environment, Conservation and Parks
733 Exeter Road
London, ON N6E 1L3

Attention: Mr. Adrien

RE: West Lorne Water Pollution Control Plant Annual Report 2025

The Ontario Clean Water Agency is the Operating Authority for the West Lorne Water Pollution Control Plant on behalf of the Municipality of West Elgin. The system is operated under Environmental Compliance Approval 5873-B4RLEJ. Please find attached the 2025 Annual Report for the West Lorne Water Pollution Control Plant.

Feel free to contact me should you require any additional information regarding the report. I can be reached at 519-274-5695.

Sincerely,

A handwritten signature in black ink, appearing to read 'H Wharram'.

Heather Wharram
Process and Compliance Technician
Midwest Region
Ontario Clean Water Agency

c.c. Robin Greenall, Municipality of West Elgin
Terri Towstiuc, Municipality of West Elgin
David Charron, Municipality of West Elgin
Sam Smith, OCWA Regional Hub Manager
Joe Daly, OCWA Senior Operations Manager
Maegan Garber, OCWA Safety, Process and Compliance Manager

**MUNICIPALITY OF WEST ELGIN
WEST LORNE WASTEWATER TREATMENT PLANT**

**2025 ANNUAL REPORT
January 1 to December 31, 2025**

Environmental Compliance Approval # 5873-B4RLEJ

Prepared by:



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

Table of Contents

Section 1: Overview	1
Section 2: Influent Monitoring Data	2
Section 3: Effluent Monitoring Data	5
Section 4: Monitoring Schedule	15
Section 5: Operating Issues and Corrective Actions	15
Section 6: Maintenance	15
Section 7: Effluent Quality Assurance	16
Section 8: Calibration and Maintenance	16
Section 9: Design Objectives	16
Section 10: Sludge Generation	16
Section 11: Community Complaints	17
Section 12: Bypasses, Overflow, Spills, and Other Situations Outside Normal Operating Conditions.....	17
Section 13: Modifications to Sewage Works	17
Section 14: Efforts made to Achieve Conformance with Procedure F-5-1	17
Section 15: Schedule for the Completion of Construction	17
Section 16: Summary.....	17

Appendix A:	Analytical Data
Appendix B:	Monitoring Schedule
Appendix C:	Flow Meter Verification
Appendix D:	Work Order Schedule

Section 1: Overview

Overall, the West Lorne Water Pollution Control Plant (WPCP) provided effective wastewater treatment in 2025. The WPCP was operated under Environmental Compliance Approval (ECA) 5873-B4RLEJ dated November 30, 2018. Upgrades to the plant were completed in December, 2019.

Collection System

The collection system contains gravity sewers that lead to the Main Pumping Station located on Marsh Line. The Main Pumping Stations contains a wet well with three submersible pumps that pump to the treatment plant. There is a receptacle for a portable generator should the need arise for backup power. In emergencies, the wet well contains an overflow pipe that discharges to the West Lorne Lagoon.

Plant Description

The West Lorne WPCP is an extended aeration facility which consists of: grit removal and screening, extended aeration, settling, phosphorus removal, filtration and UV disinfection (seasonal). The extended aeration process is designed to remove carbonaceous and nitrogenous organic compounds (BOD). Aluminum Sulfate is used for phosphorus removal. After the clarifier the effluent is seasonally disinfected using ultraviolet light, then discharged to Zoller Drain. Zoller Drain is connected to Brock's Creek that flows into Lake Erie. Sludge is directed to the lagoon for storage and settling. Decant liquid off of the lagoon is returned to the influent of the plant for treatment.

Process Details

- Wastewater is directed into the sewage lift station from the Village of West Lorne by gravity. Wastewater is then pumped from the sewage lift station located on Marsh Line into a reinforced concrete inlet channel, provided with a mechanical rake bar screen.
- The secondary treatment system consists of two trains each consisting of: aeration tank, clarifier tank, and two return activated sludge pumps.
- The phosphorous removal system consists of one 15,000 L plastic tank with two diaphragm type metering pumps (one duty and two standby).
- Lime system for pH and alkalinity control (currently not in use).
- The objective of the system is to remove organics, Total Kjeldahl Nitrogen (TKN), Phosphorous and Total Ammonia Nitrogen.
- Three rotary lobe blowers (one duty and two standby) supply low pressure air to the aeration tanks.
- The tertiary treatment system consists of three continuous back wash, up flow, deep bed, granular single media sand filtration units housed in the filter building.
- The disinfection system consists of a ultra-violet (UV) unit through which the effluent is discharged.
- Operations are controlled by a programmable logic controller (PLC). A data logging computer system with local monitoring capability is used to monitor, trend, and record select process parameters.

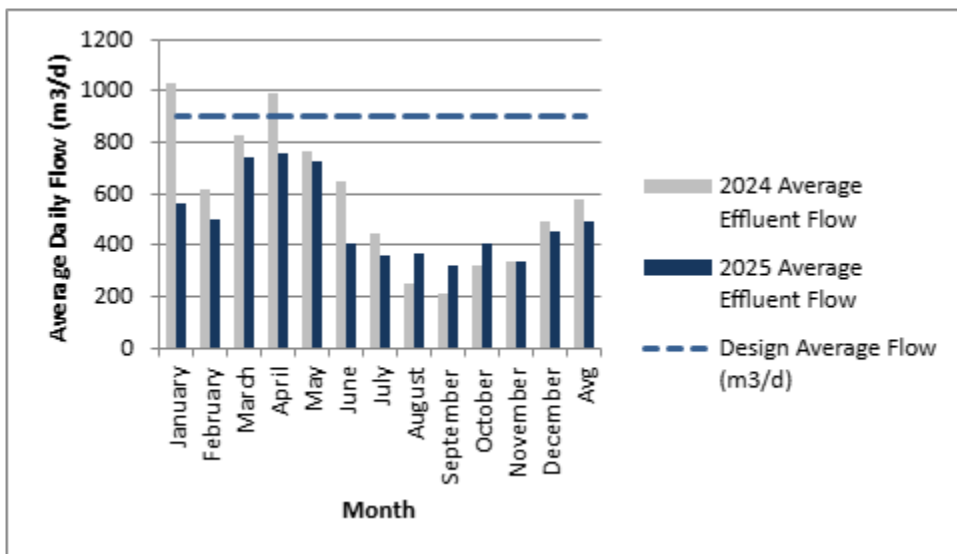
- Laboratory space is also located at the WPCP to allow for basic laboratory analyses to be conducted by the plant operator.

Section 2: Influent Monitoring Data

Flows

In 2025, the average daily raw flow sent to the water pollution control plant was 491.4 m³/d. This is a 19% reduction compared to the average daily flow from 2024 which was 605.8 m³/d. This reduction is attributed to the drier conditions during the 2025 reporting year. The plant is currently operating at 55% of its rated capacity of 900 m³/d, as defined in the facility’s Environmental Compliance Approval NUMBER 5873-B4RLEJ. The rated capacity is calculated based on the definition of the ECA, which is defined as the annual average daily influent flow for which the sewage treatment plant is designed to handle. Figure 1 outlines the average daily raw flows in 2024 compared to those of 2025 against the rated capacity of the plant. Detailed monthly flow information and flow totals are summarized in Appendix A.

Figure 1: Average Daily Influent Flow, 2024 compared to 2025 against design average



Sample Collection and Testing

All samples are collected and tested as per the requirements of the Environmental Compliance Approval.

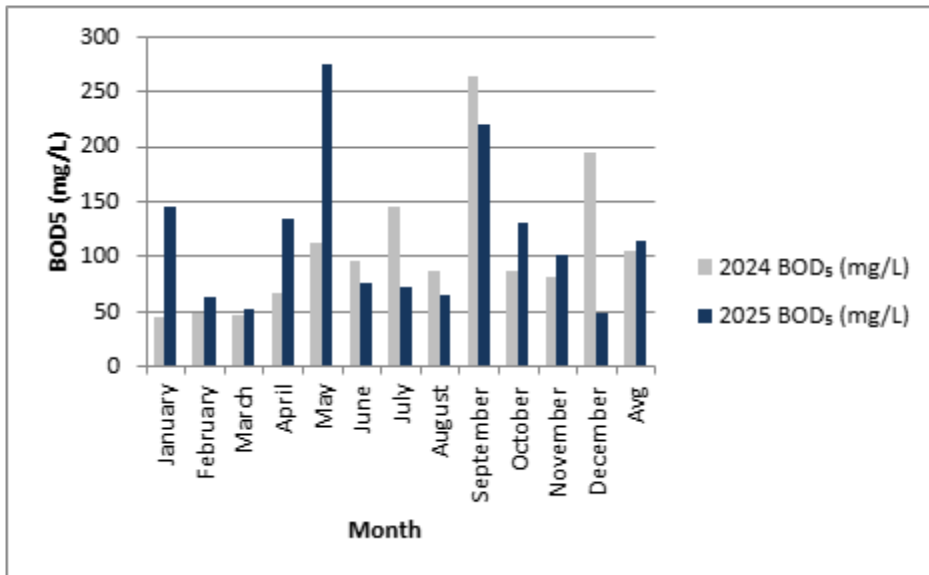
Raw sewage (influent) is sampled bi-weekly and tested for Biochemical Oxygen Demand (BOD₅), Total Suspended Solids (TSS), Total Phosphorus (TP), Total Kjeldahl Nitrogen (TKN), and alkalinity. The raw samples are collected as 24-hour composite samples.

Raw Sewage Quality

In 2025, all raw influent parameters except alkalinity showed higher concentrations than in 2024, with increases occurring in January, February, April, May, June, and October. These months commonly align with seasonal conditions such as freeze–thaw cycles, snowmelt, and periods of rainfall, which can raise inflow and infiltration and carry additional organic material, nutrients, and suspended solids into the collection system. Normal year-to-year variability in these seasonal factors could reasonably contribute to the higher influent concentrations observed in 2025.

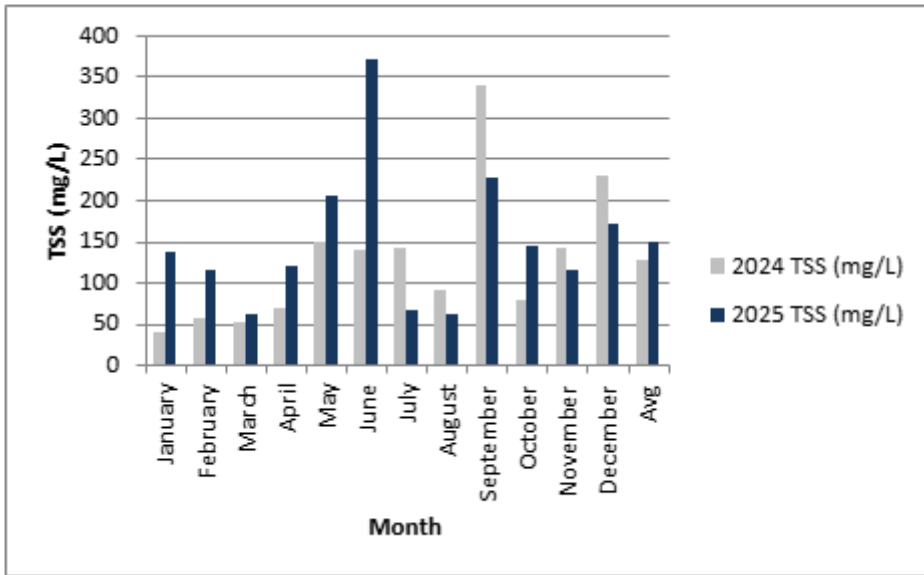
The annual average raw sewage BOD₅ concentration to the plant in 2025 was 113.52 mg/L with a maximum average monthly concentration of 220 mg/L. The average concentration of BOD₅ has increased 8% from 2024 (refer to Figure 2). Refer to Appendix A for detailed analytical data.

Figure 2: Monthly Average Raw BOD₅ Concentrations 2024 to 2025



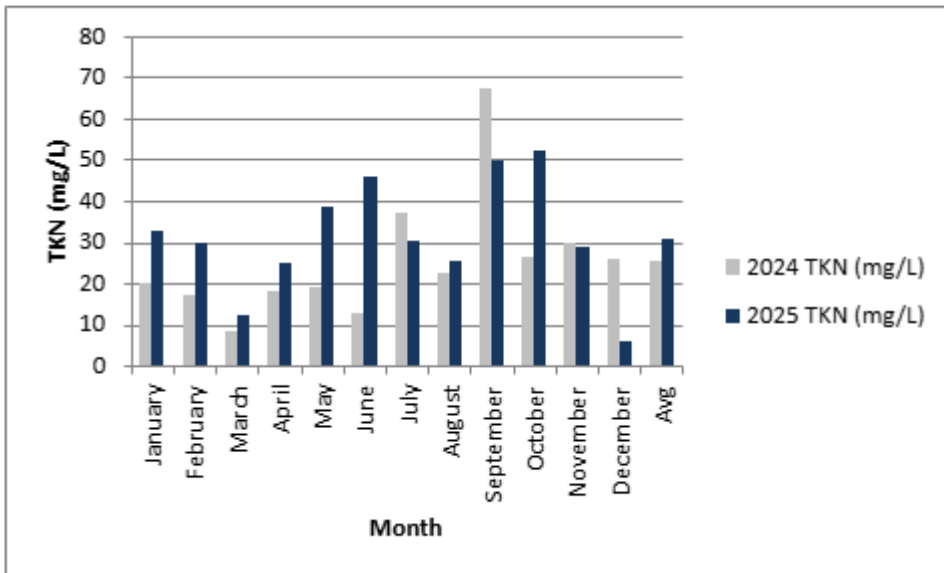
The annual average raw sewage TSS concentration to the plant in 2025 was 148.96 mg/L, with a maximum average monthly concentration of 371 mg/L. The average concentration of TSS has increased 17% from 2024 (refer to Figure 3). Refer to Appendix A for detailed analytical data.

Figure 3: Monthly Average Raw TSS Concentrations 2024 to 2025



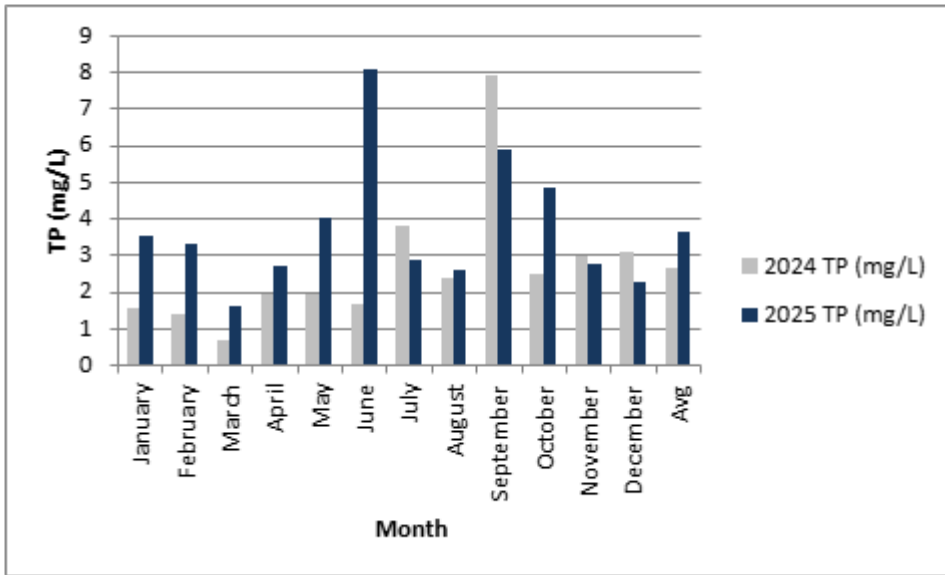
The annual average raw sewage nitrogen concentration (as represented by TKN) to the plant in 2025 was 30.88 mg/L with a maximum average monthly concentration of 52.03 mg/L. The average concentration of TKN has increased 22% from 2024 (refer to Figure 4). Refer to Appendix A for detailed analytical data.

Figure 4: Monthly Average Raw TKN Concentrations 2024 to 2025



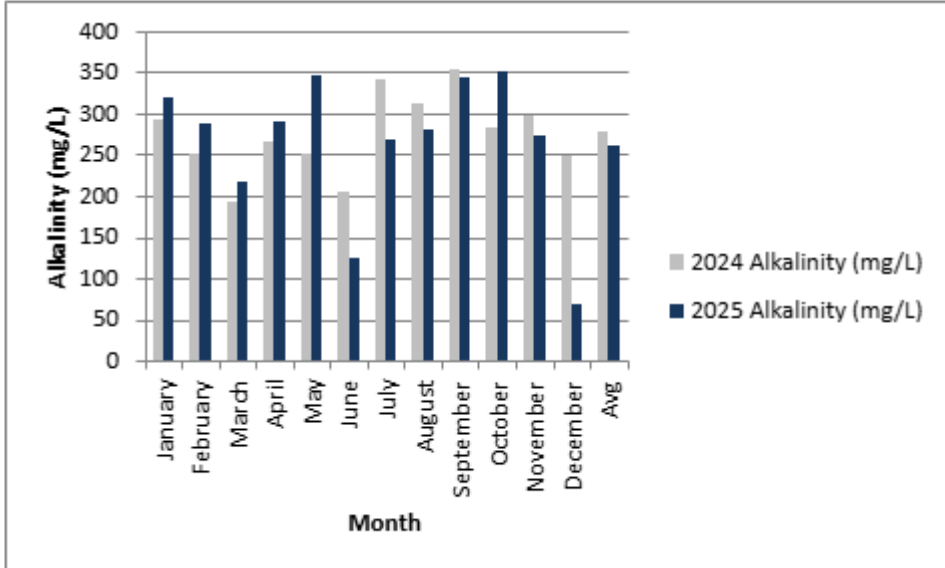
The annual average raw sewage total phosphorus (TP) to the plant in 2024 was 3.64mg/L with a maximum average monthly concentration of 2.64 mg/L. The average concentration of TP has increased 38% from 2025 (refer to Figure 5). Refer to Appendix A for detailed analytical data.

Figure 5: Monthly Average Raw TP Concentrations 2024 to 2025



The annual average raw sewage alkalinity to the plant in 2025 was 261 mg/L with a maximum average monthly concentration of 274 mg/L. The annual average alkalinity has decreased 6% from 2024 (refer to Figure 6). Refer to Appendix A for detailed analytical data.

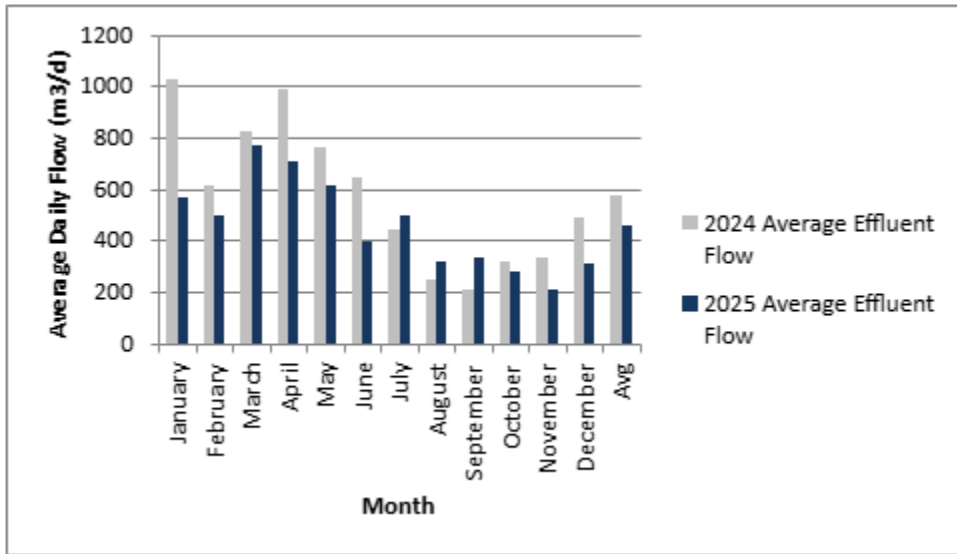
Figure 6: Monthly Average Raw Alkalinity 2024 to 2025



Section 3: Effluent Monitoring Data

In 2025, a total of 167,094 m³ of effluent was treated which represents a 21% decrease from 2024. This reduction aligns with the 19% decrease in inflow observed in 2025. The average daily effluent flow was 459.05 m³/d compared to 574.54 m³/d in 2024 (refer to Figure 7). Detailed monthly flow and flow total information is summarized in Appendix A.

Figure 7: Average Daily Effluent Flow, 2024 compared to 2025



Sample Collection and Testing

Final effluent is sampled bi-weekly and tested for Carbonaceous Biochemical Oxygen Demand (cBOD₅), Total Suspended Solids (TSS), Total Phosphorus (TP), Total Ammonia Nitrogen (TAN), Total Kjeldahl Nitrogen (TKN), Nitrite (NO₂), Nitrate (NO₃), Unionized Ammonia, and alkalinity. Samples are collected using an automatic composite sampler and collected over a 24-hour period. A grab sample is collected at a minimum bi-weekly and tested for pH, temperature and dissolved oxygen. A grab sample is also collected bi-weekly and tested for E. coli during the disinfection period, which as stated in the ECA is between April 15 and October 15, inclusive.

In-house tests are conducted on a weekly basis on the final effluent, raw influent and the mixed liquor suspended solids at the plant to monitor plant performance and to make any operational adjustments, as required.

In 2025, all chemical and microbiological sample analyses were conducted by SGS Lakefield and SGS London. Temperature, pH and dissolved oxygen were conducted by operators at the treatment plant.

Effluent Limits and Objectives

Detailed analytical data is attached to this report as Appendix A. Table 1 provides a summary of monthly average effluent result ranges and loading ranges compared to the compliance limits in the ECA. All ECA monthly average effluent limits and monthly average loading limits were met in 2025.

Table 1: Monthly Average Effluent Results and Loadings compared to ECA Limits

Parameter	Monthly Average Effluent Limit (mg/L)	Monthly Average Effluent Result Ranges (mg/L)	Average Monthly Loading Limit (kg/d)	Monthly Average Loading Ranges (kg/d)
cBOD ₅	10	<2 – 3.5	9	0.48 – 2.16
Total Suspended Solids	10	2 - 9	9	0.67 – 3.56
Total Phosphorus	0.5	0.05 – 0.31	0.45	0.02 – 0.12
Total (Ammonia + Ammonium) Nitrogen	3(a)	<0.1 – 0.6	2.7(a)	0.04 – 0.42
	5(b)	<0.1 – 0.27	4.5(b)	0.03 – 0.06
E. coli* (geomean)	200	1.0 – 49.19		

NOTE: (a) limit applies during the non-freezing period May 1 to November 30
 (b) limit applies during the freezing period December 1 to April 30
 *E. coli is calculated in mpn/100mL

Table 2 represents the monthly average effluent result ranges and the monthly average loading ranges compared to the monthly average objectives outlined in the ECA. In 2025, concentrations of TSS exceeded the monthly average ECA objective in February, May, June and December. As well, minimum dissolved oxygen concentration objectives were not met in August. See ‘Discussion on Monitoring Data as Compared to Effluent Limits and Objectives’ for details.

Table 2: Monthly Average Effluent Results and Loadings compared to ECA Objectives

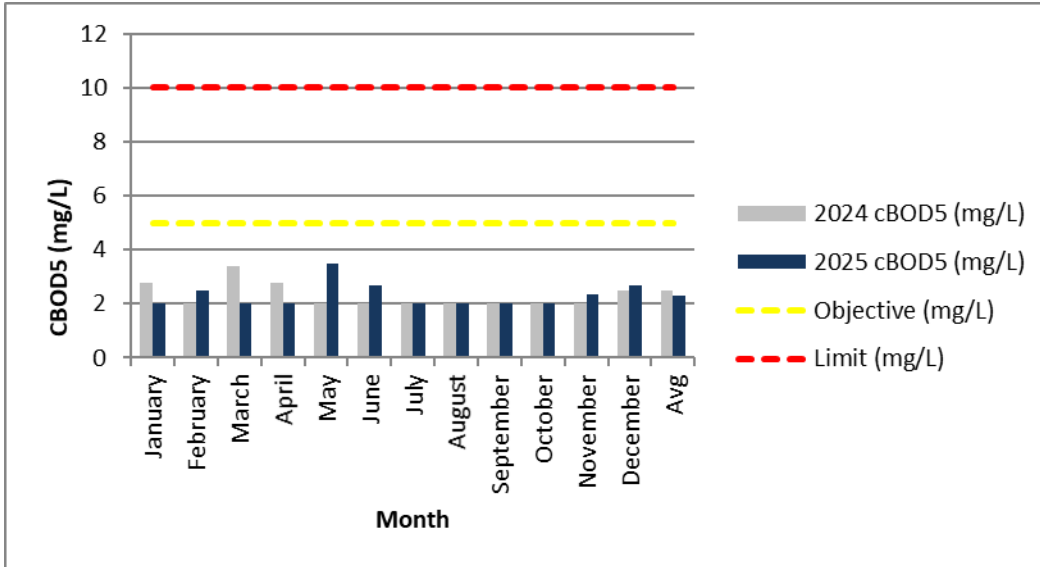
Parameter	Effluent Objective (mg/L)	Monthly Average Effluent Ranges (mg/L)	Monthly Loading Objective (kg/day)	Monthly Average Loading Ranges (kg/d)
CBOD ₅	5	<2 – 3.5	4.5	0.48 – 2.16
Total Suspended Solids	5	2 - 9	4.5	0.67 – 3.56
Total Phosphorus	0.3	0.05 – 0.31	0.27	0.02 – 0.12
Total (Ammonia + Ammonium) Nitrogen	2(a)	<0.1 – 0.6	1.8(a)	0.04 – 0.42
	4(b)	<0.1 – 0.27	3.6(b)	0.03 – 0.06
E. coli *	150	1.0 – 49.19		
Dissolved Oxygen* *	5	3.91 – 7.22		

Note: (a) objective applies during the non-freezing period May 1 to November 30
 (b) objective applies during the freezing period December 1 to April 30
 *E. coli is calculated in mpn/100mL
 **Dissolved Oxygen objective is expressed as a minimum, where all other parameters are expressed as averages.

Discussion on Monitoring Data as Compared to the Effluent Limits and Objectives

The annual average effluent concentration for Carbonaceous Biochemical Oxygen Demand (cBOD₅) in 2025 was 2.3 mg/L, which is a decrease of 8% from the annual average concentration in 2024 (refer to Figure 8). The annual average loading of cBOD₅ was 1.43 kg/d. All objectives and limits for cBOD₅ were met in 2025.

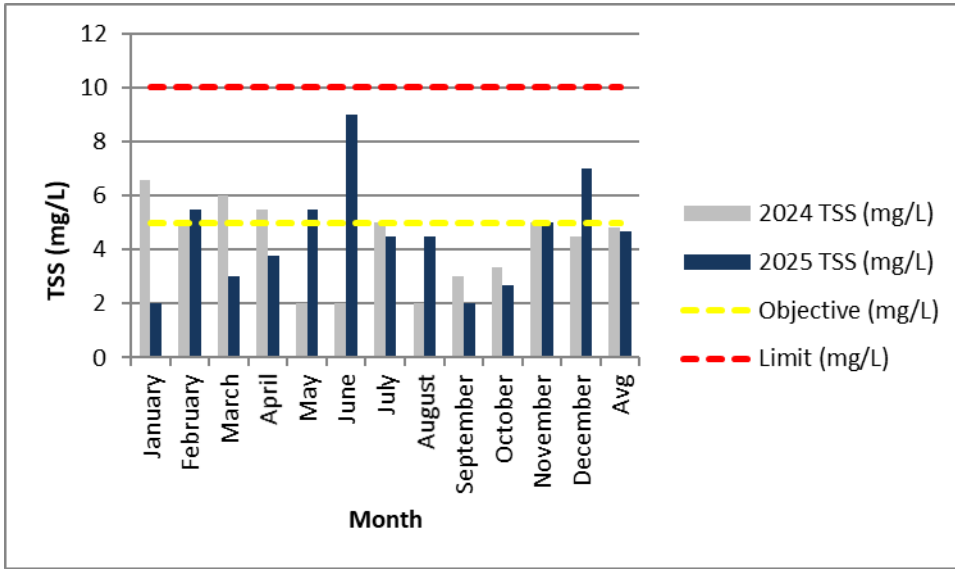
Figure 8: Monthly Average Effluent cBOD₅ Concentrations, 2024 to 2025 against ECA Limit and Objective



The annual average effluent concentration for Total Suspended Solids (TSS) in 2025 was 4.7 mg/L, which is a 3% decrease from the annual average concentration in 2024 (refer to Figure 9). The annual average loading of TSS in 2025 was 2.14 kg/d. Effluent limits, including loading limits, identified in the ECA were met throughout 2025. However, monthly average concentrations of TSS exceeded the ECA objective in February, May, June and December. The monthly loading objective was not exceeded.

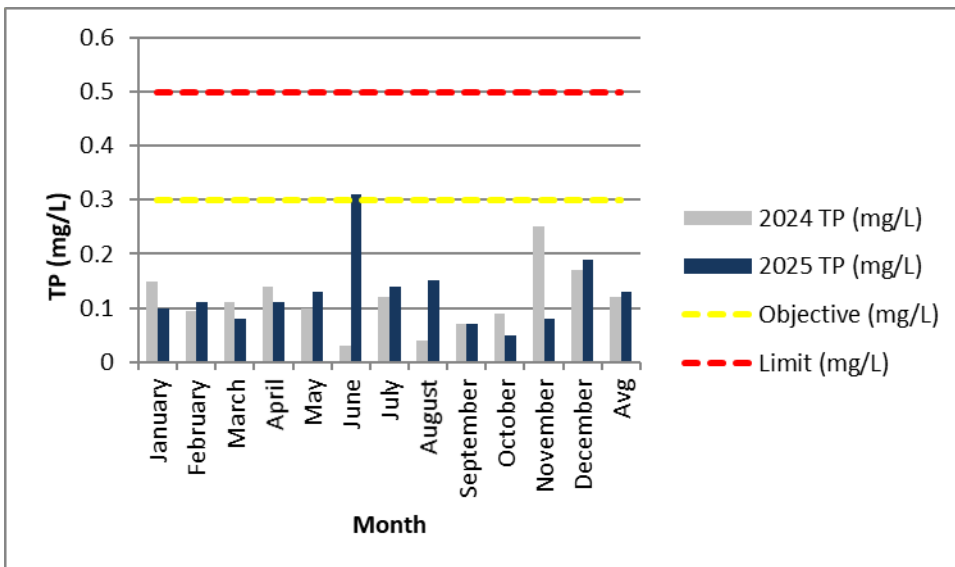
In February, this was likely due to elevated mixed liquor concentrations in the aeration basin. Consequently, waste activated sludge removal volumes were increased. The May objective exceedance was likely caused by algae build-up in the effluent channel. A full system clean was initiated. In June, there was a high flow event caused by heavy rain. This resulted in samples being obtained due to a condition in the ECA where sampling is required when the plant is outside of normal operating conditions. Such samples often result in high TSS concentrations due to high flows reducing settling efficiency and leading to solids carryover. In December, filter clogging was an issue; alum was lowered and wasting increased to reduce the load on the filters.

Figure 9: Monthly Average Effluent TSS Concentrations, 2024 to 2025 against ECA Limit and Objective



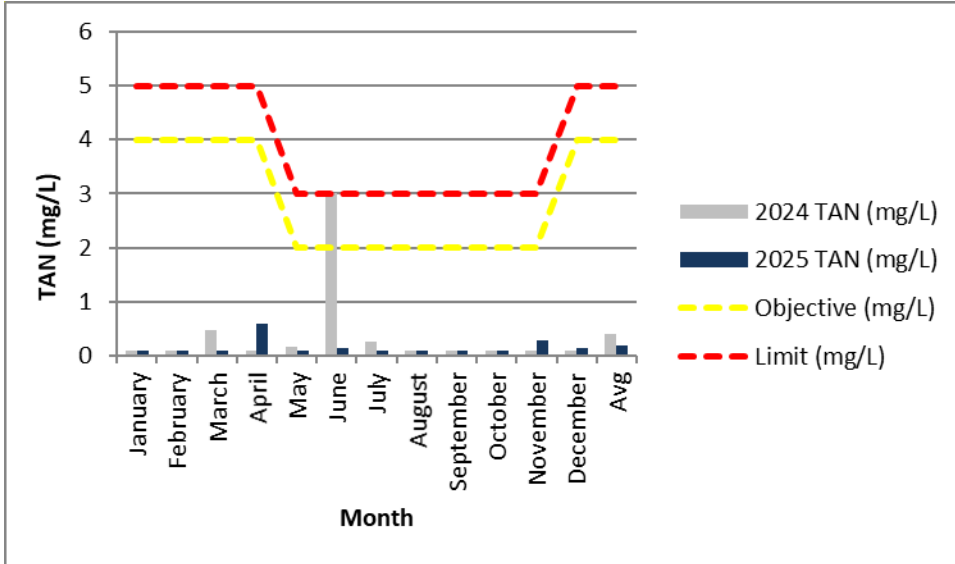
The annual average effluent concentration for Total Phosphorus (TP) in 2025 was 0.13mg/L, which is an 8% increase from the annual average concentration in 2024 (refer to Figure 10). The annual average loading of TP in 2024 was 0.06 kg/d. The TP monthly average concentration in June of 0.3 mg/L was higher than the annual average but still met the objective. This higher concentration was the result of a heavy rain event where samples were obtained due to the plant being outside of normal operating conditions. Heavy rain can carry phosphorus-rich material into the collection system and dilute the aluminum sulfate dosage resulting in increased TP concentrations. All months met both the monthly average and monthly loading ECA objective and limit.

Figure 10: Monthly Average Effluent TP Concentrations, 2024 to 2025 against ECA Limit and Objective



The annual average effluent concentration for Total Ammonia Nitrogen (TAN) in 2025 was 0.19 mg/L, which is a 54% decrease from the annual average concentration in 2024 (refer to Figure 11). The annual average loading of TAN in 2025 was 0.09 kg/d. All months met both the monthly average and monthly loading ECA objective and limit.

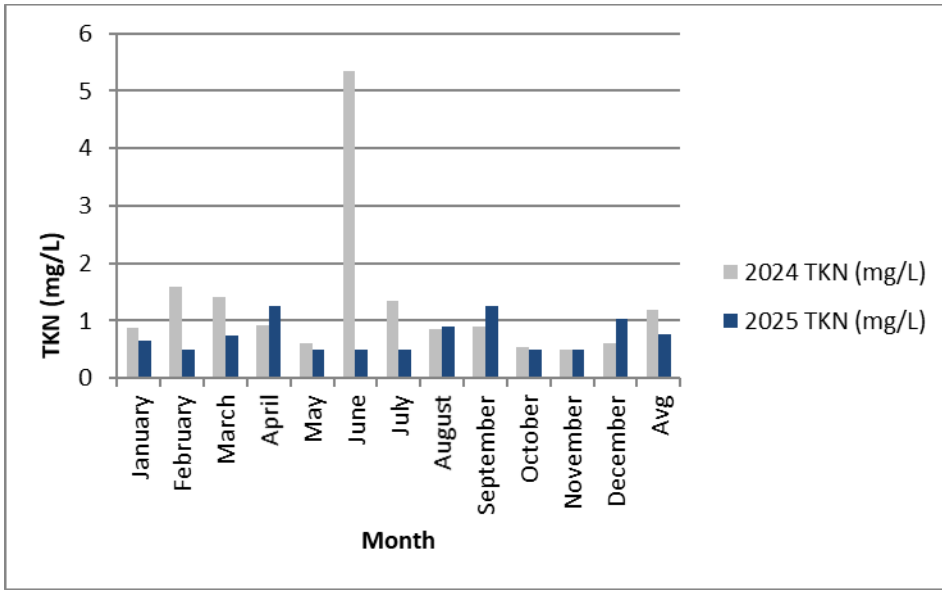
Figure 11: Monthly Average Effluent TAN Concentrations, 2024 to 2025 against ECA Limit and Objective



Unionized ammonia (NH_3) is the toxic form of ammonia that can occur in wastewater. While there is no ECA objective or limit for NH_3 , the Provincial Water Quality Objective (PWQO) for unionized ammonia is 0.02 mg/L. In 2025, effluent unionized ammonia concentrations were calculated to be 0 mg/L for all samples.

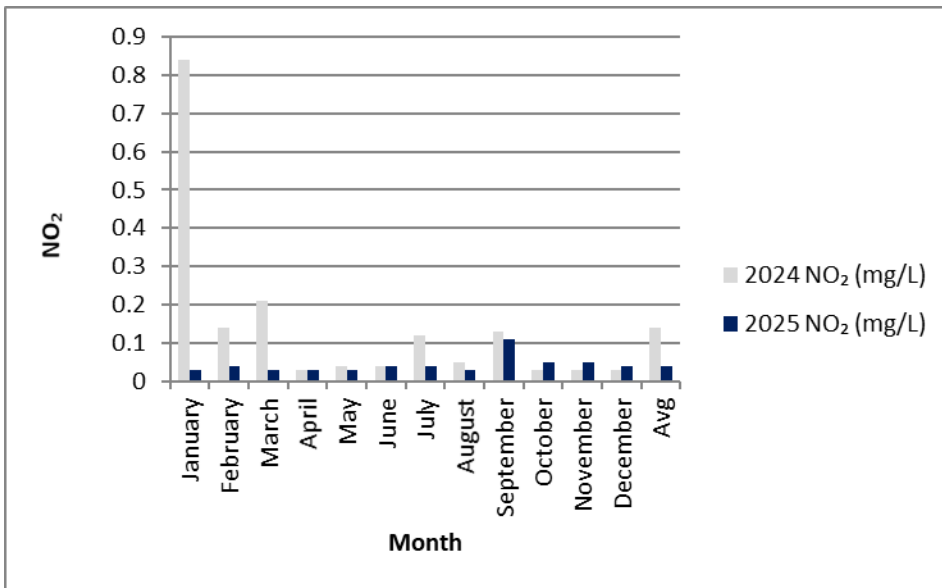
The annual average effluent concentration for Total Kjeldahl Nitrogen (TKN) in 2025 was 0.76 mg/L, which is a 36% decrease from the annual average concentration in 2024 (refer to Figure 12). There are no ECA objectives or limits for TKN; however, it is included to show the total amount of reduced nitrogen (ammonia + organic nitrogen) leaving the facility. In 2025, overall nitrogen levels in the effluent remained low throughout the year.

Figure 12: Monthly Average Effluent TKN Concentrations, 2024 to 2025



The annual average effluent concentration for Nitrite (NO₂) in 2025 was 0.04 mg/L, which is a 71% decrease from the annual average concentration in 2024 (refer to Figure 13). There are no ECA objectives or limits for NO₂; however, nitrite is monitored because it is an intermediate stage in the nitrification process. In a well-functioning system, nitrite should remain very low, and the consistently low NO₂ levels observed throughout 2025 indicate that nitrification proceeded normally and that nitrite was being fully converted to nitrate.

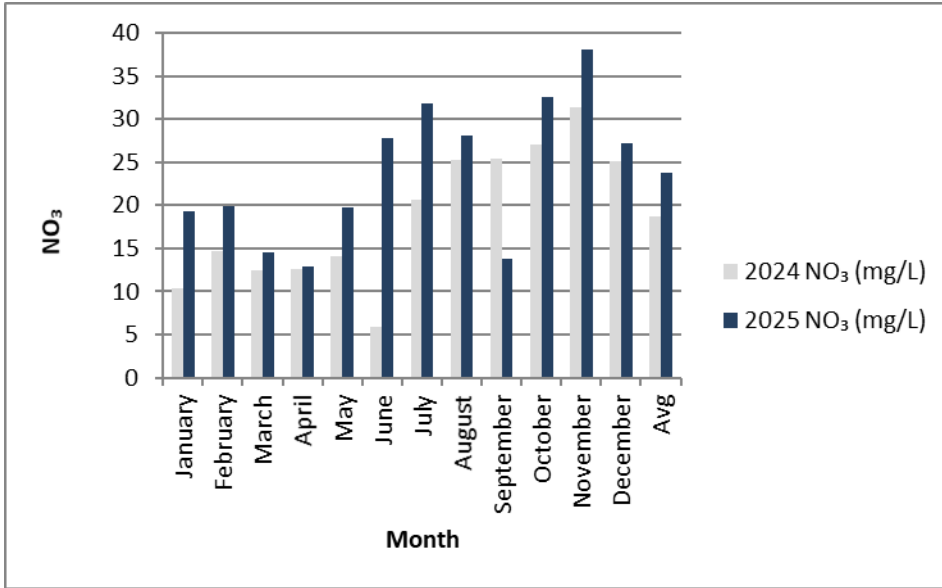
Figure 13: Monthly Average Effluent NO₂ Concentrations, 2024 to 2025



The annual average effluent concentration for Nitrate (NO₃) in 2025 was 23.82 mg/L, which is a 27% increase from the annual average concentration in 2024 (refer to Figure 14). There are no

ECA objectives or limits for NO_3 ; however, NO_3 is monitored to confirm that nitrification is occurring. While monthly nitrate levels vary seasonally, the presence of nitrate throughout the year indicates that ammonia is being effectively converted through the nitrification process.

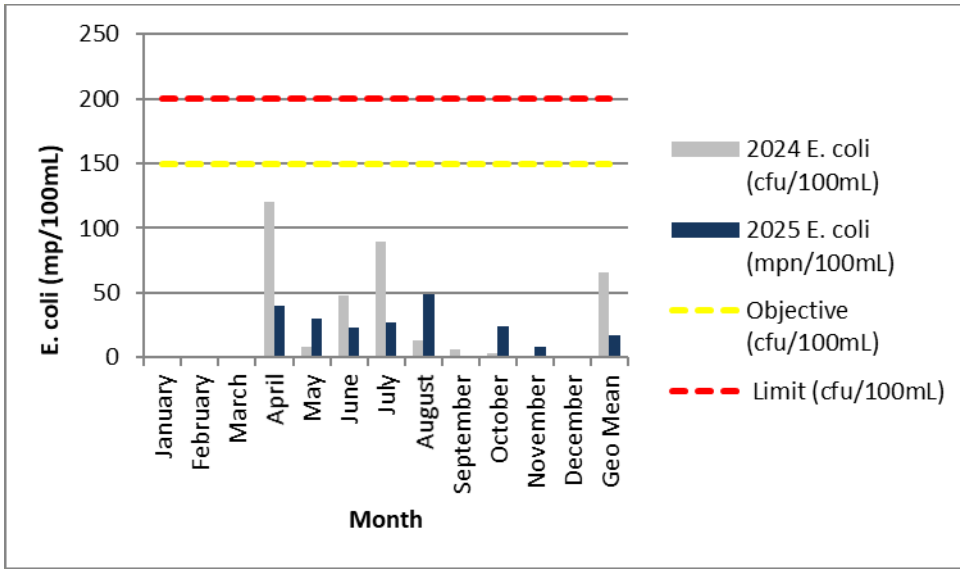
Figure 14: Monthly Average Effluent NO_3 Concentrations, 2024 to 2025



In 2025, SGS lab updated their *E. coli* measurement method to mpn/100mL (most probable number) rather than cfu/100mL. As per the ECA, the ECA objectives and limits remain the same for mpn/100mL sample results as they are for cfu/100mL sample results.

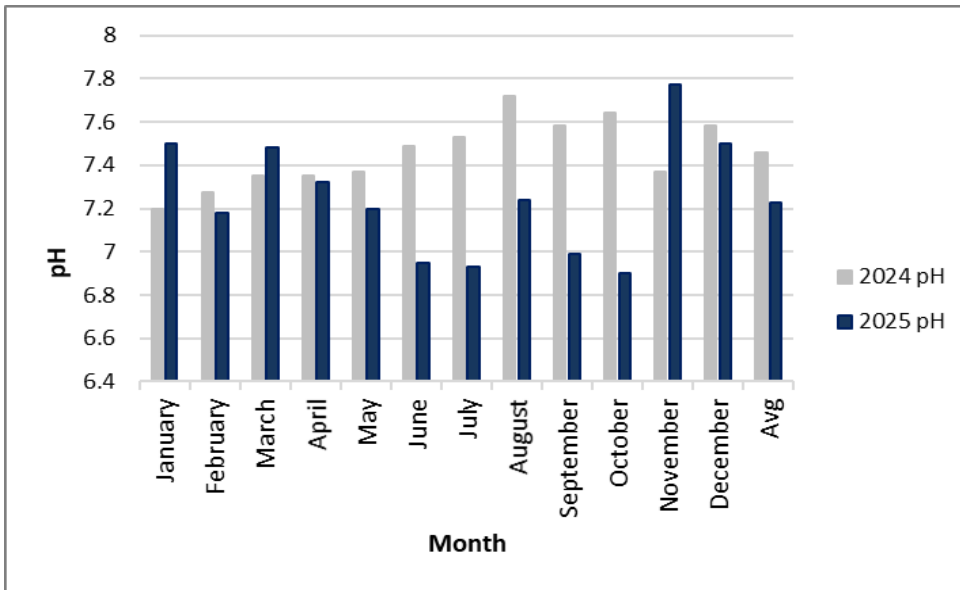
The annual effluent geometric mean for *E. coli* was 17 mpn/100 mL in 2025, which is a 74% decrease from the annual geometric mean in 2024 (refer to Figure 15). This is the result of elevated *E. coli* concentrations reported in 2024. The ECA objective and limit were met throughout 2025.

Figure 15: Monthly Geomean Effluent E. coli Concentrations, 2024 to 2025 against ECA Limit and Objective



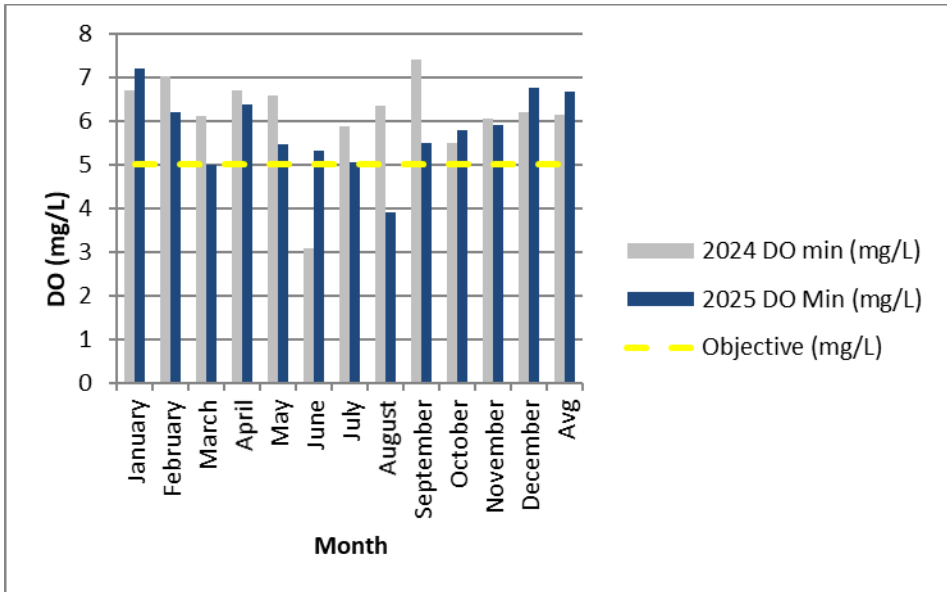
In 2025, effluent pH at the West Lorne WPCP ranged from 6.93 to 7.77 and was thus within the recommended range of 6.5 to 8.5. The 2025 pH average of 7.2 is similar to the pH recorded in previous years (refer to Figure 16).

Figure 16: 2024 and 2025 Effluent pH



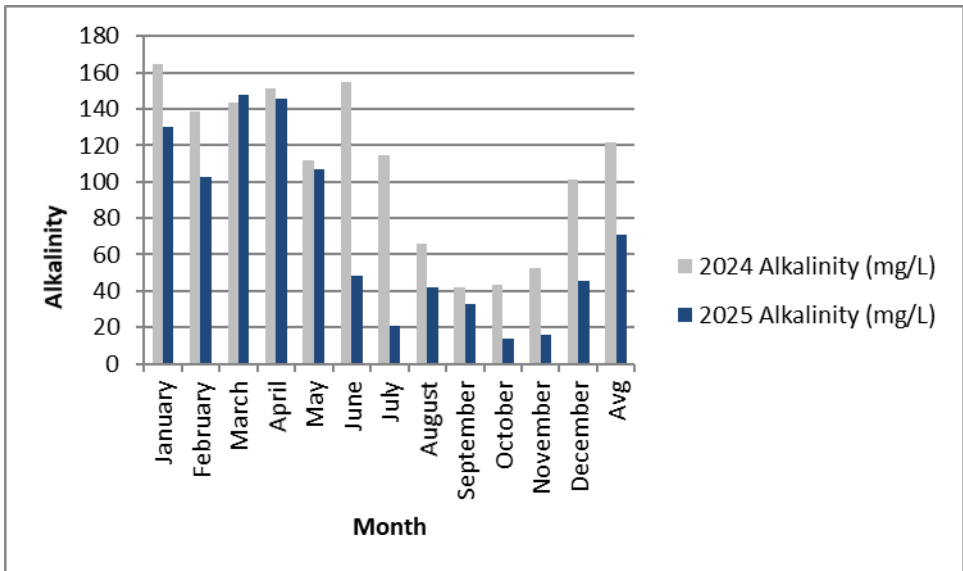
In 2025, the average concentration of DO in the final effluent was 6.69 mg/L, which is a 9% increase from the average concentration in 2024 (refer to Figure 17). In August, the ECA minimum DO concentration objective of 5.0 mg/L was not met with a concentration of 3.91 mg/L. This was possibly due to operator error as DO concentrations were sufficient prior to and after the low reading was recorded.

Figure 17: Monthly DO Concentrations, 2024 to 2025 against ECA Objective



In 2025, the average monthly effluent alkalinity concentration was 70 mg/L which is a 42% decrease from the average monthly concentration in 2024 (refer to Figure 18). This decrease is attributed to lower incoming raw alkalinity in 2025 and higher raw TKN concentrations which increased nitrification demand and subsequently alkalinity consumption. There are no ECA objectives or limits for alkalinity; however, an operational guideline is a minimum of 40 mg/L.

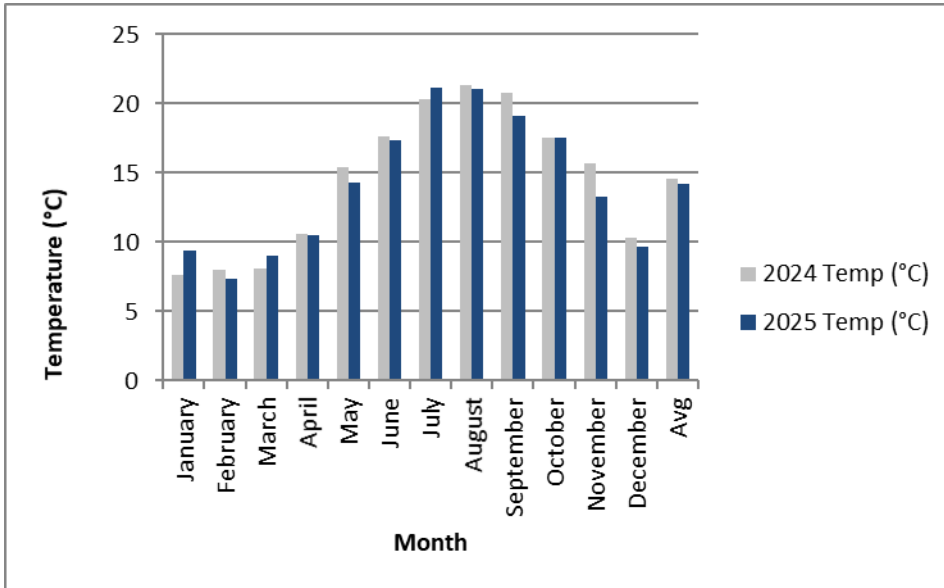
Figure 18: Monthly Alkalinity Concentrations, 2024 to 2025



In 2025, effluent temperature at the West Lorne WPCP ranged from 7.32 °C to 21.7 °C. This is similar to the range seen in 2024 (refer to Figure 19). There are no ECA objectives or limits for temperature; however, it is measured to help interpret treatment performance and understand seasonal changes that can affect parameters such as ammonia, dissolved oxygen, and biological

activity in the system. Temperature variations seen in 2025 are normal for municipal wastewater systems in Ontario and does not present any operational or compliance concerns.

Figure 19: Monthly Average Effluent Temperatures, 2024 to 2025



Section 4: Monitoring Schedule

In 2025, there were no deviations required from the monitoring schedule. However, additional samples were collected on November 19th to assess the effectiveness of sand filter maintenance performed in response to previously elevated effluent TSS concentrations, and again on December 16th to evaluate the impact of blower and filter maintenance on effluent quality. All changes to the monitoring schedule must be approved by Operations Management and the Process and Compliance Technician. These changes are then recorded on the monitoring schedule. Refer to Appendix B for the monitoring schedule for 2025. Additional samples were also collected during the 2025 reporting period when the system was operating outside normal operating conditions. Refer to Section 12.

Section 5: Operating Issues and Corrective Actions

High influent flows were experienced throughout 2025. These high-flow events caused solids carryover through the treatment process, resulting in elevated TSS concentrations in the effluent. The increased solids loading also contributed to higher TP levels in the effluent during these periods. Despite these events, all ECA monthly average effluent limits and monthly average loading limits were met in 2025.

Section 6: Maintenance

Regular scheduled monthly preventative maintenance is assigned and monitored using the Workplace Management System (WMS) program. Refer to Appendix D for a summary of work

completed during the reporting period. The following is a summary of maintenance performed other than WMS work orders:

- Berm build-up on West Lagoon Cell
- Air compressor repairs - WPCP
- Scum pump installed - WPCP
- Sump pump replacement – WPCP
- Heater installation – WPCP Grit Room

Section 7: Effluent Quality Assurance

Effluent quality assurance is evaluated by monitoring parameters and changes throughout the plant processes. Operators monitor the aeration tanks by performing weekly tests on the mixed liquor. These tests include dissolved oxygen, pH, temperature, settling tests, and Mixed Liquor Suspended Solids (MLSS). As well, operators monitor alum dosages, wasting volumes and return activated sludge suspended solids. Data collected from these tests provide information to the operator to make the appropriate adjustments in the treatment process and take corrective actions before the plant reaches its effluent limits.

Section 8: Calibration and Maintenance

Regular scheduled monthly preventative maintenance is assigned and monitored using the Workplace Management System program. Refer to Appendix D for a work order preventative maintenance summary.

Annual maintenance on the generator was completed in July by Albert's Generator Service.

SCG Flow Metrix Technical Services Inc. performed the annual calibrations on the flow meters in April. Refer to Appendix C for calibration records.

In house meters for pH and dissolved oxygen are calibrated by OCWA operators as per manufacturer's instructions.

Section 9: Design Objectives

The influent flow is currently at 55% of the rated capacity. In 2025, the effluent objectives were achieved more than 50% of the time and there is no increasing trend in deterioration of final effluent quality. Therefore, there is no additional assessment required.

Section 10: Sludge Generation

The lagoon is utilized for sludge digestion and storage in accordance with the ECA. Waste activated sludge (WAS) is transferred to the lagoon, where it settles to the bottom. Following settling, the lagoon is decanted, and the supernatant is pumped back to the head of the plant for treatment. In 2025, the total amount of WAS transferred to the lagoon was approximately 4,600 m³. For 2025, the amount of sludge generated will be approximately 4,900 m³. The lagoon has ample storage for the sludge and will not require cleanout in the coming year.

Section 11: Community Complaints

There were no community complaints received in 2025.

Section 12: Bypasses, Overflow, Spills, and Other Situations Outside Normal Operating Conditions

There were no bypasses or overflows reported for the treatment plant in 2025.

There were situations during the reporting period when the facility was operating outside normal operating conditions caused by high flows. Additional samples were collected during these events in accordance with the ECA.

A spill event occurred on May 18th, 2025. The contents of the west lagoon breached the berm and an estimated 3000 m³ of lagoon contents were released to the Zoller Drain. This incident was reported to the Spills Action Centre and a spill sample obtained. Remediation of the berm was completed on May 27th, 2025, including building up the berm's height. Operations staff at the West Lorne WPCP are routinely monitoring the lagoon levels and berm condition and are continuing to monitor the decant process to ensure the lagoon levels are adequately maintained.

Section 13: Modifications to Sewage Works

There have been no modifications to the sewage works under paragraph 1.d. Condition 10 of the ECA.

Section 14: Efforts made to Achieve Conformance with Procedure F-5-1

The West Lorne secondary and post-secondary treatment is provided by two aeration tanks, two clarifiers and sand filter system with final disinfection provided by UV. Supplementary phosphorus removal is also achieved with the addition of alum. The treatment components are capable of producing effluent quality that exceeds the effluent design objectives specified in Procedure F-5-1. The West Lorne WPCP is required to achieve higher effluent quality standards than the effluent guideline criteria as specified in the ECA.

There were no bypasses or overflow events for the West Lorne WPCP or the sanitary system in 2025. There are no projects at this time planned in the sanitary sewer system.

Section 15: Schedule for the Completion of Construction

There are no Proposed Works identified for the system that require completion or commissioning.

Section 16: Summary

Overall, the West Lorne Water Pollution Control Plant provided effective treatment in 2025. There were no effluent limit exceedances reported.

APPENDIX A

Analytical Data

5526 WEST LORNE WASTEWATER TREATMENT PLANT 110002853

	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-->	<-Criteria-->
Flows																
Raw Flow: Total - Raw m³/d	17,292.78	13,952.97	22,894.51	22,570.79	22,313.97	12,045.80	11,054.65	11,408.13	9,495.20	12,440.83	10,051.97	13,846.52	179,368.12			0.00
Raw Flow: Avg - Raw m³/d	557.83	498.32	738.53	752.36	719.81	401.53	356.60	368.00	316.51	401.32	335.07	446.66		491.42		900.00
Raw Flow: Max - Raw m³/d	992.06	814.76	1,304.30	2,135.68	4,833.31	651.60	864.67	671.30	429.53	3,187.24	517.98	924.83			4,833.31	0.00
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			0.00
Eff. Flow: Total - Effluent m³/d	17,568.99	14,001.05	23,906.64	21,178.20	19,127.80	11,871.47	15,378.48	9,786.86	10,070.74	8,700.37	6,174.32	9,328.93	167,093.85			0.00
Eff. Flow: Avg - Effluent m³/d	566.74	500.04	771.18	705.94	617.03	395.72	496.08	315.71	335.69	280.66	205.81	310.96		459.05		2,700.00
Eff. Flow: Max - Effluent m³/d	3,390.68	810.51	1,465.98	2,054.93	1,145.55	533.30	1,339.25	834.90	1,029.33	1,006.86	347.20	652.83			3,390.68	0.00
Eff Flow: Count - Effluent m³/d	31.00	28.00	31.00	30.00	31.00	30.00	31.00	31.00	30.00	31.00	30.00	30.00	364.00			0.00
Carbonaceous Biochemical Oxygen Demand: CBOD																
Eff: Avg cBOD5 - Effluent mg/L	< 2.00	< 2.50	< 2.00	< 2.00	< 3.50	< 2.67	< 2.00	< 2.00	< 2.00	< 2.00	< 2.33	< 2.67		< 2.30	< 3.50	
Eff: # of samples of cBOD5 - Effluent	2.00	2.00	2.00	4.00	2.00	3.00	2.00	2.00	2.00	3.00	3.00	3.00	30.00			0.00
Loading: cBOD5 - Effluent kg/d	< 1.133	< 1.250	< 1.542	< 1.412	< 2.160	< 1.055	< 0.992	< 0.631	< 0.671	< 0.561	< 0.480	< 0.829		< 1.06	< 2.16	
Biochemical Oxygen Demand: BOD5																
Raw: Avg BOD5 - Raw mg/L	144.50	63.00	50.50	134.33	274.00	75.50	71.50	63.50	220.00	130.67	101.50	47.33		113.52	274.00	0.00
Raw: # of samples of BOD5 - Raw	2.00	2.00	2.00	3.00	2.00	2.00	2.00	2.00	2.00	3.00	2.00	3.00	27.00			0.00
Total Suspended Solids: TSS																
Raw: Avg TSS - Raw mg/L	135.50	115.50	61.00	120.33	204.50	371.00	66.00	62.00	227.00	145.00	115.50	170.00		148.96	371.00	0.00
Raw: # of samples of TSS - Raw	2.00	2.00	2.00	3.00	2.00	2.00	2.00	2.00	2.00	3.00	2.00	3.00	27.00			0.00
Eff: Avg TSS - Effluent mg/L	< 2.00	< 5.50	< 3.00	< 3.75	< 5.50	< 9.00	< 4.50	< 4.50	< 2.00	< 2.67	< 5.00	< 7.00		< 4.67	< 9.00	15.00
Eff: # of samples of TSS - Effluent	2.00	2.00	2.00	4.00	2.00	3.00	2.00	2.00	2.00	3.00	3.00	3.00	30.00			0.00
Loading: TSS - Effluent kg/d	< 1.133	< 2.750	< 2.314	< 2.647	< 3.394	< 3.561	< 2.232	< 1.421	< 0.671	< 0.748	< 1.029	< 2.177		< 2.14	< 3.56	9.000
Percent Removal: TSS - Raw %	98.52	95.24	95.08	96.88	97.31	97.57	93.18	92.74	99.12	98.16	95.67	95.88		96.28	99.12	0.00
Total Phosphorus: TP																
Raw: Avg TP - Raw mg/L	3.53	3.30	1.59	2.68	3.98	8.07	2.84	2.59	5.87	4.83	2.72	2.28		3.64	8.07	0.00
Raw: # of samples of TP - Raw	2.00	2.00	2.00	3.00	2.00	2.00	2.00	2.00	2.00	3.00	2.00	3.00	27.00			0.00
Eff: Avg TP - Effluent mg/L	0.10	0.11	0.08	0.11	0.13	0.31	0.14	0.15	0.07	0.05	0.08	0.19		0.13	0.31	0.50
Eff: # of samples of TP - Effluent	2.00	2.00	2.00	4.00	2.00	3.00	2.00	2.00	2.00	3.00	3.00	3.00	30.00			0.00
Loading: TP - Effluent kg/d	0.057	0.053	0.062	0.074	0.080	0.121	0.067	0.046	0.023	0.015	0.016	0.058		0.06	0.12	0.450
Percent Removal: TP - Raw %	97.16	96.81	94.97	96.08	96.73	96.20	95.24	94.39	98.81	98.90	97.18	91.82		96.19	98.90	0.00
Nitrogen Series																
Raw: Avg TKN - Raw mg/L	32.60	29.65	12.40	24.77	38.65	45.65	30.40	25.30	49.60	52.03	28.65	5.83		30.88	52.03	0.00
Raw: # of samples of TKN - Raw	2.00	2.00	2.00	3.00	2.00	2.00	2.00	2.00	2.00	3.00	2.00	3.00	27.00			0.00
Eff: Avg TAN - Effluent mg/L	< 0.10	< 0.10	< 0.10	< 0.60	< 0.10	< 0.13	< 0.10	< 0.10	< 0.10	< 0.10	< 0.27	< 0.13		< 0.19	< 0.60	5.00
Eff: # of samples of TAN - Effluent	2.00	2.00	2.00	4.00	2.00	3.00	2.00	2.00	2.00	3.00	3.00	3.00	30.00			0.00
Loading: TAN - Effluent kg/d	< 0.057	< 0.050	< 0.077	< 0.424	< 0.062	< 0.053	< 0.050	< 0.032	< 0.034	< 0.028	< 0.055	< 0.041		< 0.09	< 0.42	2.700
Eff: Avg NO3-N - Effluent mg/L	19.35	19.90	14.55	12.92	19.75	27.77	31.80	28.10	13.83	32.63	38.03	27.20		23.82	38.03	0.00
Eff: # of samples of NO3-N - Effluent	2.00	2.00	2.00	4.00	2.00	3.00	2.00	2.00	2.00	3.00	3.00	3.00	30.00			0.00
Eff: Avg NO2-N - Effluent mg/L	< 0.03	< 0.04	< 0.03	< 0.03	< 0.03	< 0.04	< 0.04	< 0.03	< 0.11	< 0.05	< 0.05	< 0.04		< 0.04	< 0.11	0.00
Eff: # of samples of NO2-N - Effluent	2.00	2.00	2.00	4.00	2.00	3.00	2.00	2.00	2.00	3.00	3.00	3.00	30.00			0.00

Disinfection

Eff: GMD E. Coli MPN - Effluent MPN

Eff: # of samples of E. Coli MPN - Effluent

0.00	0.00	0.00	39.52	30.35	22.74	26.83	49.19	1.00	24.12	8.00	0.00				
0.00	0.00	0.00	2.00	2.00	2.00	2.00	2.00	2.00	3.00	1.00	0.00	16.00			0.00

APPENDIX B

Monitoring Schedule



Sample Schedule 2025

5526 West Lorne WWTP

Issued: 2024-12-05
 Rev.#: 0
 Pages: 1 of 12

Reviewed by: QEMS Representative

Approved by: Operations Management

January 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 STAT	2	3 IH Reduced	4
5	6	7 IH Full Raw & Effluent Samples	8	9	10 IH Reduced	11
12	13	14 IH Full	15	16	17 IH Reduced	18
19	20	21 IH Full Raw & Effluent Samples	22	23	24 IH Reduced	25
26	27	28 IH Full	29	30	31 IH Reduced	

- IH (In House) Full:** Raw 24hr Composite (pH, Alk)
 Aeration (Set Test, MLSS, MLVSS, DO, pH, Temp.)
 RAS (SS)
 Lagoon Decant (TP, NH3+NH4, pH, DO)
 Effluent 24hr Composite (TP, NH3+NH4, Alk, SS); Grab (pH, DO, Temp.)
 Receiving Stream (pH, Temp.)
- IH (In House) Reduced:** Aeration (Set Test, DO, pH, Temp.)
 Effluent (DO, pH, Temp., TP, NH3+NH4)
- Raw Samples:** 24hr Composite (BOD5, SS, TP, TKN, Alkalinity)
- Effluent Samples:** 24hr Composite (cBOD5, SS, NH3+NH4, TKN, NO3, NO2, TP, Alkalinity, pH)
 Grab (E. coli—Apr 15 to Oct 15, DO, Temp.)

Notes: Initial on date when sample was taken. Add any additional sampling completed for the facility. At the end of the month hand in to the PCT with folder.

Revision History

Date	Revision #	Reason for Revision	Revision By
2024-12-05	0	Create Schedule	Terri-Lynn Thomson



Sample Schedule 2025

5526 West Lorne WWTP

Issued: 2024-12-05
 Rev.#: 0
 Pages: 2 of 12

Reviewed by: QEMS Representative

Approved by: Operations Management

February 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4 IH Full Raw & Effluent Samples	5	6	7 IH Reduced	8
9	10	11 IH Full	12	13	14 IH Reduced	15
16	STAT	17 IH Full Raw & Effluent Samples	18	19	20 IH Reduced	21 22
23	24	25 IH Full	26	27	28 IH Reduced	

- IH (In House) Full:** Raw 24hr Composite (pH, Alk)
 Aeration (Set Test, MLSS, MLVSS, DO, pH, Temp.)
 RAS (SS)
 Lagoon Decant (TP, NH3+NH4, pH, DO)
 Effluent 24hr Composite (TP, NH3+NH4, Alk, SS); Grab (pH, DO, Temp.)
 Receiving Stream (pH, Temp.)
- IH (In House) Reduced:** Aeration (Set Test, DO, pH, Temp.)
 Effluent (DO, pH, Temp., TP, NH3+NH4)
- Raw Samples:** 24hr Composite (BOD5, SS, TP, TKN, Alkalinity)
- Effluent Samples:** 24hr Composite (cBOD5, SS, NH3+NH4, TKN, NO3, NO2, TP, Alkalinity, pH)
 Grab (E. coli—Apr 15 to Oct 15, DO, Temp.)

Notes: Initial on date when sample was taken. Add any additional sampling completed for the facility. At the end of the month hand in to the PCT with folder.

Revision History

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Sample Schedule 2025

5526 West Lorne WWTP

Issued: 2024-12-05
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 Pages: 3 of 12

Reviewed by: QEMS Representative

Approved by: Operations Management

March 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4 IH Full Raw & Effluent Samples	5	6	7 IH Reduced	8
9	10	11 IH Full	12	13	14 IH Reduced	15
16	17	18 IH Full Raw & Effluent Samples	19	20	21 IH Reduced	22
23	24	25 IH Full	26	27	28 IH Reduced	29
30	31					

- IH (In House) Full:** Raw 24hr Composite (pH, Alk)
 Aeration (Set Test, MLSS, MLVSS, DO, pH, Temp.)
 RAS (SS)
 Lagoon Decant (TP, NH3+NH4, pH, DO)
 Effluent 24hr Composite (TP, NH3+NH4, Alk, SS); Grab (pH, DO, Temp.)
 Receiving Stream (pH, Temp.)
- IH (In House) Reduced:** Aeration (Set Test, DO, pH, Temp.)
 Effluent (DO, pH, Temp., TP, NH3+NH4)
- Raw Samples:** 24hr Composite (BOD5, SS, TP, TKN, Alkalinity)
- Effluent Samples:** 24hr Composite (cBOD5, SS, NH3+NH4, TKN, NO3, NO2, TP, Alkalinity, pH)
 Grab (E. coli—Apr 15 to Oct 15, DO, Temp.)

Notes: Initial on date when sample was taken. Add any additional sampling completed for the facility. At the end of the month hand in to the PCT with folder.

Revision History

Date	Revision #	Reason for Revision	Revision By
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Sample Schedule 2025

5526 West Lorne WWTP

Issued: 2024-12-05
 Rev.#: 0
 Pages: 4 of 12

Reviewed by: QEMS Representative

Approved by: Operations Management

April 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 IH Full Raw & Effluent Samples	2	3	4 IH Reduced	5
6	7	8 IH Full	9	10	11 IH Reduced	12
13	14	15 IH Full Raw & Effluent Samples	16	17 IH Reduced	18 STAT	19
20	21 STAT	22 IH Full	23	24	25 IH Reduced	26
27	28	29 IH Full Raw & Effluent Samples	30			

- IH (In House) Full:** Raw 24hr Composite (pH, Alk)
 Aeration (Set Test, MLSS, MLVSS, DO, pH, Temp.)
 RAS (SS)
 Lagoon Decant (TP, NH3+NH4, pH, DO)
 Effluent 24hr Composite (TP, NH3+NH4, Alk, SS); Grab (pH, DO, Temp.)
 Receiving Stream (pH, Temp.)
- IH (In House) Reduced:** Aeration (Set Test, DO, pH, Temp.)
 Effluent (DO, pH, Temp., TP, NH3+NH4)
- Raw Samples:** 24hr Composite (BOD5, SS, TP, TKN, Alkalinity)
- Effluent Samples:** 24hr Composite (cBOD5, SS, NH3+NH4, TKN, NO3, NO2, TP, Alkalinity, pH)
 Grab (E. coli—Apr 15 to Oct 15, DO, Temp.)

Notes: Initial on date when sample was taken. Add any additional sampling completed for the facility. At the end of the month hand in to the PCT with folder.

Revision History

Date	Revision #	Reason for Revision	Revision By
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Ontario Clean Water Agency

Sample Schedule 2025

5526 West Lorne WWTP

Issued: 2024-12-05
 Rev.#: 0
 Pages: 5 of 12

Reviewed by: QEMS Representative

Approved by: Operations Management

May 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
				1	2	3
					IH Reduced	
4	5	6	7	8	9	10
		IH Full Annual H&S Walkthrough			IH Reduced	
11	12	13	14	15	16	17
		IH Full Raw & Effluent Samples			IH Reduced	
18	19	20	21	22	23	24
	STAT	IH Full			IH Reduced	
25	26	27	28	29	30	31
		IH Full Raw & Effluent Samples			IH Reduced	

- IH (In House) Full:**
 - Raw 24hr Composite (pH, Alk)
 - Aeration (Set Test, MLSS, MLVSS, DO, pH, Temp.)
 - RAS (SS)
 - Lagoon Decant (TP, NH3+NH4, pH, DO)
 - Effluent 24hr Composite (TP, NH3+NH4, Alk, SS); Grab (pH, DO, Temp.)
 - Receiving Stream (pH, Temp.)
- IH (In House) Reduced:**
 - Aeration (Set Test, DO, pH, Temp.)
 - Effluent (DO, pH, Temp., TP, NH3+NH4)
- Raw Samples:**
 - 24hr Composite (BOD5, SS, TP, TKN, Alkalinity)
- Effluent Samples:**
 - 24hr Composite (cBOD5, SS, NH3+NH4, TKN, NO3, NO2, TP, Alkalinity, pH)
 - Grab (E. coli—Apr 15 to Oct 15, DO, Temp.)

Notes: Initial on date when sample was taken. Add any additional sampling completed for the facility. At the end of the month hand in to the PCT with folder.

Revision History

Date	Revision #	Reason for Revision	Revision By
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Sample Schedule 2025

5526 West Lorne WWTP

Issued: 2024-12-05
 Rev.#: 0
 Pages: 6 of 12

Reviewed by: QEMS Representative

Approved by: Operations Management

June 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
1	2	3 IH Full	4	5	6 IH Reduced	7
8	9	10 IH Full Raw & Effluent Samples	11	12	13 IH Reduced	14
15	16	17 IH Full	18	19	20 IH Reduced	21
22	23	24 IH Full Raw & Effluent Samples	25	26	27 IH Reduced	28
29	30					

- IH (In House) Full:** Raw 24hr Composite (pH, Alk)
 Aeration (Set Test, MLSS, MLVSS, DO, pH, Temp.)
 RAS (SS)
 Lagoon Decant (TP, NH3+NH4, pH, DO)
 Effluent 24hr Composite (TP, NH3+NH4, Alk, SS); Grab (pH, DO, Temp.)
 Receiving Stream (pH, Temp.)
- IH (In House) Reduced:** Aeration (Set Test, DO, pH, Temp.)
 Effluent (DO, pH, Temp., TP, NH3+NH4)
- Raw Samples:** 24hr Composite (BOD5, SS, TP, TKN, Alkalinity)
- Effluent Samples:** 24hr Composite (cBOD5, SS, NH3+NH4, TKN, NO3, NO2, TP, Alkalinity, pH)
 Grab (E. coli—Apr 15 to Oct 15, DO, Temp.)

Notes: Initial on date when sample was taken. Add any additional sampling completed for the facility. At the end of the month hand in to the PCT with folder.

Revision History

Date	Revision #	Reason for Revision	Revision By
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Sample Schedule 2025 5526 West Lorne WWTP

Issued: 2024-12-05
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Pages: 7 of 12

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Approved by: Operations Management

July 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
		1 STAT	2 IH Full	3	4 IH Reduced	5
6	7	8 IH Full Raw & Effluent Samples	9	10	11 IH Reduced	12
13	14	15 IH Full	16	17	18 IH Reduced	19
20	21	22 IH Full Raw & Effluent Samples	23	24	25 IH Reduced	26
27	28	29 IH Full	30	31		

- IH (In House) Full:** Raw 24hr Composite (pH, Alk)
Aeration (Set Test, MLSS, MLVSS, DO, pH, Temp.)
RAS (SS)
Lagoon Decant (TP, NH3+NH4, pH, DO)
Effluent 24hr Composite (TP, NH3+NH4, Alk, SS); Grab (pH, DO, Temp.)
Receiving Stream (pH, Temp.)
- IH (In House) Reduced:** Aeration (Set Test, DO, pH, Temp.)
Effluent (DO, pH, Temp., TP, NH3+NH4)
- Raw Samples:** 24hr Composite (BOD5, SS, TP, TKN, Alkalinity)
- Effluent Samples:** 24hr Composite (cBOD5, SS, NH3+NH4, TKN, NO3, NO2, TP, Alkalinity, pH)
Grab (E. coli—Apr 15 to Oct 15, DO, Temp.)

Notes: Initial on date when sample was taken. Add any additional sampling completed for the facility. At the end of the month hand in to the PCT with folder.

Revision History

Date	Revision #	Reason for Revision	Revision By
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Sample Schedule 2025

5526 West Lorne WWTP

Issued: 2024-12-05
 Rev.#: 0
 Pages: 8 of 12

Reviewed by: QEMS Representative

Approved by: Operations Management

August 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
					1 IH Reduced	2
3	STAT	4 IH Full Raw & Effluent Samples	5	6	7	8 IH Reduced
10	11	12 IH Full	13	14	15 IH Reduced	16
17	18	19 IH Full Raw & Effluent Samples	20	21	22 IH Reduced	23
24	25	26 IH Full	27	28	29 IH Reduced	30
31						

- IH (In House) Full:** Raw 24hr Composite (pH, Alk)
 Aeration (Set Test, MLSS, MLVSS, DO, pH, Temp.)
 RAS (SS)
 Lagoon Decant (TP, NH3+NH4, pH, DO)
 Effluent 24hr Composite (TP, NH3+NH4, Alk, SS); Grab (pH, DO, Temp.)
 Receiving Stream (pH, Temp.)
- IH (In House) Reduced:** Aeration (Set Test, DO, pH, Temp.)
 Effluent (DO, pH, Temp., TP, NH3+NH4)
- Raw Samples:** 24hr Composite (BOD5, SS, TP, TKN, Alkalinity)
- Effluent Samples:** 24hr Composite (cBOD5, SS, NH3+NH4, TKN, NO3, NO2, TP, Alkalinity, pH)
 Grab (E. coli—Apr 15 to Oct 15, DO, Temp.)

Notes: Initial on date when sample was taken. Add any additional sampling completed for the facility. At the end of the month hand in to the PCT with folder.

Revision History

Date	Revision #	Reason for Revision	Revision By
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Sample Schedule 2025

5526 West Lorne WWTP

Issued: 2024-12-05
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 Pages: 9 of 12

Reviewed by: QEMS Representative

Approved by: Operations Management

September 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1 STAT	2 IH Full Raw & Effluent Samples	3	4	5 IH Reduced	6
7	8	9 IH Full	10	11	12 IH Reduced	13
14	15	16 IH Full Raw & Effluent Samples	17	18	19 IH Reduced	20
21	22	23 IH Full	24	25	26 IH Reduced	27
28	29	30 STAT				

- IH (In House) Full:** Raw 24hr Composite (pH, Alk)
 Aeration (Set Test, MLSS, MLVSS, DO, pH, Temp.)
 RAS (SS)
 Lagoon Decant (TP, NH3+NH4, pH, DO)
 Effluent 24hr Composite (TP, NH3+NH4, Alk, SS); Grab (pH, DO, Temp.)
 Receiving Stream (pH, Temp.)
- IH (In House) Reduced:** Aeration (Set Test, DO, pH, Temp.)
 Effluent (DO, pH, Temp., TP, NH3+NH4)
- Raw Samples:** 24hr Composite (BOD5, SS, TP, TKN, Alkalinity)
- Effluent Samples:** 24hr Composite (cBOD5, SS, NH3+NH4, TKN, NO3, NO2, TP, Alkalinity, pH)
 Grab (E. coli—Apr 15 to Oct 15, DO, Temp.)

Notes: Initial on date when sample was taken. Add any additional sampling completed for the facility. At the end of the month hand in to the PCT with folder.

Revision History

Date	Revision #	Reason for Revision	Revision By
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Sample Schedule 2025

5526 West Lorne WWTP

Issued: 2024-12-05
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 Pages: 10 of 12

Reviewed by: QEMS Representative

Approved by: Operations Management

October 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1 IH Full Raw & Effluent Samples	2	3 IH Reduced	4
5	6	7 IH Full	8	9	10 IH Reduced	11
12	STAT	13 IH Full Raw & Effluent Samples	14	15	16 IH Reduced	17
18	19	20 IH Full	21	22	23 IH Reduced	24
25	26	27 IH Full Raw & Effluent Samples	28	29	30 IH Reduced	31

- IH (In House) Full:** Raw 24hr Composite (pH, Alk)
 Aeration (Set Test, MLSS, MLVSS, DO, pH, Temp.)
 RAS (SS)
 Lagoon Decant (TP, NH3+NH4, pH, DO)
 Effluent 24hr Composite (TP, NH3+NH4, Alk, SS); Grab (pH, DO, Temp.)
 Receiving Stream (pH, Temp.)
- IH (In House) Reduced:** Aeration (Set Test, DO, pH, Temp.)
 Effluent (DO, pH, Temp., TP, NH3+NH4)
- Raw Samples:** 24hr Composite (BOD5, SS, TP, TKN, Alkalinity)
- Effluent Samples:** 24hr Composite (cBOD5, SS, NH3+NH4, TKN, NO3, NO2, TP, Alkalinity, pH)
 Grab (E. coli—Apr 15 to Oct 15, DO, Temp.)

Notes: Initial on date when sample was taken. Add any additional sampling completed for the facility. At the end of the month hand in to the PCT with folder.

Revision History

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Sample Schedule 2025

5526 West Lorne WWTP

Issued: 2024-12-05
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 Pages: 11 of 12

Reviewed by: QEMS Representative

Approved by: Operations Management

November 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
						1
2	3	4 IH Full	5	6	7 IH Reduced	8
9	10	11 STAT	12 IH Full Raw & Effluent Samples	13	14 IH Reduced	15
16	17	18 IH Full	19	20	21 IH Reduced	22
23	24	25 IH Full Raw & Effluent Samples	26	27	28 IH Reduced	29
30						

- IH (In House) Full:** Raw 24hr Composite (pH, Alk)
 Aeration (Set Test, MLSS, MLVSS, DO, pH, Temp.)
 RAS (SS)
 Lagoon Decant (TP, NH3+NH4, pH, DO)
 Effluent 24hr Composite (TP, NH3+NH4, Alk, SS); Grab (pH, DO, Temp.)
 Receiving Stream (pH, Temp.)
- IH (In House) Reduced:** Aeration (Set Test, DO, pH, Temp.)
 Effluent (DO, pH, Temp., TP, NH3+NH4)
- Raw Samples:** 24hr Composite (BOD5, SS, TP, TKN, Alkalinity)
- Effluent Samples:** 24hr Composite (cBOD5, SS, NH3+NH4, TKN, NO3, NO2, TP, Alkalinity, pH)
 Grab (E. coli—Apr 15 to Oct 15, DO, Temp.)

Notes: Initial on date when sample was taken. Add any additional sampling completed for the facility. At the end of the month hand in to the PCT with folder.

Revision History

Date	Revision #	Reason for Revision	Revision By
2024-12-05	0	Create Schedule	Terri-Lynn Thomson



Sample Schedule 2025 5526 West Lorne WWTP

Issued: 2024-12-05
Rev.#: 0
Pages: 12 of 12

Reviewed by: QEMS Representative

Approved by: Operations Management

December 2025

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2 IH Full	3	4	5 IH Reduced	6
7	8	9 IH Full Raw & Effluent Samples	10	11	12 IH Reduced	13
14	15	16 IH Full	17	18	19 IH Reduced	20
21	22 IH Full Raw & Effluent Samples	23	24 IH Reduced	25 STAT	26 STAT	27
28	29	30 IH Full	31			

- IH (In House) Full:** Raw 24hr Composite (pH, Alk)
Aeration (Set Test, MLSS, MLVSS, DO, pH, Temp.)
RAS (SS)
Lagoon Decant (TP, NH3+NH4, pH, DO)
Effluent 24hr Composite (TP, NH3+NH4, Alk, SS); Grab (pH, DO, Temp.)
Receiving Stream (pH, Temp.)
- IH (In House) Reduced:** Aeration (Set Test, DO, pH, Temp.)
Effluent (DO, pH, Temp., TP, NH3+NH4)
- Raw Samples:** 24hr Composite (BOD5, SS, TP, TKN, Alkalinity)
- Effluent Samples:** 24hr Composite (cBOD5, SS, NH3+NH4, TKN, NO3, NO2, TP, Alkalinity, pH)
Grab (E. coli—Apr 15 to Oct 15, DO, Temp.)

Notes: Initial on date when sample was taken. Add any additional sampling completed for the facility. At the end of the month hand in to the PCT with folder.

Revision History

Date	Revision #	Reason for Revision	Revision By
2024-12-05	0	Create Schedule	Terri-Lynn Thomson

APPENDIX C

Flow Meter Verification

AS FOUND CERTIFICATION

FORWARD FLOW DIRECTION

PASS

CLIENT DETAIL

CUSTOMER OCWA Southwest Middlesex
 CONTACT Sam Smith
 Senior Operations Manager
 2701 Old Lakeshore Rd
 Brights Grove ON N0N 1C0
 P:519-768-9925
 C:226-377-1540
 E:ssmith@ocwa.com

EQUIPMENT DETAIL

[MUT] MANUFACTURER ROSEMOUNT
 MODEL 8712EM
 CONVERTER SERIAL NUMBER 14974744
 FUSE Filter Building Panel WLN1 - Breaker CB5140
 PLANT ID West Lorne WWTP
 METER ID Influent Raw Meter
 FIT ID FIT-170
 CLIENT TAG OCWA# 123540
 OTHER ORG# 5526
 GPS COORDINATES N42 35.162 W081 35.77

VER. BY - FM Daniel Kettlewell

Quality Management Standards Information -
 Reference equipment and instrumentation used to
 conduct this verification test is found in our AC-
 QMS document at the time this test was
 conducted.

VERIFICATION DATE April 16th 2025
 CAL. FREQUENCY Annual
 CAL. DUE DATE April 2026

PROGRAMMING PARAMETERS

DIAMETER (DN) mm 200
 F.S. FLOW - MAG LPS n/a
 F.S. RANGE - O/P LPS 60.000
 TUBE CAL. FACTOR 0956005409440005

FORWARD TOTALIZER INFORMATION

AS FOUND 1064467 M3
 AS LEFT 1064503 M3
 DIFFERENCE 36 M3

TEST CRITERIA

AS FOUND CERTIFICATION TEST Yes
 FORWARD FLOW DIRECTION Yes
 ALLOWABLE [%] ERROR 5

COMPONENTS TESTED

CONVERTER DISPLAY Yes
 mA OUTPUT Yes
 TOTALIZER Yes
 ACCURACY BASED ON [% o.r.] Yes
 ERROR DOCUMENTED IN THIS REPORT; BASED ON % o.r.

VERIFICATOR CAL. FACTOR 1000015010000000
 [16-digits]

FLOW TUBE SIMULATION

	0	3	10	30	ft/s
DISPLAY	0.00	3.00	10.00	30.00	ft/s
MUT Reading	0.00	3.00	10.00	30.00	ft/s
MUT % Error	n/a	0.00	0.00	0.00	%
mA OUTPUT	4.000	5.600	9.333	20.000	mA
MUT Reading	4 mA	5.595	9.330	19.997	mA
MUT % Error	20 mA	-0.09	-0.04	-0.02	%
TOTALIZER				30.00	ft/s
TEST Accumulation				3000.00	ft
TIME				100.28	seconds
CALC. Velocity				29.92	ft/s
% Error				-0.28	%

QUALITY MANAGEMENT STANDARDS INFO.

[QMS] INFORMATION IDENT. ID #
 [REFERENCE] FTS ROS 1
 PROCESS METER DMM 1
 ANALOG METER AM N/A
 STOP WATCH SW Yes

*All values are for "As Found" values.

COMMENTS

RESULTS

TEST	AVG % o.r.	PASS FAIL
DISPLAY	0.00	PASS
mA OUTPUT	-0.05	PASS
TOTALIZER	-0.28	PASS

This report reflects the test results of the overall accuracy for the above flow converter using the specified manufacturers flow tube simulator to within the specified tolerance as identified within this report.

AS FOUND CERTIFICATION

PASS

CLIENT DETAIL

CUSTOMER OCWA Southwest Middlesex
CONTACT Sam Smith
Senior Operations Manager
2101 Old Lakeshore Rd
Brights Grove ON N0N 1C0
P:519-768-9925
C:226-377-1540
E:ssmith@ocwa.com

EQUIPMENT DETAIL

[MUT] MANUFACTURER Pulsar
MODEL FlowCERT
CONVERTER SERIAL NUMBER 323205

PLANT ID West Lorne Pollution Control Plant
METER ID Effluent Flow Meter
FIT ID N/A
CLIENT TAG OCWA# Not Assigned
OTHER ORG# 5526
GPS COORDINATES N42 35.162 W081 35.77

VER. BY - FM Daniel Kettlewell

Quality Management Standards Information -
Reference equipment and instrumentation used to
conduct this verification test is found in our AC-
QMS document at the time this test was
conducted.

VERIFICATION DATE April 16th 2025
CAL. FREQUENCY Annual
CAL. DUE DATE April 2026

PROGRAMMING PARAMETERS

NOTCH ANGLE (φ)	inches	90
EMPTY DISTANCE, TX to notch	m	0.558
TRANSDUCER (TX), to sump flc	m	1.082
SUMP LEVEL, zero flow	m	0.575
MAX. HEAD	m	0.238
BLANKING DISTANCE	m	0.000
DEAD ZONE	m	0.320
MAX. FLOW	LPS	38.1
F.S. RANGE - O/P	LPS	38.0

TOTALIZER

AS FOUND	8639963	LITER
AS LEFT	8643926	LITER
DIFFERENCE	3963	LITER

TEST CRITERIA

AS FOUND CERTIFICATION TEST	Yes
ALLOWABLE [%] ERROR	5

COMPONENTS TESTED

CONVERTER DISPLAY	yes
mA OUTPUT	yes
TOTALIZER	yes
ACCURACY BASED ON [% o.r.]	yes

Ultrasonic sensor installed to ensure full scale flow condition

ERROR DOCUMENTED IN THIS REPORT; BASED ON % o.r.

AS FOUND TEST RESULTS

		0.0	11.4	31.5	64.7	73.1	% F.S. Range
		0.000	0.100	0.150	0.200	0.210	m
REF. FLOW RATE		0.00	4.36	12.03	24.69	27.89	LPS
MUT [Reading]				11.94	25.08	28.94	LPS
MUT [Difference]				-0.09	0.39	1.05	LPS
MUT [% Error]				-0.7	1.6	3.8	%
mA OUTPUT		4.000	5.831	9.046	14.357	15.701	mA
MUT [Reading]	min. 4.000 mA			8.975	14.892	15.832	mA
MUT [Difference]	max. 20.000 mA			-0.071	0.535	0.131	mA
MUT [% Error]				-0.78	3.72	0.83	%
TOTALIZER - REF. FLOW RATE						27.889	LPS
TOTALIZER [MUT]						1893	LITER
TEST TIME						68.25	SECONDS
CALC. TOTALIZER						1903.400	LITER
ERROR						-0.55	%

COMMENTS

Could not test the first two points due to
process fluid level

QUALITY MANAGEMENT STANDARDS INFO.

[QMS] INFORMATION	IDENT.	ID #
[REFERENCE] LEVEL	Sim. BOARD	Yes
PROCESS METER	PM	0
STOP WATCH	SW	Yes

RESULTS

TEST	AVG % o.r.	PASS FAIL
DISPLAY	1.55	PASS
mA OUTPUT	1.26	PASS
TOTALIZER	-0.55	PASS

This report reflects the test results of the overall accuracy for the above flow converter using the specified manufacturers flow tube simulator to within the specified tolerance as identified within this report.

APPENDIX D

Work Order Schedule

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4298371	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	1/1/25 12:00 AM	1/2/25 10:45 AM	1/2/25 10:45 AM	Tested -Set off multiple alarms on SCADA system and ensured alarm dialler calls out.
4298748	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	1/1/25 12:00 AM	1/12/25 01:04 PM	1/12/25 01:04 PM	Completed -Generator ran during power outage on the 3rd of January. Run time was recorded.
4298774	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	1/1/25 12:00 AM	2/28/25 09:51 AM	2/28/25 09:51 AM	Completed - Ran generator and recorded data on QEMS sheet.
4299160	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	1/1/25 12:00 AM	1/2/25 10:45 AM	1/2/25 10:45 AM	No UV -No UV at this time.
4299199	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	1/1/25 12:00 AM	1/12/25 01:05 PM	1/12/25 01:05 PM	Completed - Building grounds maintained. Indoor fixtures and cleanliness maintained.
4300068	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	HEALTH AND SAFETY	1	YEARS	Lifting Device Insp Route (1y) - 5526	CLOSE	1/1/25 12:00 AM	2/27/25 08:28 AM	4/28/25 01:42 PM	Kone Cranes -Kone Cranes was on site this month to complete inspections of all lifting devices at each facility.
4312046	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	1/1/25 12:00 AM	1/27/25 09:10 AM	1/27/25 09:10 AM	Completed - Basic checks and maintenance completed.
4312048	0000334503	BLOWER POSITIVE DISPLACEMENT B101 AERATION BLOWER RM	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Blower B101 Aeration Insp/Service (1y) - 5526	CLOSE	1/1/25 12:00 AM	1/27/25 09:09 AM	1/27/25 09:09 AM	Running Checks - Oil changes and inspections were completed prior to work order release date. Running checks completed. Blowers are rotated regularly.
4312053	0000334505	BLOWER POSITIVE DISPLACEMENT B102 AERATION BLOWER RM	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Blower B102 Aeration Insp/Service (1y) - 5526	CLOSE	1/1/25 12:00 AM	1/27/25 09:08 AM	1/27/25 09:08 AM	Running Checks - Oil changes and inspections were completed prior to work order release date. Running checks were completed.
4312058	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	1/1/25 12:00 AM	1/27/25 09:03 AM	1/27/25 09:03 AM	Running Checks - Running checks were completed by adjusting set points.

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4312072	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	1/1/25 12:00 AM	1/27/25 09:01 AM	1/27/25 09:01 AM	Completed -Completed work to relieve moisture.
4312180	0000334501	BLOWER POSITIVE DISPLACEMENT B100 AERATION BLOWER RM	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Blower B100 Aeration Insp/Service (1y) - 5526	CLOSE	1/1/25 12:00 AM	1/27/25 09:02 AM	1/27/25 09:02 AM	Completed - Oil changes and inspections were completed before work order release date.
4323326	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	1/1/25 12:00 AM	1/16/25 08:40 AM	1/16/25 08:40 AM	maintenance -Maintenance procedure was recently completed for the tank by qualified technician.
4324930	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	Inspection	6	MONTHS	Portable Gas Detector Inspection/ Calibration (3m) - 5526	CLOSE	1/1/25 12:00 AM	2/27/25 08:48 AM	2/27/25 08:48 AM	Bump Test completed -Completed bump test of device using required gas canister. Confirmed device said bump test pass.
4333618	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	1/6/25 12:00 AM	1/16/25 08:39 AM	1/16/25 08:39 AM	Call backs -Confirmed auto dialler functions with call backs as well as manually setting off alarms and testing to ensure proper function.
4351964	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	2/1/25 12:00 AM	2/28/25 09:44 AM	2/28/25 09:44 AM	Completed -Alarms were sent out during the month for multiple failures and ran as expected.
4352283	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	2/1/25 12:00 AM	2/12/25 03:31 PM	2/12/25 03:31 PM	- Completed engine test; operating as normal.
4352302	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	2/1/25 12:00 AM	2/28/25 09:45 AM	2/28/25 09:45 AM	Power Outage -A power outage occurred during the month and the generator ran as expected. All data was recorded on the Generator Operating Record QEMS Form.
4352657	0000336269	PUMP DIAPHRAGM 01 ALUM DOSING CHEMICAL RM	5526, West Lorne WWTF Chemical	PM	Refurbish/ Replace/Repair	3	MONTHS	Pump Diaphragm 01 Insp/Service (3m) - 5526	CLOSE	2/1/25 12:00 AM	2/28/25 09:48 AM	2/28/25 09:48 AM	calibrated -Running checks of pump were completed. A draw down was completed in calibration mode to ensure proper dosage.

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4352683	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	2/1/25 12:00 AM	2/6/25 08:05 AM	2/6/25 08:05 AM	No UV -No UV currently in place during the freezing period.
4352724	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	2/1/25 12:00 AM	2/28/25 09:47 AM	2/28/25 09:47 AM	Maintained -Facility cleanliness was kept up with (garbage, sweep, mop, etc) Plowing, shoveling, salting, etc. All repairs made as needed.
4353586	0000123549	SEPERATOR GRIT CYCLONE GRIT RM	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Separator Grit Cyclone Insp/Service (1y) - 5526	CLOSE	2/1/25 12:00 AM	2/12/25 02:42 PM	2/12/25 02:42 PM	-Visually inspected in service; no issues observed.
4362124	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	2/1/25 12:00 AM	2/28/25 09:48 AM	2/28/25 09:48 AM	Running Checks - Running checks of probes completed and compared with portable DO probe readings. Basic maintenance is scheduled as required.
4362126	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	2/1/25 12:00 AM	2/12/25 02:41 PM	2/12/25 02:41 PM	- Completed running checks; no issues observed.
4362140	0000334531	ANALYZER GAS AIC 101 MONITOR TANKS AREA	5526, West Lorne WWTF Instrumentation	PM	Refurbish/ Replace/Repair	6	MONTHS	Analyzer Gas Insp/Service (6m) - 5526	CLOSE	2/1/25 12:00 AM	2/28/25 09:50 AM	4/28/25 01:45 PM	- Completed -HETEK was on site to complete inspections for these devices and confirmed all functions were running as intended
4362144	0000334543	TANK PROCESS 01 CLARIFIER EAST SCUM THROUGH	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Process Clarifier East Insp/ Service (1y) - 5526	CLOSE	2/1/25 12:00 AM	4/28/25 01:48 PM	4/28/25 01:48 PM	Cleaned -Confirmed that the tank has been drained, inspected, and cleaned as required within the last 12 months
4362147	0000334544	TANK PROCESS 02 CLARIFIER WEST SCUM THROUGH	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Process Clarifier West Insp/ Service (1y) - 5526	CLOSE	2/1/25 12:00 AM	2/12/25 02:37 PM	2/12/25 02:37 PM	- Workorder was completed in the summer of 2024 by Jada Krebs and Kiley Aarsteinsen.
4362150	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	2/1/25 12:00 AM	2/28/25 09:49 AM	2/28/25 09:49 AM	Completed -Air was released and water removed.

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finish	WorkLog Detail
4370018	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	2/1/25 12:00 AM	2/28/25 09:49 AM	3/17/25 09:29 AM	-Running checks completed in February; running but noted significant oil discharge. NCA scheduled for inspection/maintenance, came in March to complete.
4378615	0000315331	PANEL ALARM/DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	2/6/25 12:00 AM	2/12/25 02:34 PM	2/12/25 02:34 PM	- Completed alarm dialer testing.
4396319	0000123533	PANEL ALARM/DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	3/1/25 12:00 AM	3/17/25 08:31 AM	3/17/25 08:31 AM	- Duplicate workorder. Alarms tested already.
4396632	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	3/1/25 12:00 AM	3/17/25 08:10 AM	3/17/25 08:10 AM	- Completed running checks of generator supplying emergency power; no issues observed.
4396651	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	3/1/25 12:00 AM	3/17/25 12:13 PM	3/17/25 12:13 PM	- Completed running checks of generator in operation; no issues observed.
4397049	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	3/1/25 12:00 AM	3/17/25 08:25 AM	3/17/25 08:25 AM	- UV system not currently in use.
4397088	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	3/1/25 12:00 AM	3/17/25 09:38 AM	3/17/25 09:38 AM	- Completed regular maintenance, check/replace lights, garbage, floors, and general miscellaneous duties.
4406489	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	3/1/25 12:00 AM	4/28/25 01:11 PM	4/28/25 01:11 PM	Inspected -Inspected DO readings and noted deficiencies in two probes that. Will order new parts/service as per O&M manual.
4406491	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	3/1/25 12:00 AM	3/17/25 02:22 PM	3/17/25 02:22 PM	- Job plan not for this facility, however, inspected VFD monitors and all readings okay.
4406505	0000334515	TANK STORAGE FILTER BACKWASH FILTER RM	5526, West Lorne WWTF Process	PM	Refurbish/Replace/Repair	6	MONTHS	Backwash Tank Cleaning/inspection 5526	CLOSE	3/1/25 12:00 AM	3/17/25 09:26 AM	3/17/25 09:26 AM	- Completed running checks, tested for alarms, no issues observed.

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4406519	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	3/1/25 12:00 AM	3/17/25 08:51 AM	3/17/25 08:51 AM	- Opened all 3 valves and purged, no issues observed.
4412053	0000315336	ANALYZER PH PORTABLE LABORATORY RM	5526, West Lorne WWTF Instrumentation	PM	Inspection	1	MONTHS	Hand held pH and temperature probe (6M) 5526	CLOSE	3/1/25 12:00 AM	3/17/25 09:30 AM	3/17/25 09:30 AM	Completed -Work order was updated to represent current pH probes being used with job plans specific for the pHC101 probe that has a gel filling and does not require replacement, except requires calibration/ verification before use. These records are already maintained and submitted by operators every month and the work order will represent a proper work history for this probe.
4414781	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	3/1/25 12:00 AM	3/6/25 10:46 AM	3/6/25 10:46 AM	- Inspected compressor during operation, noted an oil leak. Service requested.
4424630	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	3/6/25 12:00 AM	3/17/25 08:29 AM	3/17/25 08:29 AM	-Completed alarm dialer testing, no issues observed.
4424709	0000336267	ANALYZER DO PORTABLE LABORATORY RM	5526, West Lorne WWTF Instrumentation	PM	Inspection	1	YEARS	ANALYZER DO PORTABLE SENSOR REPLACEMNT (1y)	CLOSE	3/6/25 12:00 AM	3/17/25 09:30 AM	3/17/25 09:30 AM	DO CAP replaced -Replaced the DO cap per the O&M manual.
4424858	0000336268	ANALYZER PH PORTABLE LABORATORY RM	5526, West Lorne WWTF Instrumentation	PM	Inspection	1	MONTHS	Analyzer pH Portable (1M) - 5526	CLOSE	3/7/25 12:00 AM	3/7/25 08:37 AM	3/7/25 08:37 AM	Completed -Work order was generated to represent the current pHC101 probes being used by staff. A monthly calibration sheet is filled out and the probe has passed successfully each time.
4427596			5526, West Lorne WWTF	PM	Compliance	1	YEARS	Annual Performance Report (due March 30)- (1y) 5526	CLOSE	3/22/25 12:00 AM	3/31/25 08:35 AM	3/31/25 08:35 AM	- Completed report and emailed March 28th
4444441	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	4/1/25 12:00 AM	4/28/25 01:12 PM	4/28/25 01:12 PM	Successful -Alarm dialler has successfully called out this month for alarms and does not need to be tested.

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4444796	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	4/1/25 12:00 AM	4/28/25 01:13 PM	4/28/25 01:13 PM	Inspected -Generator has run during after hours power outages and data was recorded as necessary. Inspected generator to ensure all operations are normal.
4444815	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	4/1/25 12:00 AM	4/28/25 01:15 PM	4/28/25 01:15 PM	Inspected -Generator has run during after hours power outages. Inspected generator after to confirm all processes normal.
4445190	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	4/1/25 12:00 AM	4/28/25 01:21 PM	4/28/25 01:21 PM	Inspected -UV bulbs have been inspected as they have recently been installed. All processes with UV appear normal. Completed basic cleaning of UV channel to ensure disinfection
4445229			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	4/1/25 12:00 AM	4/28/25 01:23 PM	4/28/25 01:23 PM	Upkeep -Basic facility upkeep has been maintained through out the month Floors, bathroom, garbages, etc are all cleaned up. All lighting and HVAC have been adjusted. Grass cutting being done as necessary
4449566	0000123193	ANALYZER GAS 02 QUAD GAS MONITORING SYSTEM ELECTRICAL RM	5526, West Lorne WWTF Instrumentation	PM	Refurbish/ Replace/Repair	6	MONTHS	Analyzer Gas Insp/Service (6m) - 5526	CLOSE	4/1/25 12:00 AM	4/28/25 01:49 PM	4/28/25 01:49 PM	Hetek Onsite -Hetek was on site to complete inspections of the analyzers. Confirmed that all functions are running as intended.
4449581	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	UV Light Effluent Insp/Service (1y) - 5526	CLOSE	4/1/25 12:00 AM	4/28/25 01:50 PM	4/28/25 01:50 PM	Inspected -UV lights were inspected as a part of the non freezing period installation. All functions working.
4457369			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	4/1/25 12:00 AM	4/28/25 01:27 PM	4/28/25 01:27 PM	Inspected -Probes were inspected as per O&M manual and two probes are awaiting replacement/maintenance

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4457371			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	4/1/25 12:00 AM	4/28/25 01:28 PM	4/28/25 01:28 PM	Inspected -Vfd functions has been inspected per O&M manual. All functions are working.
4457385			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	4/1/25 12:00 AM	4/28/25 01:36 PM	4/28/25 01:36 PM	Completed -Air line blow offs are completed regularly during facility rounds and readings. Confirmed little air in the lines at this time.
4468373	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	4/1/25 12:00 AM	4/28/25 01:33 PM	4/28/25 01:33 PM	Completed -Air compressor inspections are completed as part of facility walkthrough and rounds. Confirmed through out the month that compressor is running as intended with no issues
4470541	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	Inspection	6	MONTHS	Portable Gas Detector Inspection/ Calibration (3m) - 5526	CLOSE	4/1/25 12:00 AM	4/28/25 01:52 PM	4/28/25 01:52 PM	Bump test -Completed bump test and inspection of analyzer. All functions are working properly
4485412	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	4/6/25 12:00 AM	4/28/25 01:32 PM	4/28/25 01:32 PM	Confirmed -Confirmed that alarms on facility SCADA are sending the signal to the auto dialler channel 2 alarm and that is calling out. Operators have been called after hours successfully this month.
4485615	0000336268	ANALYZER PH PORTABLE LABORATORY RM	5526, West Lorne WWTF Instrumentation	PM	Inspection	1	MONTHS	Analyzer pH Portable (1M) - 5526	CLOSE	4/7/25 12:00 AM	4/28/25 01:31 PM	4/28/25 01:31 PM	Recorded -PH calibrations and verifications have been recorded for the month and pH probe is properly stored when not in use. All functions are working as intended.
4505451	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	5/1/25 12:00 AM	6/12/25 01:21 PM	6/12/25 01:21 PM	Completed - Alarms were set off after hours and confirmed working. As well multipl alarms were set off during basic maintenance and operation of facility (power failure, high level alarms, equipment failure alarms, etc)

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finish	WorkLog Detail
4505764	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	5/1/25 12:00 AM	6/12/25 01:27 PM	6/12/25 01:27 PM	Completed - Engine tests were not completed during the month due to scheduling issues. Inspections were completed and all equipment appears in optimal shape
4505783	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	5/1/25 12:00 AM	6/12/25 01:28 PM	6/12/25 01:28 PM	Completed - Engine tests were not completed during the month due to scheduling issues. Inspections were completed and all equipment appears in optimal shape
4506138	0000336269	PUMP DIAPHRAGM 01 ALUM DOSING CHEMICAL RM	5526, West Lorne WWTF Chemical	PM	Refurbish/ Replace/Repair	3	MONTHS	Pump Diaphragm 01 Insp/Service (3m) - 5526	CLOSE	5/1/25 12:00 AM	6/23/25 08:46 AM	6/23/25 08:46 AM	Completed -Drip tests and draw downs completed to ensure proper calibration of pump. Pump head in good shape.
4506164	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	5/1/25 12:00 AM	6/12/25 01:29 PM	6/12/25 01:29 PM	Completed - UV bulbs and channel were frequently cleaned and inspected to ensure proper operation.
4506203			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	5/1/25 12:00 AM	6/12/25 01:30 PM	6/12/25 01:30 PM	Completed - Grass cut, garbage removed, grounds cleaned, floors cleaned, bathrooms cleaned, etc.
4506256			5526, West Lorne WWTF	PM	HEALTH AND SAFETY	1	YEARS	OHSA Inspection & Report West Lorne (1y) 5526	CLOSE	5/1/25 12:00 AM	7/14/25 08:46 AM	7/14/25 08:46 AM	Completed -Completed annual H/S walkthrough.
4512056	0000334540	PUMP CENT P107 RAS/WAS WEST CLARIFIER	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Submersible P107 Ras-WAS Insp/Service (1y) - 5526	CLOSE	5/1/25 12:00 AM	7/14/25 08:54 AM	7/14/25 08:54 AM	Down -Working with nevtro as pump is down and needs repair.
4512065	0000334538	PUMP SUBMERSIBLE P105 RAS/WAS TANKS AREA	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Submersible P105 Ras-WAS Insp/Service (1y) - 5526	CLOSE	5/1/25 12:00 AM	7/14/25 08:50 AM	7/14/25 08:50 AM	Inspections Completed -Inspections of the pump were completed. Current operations dont allow for pulling and full service as we are heavily decanting at this time and other RAS pumps are down.

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4512074	0000334537	PUMP SUBMERSIBLE P106 RAS/WAS TANKS AREA	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Submersible P106 Ras-WAS Insp/Service (1y) - 5526	CLOSE	5/1/25 12:00 AM	7/14/25 08:53 AM	7/14/25 08:53 AM	Down -Working with Nevtro for pump repair as it is currently down.
4516204			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	5/1/25 12:00 AM	6/12/25 01:31 PM	6/12/25 01:31 PM	Inspected -DO probes inspected and calibrations/replacement parts scheduled for order.
4516206			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	5/1/25 12:00 AM	6/12/25 01:31 PM	6/12/25 01:31 PM	Completed -Operations of VFD inspected.
4516209	0000334539	PUMP CENT P108 RAS/WAS WEST CLARIFIER	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Submersible P108 West Clarifier Insp/Service (1y) - 5526	CLOSE	5/1/25 12:00 AM	7/14/25 08:52 AM	7/14/25 08:52 AM	Inspected -Inspected pump. Unable to fully service as lagoon is heavily decanting and other pumps are down.
4516229			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	5/1/25 12:00 AM	6/12/25 01:34 PM	6/12/25 01:34 PM	Opened -Valves opened regularly during operation to release water from lines.
4525401	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	5/1/25 12:00 AM	6/12/25 01:33 PM	6/12/25 01:33 PM	Compressor Inspected -Inspected during daily checks of facilities and maintenance completed as required.
4551707	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	5/6/25 12:00 AM	6/12/25 01:35 PM	6/12/25 01:35 PM	Tested -Alarms were tested and confirmed during the month from call backs, operations, and maintenance at plant.
4551871	0000336268	ANALYZER PH PORTABLE LABORATORY RM	5526, West Lorne WWTF Instrumentation	PM	Inspection	1	MONTHS	Analyzer pH Portable (1M) - 5526	CLOSE	5/7/25 12:00 AM	6/12/25 01:37 PM	6/12/25 01:37 PM	Verifications -Verifications and calibrations completed and recorded on QEMS sheet.
4571881	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	6/1/25 12:00 AM	6/23/25 08:37 AM	6/23/25 08:37 AM	Tested -Alarms tested and all functions work. Answering service receives call and operator is notified.
4572194	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	6/1/25 12:00 AM	6/23/25 08:35 AM	6/23/25 08:35 AM	Tested -Generator was switched over to emergency power at the transfer panel. Results were recorded on QEMS sheet.

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4572213	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	6/1/25 12:00 AM	6/30/25 01:51 PM	6/30/25 01:51 PM	Completed -Generator was run during the month. Data was recorded on the QEMS sheet.
4572645	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	6/1/25 12:00 AM	6/30/25 01:52 PM	6/30/25 01:52 PM	Completed - Uv bulbs were pulled and cleaned. Inspected multiple times during the month
4572705			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	6/1/25 12:00 AM	6/23/25 08:37 AM	6/23/25 08:37 AM	Maintained -Garbages, grass, floors, etc all kept up. Minor repair to roof vent.
4575785	0000334521	PUMP CENT P110 EFFLUENT (HYDRANT) FILTER RM	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Cent 110 Effluent Insp/ Service (1y) - 5526	CLOSE	6/1/25 12:00 AM	8/8/25 08:40 AM	8/8/25 08:40 AM	Running Checks -Ran Pump in hand - Motor Burnt
4575788	0000334522	PUMP CENT P120 EFFLUENT (FOAM CONTROL) FILTER RM	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Cent P120 Foam Control Insp/ Service (1y) - 5526	CLOSE	6/1/25 12:00 AM	8/8/25 08:47 AM	8/8/25 08:47 AM	Running Checks -Complete Running check - functional
4577408	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Refurbish/ Replace/Repair	1	YEARS	Engine Diesel Stand-By Plant Insp/ Service (1y) - 5526	CLOSE	6/1/25 12:00 AM	6/23/25 08:49 AM	6/23/25 08:49 AM	Tested -Generator testing was completed using transfer switch and all data was recorded on QEMS sheet.
4577452	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Refurbish/ Replace/Repair	1	YEARS	Engine Diesel Stand-By Life Station Insp/Service (1y) - 5526	CLOSE	6/1/25 12:00 AM	8/8/25 08:29 AM	8/8/25 08:29 AM	Alberts Generator -Alberts Generator - Annual service/ inspection - July 31/2025
4584374			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	6/1/25 12:00 AM	6/30/25 02:19 PM	6/30/25 02:19 PM	Completed cleaning -Probe cleaning was completed during the month.
4584376			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	6/1/25 12:00 AM	6/23/25 08:38 AM	6/23/25 08:38 AM	Inspected -Inspected VFD and works as intended. No abnormalities to function. Blower 3 running as intended.

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4584379			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	YEARS	Fan Route Insp/Service (1y) 5526	CLOSE	6/1/25 12:00 AM	6/23/25 08:56 AM	6/23/25 08:56 AM	Inspected -Working as intended. No further maintenance required.
4584382			5526, West Lorne WWTF	PM	Inspection	1	YEARS	Filter Sand Inspection (1y) 5526	CLOSE	6/1/25 12:00 AM	7/14/25 08:56 AM	7/14/25 08:56 AM	Maintainence Complete -Maintenance has been completed on sand filters to ensure proper flow and function through inlet, sand washer, etc. Only limitations are flow rate from decant and algae from decant. All processes are normal.
4584387	0000334520	PUMP CENT P109 EFFLUENT (GRIT) FILTER RM	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Cent 109 Effluent Insp/ Service (1y) - 5526	CLOSE	6/1/25 12:00 AM	8/8/25 08:57 AM	8/8/25 08:57 AM	Running Checks -Running Checks - Pump Functional
4584401			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	6/1/25 12:00 AM	6/30/25 02:06 PM	6/30/25 02:06 PM	Blew off -Blew off lines during regular maintenance to the plant
4593753	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	6/1/25 12:00 AM	6/30/25 01:57 PM	6/30/25 01:57 PM	Completed -Air compressor was inspected during facility rounds. NCA was on-site to complete corrective maintenance on the compressor during the month.
4604838	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	6/6/25 12:00 AM	6/30/25 02:00 PM	6/30/25 02:00 PM	Alarms Tested -Callouts for the alarm dialer were received during the month of June. Confirmed that callouts were made to operators on call from the answering service.
4604963	0000336268	ANALYZER PH PORTABLE LABORATORY RM	5526, West Lorne WWTF Instrumentation	PM	Inspection	1	MONTHS	Analyzer pH Portable (1M) - 5526	CLOSE	6/7/25 12:00 AM	6/30/25 01:53 PM	6/30/25 01:53 PM	Completed -pH probe was calibrated and verified throughout the month of June. Data was recorded on the verification sheet.
4633842	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	7/1/25 12:00 AM	7/21/25 07:46 AM	7/21/25 07:46 AM	Completed -Alarms were tested and confirmed that they call out as intended.
4634199	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	7/2/25 12:00 AM	7/31/25 08:44 AM	7/31/25 08:44 AM	Alberts Generator -Alberts Generator on site for yearly generator testing.

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4634218	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	7/2/25 12:00 AM	7/31/25 08:41 AM	7/31/25 08:41 AM	Alberts Generator -Alberts Generator on-site to complete yearly inspection.
4634597	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	7/2/25 12:00 AM	7/21/25 07:49 AM	7/21/25 07:49 AM	UV Cleaned -UV lights were cleaned as needed through out the month.
4634636			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	7/2/25 12:00 AM	7/21/25 07:58 AM	7/21/25 07:58 AM	Building and Grounds -Completed garbage removal, sweeping, mopping, grass cutting.
4639438	0000164709	VALVE BACKFLOW PREVENTER PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Refurbish/ Replace/Repair	1	YEARS	Valve Backflow Preventer Insp (1y) - 5526	CLOSE	7/2/25 12:00 AM	7/21/25 07:55 AM	7/21/25 07:55 AM	Completed -Keith Douglas was on-site to complete testing.
4641676			5526, West Lorne WWTF	PM	Inspection	1	YEARS	Heat Trace Inspection (1y) 5526	CLOSE	7/2/25 12:00 AM	8/8/25 09:23 AM	8/8/25 09:23 AM	Annual -Check heat trace - Working
4641684	0000334523	METER LEVEL LIT-101 BACKWASH TANK FILTER RM	5526, West Lorne WWTF Instrumentation	PM	Calibration	1	YEARS	Transmitter Level Service (1y) - 5526	CLOSE	7/2/25 12:00 AM	8/8/25 09:17 AM	8/8/25 09:17 AM	Annual Service -Annual Completed by Flow Metrics - April 2025
4648466			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	7/2/25 12:00 AM	7/21/25 07:54 AM	7/21/25 07:54 AM	Completed -Completed DO inspections. Ordered new sensor caps after getting quote approval.
4648477			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	7/2/25 12:00 AM	7/14/25 10:05 AM	7/14/25 10:05 AM	Inspected -Completed VFD inspectipn.
4648554			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	7/2/25 12:00 AM	7/14/25 10:01 AM	7/14/25 10:01 AM	Completed -Released moisture build up from air lines.
4657312	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	7/3/25 12:00 AM	7/14/25 09:58 AM	7/14/25 09:58 AM	Inspected -Inspected air compressor. Found all operations normal.
4658598	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	Inspection	6	MONTHS	Portable Gas Detector Inspection/ Calibration (3m) - 5526	CLOSE	7/4/25 12:00 AM	7/21/25 07:52 AM	7/21/25 07:52 AM	Tested -Completed a bump test per O&M manual.
4659829	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	7/6/25 12:00 AM	7/14/25 09:53 AM	7/14/25 09:53 AM	Completed -Completed monthly alarm panel testing and confirmed function. Recorded alarms teste don sheet.

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4660147	0000336268	ANALYZER PH PORTABLE LABORATORY RM	5526, West Lorne WWTF Instrumentation	PM	Inspection	1	MONTHS	Analyzer pH Portable (1M) - 5526	CLOSE	7/7/25 12:00 AM	7/31/25 08:38 AM	7/31/25 08:38 AM	Calibrated -Calibrated probe throughout the month per device O&M manual and WO plan. Refer to calibration sheet.
4678208	0000123533	PANEL ALARM/DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	8/1/25 12:00 AM	8/14/25 10:40 AM	8/14/25 10:40 AM	Alarms Functional -Work order complete - Alarms Functional - Alarmed out during a Call Back 08/12/25
4678542	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	8/1/25 12:00 AM	9/9/25 09:36 AM	9/9/25 09:36 AM	July 31 -Generator ran July 31 as part of service.
4678561	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	8/1/25 12:00 AM	9/10/25 09:02 AM	9/10/25 09:02 AM	Alberts - Albert's generator was on site July 31 to comple
4678928	0000336269	PUMP DIAPHRAGM 01 ALUM DOSING CHEMICAL RM	5526, West Lorne WWTF Chemical	PM	Refurbish/ Replace/Repair	3	MONTHS	Pump Diaphragm 01 Insp/Service (3m) - 5526	CLOSE	8/1/25 12:00 AM	9/9/25 09:17 AM	9/9/25 09:17 AM	Calibrated -Complete calibration per the O&M Manual of the pump.
4678954	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	8/1/25 12:00 AM	9/9/25 09:19 AM	9/9/25 09:19 AM	Inspected -Inspected bulb functions, clarity, and screen. Swept and cleaned as needed.
4678994			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	8/1/25 12:00 AM	8/14/25 10:57 AM	8/14/25 10:57 AM	Building and Grounds Maintenance -Housekeeping, Grass Mowed
4683623	0000123536	PUMP SUBMERSIBLE P102 RAW SEWAGE PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Submersible P102 Raw Ps-1 Insp/Service (1y) - 5526	CLOSE	8/1/25 12:00 AM	10/6/25 08:11 AM	10/6/25 08:11 AM	Running Checks -Running checks are completed during facility visits and inspections.
4683632	0000123537	PUMP SUBMERSIBLE P101 RAW SEWAGE PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Submersible P101 Raw Ps-1 Insp/Service (1y) - 5526	CLOSE	8/1/25 12:00 AM	10/6/25 08:11 AM	10/6/25 08:11 AM	Inactive -Pump is inactive and awaiting repair or replacement.
4683641	0000123538	PUMP SUBMERSIBLE P100 RAW SEWAGE PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Submersible P100 Ps-1 Insp/ Service (1y) - 5526	CLOSE	8/1/25 12:00 AM	10/6/25 08:10 AM	10/6/25 08:10 AM	Running Checks -Running checks are completed during facility visits and inspections.

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finish	WorkLog Detail
4683651	0000123565	PUMP SUBMERSIBLE 02 SANITARY GRIT RM	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Pump 02 Sanitary Sump Insp/ Service (1y) - 5526	CLOSE	8/1/25 12:00 AM	10/6/25 08:09 AM	10/6/25 08:09 AM	Completed -Pumps were pulled and plumbing fixed earlier in the year.
4683660	0000123566	PUMP SUBMERSIBLE 01 SANITARY GRIT RM	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Submersible 01 Sanitary Sump Insp/Service (1y) - 5526	CLOSE	8/1/25 12:00 AM	10/6/25 08:08 AM	10/6/25 08:08 AM	Completed -Pumps were pulled and plumbing fixed earlier in the year.
4688257			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	8/1/25 12:00 AM	8/14/25 11:23 AM	8/14/25 11:23 AM	DO Probes -Replacement parts on order
4688259			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	8/1/25 12:00 AM	10/6/25 08:07 AM	10/6/25 08:07 AM	Running Checks -Running checks are completed during rounds and readings.
4688262			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	YEARS	Heater Unit Route Inspection/ Service (1y) 5526	CLOSE	8/1/25 12:00 AM	10/6/25 08:06 AM	10/6/25 08:06 AM	Running checks -Running checks of unit completed. Deficiencies noted.
4688270	0000334529	SCREEN SPIRAL CONVEYOR SCR-101 TANKS AREA	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Conveyor Screw Bar Screen Insp/ Service (1y) - 5526	CLOSE	8/1/25 12:00 AM	10/6/25 08:03 AM	10/6/25 08:03 AM	Running Checks - Running checks are completed during operations. Bar screen in need of maintenance as rags/garbage do make their way through the screen into the plant.
4688288	0000334531	ANALYZER GAS AIC 101 MONITOR TANKS AREA	5526, West Lorne WWTF Instrumentation	PM	Refurbish/ Replace/Repair	6	MONTHS	Analyzer Gas Insp/Service (6m) - 5526	CLOSE	8/1/25 12:00 AM	9/9/25 09:21 AM	9/9/25 09:21 AM	Hetek Onsite -Hetek was on-site to complete the service Sept 8 2025
4688292	0000334525	PANEL PLC BARRIER PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Refurbish/ Replace/Repair	1	YEARS	Panel Surge Protection SPS Service (1y) - 5526	CLOSE	8/1/25 12:00 AM	10/6/25 08:02 AM	10/6/25 08:02 AM	running checks -Running checks are completed during facility inspections and rounds.
4688295			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	8/1/25 12:00 AM	10/6/25 08:00 AM	10/6/25 08:00 AM	Blower line -Blower lines were opened to relieve water from them.
4696975	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	8/1/25 12:00 AM	10/6/25 08:00 AM	10/6/25 08:00 AM	Regular Operation -Compressor was inspected during regular operations. Maintenance and run times recorded as required.

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4707592	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	8/6/25 12:00 AM	10/6/25 07:59 AM	10/6/25 07:59 AM	Completed -Alarms were called out and tested during operations/after hours and confirmed dialler and alarms are functioning as intended.
4707763	0000336268	ANALYZER PH PORTABLE LABORATORY RM	5526, West Lorne WWTF Instrumentation	PM	Inspection	1	MONTHS	Analyzer pH Portable (1M) - 5526	CLOSE	8/7/25 12:00 AM	10/6/25 07:58 AM	10/6/25 07:58 AM	Completed -Completed during operations following sampling schedules.
4726886	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	9/1/25 12:00 AM	10/6/25 08:12 AM	10/6/25 08:12 AM	Completed -Alarms were activated during operational hours and after hours. Confirming the dialer works and the answering service calls as needed.
4727222	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	9/1/25 12:00 AM	10/6/25 08:13 AM	10/6/25 08:13 AM	Cannot run generator -Gerber electric on-site to look at generator as it will not start.
4727241	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	9/1/25 12:00 AM	10/6/25 08:14 AM	10/6/25 08:14 AM	Running Checks -Running checks completed as required.
4727645	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	9/1/25 12:00 AM	10/6/25 08:16 AM	10/6/25 08:16 AM	Completed -UV inspected and area cleaned as needed based on operational rounds and inspections.
4727684			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	9/1/25 12:00 AM	10/6/25 08:17 AM	10/6/25 08:17 AM	Completed -Garbage, lights, grass, etc completed as needed throughout the month.
4738720			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	9/1/25 12:00 AM	10/6/25 08:18 AM	10/6/25 08:18 AM	awaiting new caps -New DO caps are needed to run these probes and complete this W.O/ Waiting on delivery.
4738725	0000334524	SCADA COMPUTER COMMUNICATION LABORATORY RM	5526, West Lorne WWTF Electrical	PM	Inspection	1	YEARS	Scada Server Insp/Service (1y) 5526	CLOSE	9/1/25 12:00 AM	10/6/25 08:19 AM	10/6/25 08:19 AM	Completed -Completed checks as needed. Most checks are completed as parts of regular rounds and readings.

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4738740	0000334515	TANK STORAGE FILTER BACKWASH FILTER RM	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	6	MONTHS	Backwash Tank Cleaning/inspection 5526 (6m)	CLOSE	9/1/25 12:00 AM	10/6/25 08:20 AM	10/6/25 08:20 AM	Inspected - Tank inspected as part of regular rounds and readings. Did not find a large enough build up of debris to justify a cleaning.
4738754	0000334528	GRIT CLASSIFIER GCR-101 GRIT RM	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Process Clarifier Grit Insp/ Service (1y) - 5526	CLOSE	9/1/25 12:00 AM	10/6/25 08:22 AM	10/6/25 08:22 AM	System not fully operational -Per AUMA site visit, the valve is not opening and closing for the tank. Will need to be replaced to properly run the grit system.
4738757			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	9/1/25 12:00 AM	10/6/25 08:22 AM	10/6/25 08:22 AM	Blower Lines Opened -Blower lines are opened to flush water out during regular operations/
4738759	0000334527	ACTUATOR ELECTRIC PLG300 SEPARATOR GRIT RM	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Valve Plug Insp. (1y) - 5526	CLOSE	9/1/25 12:00 AM	10/6/25 08:24 AM	10/6/25 08:24 AM	Incompleted -Per AUMA, the valve needs to be repaired/replaced with different type of valve as it isnt ideal for this situation.
4748162	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	9/1/25 12:00 AM	10/6/25 08:25 AM	10/6/25 08:25 AM	Completed -Checks were completed per regulation operations and maintenance.
4759882	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	9/6/25 12:00 AM	10/6/25 08:26 AM	10/6/25 08:26 AM	Completed -Alarms are tested during regular operations. Confirmed all alarms called out as needed. and answering service notifies operations.
4759984	0000336268	ANALYZER PH PORTABLE LABORATORY RM	5526, West Lorne WWTF Instrumentation	PM	Inspection	1	MONTHS	Analyzer pH Portable (1M) - 5526	CLOSE	9/7/25 12:00 AM	10/6/25 08:27 AM	10/6/25 08:27 AM	Completed -pH probes are calibrated per sampling schedule during sample/ testing days.
4779095	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	10/1/25 12:00 AM	10/28/25 07:53 AM	10/28/25 07:53 AM	Various alarms -Various alarms were made throughout the month and called to the answering service. All logged
4779473	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	10/1/25 12:00 AM	10/28/25 07:54 AM	10/28/25 07:54 AM	Completed -after repairs to generator on 10/27/2025 the generator was tested and results recorded.

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finish	WorkLog Detail
4779492	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	10/1/25 12:00 AM	12/4/25 10:41 AM	12/4/25 10:41 AM	
4779872	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	10/1/25 12:00 AM	10/28/25 07:55 AM	10/28/25 07:55 AM	Completed -bulbs are inspected as part of daily O&M rounds. Cleaning is done as needed.
4779911			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	10/1/25 12:00 AM	10/31/25 07:41 AM	10/31/25 07:41 AM	Completed -Completed throughout the month. Grass cut, garbages, etc.
4783971	0000123193	ANALYZER GAS 02 QUAD GAS MONITORING SYSTEM ELECTRICAL RM	5526, West Lorne WWTF Instrumentation	PM	Refurbish/Replace/Repair	6	MONTHS	Analyzer Gas Insp/Service (6m) - 5526	CLOSE	10/1/25 12:00 AM	10/28/25 08:17 AM	10/28/25 08:17 AM	sept 8 2025 -Hetek was on-site september 8 2025 to complete service.
4793126			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	10/1/25 12:00 AM	10/28/25 08:21 AM	10/28/25 08:21 AM	new caps -New caps were installed in the aeration probes on 10/27/2025
4793139			5526, West Lorne WWTF	PM	Refurbish/Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	10/1/25 12:00 AM	10/28/25 08:22 AM	10/28/25 08:22 AM	Completed -air lines are blown off at the aeration tanks weekly as part of regular rounds/readings.
4802387	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	10/1/25 12:00 AM	10/28/25 07:52 AM	10/28/25 07:52 AM	Maintenance needed -Compressor has has basic inspections and work done throughout the month. However it is leaking oil again. This is likely due to overheating in the room with poor exhaust systems.
4814794	0000336283	SAFETY ATMOSPHERE DETECTOR	5526, West Lorne WWTF	PM	Inspection	6	MONTHS	Portable Gas Detector Inspection/Calibration (3m) - 5526	CLOSE	10/4/25 12:00 AM	10/31/25 07:41 AM	10/31/25 07:41 AM	Bump test -Bump test completed. 6 month calibration added to PM for semi annual WO
4815199	0000336268	ANALYZER PH PORTABLE LABORATORY RM	5526, West Lorne WWTF Instrumentation	PM	Inspection	1	MONTHS	Analyzer pH Portable (1M) - 5526	CLOSE	10/7/25 12:00 AM	10/28/25 08:18 AM	10/28/25 08:18 AM	calibrations completed -each sample day the probes are calibrated or verified as needed. All calibrations and verifications have been successful

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4815248	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	10/6/25 12:00 AM	10/28/25 08:20 AM	10/28/25 08:20 AM	alarms -multiple alarms called throughout the month and were logged. All alarms went to answering service and were acknowledged by the operator.
4832618	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	COMP	11/1/25 12:00 AM	1/2/26 07:52 AM	1/2/26 07:52 AM	
4832949	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	11/1/25 12:00 AM	11/13/25 11:23 AM	11/13/25 11:23 AM	-Completed generator test, recorded engine values on operating record. No issues found.
4832968	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	11/1/25 12:00 AM	12/4/25 10:41 AM	12/4/25 10:41 AM	
4833327	0000336269	PUMP DIAPHRAGM 01 ALUM DOSING CHEMICAL RM	5526, West Lorne WWTF Chemical	PM	Refurbish/ Replace/Repair	3	MONTHS	Pump Diaphragm 01 Insp/Service (3m) - 5526	COMP	11/1/25 12:00 AM	1/21/26 08:38 AM	1/21/26 08:38 AM	Inspected -Inspected and completed a calibration. All 100% accurate.
4833368			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	11/1/25 12:00 AM	11/28/25 03:47 PM	11/28/25 03:47 PM	-Closing workorder as month is over. Building and grounds maintenance completed during November.
4838192			5526, West Lorne WWTF	PM	Inspection	1	YEARS	Emergency Generator Trailer Insp/Service (1y) - 5526	CLOSE	11/1/25 12:00 AM	11/27/25 08:26 AM	11/27/25 08:26 AM	
4838218	0000123532	UPS BATTERY BANK PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	YEARS	UPS Insp/Service (1y) - 5526	COMP	11/1/25 12:00 AM	1/21/26 03:58 PM	1/21/26 03:58 PM	Tested -Tested during generator transfer test and reviewed information. Asset good.
4838229	0000336263	PUMP SUBMERSIBLE CP7 SCUM CHAMBER	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Submersible Cp7 Scum Pit Insp/Service (1y) - 5526	COMP	11/1/25 12:00 AM	1/21/26 08:42 AM	1/21/26 08:42 AM	Installed recently -Pump was installed recently.

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4842329			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	11/1/25 12:00 AM	11/13/25 11:25 AM	11/13/25 11:25 AM	-Completed WO, Aeration 1 (East), online DO probe reading 8.0, handheld probe reading 7.93 Aeration 2 (West), online DO probe reading 7.7, handheld probe reading 7.55. Readings in range, no calibrations required. WO completed on 11/12/2025 by Operator Cara McKillop
4842342	0000334513	UPS BATTERY BANK PLC PANEL FILTER RM	5526, West Lorne WWTF Electrical	PM	Inspection	1	YEARS	UPS Insp/Service (1y) - 5526	CLOSE	11/1/25 12:00 AM	12/15/25 10:26 AM	12/15/25 10:26 AM	-Completed UPS test/inspection, no issues to unit observed.
4842353			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	11/1/25 12:00 AM	11/26/25 12:51 PM	11/26/25 12:51 PM	-Opened all valves and purged until all moisture was cleared. No issues. Completed by OIC Cara McKillop.
4850745	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	11/1/25 12:00 AM	12/15/25 09:21 AM	12/15/25 09:21 AM	
4855668	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	UV Light Effluent Shutdown Insp/ Service (1y) - 5526	COMP	11/1/25 12:00 AM	1/21/26 03:59 PM	1/21/26 03:59 PM	Off -Unit is off for the season and removed.
4861140	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	11/6/25 12:00 AM	11/28/25 03:42 PM	11/28/25 03:42 PM	-Completed monthly alarm dialer testing. See dialer testing sheet.
4861297	0000336268	ANALYZER PH PORTABLE LABORATORY RM	5526, West Lorne WWTF Instrumentation	PM	Inspection	1	MONTHS	Analyzer pH Portable (1M) - 5526	CLOSE	11/7/25 12:00 AM	11/13/25 11:25 AM	11/28/25 03:46 PM	-Completed pH prob calibrations during the month with regular use. See pH calibration sheet for details.
4878108	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	COMP	12/1/25 12:00 AM	12/18/25 08:36 AM	3/17/26 09:42 AM	-alarms were tested by previous operator and WO was left open. -Alarm testing completed during the scheduled month, WO closed 03/17/2026 by operator CM.

Workorder Summary Report

Report Start Date: Jan 1, 2025 12:00 AM

Report End Date: Dec 31, 2025 11:59 PM

Location: 5526,5526-SPP1,5526-WWWL,5526-WWWL-BG,5526-WWWL-CH,5526-WWWL-EL,5526-WWWL-HS,5526-WWWL-HV,5526-WWWL-IN,5526-WWWL-PR

Work Order Type: PM

Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4878542	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	COMP	12/1/25 12:00 AM	12/18/25 09:22 AM	12/18/25 09:22 AM	-Completed generator run test. Recorded generator data on operating record sheet. No issues observed.
4879154			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	COMP	12/1/25 12:00 AM	1/6/26 08:41 AM	1/6/26 08:41 AM	-Building and grounds maintenance completed during the month of December with normal activities. Closing WO 01/06/2026 by CM.
4887559			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	COMP	12/1/25 12:00 AM	12/19/25 01:39 PM	12/19/25 01:39 PM	-Completed DO route inspection and compared SCADA values to handheld DO probe, reading within 0.5mg/l difference and acceptable. Cleared buildup of ice/sludge off of probes. No issues.
4887572			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	12/1/25 12:00 AM	12/15/25 10:15 AM	12/15/25 10:15 AM	-Opened butterfly valves and cleared moisture from line. No issues observed.
4895964	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	BUSCOMP	12/1/25 12:00 AM	12/18/25 09:25 AM	12/18/25 09:25 AM	-Completed compressor inspection. Operating PSI 125 Sensor temp 40 F Hours 30401.45
4906868	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	COMP	12/6/25 12:00 AM	1/2/26 07:55 AM	1/2/26 07:55 AM	
4907048	0000336268	ANALYZER PH PORTABLE LABORATORY RM	5526, West Lorne WWTF Instrumentation	PM	Inspection	1	MONTHS	Analyzer pH Portable (1M) - 5526	COMP	12/7/25 12:00 AM	12/15/25 09:20 AM	1/2/26 08:01 AM	