



Ontario Clean Water Agency
Agence Ontarienne Des Eaux

March 28, 2025

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

Attention: Mr. Adrien

RE: West Lorne Wastewater Treatment Plant Annual Report 2024

The Ontario Clean Water Agency is the Operating Authority for the West Lorne Wastewater Treatment Plant on behalf of the Municipality of West Elgin. The system is operated under Environmental Compliance Approval 5873-B4RLEJ. Please find attached the 2024 Annual Report for the West Lorne Wastewater Treatment Plant.

Feel free to contact me should you require any additional information regarding the report. I can be reached at 519-312-0847.

Sincerely,

Terri-Lynn Thomson
Process and Compliance Technician,
Ontario Clean Water Agency

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

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

**2024 ANNUAL REPORT
January 1 to December 31, 2024**

Environmental Compliance Approval # 5873-B4RLEJ

Prepared by:



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

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Section 1: Overview

Overall, the West Lorne Wastewater Treatment Plant provided effective wastewater treatment in 2024. The wastewater treatment plant was operated under Environmental Compliance Approval 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. It 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 Wastewater Treatment Plant 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 Sulphate 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 and then from there it goes to Lake Erie. Sludge is directed to the lagoon for storage and settling. Decant liquid off 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 Mash 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 15,000L plastic tank with 2 diaphragm type metering pumps 1 duty and 1 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 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
- Laboratory space is also located at the WWTP to allow for basic laboratory analyses to be conducted by the plant operator

Section 2: Influent Monitoring Data

Sample Collection and Testing

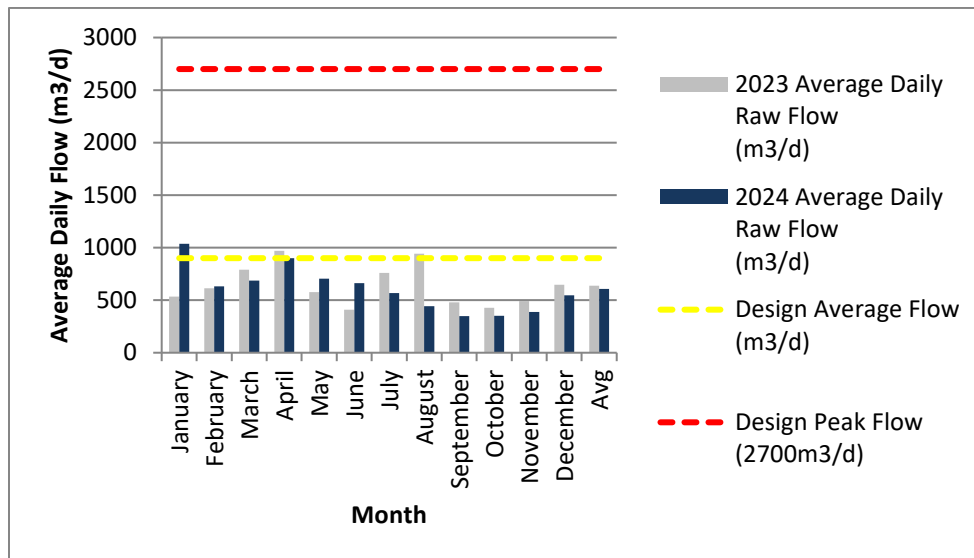
All samples are collected and tested as per the requirements of the Environmental Compliance Approval.

Raw sewage (influent) is sampled bi-weekly and tested for BOD₅, total suspended solids, total phosphorus, total Kjeldahl nitrogen, and alkalinity. The raw samples are collected as 24 hour composite samples.

Flows

The total raw flow directed to the WWTP in 2024 was 221,725m³, which corresponds to a 5% decrease from 2023 raw flows, refer to Chart 1. The annual average daily flow in 2024 was 605.8m³/day, or 67% of the plant's rated design capacity of 900m³/day. Detailed monthly flow information is summarized in Appendix A.

Chart 1. Average daily raw flow for 2024 compared to 2023.

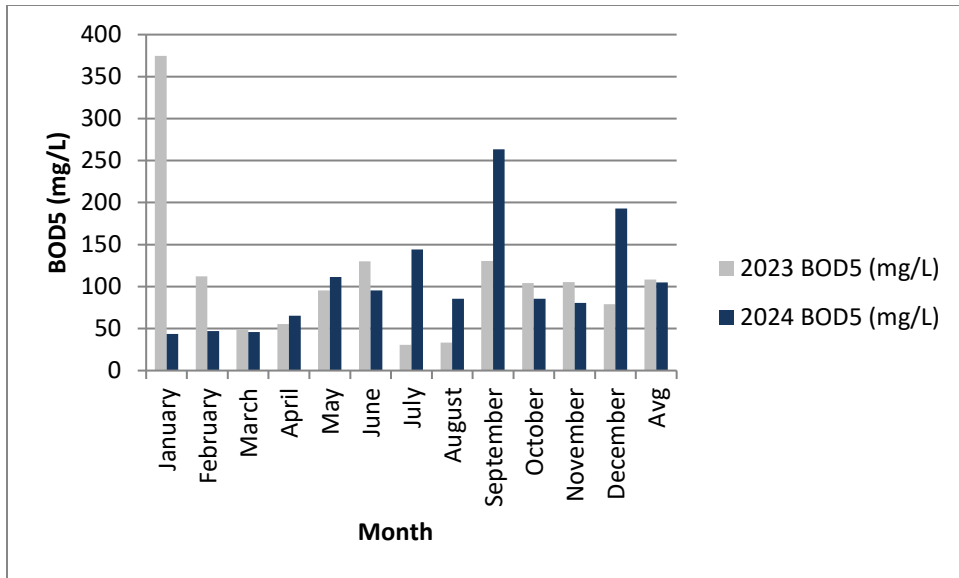


The Annual Average Daily Influent Flow was within the Rated Capacity of the plant.

Raw Sewage Quality

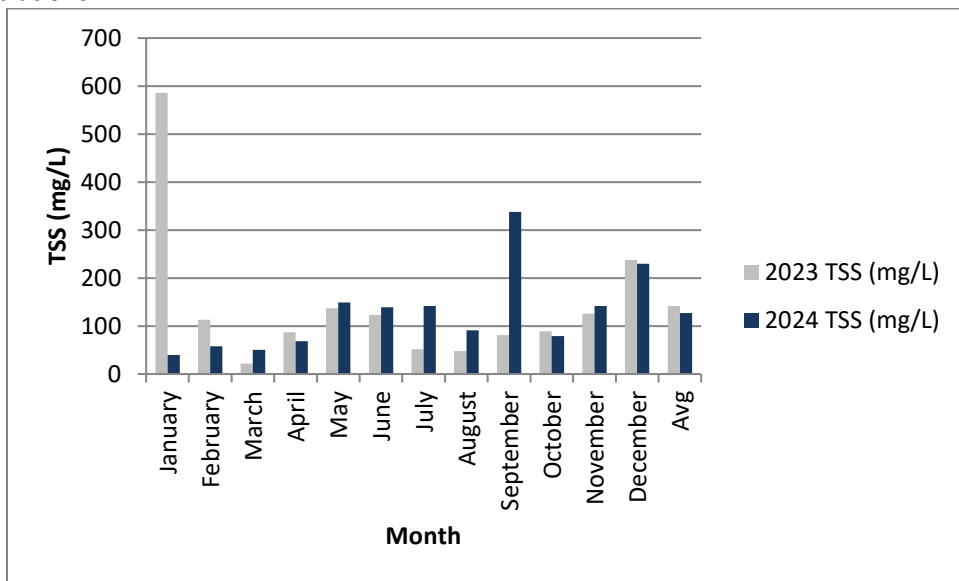
The annual average raw sewage BOD₅ concentration to the plant in 2024 was 105.01mg/L with a maximum average monthly concentration of 263.5mg/L. The average concentration of BOD₅ has decreased 3% from 2023, refer to Chart 3. Refer to Appendix A for detailed analytical data.

Chart 3. Raw sewage average monthly concentration of BOD₅ for 2024 compared to 2023 concentrations.



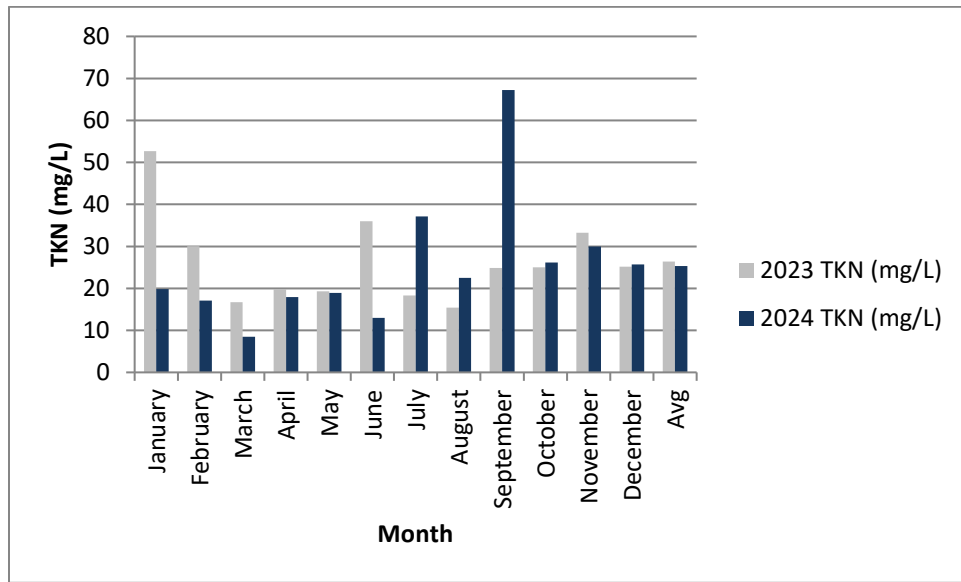
The annual average raw sewage total suspended solids (TSS) concentration to the plant in 2024 was 127.2mg/L, with a maximum average monthly concentration of 337.5mg/L. The average concentration of TSS has decreased 10% from 2023 (refer to Chart 4). Refer to Appendix A for detailed analytical data.

Chart 4. Raw sewage average monthly concentration of TSS for 2024 compared to 2023 concentrations.



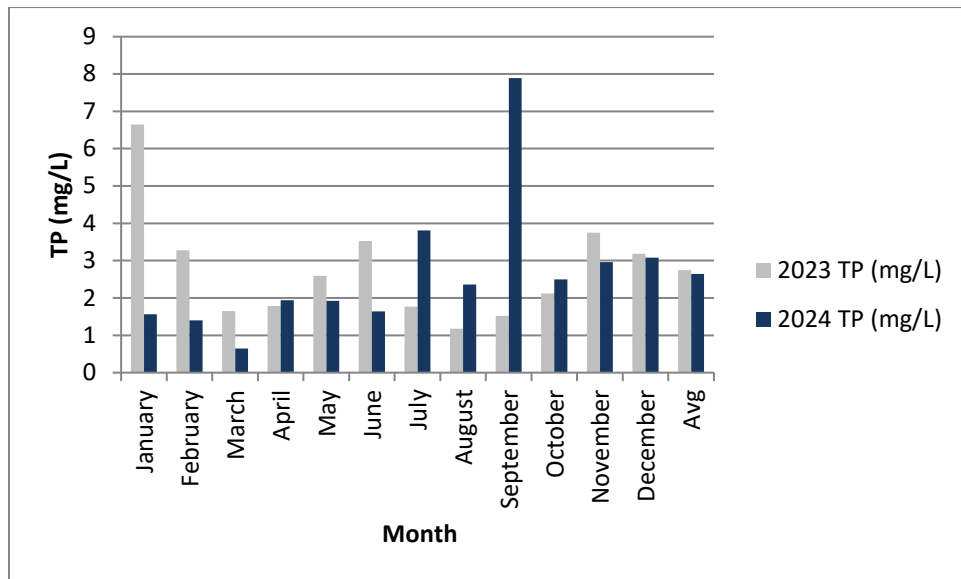
The annual average raw sewage nitrogen concentration (as represented by TKN) to the plant in 2024 was 25.3mg/L with a maximum average monthly concentration of 67.2mg/L. The average concentration of TKN has decreased 4% from 2023 (refer to Chart 5). Refer to Appendix A for detailed analytical data.

Chart 5. Raw sewage average monthly concentration of TKN for 2024 compared to 2023 concentrations.



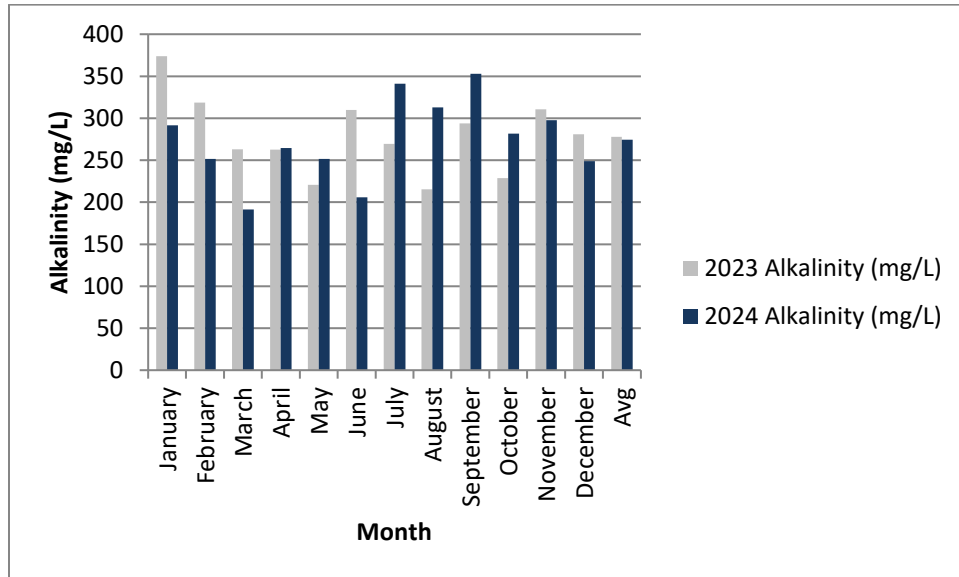
The annual average raw sewage total phosphorus (TP) to the plant in 2024 was 2.64mg/L with a maximum average monthly concentration of 7.89mg/L. The average concentration of TP has decreased 4% from 2023 (refer to Chart 6). Refer to Appendix A for detailed analytical data.

Chart 6. Raw sewage monthly average concentrations of TP for 2024 compared to 2023 concentrations.



The annual average raw sewage alkalinity to the plant in 2024 was 274mg/L with a maximum average monthly concentration of 353mg/L. The annual average alkalinity has decreased 1.4% from 2023 (refer to Chart 7). Refer to Appendix A for detailed analytical data.

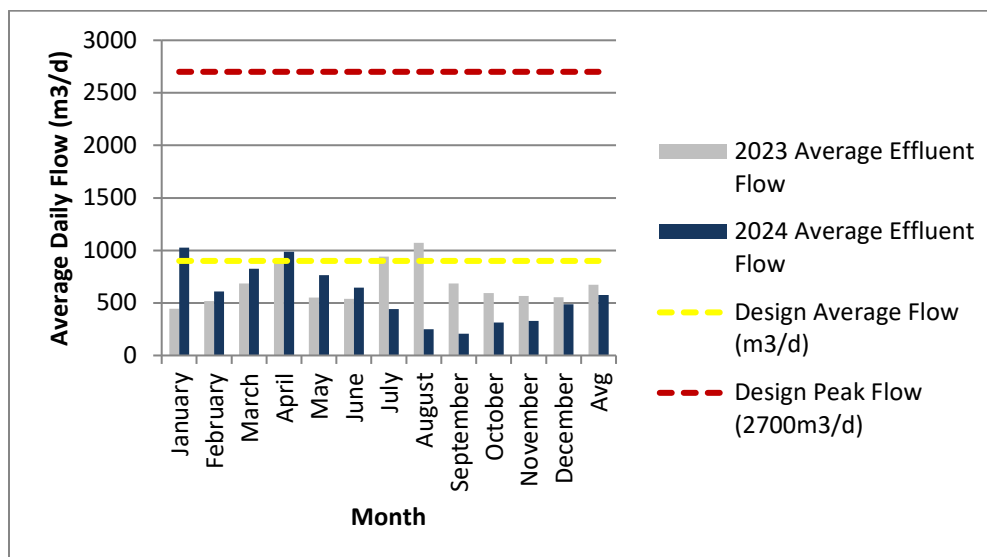
Chart 7. Raw sewage average monthly concentrations of alkalinity for 2024 compared to 2023 concentrations.



Section 3: Effluent Monitoring Data

The total effluent flow treated in 2024 was 210,280m³, which corresponds to a 14.5% decrease from 2023 effluent flows, refer to Chart 8. Detailed monthly flow information is summarized in Appendix A. The decrease in effluent flows reported in 2024 was due to the reduction of decant from the lagoons being re-introduced back to the facility during the reporting period. The decanting from the lagoon was reduced in 2024 due to issues with the pump along with the reduction in plant capacity as a result of the maintenance required on the West Aeration tank.

Chart 8. Average daily effluent flow for 2024 compared to 2023.



Sample Collection and Testing

Final effluent is sampled bi-weekly and tested for CBOD₅, total suspended solids, total phosphorus, free ammonia nitrogen, total Kjeldahl nitrogen, nitrite, nitrate 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.

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 2024, 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

Detailed analytical data is attached to this report as Appendix A. The following table provides a summary of monthly average effluent result ranges and loading ranges compared to the compliance limits in the Environmental Compliance Approval.

Summary and Comparison of Compliance Data

Table 1. Monthly average effluent limits and monthly average loading limits compared to sample results received from the West Lorne WWTP.

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 – 3.4	9	0.42 – 2.85
Total Suspended Solids	10	<2 – 6.6	9	0.497 – 6.74
Total Phosphorus	0.5	0.04 – 0.25	0.45	0.01 – 0.15
Total (Ammonia + Ammonium) Nitrogen	3.0(a)	<0.1 – 3.0	2.7(a)	0.02 – 2.11
	5.0(b)	<0.1 – 0.48	4.5(b)	0.05 – 0.396
E. coli (geomean)	200	3.74 – 120.5		

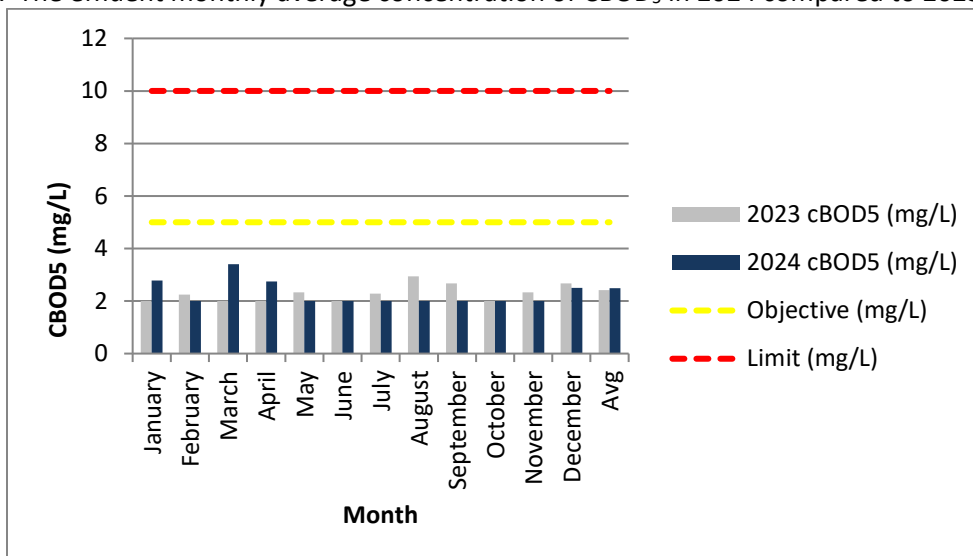
NOTE: (a) limit applies during the non-freezing period May 1 to November 30

(b) limit applies during the freezing period December 1 to April 30

Discussion on Monitoring Data as Compared to the Effluent Limits

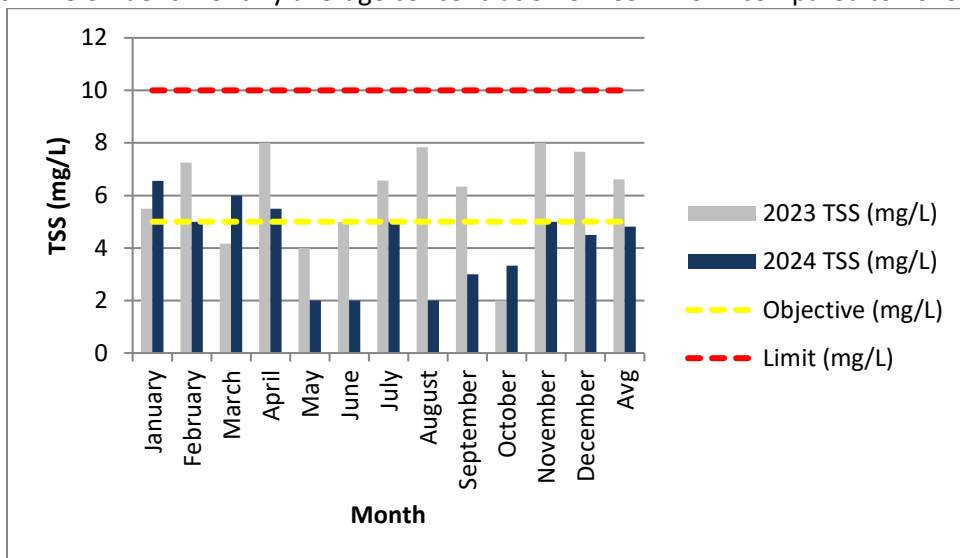
The annual average effluent CBOD₅ in 2024 was 2.49mg/L, which is an increase of 2.9% from 2023 (refer to Chart 9). The annual average loading of CBOD₅ was 1.43kg/d. Refer to Table 1 for a list of monthly average effluent limits and loading limits. The objectives and limits identified in the ECA for cBOD₅ were met in 2024.

Chart 9. The effluent monthly average concentration of CBOD₅ in 2024 compared to 2023.



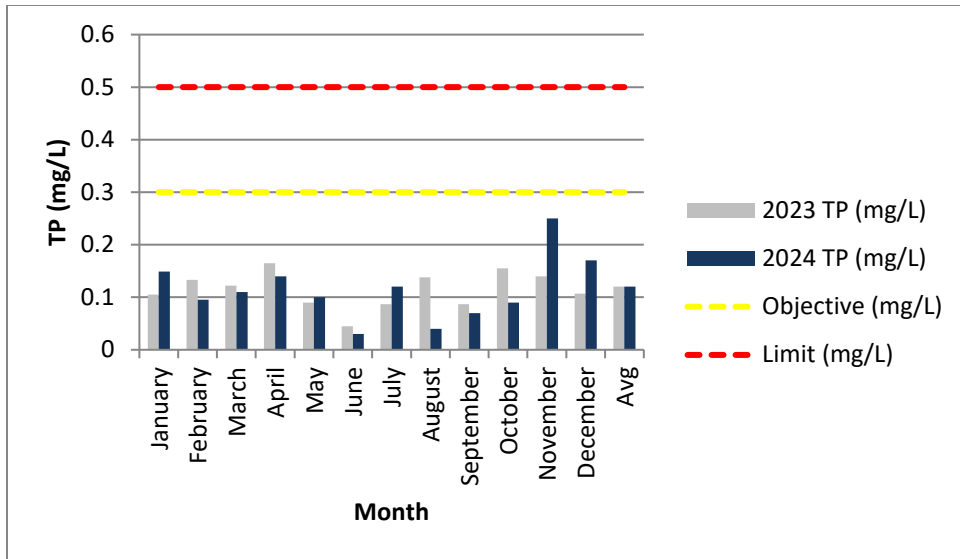
The annual average effluent Total Suspended Solids (TSS) for 2024 was 4.8mg/L, which is a 27% decrease from 2023 (refer to Chart 10). The annual average loading of TSS in 2024 was 2.76kg/d. Refer to Table 1 for a list of monthly average effluent limits and loading limits. The limits identified in the ECA for TSS were met in 2024 however, the TSS objective was exceeded in three out of the twelve months, this is discussed in detail in Table 3.

Chart 10. The effluent monthly average concentration of TSS in 2024 compared to 2023.



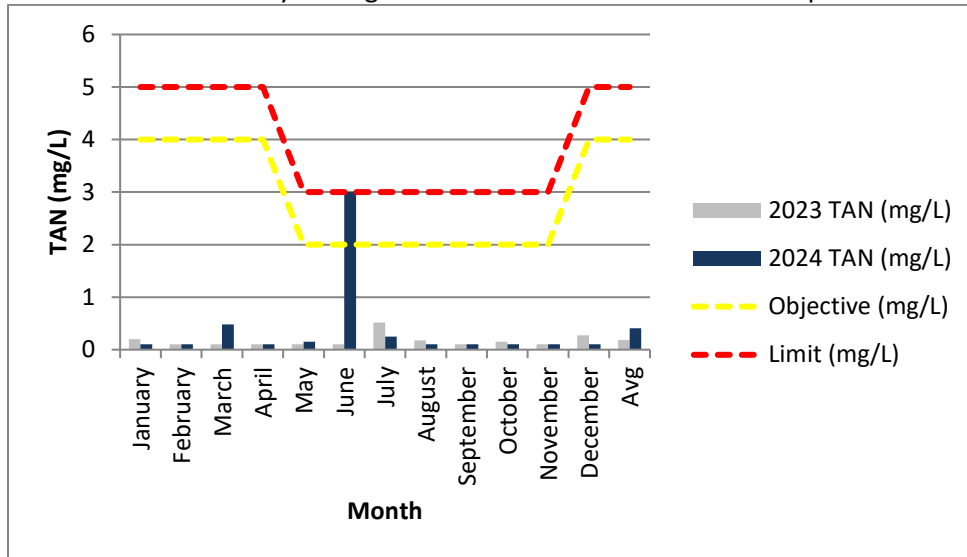
The annual average effluent Total Phosphorus (TP) for 2024 was 0.12mg/L, which is the same reported value in 2023 (refer to Chart 11). The annual average loading of TP in 2024 was 0.07kg/d. Refer to Table 1 for a list of monthly average effluent limits and loading limits. The limits and objectives identified in the ECA for TP were met in 2024.

Chart 11. The effluent monthly average concentration of TP in 2024 compared to 2023.



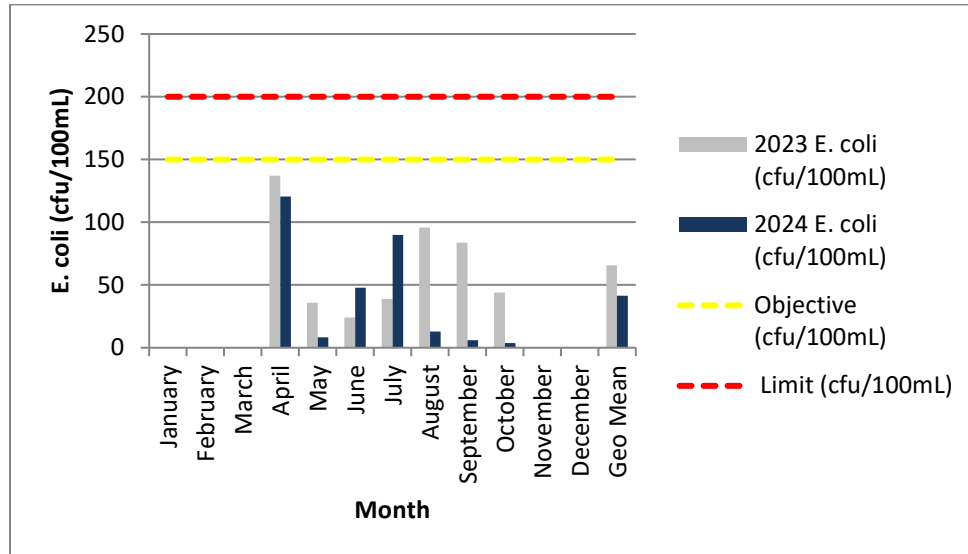
The annual average effluent Total Ammonia + Ammonium Nitrogen (TAN) for 2024 was 0.41mg/L, which is a 128% increase from 2023; this large increase was due to the elevated results obtained in June when the West Aeration tank was removed from service to facilitate required maintenance. (refer to Chart 12). The annual average loading of TAN in 2024 was 0.18kg/d. Refer to Table 1 for a list of monthly average effluent limits and loading limits. The limits identified in the ECA for TAN were met in 2024; however, the objective was exceeded in June.

Chart 12. The effluent monthly average concentration of TAN in 2024 compared to 2023.



The annual effluent geometric mean for *E. coli* was 41.3cfu/100mL in 2024, which is a 37% decrease from 2023 (refer to Chart 13). *E. coli* is monitored only during the disinfection period, which is from April 15th to October 15th. Refer to Table 1 for a list of monthly geometric mean effluent concentrations. The limits identified in the ECA for *E. coli* were met in 2024.

Chart 13. The effluent monthly geometric mean concentration of E. coli in 2024 compared to 2023.



The West Lorne WWTP provided effective treatment in 2024, complying with all the monthly average limit requirements set out in the Environmental Compliance Approval.

Effluent Objectives

The following table represents the monthly average effluent result ranges and the monthly average loading ranges compared to the monthly average objectives outlined in the Environmental Compliance Approval.

Table 2. Effluent objectives compared to monthly average concentrations and loadings.

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 – 3.4	4.5	0.42 – 2.85
Total Suspended Solids	5	<2 – 6.6	4.5	0.497 – 6.74
Total Phosphorus	0.3	0.04 – 0.25	0.27	0.01 – 0.15
Total (Ammonia + Ammonium) Nitrogen	2.0(a)	<0.1 – 3.0	1.8(a)	0.02 – 2.11
	4.0(b)	<0.1 – 0.48	3.6(b)	0.05 – 0.396
E. coli	150	3.74 – 120.5		
Dissolved Oxygen*	5	3.09-7.02		

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

*Dissolved Oxygen objective is expressed as a minimum, where all other parameters are expressed as averages.

Discussion of Effluent Objectives

Table 3. Identification and best efforts made to achieve effluent objectives.

Date	Parameter	Monthly Average Concentration (mg/L)	Monthly Loading (kg/day)	Comment/Cause
January 2024	TSS/loading	6.6	6.7	High Flows, increased alum
March 2024	TSS/loading	6	5.0	High Flows, increased alum
April 2024	TSS/loading	5.5	5.4	High Flows, increased alum
June 2024	TAN/loading	3	2.1	West Aeration Tank offline/low DO/second blower turned on
June 12, 14, 17, 2024	DO*	3.09, 4.5, 3.46	-	West Aeration tank offline/ second blower turned on.

*DO expressed as a minimum

Despite the objective exceedances reported in 2024, the West Lorne WWTP performed well meeting all limits identified in the ECA for the reporting period.

Section 4: Monitoring Schedule

In 2024, there were no deviations required from the monitoring schedule. Any 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.

Section 5: Operating Issues and Corrective Actions

High influent flows were experienced throughout 2023, which continued into 2024. These high flow events resulted in solids carry over and thus elevated TSS concentrations in the effluent.

In June, the west aeration tank was taken out of service to facilitate the removal and repair of the RAS/WAS pumps. With the west aeration tank offline, the east tank experienced an increase in the mixed liquor concentration and a decrease in DO. With an elevated biomass concentration and a reduction in dissolve oxygen, the total ammonia nitrogen began to increase. A second blower was turned on to increase DO and operations staff diligently monitored the MLSS concentrations for the duration of the maintenance to the west aeration tank

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:

-Check valve and pipe repairs in grit room

- backwash pump repairs
- Effluent pump repair
- Blower repairs
- Compressor repairs
- New backflow preventer
- RAS/WAS repair
- West aeration diffuser repair

Section 7: Effluent Quality Assurance

Effluent quality assurance is evaluated by monitoring parameters and changes throughout the plant processes. The operators monitor the aeration tanks by performing weekly tests on the mixed liquor. These tests include dissolved oxygen, pH, temperature, settling tests, Mixed Liquor Suspended Solids (MLSS). As well, monitoring of the alum dosages, wasting volumes and Return Activated Sludge suspended solids is completed. 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.

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

SCG Flow Metrix Technical Services Inc. performed the annual calibration 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 67% of the rated capacity. In 2024, 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 assessment required to meet objectives identified in the ECA.

Section 10: Sludge Generation

The lagoon is used for sludge digestion and storage as per the Environmental Compliance Approval. The waste activated sludge (WAS) is transferred to the lagoon. The sludge settles on the bottom of the lagoon and the liquid is pumped to the head of the plant for treatment. In 2024, the total amount of WAS transferred to the lagoon was approximately 4,100m³, this

amount is slightly higher due to high flows and maintenance on the west aeration tank. For 2025, the amount of sludge generated will be approximately 3,600m³. 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 2024.

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

There were no bypasses or overflows reported for the treatment plant in 2024.

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. In March, 2024 a third sand filter was brought online to ensure sufficient capacity to handle the high flow events. These high flow events were attributed to heavy rainfall and snowmelt during the first quarter of 2024.

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 F-5-1. The St. West Lorne WWTP 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 Wastewater Treatment Plant or the sanitary system in 2024. There are no projects at this time planned in the sanitary sewer system.

Section 15: Schedule for the Completion of Construction

There were significant replacements that were completed in 2019 as identified in the Proposed Works in the current ECA. There are no further Proposed Works identified for the system that require completion or commissioning.

Section 16: Summary

Overall, the West Lorne Wastewater Treatment Plant provided effective treatment in 2024, with no exceedances with effluent limits.

APPENDIX A

Analytical Data

5526 WEST LORNE WASTEWATER TREATMENT PLANT 110002853

	1 / 2024	2 / 2024	3 / 2024	4 / 2024	5 / 2024	6 / 2024	7 / 2024	8 / 2024	9 / 2024	10 / 2024	11 / 2024	12 / 2024	<--Total-->	<--Avg-->	<--Max-->	<-Criteria-->
Flows																
Raw Flow: Total - Raw m³/d	32,125.84	18,293.60	21,286.69	27,017.64	21,841.35	19,861.64	17,584.81	13,711.37	10,488.30	10,869.49	11,680.92	16,963.54	221,725.19			0.00
Raw Flow: Avg - Raw m³/d	1,036.32	630.81	686.67	900.59	704.56	662.05	567.25	442.30	349.61	350.63	389.36	547.21		605.81		900.00
Raw Flow: Max - Raw m³/d	2,544.04	957.91	1,174.00	2,344.61	1,118.96	1,136.64	1,245.27	945.33	437.36	483.82	479.27	1,245.12			2,544.04	0.00
Raw Flow: Count - Raw m³/d	31.00	29.00	31.00	30.00	31.00	30.00	31.00	31.00	30.00	31.00	30.00	31.00	366.00			0.00
Eff. Flow: Total - Effluent m³/d	31,854.48	17,699.73	25,588.75	29,602.65	23,685.36	19,404.57	13,711.04	7,700.16	6,252.96	9,759.40	9,895.90	15,125.15	210,280.15			0.00
Eff. Flow: Avg - Effluent m³/d	1,027.56	610.34	825.44	986.76	764.04	646.82	442.29	248.39	208.43	314.82	329.86	487.91		574.54		2,700.00
Eff. Flow: Max - Effluent m³/d	2,188.82	756.07	1,252.25	2,437.79	1,109.36	1,248.67	921.43	629.60	414.10	451.73	412.26	1,286.10			2,437.79	0.00
Eff Flow: Count - Effluent m³/d	31.00	29.00	31.00	30.00	31.00	30.00	31.00	31.00	30.00	31.00	30.00	31.00	366.00			0.00
Biochemical Oxygen Demand: BOD5																
Raw: Avg BOD5 - Raw mg/L	43.50	47.00	46.00	65.33	111.50	95.50	144.00	85.50	263.50	85.67	80.50	193.00		105.08	263.50	0.00
Raw: # of samples of BOD5 - Raw mg/L	2.00	2.00	2.00	3.00	2.00	2.00	2.00	2.00	2.00	3.00	2.00	2.00	26.00			0.00
Carbonaceous Biochemical Oxygen Demand: CBOD																
Eff: Avg cBOD5 - Final Effluent including Bypass mg/L	< 2.78	< 2.00	< 3.40	< 2.75	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.00	< 2.50		< 2.49	< 3.40	10.00
Eff: # of samples of cBOD5 - Final Effluent including Bypass mg/L	9.00	2.00	5.00	4.00	2.00	2.00	2.00	2.00	2.00	3.00	2.00	2.00	37.00			0.00
Loading: cBOD5 - Final Effluent including Bypass kg/d	< 2.854	< 1.221	< 2.807	< 2.714	< 1.528	< 1.294	< 0.885	< 0.497	< 0.417	< 0.630	< 0.660	< 1.220		< 1.43	< 2.85	9.000
Total Suspended Solids: TSS																
Raw: Avg TSS - Raw mg/L	40.00	57.50	50.50	68.33	149.00	139.00	142.00	91.00	337.50	79.33	142.00	230.00		127.18	337.50	0.00
Raw: # of samples of TSS - Raw mg/L	2.00	2.00	2.00	3.00	2.00	2.00	2.00	2.00	2.00	3.00	2.00	2.00	26.00			0.00
Eff: Avg TSS - Final Effluent including Bypass mg/L	< 6.56	5.00	< 6.00	5.50	< 2.00	< 2.00	< 2.00	< 2.00	3.00	3.33	5.00	4.50		< 4.81	< 6.56	10.00
Eff: # of samples of TSS - Final Effluent including Bypass mg/L	9.00	2.00	5.00	4.00	2.00	2.00	2.00	2.00	2.00	3.00	2.00	2.00	37.00			0.00
Loading: TSS - Final Effluent including Bypass kg/d	< 6.736	3.052	< 4.953	5.427	< 1.528	< 1.294	2.211	< 0.497	0.625	1.049	1.649	2.196		< 2.76	< 6.74	9.000
Total Phosphorus: TP																
Raw: Avg TP - Raw mg/L	1.56	1.40	0.65	1.94	1.92	1.64	3.81	2.36	7.89	2.50	2.96	3.08		2.64	7.89	0.00
Raw: # of samples of TP - Raw mg/L	2.00	2.00	2.00	3.00	2.00	2.00	2.00	2.00	2.00	3.00	2.00	2.00	26.00			0.00
Eff: Avg TP - Final Effluent including Bypass mg/L	0.15	0.10	0.11	0.14	0.10	< 0.03	0.12	0.04	0.07	0.09	0.25	0.17		0.12	0.25	0.50
Eff: # of samples of TP - Final Effluent including Bypass mg/L	9.00	2.00	5.00	4.00	2.00	2.00	2.00	2.00	2.00	3.00	2.00	2.00	37.00			0.00
Loading: TP - Final Effluent including Bypass kg/d	0.153	0.058	0.091	0.133	0.073	< 0.019	0.051	0.010	0.014	0.029	0.082	0.083		0.07	0.15	0.450
Nitrogen Series																
Raw: Avg TKN - Raw mg/L	19.80	17.10	8.45	17.97	18.90	12.95	37.10	22.50	67.20	26.13	30.00	25.70		25.32	67.20	0.00
Raw: # of samples of TKN - Raw mg/L	2.00	2.00	2.00	3.00	2.00	2.00	2.00	2.00	2.00	3.00	2.00	2.00	26.00			0.00
Eff: Avg TAN - Final Effluent including Bypass mg/L	< 0.10	< 0.10	< 0.48	< 0.10	< 0.15	< 3.00	< 0.25	< 0.10	< 0.10	< 0.10	< 0.10	< 0.10		< 0.41	< 3.27	5.00
Eff: # of samples of TAN - Final Effluent including Bypass mg/L	9.00	2.00	5.00	4.00	2.00	3.00	2.00	2.00	2.00	3.00	2.00	2.00	38.00			0.00
Loading: TAN - Final Effluent including Bypass kg/d	< 0.103	< 0.061	< 0.396	< 0.099	< 0.115	< 2.113	< 0.111	< 0.025	< 0.021	< 0.031	< 0.033	< 0.049		< 0.24	< 2.11	4.500
Eff: Avg NO3-N - Effluent mg/L	10.31	14.70	12.50	12.55	14.15	5.93	20.65	25.20	25.45	27.07	31.35	25.05		18.74	31.35	0.00
Eff: # of samples of NO3-N - Effluent mg/L	9.00	2.00	5.00	4.00	2.00	2.00	2.00	2.00	2.00	3.00	2.00	2.00	37.00			0.00
Eff: Avg NO2-N - Effluent mg/L	< 0.84	0.14	0.21	< 0.03	< 0.04	< 0.04	0.12	0.05	0.13	< 0.03	< 0.03	< 0.03		< 0.14	< 0.84	0.00
Eff: # of samples of NO2-N - Effluent mg/L	9.00	2.00	5.00	4.00	2.00	2.00	2.00	2.00	2.00	3.00	2.00	2.00	37.00			0.00
Disinfection																
Eff: GMD E. Coli - Effluent cfu/100mL	0.00	0.00	0.00	120.50	8.31	47.75	90.00	13.00	6.00	3.74	0.00	0.00				200.00
Eff: # of samples of E. Coli - Effluent cfu/100mL	0.00	0.00	0.00	2.00	2.00	2.00	2.00	2.00	2.00	2.00	0.00	0.00	14.00			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	17 STAT	18 IH Full Raw & Effluent Samples	19	20	21 IH Reduced	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

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: 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
2024-12-05	0	Create Schedule	Terri-Lynn Thomson



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
2024-12-05	0	Create Schedule	Terri-Lynn Thomson



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 IH Reduced	3
4	5	6 IH Full Annual H&S Walkthrough	7	8	9 IH Reduced	10
11	12	13 IH Full Raw & Effluent Samples	14	15	16 IH Reduced	17
18	19 STAT	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

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: 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
2024-12-05	0	Create Schedule	Terri-Lynn Thomson



Sample Schedule 2025 5526 West Lorne WWTP

Issued: 2024-12-05
Rev.#: 0
Pages: 7 of 12

Reviewed by: QEMS Representative

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
2024-12-05	0	Create Schedule	Terri-Lynn Thomson



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	4 STAT	5 IH Full Raw & Effluent Samples	6	7	8 IH Reduced	9
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
2024-12-05	0	Create Schedule	Terri-Lynn Thomson



Sample Schedule 2025

5526 West Lorne WWTP

Issued: 2024-12-05
Rev.#: 0
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
2024-12-05	0	Create Schedule	Terri-Lynn Thomson



Sample Schedule 2025

5526 West Lorne WWTP

Issued: 2024-12-05
Rev.#: 0
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	13 STAT	14 IH Full Raw & Effluent Samples	15	16	17 IH Reduced	18
19	20	21 IH Full	22	23	24 IH Reduced	25
26	27	28 IH Full Raw & Effluent Samples	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: 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		EQUIPMENT DETAIL	
CUSTOMER	OCWA Southwest Middlesex	[MUT] MANUFACTURER	ROSEMOUNT
CONTACT	Sam Smith	MODEL	8712EM
	Senior Operations Manager	CONVERTER SERIAL NUMBER	14974744
	2701 Old Lakeshore Rd	FUSE	Filter Building Panel WLN1 - Breaker CB5140
	Brights Grove ON N0N 1C0		
	P:519-768-9925	PLANT ID	West Lorne WWTP
	C:226-377-1540	METER ID	Influent Raw Meter
	E:ssmith@ocwa.com	FIT ID	FIT-170
		CLIENT TAG	OCWA# 123540
		OTHER	ORG# 5526
		GPS COORDINATES	N42 35.162 W081 35.77
VER. BY - FM Daniel Kettlewell		VERIFICATION DATE	April 29th 2024
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.		CAL. FREQUENCY	Annual
		CAL. DUE DATE	April 2025

PROGRAMMING PARAMETERS			FORWARD TOTALIZER INFORMATION		
DIAMETER (DN)	mm	200	AS FOUND	868948	M3
F.S. FLOW - MAG	LPS	n/a	AS LEFT	868996	M3
F.S. RANGE - O/P	LPS	60.000	DIFFERENCE	48	M3
TUBE CAL. FACTOR		0956005409440005	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	
VERIFICATOR CAL. FACTOR		1000015010000000	ERROR DOCUMENTED IN THIS REPORT; BASED ON % o.r.		

FLOW TUBE SIMULATION				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	
DISPLAY			0				
MUT Reading			0.00				
MUT % Error			n/a				
mA OUTPUT			4.000				
MUT Reading	4	mA	3.997				
MUT % Error	20	mA	-0.08				
TOTALIZER							
TEST Accumulation							
TIME							
CALC. Velocity							
% Error							

*All values are for "As Found" values.

COMMENTS	RESULTS		
	TEST	AVG % o.r.	PASS FAIL
	DISPLAY	0.00	PASS
	mA OUTPUT	-0.03	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		EQUIPMENT DETAIL	
CUSTOMER	OCWA Southwest Middlesex	[MUT] MANUFACTURER	Pulsar
CONTACT	Sam Smith	MODEL	FlowCERT
	Senior Operations Manager	CONVERTER SERIAL NUMBER	323205
	2101 Old Lakeshore Rd		
	Brights Grove ON N0N 1C0	PLANT ID	West Lorne Pollution Control Plant
	P:519-768-9925	METER ID	Effluent Flow Meter
	C:226-377-1540	FIT ID	N/A
	E:ssmith@ocwa.com	CLIENT TAG	OCWA# Not Assigned
		OTHER	ORG# 5526
		GPS COORDINATES	N42 35.162 W081 35.77
VER. BY - FM Daniel Kettlewell		VERIFICATION DATE	April 29th 2024
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.		CAL. FREQUENCY	Annual
		CAL. DUE DATE	April 2025

PROGRAMMING PARAMETERS			TOTALIZER	
NOTCH ANGLE (φ)	inches	90	AS FOUND	21757487 LITER
EMPTY DISTANCE, TX to notch	m	0.558	AS LEFT	21772159 LITER
TRANSDUCER (TX), to sump flc	m	1.082	DIFFERENCE	14672 LITER
SUMP LEVEL, zero flow	m	0.575	TEST CRITERIA	
			AS FOUND CERTIFICATION TEST	Yes
			ALLOWABLE [%] ERROR	5
MAX. HEAD	m	0.238	COMPONENTS TESTED	
BLANKING DISTANCE	m	0.000	CONVERTER DISPLAY	yes
DEAD ZONE	m	0.320	mA OUTPUT	yes
MAX. FLOW	LPS	38.1	TOTALIZER	yes
F.S. RANGE - O/P	LPS	38.0	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]				12.21	24.92	29.41	LPS
MUT [Difference]				0.18	0.23	1.52	LPS
MUT [% Error]				1.5	0.9	5.5	%
mA OUTPUT		4.000	5.831	9.046	14.357	15.701	mA
MUT [Reading]	min. 4.000 mA			9.283	14.960	16.191	mA
MUT [Difference]	max. 20.000 mA			0.237	0.603	0.490	mA
MUT [% Error]				2.63	4.20	3.12	%
TOTALIZER - REF. FLOW RATE						27.889	LPS
TOTALIZER [MUT]						2132	LITER
TEST TIME						73.00	SECONDS
CALC. TOTALIZER						2035.871	LITER
ERROR						4.51	%

COMMENTS	QUALITY MANAGEMENT STANDARDS INFO.			RESULTS		
	Could not test the first two points due to process fluid level			TEST	AVG % o.r.	PASS FAIL
				DISPLAY	2.65	PASS
				mA OUTPUT	3.31	PASS
				TOTALIZER	4.51	PASS
	[QMS] INFORMATION	IDENT.	ID #			
	[REFERENCE] LEVEL	Sim. BOARD	Yes			
	PROCESS METER	PM	0			
	STOP WATCH	SW	Yes			

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, 2024 12:00 AM

Report End Date: Dec 31, 2024 11:59 PM

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

Work Order Type: CAP,CORR,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
3725620	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	1/1/24 12:00 AM	2/5/24 07:40 AM	2/5/24 07:40 AM	-Tested critical alarms within system
3726023	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	1/1/24 12:00 AM	2/5/24 07:36 AM	2/5/24 07:36 AM	-Ran generator on load for 1 hr
3726049	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	1/1/24 12:00 AM	2/5/24 07:38 AM	2/5/24 07:38 AM	-Ran generator on load for 1 hr
3726427	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	1/1/24 12:00 AM	2/5/24 07:42 AM	2/5/24 07:42 AM	-Out of service for winter minths
3726466			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	1/1/24 12:00 AM	2/5/24 07:51 AM	2/5/24 07:51 AM	-Followed maintenance plan
3727344			5526, West Lorne WWTF	PM	HEALTH AND SAFETY	1	YEARS	Lifting Device Insp Route (1y) - 5526	CLOSE	1/1/24 12:00 AM	3/22/24 08:46 PM	3/22/24 08:46 PM	-Completed lifting device inspections with kone cranes
3740640			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	1/1/24 12:00 AM	2/5/24 07:52 AM	2/5/24 07:52 AM	-Checked DO probes and verified with handheld
3740642	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	1/1/24 12:00 AM	2/28/24 02:56 PM	2/28/24 02:56 PM	- Completed oil change and inspection on blower, all ok
3740647	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	1/1/24 12:00 AM	2/28/24 02:57 PM	2/28/24 02:57 PM	- Completed oil change and inspection on blower, all ok
3740652			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	1/1/24 12:00 AM	2/5/24 07:55 AM	2/5/24 07:55 AM	-Completed as per plan
3740666			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	1/1/24 12:00 AM	2/5/24 07:54 AM	2/5/24 07:54 AM	-Opened valve to allow condensation to come out of blower lines
3740757	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	1/1/24 12:00 AM	3/22/24 08:45 PM	3/22/24 08:45 PM	-Nevtro mechanical on site to inspect blower and fan. Replaced fuses. Belts ok

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM

Report End Date: Dec 31, 2024 11:59 PM

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

Work Order Type: CAP,CORR,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
3764303			5526, West Lorne WWTF	CORR	Refurbish/ Replace/Repair	0		Replaced Check valves on Sanitary line	CLOSE		1/26/24 10:49 AM	1/26/24 10:49 AM	- 2 check valves let go on the sanitary line Replaced check valves -Assisted with check valve replacement. Replaced 90 on sanitary line as it had cracked when replacing the check valves
3764543			5526, West Lorne WWTF Building and Grounds	CORR	Refurbish/ Replace/Repair	0		Toilet Replacement Pennys Plumbing	CLOSE		1/26/24 01:57 PM	1/26/24 01:57 PM	- Pennys Plumbing on site to replace toilet as seal is broken. New toilet, and new flange/seal.
3778439	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	2/1/24 12:00 AM	2/28/24 02:34 PM	2/28/24 02:34 PM	- tested all critical alarms,
3778775	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	2/1/24 12:00 AM	2/28/24 02:35 PM	2/28/24 02:35 PM	- ran generator on load for 1 hr
3778794	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	2/1/24 12:00 AM	2/28/24 02:35 PM	2/28/24 02:35 PM	- ran generator on load for one hr
3779161	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	2/1/24 12:00 AM	2/13/24 09:21 PM	2/13/24 09:21 PM	-UV racks not in use in winter months.
3779202			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	2/1/24 12:00 AM	2/28/24 02:36 PM	2/28/24 02:36 PM	- Cleaned grounds from garbage, picked up hoses, and ensured inside is clean.
3780158	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	2/1/24 12:00 AM	2/28/24 02:42 PM	2/28/24 02:42 PM	- inspected unit, ran in manual and auto to ensure it is working properly, dont visually see any issues,

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM

Report End Date: Dec 31, 2024 11:59 PM

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

Work Order Type: CAP,CORR,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
3788939			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	2/1/24 12:00 AM	2/28/24 02:33 PM	2/28/24 02:33 PM	- Cleaned off sensors. found one sensor still not reading, will need to be looked at by an electrician.
3788941			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	2/1/24 12:00 AM	2/20/24 07:47 AM	2/20/24 07:47 AM	- inspected VFDs for blowers to ensure they are working properly.
3788955	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	2/1/24 12:00 AM	2/28/24 02:39 PM	2/28/24 02:39 PM	- Tested bar screen and grit room to ensure gas sensors are working with the proper compressed cylinders.
3788959	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	2/1/24 12:00 AM	7/8/24 07:48 AM	7/8/24 07:48 AM	- drained completely and cleaned all ok.
3788962	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	2/1/24 12:00 AM	7/29/24 08:09 AM	7/29/24 08:09 AM	- completed as per plan
3788965			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	2/1/24 12:00 AM	2/20/24 07:44 AM	2/20/24 07:44 AM	- used valves off of air lines to blow off excess condensation in blower lines.
3803143			5526, West Lorne WWTF Process	CORR	Refurbish/ Replace/Repair	0		Plumbing in basement	CLOSE		2/13/24 09:20 PM	2/13/24 09:20 PM	-Repaired plumbing on effluent pumps in basement (P110) with new parts and fittings. Replaced drain unrelated to process as well, as was not draining properly
3806798			5526, West Lorne WWTF	CAP	Refurbish/ Replace/Repair	0		RAS/WAS Pump Motor Replacement	CLOSE		9/25/24 11:51 AM	9/25/24 11:51 AM	RAS/WAS Pump Motor Replacement -Motor has reached end of life and needs to be replaced. Not part of ICIP Upgrades.
3821814	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	3/1/24 12:00 AM	3/15/24 08:04 AM	3/15/24 08:04 AM	- tested all critical alarms within the system
3822133	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	3/1/24 12:00 AM	3/15/24 07:48 AM	3/15/24 07:48 AM	- completed monthly generator test, see sheet for more info.

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM

Report End Date: Dec 31, 2024 11:59 PM

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

Work Order Type: CAP,CORR,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
3822152	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	3/1/24 12:00 AM	3/15/24 07:48 AM	3/15/24 07:48 AM	- completed monthly generator test, see sheet for more info.
3822531	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	3/1/24 12:00 AM	3/8/24 08:16 AM	3/8/24 08:16 AM	- Cleaned UV channel, no bulbs in at the time due to ECA not requiring them during the winter months,
3822570			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	3/1/24 12:00 AM	3/15/24 07:51 AM	3/15/24 07:51 AM	- cleaned area, picked up garbage, deep cleaned admin building.
3832387			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	3/1/24 12:00 AM	3/15/24 07:52 AM	3/15/24 07:52 AM	- checked DO readers, and probes. found 2 probes not reading correctly, new caps to be ordered.
3832389			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	3/1/24 12:00 AM	3/15/24 07:50 AM	3/15/24 07:50 AM	- inspected Drives to make sure they are operating at correct speeds, no errors seen.
3832403	0000334515	TANK STORAGE FILTER BACKWASH FILTER RM	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	6	MONTHS	Backwash Tank Cleaning/inspection 5526	CLOSE	3/1/24 12:00 AM	3/15/24 07:58 AM	3/15/24 07:58 AM	- inspected back wash tank for leaks and other defeciences, all appears ok
3832417			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	3/1/24 12:00 AM	3/15/24 07:49 AM	3/15/24 07:49 AM	-opened valves to blow off condensation in air lines.
3838231	0000315336	ANALYZER PH PORTABLE LABORATORY RM	5526, West Lorne WWTF Instrumentation	PM	Inspection	1	MONTHS	Hand held pH and temperature probe (6M) 5526	CLOSE	3/1/24 12:00 AM	3/15/24 07:57 AM	3/15/24 07:57 AM	- completed as per plan
3847542	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	3/6/24 12:00 AM	3/15/24 08:04 AM	3/15/24 08:04 AM	- tested all critical alarms within the system
3867943	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	4/1/24 12:00 AM	5/6/24 07:39 AM	5/6/24 07:39 AM	- completed testing all critical alarms within the system
3868294	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	4/1/24 12:00 AM	4/29/24 07:34 AM	4/29/24 07:34 AM	- completed generator test, recorded hrs on rounds sheet

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM

Report End Date: Dec 31, 2024 11:59 PM

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

Work Order Type: CAP,CORR,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
3868313	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	4/1/24 12:00 AM	4/29/24 07:35 AM	4/29/24 07:35 AM	- completed generator test for 1 hr, reocrded hrs on sheet
3868661	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	4/1/24 12:00 AM	4/29/24 07:38 AM	4/29/24 07:38 AM	- inspected UV channel for built up debris, and insufficient working lights.
3868700			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	4/1/24 12:00 AM	5/6/24 07:41 AM	5/6/24 07:41 AM	- cleaned grounds as per plan
3873046	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	4/1/24 12:00 AM	9/26/24 01:23 PM	9/26/24 01:23 PM	- inspected gas monitors for faults etc.
3873061	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	4/1/24 12:00 AM	5/6/24 07:48 AM	5/6/24 07:48 AM	- inspected bulbs and sleeves to ensure they are working properly
3881676			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	4/1/24 12:00 AM	5/6/24 07:38 AM	5/6/24 07:38 AM	- completed as per plan
3881678			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	4/1/24 12:00 AM	4/29/24 07:47 AM	4/29/24 07:47 AM	- Completed checks on VFD's , all ok. no faults found
3881692			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	4/1/24 12:00 AM	4/29/24 07:48 AM	4/29/24 07:48 AM	-opened valves to blower lines to blow off condensation.
3900178	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	4/6/24 12:00 AM	5/6/24 07:40 AM	5/6/24 07:40 AM	- completed testing all critical alarms within the system
3920584	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	5/1/24 12:00 AM	6/3/24 07:57 AM	6/3/24 07:57 AM	- tested all critical alarms within the system, allowing them to call out to the answering service.
3920897	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	5/1/24 12:00 AM	6/3/24 07:55 AM	6/3/24 07:55 AM	- completed generator testing for 1 hr, recorded operational records

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM

Report End Date: Dec 31, 2024 11:59 PM

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

Work Order Type: CAP,CORR,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
3920916	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	5/1/24 12:00 AM	6/3/24 07:52 AM	6/3/24 07:52 AM	- completed engine generator testing, recorded operational records.
3921264	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	5/1/24 12:00 AM	5/17/24 08:25 AM	5/17/24 08:25 AM	- Completed UV light inspection, cleaned UV channel
3921303			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	5/1/24 12:00 AM	6/3/24 07:50 AM	6/3/24 07:50 AM	- cleaned facilities, removed garbage.
3921356			5526, West Lorne WWTF	PM	HEALTH AND SAFETY	1	YEARS	OHSA Inspection & Report West Lorne (1y) 5526	CLOSE	5/1/24 12:00 AM	7/8/24 07:49 AM	7/8/24 07:49 AM	- compketed walk through with HS rep
3927080	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	5/1/24 12:00 AM	7/8/24 07:49 AM	7/8/24 07:49 AM	- inspected and pulled, looks ok
3927089	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	5/1/24 12:00 AM	7/29/24 08:33 AM	7/29/24 08:33 AM	- needs work, impellar bolt/shaft keeps slipping down
3927098	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	5/1/24 12:00 AM	7/29/24 08:39 AM	7/29/24 08:39 AM	- inspected pump no issues seen
3931419			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	5/1/24 12:00 AM	5/17/24 08:32 AM	5/17/24 08:32 AM	- completed as per plan, testeed DO probes in aeration tanks, and calibrated analyzers.
3931421			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	5/1/24 12:00 AM	6/3/24 07:49 AM	6/3/24 07:49 AM	- inspected VFDs on blowers to ensure there are no faults.
3931424	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	5/1/24 12:00 AM	7/29/24 08:39 AM	7/29/24 08:39 AM	- inspected and pulled pump all ok
3931444			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	5/1/24 12:00 AM	5/17/24 08:28 AM	5/17/24 08:28 AM	-Completed blowing off condensation in air lines. Completed as per plan

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM

Report End Date: Dec 31, 2024 11:59 PM

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

Work Order Type: CAP,CORR,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
3947851	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	5/6/24 12:00 AM	6/3/24 07:45 AM	6/3/24 07:45 AM	- tested all critical alarms within the system, allowing them to call out to the answering service
3968401	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	6/1/24 12:00 AM	7/8/24 07:39 AM	7/8/24 07:39 AM	- ran generator on load for 1 hr as per plan
3968714	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	6/1/24 12:00 AM	6/17/24 08:09 AM	6/17/24 08:09 AM	- completed running checks, recorded info on sheet
3968733	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	6/1/24 12:00 AM	6/17/24 08:10 AM	6/17/24 08:10 AM	- completed running checks, recorded info on sheet
3969152	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	6/1/24 12:00 AM	7/8/24 07:41 AM	7/8/24 07:41 AM	- cleaned UV troph
3969212			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	6/1/24 12:00 AM	7/8/24 07:44 AM	7/8/24 07:44 AM	- cleaned area and grounds
3972339	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	6/1/24 12:00 AM	7/29/24 08:14 AM	7/29/24 08:14 AM	- needs new switch for electrical, no leaks or wear all ok
3972342	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	6/1/24 12:00 AM	7/8/24 07:50 AM	7/8/24 07:50 AM	- inspected pump for unusual noises etc. all appears ok
3973993	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	6/1/24 12:00 AM	8/12/24 07:48 AM	8/12/24 07:48 AM	- alberts generator on site to test and inspect generator
3974037	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	6/1/24 12:00 AM	8/12/24 07:50 AM	8/12/24 07:50 AM	- alberts generator on site to complete yearly inspection and service
3981265			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	6/1/24 12:00 AM	7/8/24 07:44 AM	7/8/24 07:44 AM	- inspected DO route all ok
3981267			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	6/1/24 12:00 AM	7/8/24 07:43 AM	7/8/24 07:43 AM	- inspected VFD drives for blowers no faults indicated.

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM

Report End Date: Dec 31, 2024 11:59 PM

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

Work Order Type: CAP,CORR,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
3981270			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	YEARS	Fan Route Insp/Service (1y) 5526	CLOSE	6/1/24 12:00 AM	9/26/24 01:25 PM	9/26/24 01:25 PM	- Inspected exahust fan route
3981273			5526, West Lorne WWTF	PM	Inspection	1	YEARS	Filter Sand Inspection (1y) 5526	CLOSE	6/1/24 12:00 AM	11/29/24 07:50 AM	11/29/24 07:50 AM	- inspected sand filters as per plan
3981278	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	6/1/24 12:00 AM	7/29/24 08:12 AM	7/29/24 08:12 AM	- inspected pump, for any leaks wear etc. all appears ok
3981292			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	6/1/24 12:00 AM	7/8/24 07:42 AM	7/8/24 07:42 AM	- blow off all lines from blower of condensation
3990697	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	6/1/24 12:00 AM	7/8/24 07:41 AM	7/8/24 07:41 AM	- inspected and cleaned compressor
3997510	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	6/6/24 12:00 AM	7/8/24 07:40 AM	7/8/24 07:40 AM	- tested critical alarms within the system
4001690			5526, West Lorne Sewage Pumping Stn	CAP	Refurbish/ Replace/Repair	0		West Lorne Pump Station Pump Rebuild-5526	COMP		1/7/25 12:42 PM	1/7/25 12:42 PM	Rebuild WL Pump Station Pump -As per 2024 Capital Recommendations, rebuild pump station pump. Budgetary number was \$15,000
4016780	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	7/1/24 12:00 AM	7/29/24 07:47 AM	7/29/24 07:47 AM	- completed testing of all critical alarms within the system
4017135	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	7/1/24 12:00 AM	8/12/24 07:47 AM	8/12/24 07:47 AM	- alberts generator on site to test and insoect generator for its yearly srvice
4017154	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	7/1/24 12:00 AM	7/29/24 07:48 AM	7/29/24 07:48 AM	- ran generator on load for 1 hr, recorded data
4017521	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	7/1/24 12:00 AM	7/29/24 07:50 AM	7/29/24 07:50 AM	- pulled and inspected lights for algae build up and debris, cleaned out algea from the uv troph and all ok at this time.

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM

Report End Date: Dec 31, 2024 11:59 PM

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

Work Order Type: CAP,CORR,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
4017560			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	7/1/24 12:00 AM	7/29/24 08:03 AM	7/29/24 08:03 AM	- cleaned inside and outside the plant, picking up garbage etc
4022534	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	7/1/24 12:00 AM	7/29/24 08:10 AM	7/29/24 08:10 AM	- keith douglas on site to inspect back flow preventer
4028754			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	7/1/24 12:00 AM	7/29/24 07:58 AM	7/29/24 07:58 AM	- inspected DO controllers, and DO probes found some insufficiencies, will notify SOM
4028756			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	7/1/24 12:00 AM	7/29/24 08:01 AM	7/29/24 08:01 AM	- inspected Drives from blower VFD to ensure there are no faults.
4028759			5526, West Lorne WWTF	PM	Inspection	1	YEARS	Heat Trace Inspection (1y) 5526	CLOSE	7/1/24 12:00 AM	7/29/24 08:34 AM	7/29/24 08:34 AM	- inspected heat trace, all appears ok
4028778	0000334523	METER LEVEL LIT-101 BACKWASH TANK FILTER RM	5526, West Lorne WWTF Instrumentation	PM	Calibration	1	YEARS	Transmitter Level Service (1y) - 5526	CLOSE	7/1/24 12:00 AM	7/29/24 08:14 AM	7/29/24 08:14 AM	- inspected meter, all appears ok at this time.
4028783			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	7/1/24 12:00 AM	7/29/24 07:59 AM	7/29/24 07:59 AM	- opened blower line valves to blow off condensation in the line
4039510	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	7/1/24 12:00 AM	8/12/24 07:46 AM	8/12/24 07:46 AM	- inspected backwash tank for oil and unusual noises
4047037	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	7/6/24 12:00 AM	7/29/24 08:01 AM	7/29/24 08:01 AM	- tested all critical alarms within the system
4065519	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	8/1/24 12:00 AM	9/3/24 07:50 AM	9/3/24 07:50 AM	- tested all critical alarms within the system
4065832	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	8/1/24 12:00 AM	9/3/24 07:52 AM	9/3/24 07:52 AM	- ran generator on load for 1 hr, it had its annual inspection this month also.

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM

Report End Date: Dec 31, 2024 11:59 PM

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

Work Order Type: CAP,CORR,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
4065851	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	8/1/24 12:00 AM	9/3/24 07:54 AM	9/3/24 07:54 AM	- ran generator on load for 1 hr, it had its annual inspection this month also.
4066218	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	8/1/24 12:00 AM	9/3/24 07:53 AM	9/3/24 07:53 AM	- cleaned and inspected UV bulbs
4066257			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	8/1/24 12:00 AM	9/3/24 08:53 AM	9/3/24 08:53 AM	- cleaned grounds
4071166	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	8/1/24 12:00 AM	9/26/24 01:26 PM	9/26/24 01:26 PM	-inspected pump, and ensured all is working ok
4071175	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	8/1/24 12:00 AM	9/26/24 01:24 PM	9/26/24 01:24 PM	- under repairs
4071184	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	8/1/24 12:00 AM	9/26/24 01:28 PM	9/26/24 01:28 PM	- pulled pump and inspected, removed rags. reinstalled pump.
4071193	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	8/1/24 12:00 AM	9/26/24 01:31 PM	9/26/24 01:31 PM	- inspected pump and check valves
4071202	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	8/1/24 12:00 AM	9/26/24 01:31 PM	9/26/24 01:31 PM	- inspected pumps and check valves
4075847			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	8/1/24 12:00 AM	9/3/24 08:52 AM	9/3/24 08:52 AM	- inspected DO route and calibrated where required
4075849			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	8/1/24 12:00 AM	9/3/24 08:51 AM	9/3/24 08:51 AM	- inspected blower VFDs to ensure of no faults
4075852			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	YEARS	Heater Unit Route Inspection/ Service (1y) 5526	CLOSE	8/1/24 12:00 AM	9/26/24 01:41 PM	9/26/24 01:41 PM	- inspected heaters all is ok
4075860	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	8/1/24 12:00 AM	9/26/24 01:30 PM	9/26/24 01:30 PM	- inspected bar screen, cleaned debris etc.

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM

Report End Date: Dec 31, 2024 11:59 PM

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

Work Order Type: CAP,CORR,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
4075878	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	8/1/24 12:00 AM	9/26/24 01:29 PM	9/26/24 01:29 PM	- inspected gas analyzer systems, all appears ok.
4075882	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	8/1/24 12:00 AM	9/26/24 01:39 PM	9/26/24 01:39 PM	- inspected surge protector,all is ok
4075885			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	8/1/24 12:00 AM	9/3/24 08:50 AM	9/3/24 08:50 AM	- blew off all condensation in blower lines.
4084851	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	8/1/24 12:00 AM	9/3/24 07:55 AM	9/3/24 07:55 AM	- topped up oil, inspected and cleaned
4091783	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	8/6/24 12:00 AM	9/3/24 07:51 AM	9/3/24 07:51 AM	- tested all critical alarms within the system
4111926	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	9/1/24 12:00 AM	9/27/24 02:27 PM	9/27/24 02:27 PM	- testeed all critical alaarms within the system
4112244	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	9/1/24 12:00 AM	9/27/24 02:26 PM	9/27/24 02:26 PM	- Completed monthly generator testing
4112263	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	9/1/24 12:00 AM	9/27/24 02:28 PM	9/27/24 02:28 PM	- completed monthly generator testing
4112665	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	9/1/24 12:00 AM	9/27/24 02:29 PM	9/27/24 02:29 PM	- inspected UV bulbs, replaced as necessary
4112704			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	9/1/24 12:00 AM	10/3/24 10:23 AM	10/3/24 10:23 AM	- Completed last month as per plan
4123920			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	9/1/24 12:00 AM	9/27/24 02:38 PM	9/27/24 02:38 PM	-tested aeration tank DO rout in aerations tank
4123922			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	9/1/24 12:00 AM	10/3/24 10:23 AM	10/3/24 10:23 AM	- Completed last month as per plan

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM

Report End Date: Dec 31, 2024 11:59 PM

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

Work Order Type: CAP,CORR,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
4123928	0000334524	SCADA COMPUTER COMMUNICATION LABORATORY RM	5526, West Lorne WWTF Electrical	PM	Inspection	1	YEARS	Scada Server Insp/Service (1y) 5526	CLOSE	9/1/24 12:00 AM	10/7/24 09:09 AM	10/7/24 09:09 AM	- completed as per plan
4123943	0000334515	TANK STORAGE FILTER BACKWASH FILTER RM	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	6	MONTHS	Backwash Tank Cleaning/inspection 5526	CLOSE	9/1/24 12:00 AM	10/3/24 10:30 AM	10/3/24 10:30 AM	- inspected tank and cleaned.
4123957	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	9/1/24 12:00 AM	10/7/24 09:10 AM	10/7/24 09:10 AM	- completed as per plan.
4123960			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	9/1/24 12:00 AM	10/3/24 10:24 AM	10/3/24 10:24 AM	- Completed last month as per plan
4123962	0000334527	ACTUATOR ELECTRIC PLG300 SEPARATOR GRIT RM	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	YEARS	Valve Plug Insp. (1y) - 5526	CLOSE	9/1/24 12:00 AM	10/7/24 09:11 AM	10/7/24 09:11 AM	- completed as per plan
4130236	0000315336	ANALYZER PH PORTABLE LABORATORY RM	5526, West Lorne WWTF Instrumentation	PM	Inspection	1	MONTHS	Hand held pH and temperature probe (6M) 5526	CLOSE	9/1/24 12:00 AM	10/3/24 10:31 AM	10/3/24 10:31 AM	- inspected pH probe for any fault messages.
4133546	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	9/1/24 12:00 AM	9/27/24 02:41 PM	9/27/24 02:41 PM	- inspected compressor all is ok
4141894	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	9/6/24 12:00 AM	10/3/24 10:25 AM	10/3/24 10:25 AM	- Completed last month as per plan
4161443	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	10/1/24 12:00 AM	11/4/24 02:47 PM	11/4/24 02:47 PM	-Tested all critical alarms
4161800	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	10/1/24 12:00 AM	10/3/24 10:28 AM	10/3/24 10:28 AM	- Ran generator on load for one hour
4161819	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	10/1/24 12:00 AM	10/3/24 10:29 AM	10/3/24 10:29 AM	- Rang generator on load for 1 hr
4162186	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	10/1/24 12:00 AM	10/14/24 08:58 AM	10/14/24 08:58 AM	-Inspected bulbs and cleaned the algae build up from them.
4162225			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	10/1/24 12:00 AM	11/4/24 02:46 PM	11/4/24 02:46 PM	- Cleaned grounds

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM

Report End Date: Dec 31, 2024 11:59 PM

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

Work Order Type: CAP,CORR,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
4166249	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	10/1/24 12:00 AM	10/7/24 09:12 AM	10/7/24 09:12 AM	- inspected monitor and as per plans
4174250			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	10/1/24 12:00 AM	10/3/24 10:27 AM	10/3/24 10:27 AM	- inspected DO inspection route
4174252			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	10/1/24 12:00 AM	10/14/24 08:59 AM	10/14/24 08:59 AM	-Inspected VFD's for any major faultls. All appears ok
4174266			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	10/1/24 12:00 AM	10/3/24 10:27 AM	10/3/24 10:27 AM	- Completed valve blower damper, blowing out all condensation in the lines
4184731	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	10/1/24 12:00 AM	10/14/24 08:57 AM	10/14/24 08:57 AM	-Inspected compressor and air lines. Fixed the end of the air line going to the filter panel board. Inspected compressor and cleaned.
4192465	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	10/6/24 12:00 AM	11/4/24 02:46 PM	11/4/24 02:46 PM	- tested all critical alarms within the system
4210271	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	11/1/24 12:00 AM	11/29/24 07:45 AM	11/29/24 07:45 AM	- tested all critical alarms within the system
4210584	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	11/1/24 12:00 AM	11/8/24 08:16 AM	11/8/24 08:16 AM	- ran generator on load for one hr
4210603	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	11/1/24 12:00 AM	11/8/24 08:17 AM	11/8/24 08:17 AM	- ran generator on load for one hour
4210950	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	11/1/24 12:00 AM	11/8/24 08:14 AM	11/8/24 08:14 AM	- Inspected pump and alum lines, cleaned lines where necessary and calibrated.
4210976	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	11/1/24 12:00 AM	11/5/24 10:03 AM	11/5/24 10:03 AM	- UV bulbs not in service as it is out of the "disinfection" months.

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM

Report End Date: Dec 31, 2024 11:59 PM

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

Work Order Type: CAP,CORR,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
4211015			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	11/1/24 12:00 AM	11/29/24 07:46 AM	11/29/24 07:46 AM	- completed grounds maintenance indoor maintenace.
4215801			5526, West Lorne WWTF	PM	Inspection	1	YEARS	Emergency Generator Trailer Insp/ Service (1y) - 5526	CLOSE	11/1/24 12:00 AM	11/29/24 07:49 AM	11/29/24 07:49 AM	- inspected emergency generator trailer, inspevted wheels, bearings etc.
4215816	0000123502	UPS BATTERY BANK ELECTRICAL RM	5526, West Lorne WWTF Electrical	PM	Inspection	1	YEARS	UPS Battery Bank Plant Insp/ Service (1y) - 5526	CLOSE	11/1/24 12:00 AM	11/8/24 08:11 AM	11/8/24 08:11 AM	- Checked UPS for any faults, cleaned cooling fan and followed maintenance plan
4215827	0000123532	UPS BATTERY BANK PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	YEARS	UPS Insp/Service (1y) - 5526	CLOSE	11/1/24 12:00 AM	11/8/24 08:08 AM	11/8/24 08:08 AM	- Checked UPS for any faults, cleaned off cooling fan
4215838	0000123571	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	CLOSE	11/1/24 12:00 AM	11/8/24 08:13 AM	11/8/24 08:13 AM	- Scum pit currently with Nevtro for repairs as it had seized the impellar.
4219936			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	11/1/24 12:00 AM	11/8/24 10:44 AM	11/8/24 10:44 AM	-Checked DO route compared to handheld. Found two probes need replacement caps.
4219938			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	11/1/24 12:00 AM	11/8/24 08:20 AM	11/8/24 08:20 AM	- inspected VFDs for clarifiers and no issues are seen.
4219952	0000334513	UPS BATTERY BANK PLC PANEL FILTER RM	5526, West Lorne WWTF Electrical	PM	Inspection	1	YEARS	UPS Insp/Service (1y) - 5526	CLOSE	11/1/24 12:00 AM	11/8/24 08:09 AM	11/8/24 08:09 AM	- checked UPS for any faults and cleaned off cooling fan and followed maintenance plan
4219963			5526, West Lorne WWTF	PM	Refurbish/ Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	11/1/24 12:00 AM	11/20/24 10:13 AM	11/20/24 10:13 AM	-Opened blower damper valves to blow off all condensation in the lines.
4224638			5526, West Lorne WWTF	PM	Inspection	1	YEARS	Facility Asset Review - 5526	COMP	11/1/24 12:00 AM	1/7/25 12:45 PM	1/7/25 12:45 PM	- complete

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM

Report End Date: Dec 31, 2024 11:59 PM

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

Work Order Type: CAP,CORR,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
4228297	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	11/1/24 12:00 AM	11/5/24 10:02 AM	11/5/24 10:02 AM	- Inspected compressor, and air line. Added hose and connector to clamp it together as the hose keeps pulling off because it is too short.
4235114			5526, West Lorne WWTF	CORR	Refurbish/ Replace/Repair	0		West Lorne Sewage Plant - Filter Air Line Leak Repairs	CLOSE		11/5/24 02:28 PM	11/5/24 02:28 PM	West Lorne Sewage Plant - Filter Air Line Leak Repairs - Found leak in filters air transfer line purchased new tubing for replacement replaced tubing where necessary and returned back to normal operation.
4235182	0000315331	PANEL ALARM/ DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	11/6/24 12:00 AM	11/29/24 07:44 AM	11/29/24 07:44 AM	- tested all critical alarms within the system
4252286	0000123533	PANEL ALARM/ DIALER 01 PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	12/1/24 12:00 AM	12/13/24 02:11 PM	12/13/24 02:11 PM	- completed alarm dialer testing
4252687	0000123442	ENGINE DIESEL STAND-BY PLANT	5526, West Lorne WWTF Electrical	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	12/1/24 12:00 AM	12/6/24 02:34 PM	12/6/24 02:34 PM	- ran on emergency for a power outage, filled out form /
4252706	0000123677	ENGINE DIESEL STAND-BY PUMPING STATION	5526, West Lorne Sewage Pumping Stn	PM	Inspection	1	MONTHS	Engine Diesel Test/Insp (1m) - 5526	CLOSE	12/1/24 12:00 AM	12/13/24 02:09 PM	12/13/24 02:09 PM	-completed as per plan
4253230	0000123567	UV LIGHT BANK EFFLUENT CONDUIT	5526, West Lorne WWTF Process	PM	Refurbish/ Replace/Repair	1	MONTHS	UV Light Insp (1m) - 5526	CLOSE	12/1/24 12:00 AM	12/4/24 09:41 AM	12/4/24 09:41 AM	-Out of service for non disinfection months.
4253305			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Building & Grounds Maintenance (1m) - 5526	CLOSE	12/1/24 12:00 AM	12/13/24 02:11 PM	12/13/24 02:11 PM	- Completed building and grounds maintenance as per plan
4261774			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Analyzer DO Route Inspection (1m) 5526	CLOSE	12/1/24 12:00 AM	12/4/24 09:43 AM	12/4/24 09:43 AM	-Completed as per plan. Removed debris from cables and sensor
4261776			5526, West Lorne WWTF	PM	Inspection	1	MONTHS	Drive VFD Insp/Service (1m) 5526	CLOSE	12/1/24 12:00 AM	12/4/24 09:44 AM	12/4/24 09:44 AM	-Inspected VFDs for scrapers in the clarifier as per plan.

Workorder Summary Report

Report Start Date: Jan 1, 2024 12:00 AM

Report End Date: Dec 31, 2024 11:59 PM

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

Work Order Type: CAP,CORR,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
4261790			5526, West Lorne WWTF	PM	Refurbish/Replace/Repair	1	MONTHS	Valve Blower Damper (1m) - 5526	CLOSE	12/1/24 12:00 AM	12/6/24 02:33 PM	12/6/24 02:33 PM	- blow off all condensation in blower lines
4269677	0000358285	COMPRESSOR AIR AC-101 BACKWASH COMPRESSOR RM	5526, West Lorne WWTF Process	PM	Inspection	1	MONTHS	Compressor Backwash Insp/Service (1m) - 5526	CLOSE	12/1/24 12:00 AM	12/13/24 02:12 PM	12/13/24 02:12 PM	- inspected compressor for oil level as per plan.
4277052	0000315331	PANEL ALARM/DIALER ELECTRICAL RM	5526, West Lorne WWTF Health and Safety	PM	Inspection	1	MONTHS	Alarm Dialer Test/Insp (1m) - 5526	CLOSE	12/6/24 12:00 AM	12/13/24 02:10 PM	12/13/24 02:10 PM	-Completed alarm dialer testing