

WATER & WASTEWATER SERVICES

OPERATIONAL REPORTS

WASTEWATER
TREATMENT AND
COLLECTION
PERFORMANCE
REPORTS



The County
PRINCE EDWARD COUNTY • ONTARIO

OPERATIONAL REPORTS

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PICTON WWTP

**ANNUAL PERFORMANCE REPORT
(ECA NO. 5464-AKATW7)**



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PRINCE EDWARD COUNTY • ONTARIO

2024 Annual Wastewater Performance Report

The Corporation of the County of Prince Edward
Picton Wastewater Treatment Facility
MECP Identifier No. 120000667
Environmental Compliance Approval: ECA No. 5464-AKATW7

Picton sanitary collection system services the town of Picton through a network of underground collection infrastructure and 7 pump stations located on Loyalist Parkway, Bridge Street, Hill Street, Main Street, Jasper Avenue, Paul Street, and Lalor Street. The Lalor Street Pump Station receives flows from the entire collection system and channels it through the treatment process via two forcemains up Nicholas Street to the Picton Wastewater Treatment Facility. The Picton Wastewater Treatment Facility is a Class 2 extended aeration treatment facility with tertiary treatment and ultraviolet disinfection. Disinfected final effluent is discharged via a 500mm pipe to Marsh Creek, and finally Picton Bay, Bay of Quinte. Standby generators are in place in the event of a utility power failure.

Picton Compliance Approval: ECA No. 5464-AKATW7, Condition 11-4

The annual reporting requirements as per Environmental Compliance Approval (ECA) number 5464-AKATW7 have been listed below. In accordance with Condition 11-4, *The Owner shall prepare performance reports on an annual basis and submit to the Water Supervisor by March 31 of the calendar year following the period being reported upon. The reports shall contain, but shall not be limited to, the following information:*

- a. *a summary and interpretation of all monitoring data and a comparison to the compliance limits outlined in Condition 7, including an overview of the success and adequacy of the Works;*
- b. *a description of any operating problems encountered and corrective actions taken;*
- c. *a summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the Works;*
- d. *a summary of any effluent quality assurance or control measures undertaken in the reporting period;*
- e. *a summary of the calibration and maintenance carried out on all effluent monitoring equipment;*
- f. *a description of efforts made and results achieved in meeting the design objectives of Condition 6;*
- g. *a tabulation of the volume of sludge generated in the reporting period, an outline of anticipated volumes to be generated in the next reporting period and a summary of the locations to where the sludge was disposed;*
- h. *a summary of any complaints received during the reporting period and any steps taken to address the complaints;*
- i. *a summary of all By-pass, spill or abnormal discharge events;*
- j. *a copy of all Notice of Modifications submitted to the Water Supervisor as a result of Schedule B, Section 1, with a status report on the implementation of each modification*

- k. a report summarizing all modifications completed as a result of Schedule B, Section 3;
- l. any other information the Water Supervisor requires from time to time.

Monitoring and Analytical Data

Condition 11.4(a) and (f) - (ECA No. 5464-AKATW7)

Summary of all monitoring data and analytical data collected relative to the works during the reporting period:

Table 1a: Effluent Quality: Compliance Parameters

Parameters	Carbonaceous Biochemical Oxygen Demand	Total Suspended Solids	Total Phosphorus	
	Monthly Mean Concentration			Waste Loading
ECA Limit	10 mg/L	10 mg/L	0.27 mg/L	1.63 kg/d
ECA Objective	5 mg/L	5 mg/L	0.15 mg/L	n/a
Month	mg/L	mg/L	mg/L	kg/d
January	3.80	3.60	0.03	0.16
February	3.50	3.25	0.06	0.19
March	3.50	2.25	0.04	0.15
April	4.00	2.60	0.05	0.23
May	4.00	3.25	0.09	0.28
June	3.50	3.00	0.08	0.22
July	4.00	3.20	0.10	0.29
August	4.25	3.25	0.12	0.27
September	4.00	2.00	0.10	0.20
October	4.00	2.20	0.12	0.20
November	3.50	2.22	0.12	0.21
December	4.00	2.20	0.07	0.17

Note: Condition 6 and 7 of Environmental Compliance Approval Number 5464-AKATW7 indicates average loading and concentration limits and objectives for compliance assessment of carbonaceous biochemical oxygen demand, total suspended solids and total phosphorus against results achieved. There were no design limit or objective exceedances.

Table 1b: Total Ammonia Nitrogen (TAN) Effluent Quality Assessment

Parameter	Total Ammonia Nitrogen	
	Monthly Mean Concentration	
ECA Limit	0.8 mg/L May - October	1.5 mg/L November - April
ECA Objective	0.6 mg/L May - October	1.2 mg/L November - April
Month	mg/L	mg/L
January		< 0.10
February		< 0.10
March		< 0.10
April		< 0.10
May	0.15	
June	< 0.10	
July	< 0.10	
August	< 0.10	
September	< 0.10	
October	< 0.10	
November		< 0.10
December		< 0.10

Note: Condition 6 and 7 of Environmental Compliance Approval Number 5464-AKATW7 indicates design objectives and limits for compliance assessment of total ammonia nitrogen against results achieved. There were no design limit or objective exceedances.

Table 1c: Escherichia coli, Toxicity and pH Effluent Quality Assessment, 2024

Parameter	<i>Escherichia coli</i>	Toxicity		pH	
	Mean Geometric Density	Rainbow Trout	<i>Daphnia Magma</i>	6.0	9.5
ECA Limit	200CFU/100mL	Non-toxic Effluent (50%)			
Month	CFU/100mL	% Mortality		Min	Max
January	1.58	20	0	7.60	7.90
February	1.68	-	-	7.00	7.80
March	2.45	-	-	7.20	8.00
April	1.58	0	0	7.10	7.50
May	1.68	-	-	7.10	7.40
June	1.68	-	-	7.30	7.50
July	1.58	0	0	7.10	7.70
August	1.68	-	-	7.10	7.89
September	1.63	-	-	7.20	8.20
October	1.58	0	0	6.80	7.80
November	1.57	-	-	6.60	7.20
December	1.58	-	-	7.20	7.68

Note: Condition 6 and 7 of Environmental Compliance Approval Number 5464-AKATW7 indicates design objectives and limits for compliance assessment of geometric mean density of E.coli and toxicity against results achieved. There were no design limit or objective exceedances.

Table 2: Effluent Quality Operational Monitoring Data

Month	Total Kjeldahl Nitrogen	Unionized Ammonia	Unionized Ammonia @ 15°C	Nitrite	Nitrate
	mg/L	mg/L	mg/L	mg/L	mg/L
January	1.60	0.001	0.001	0.03	10.73
February	1.40	0.001	0.001	0.03	12.83
March	0.50	0.001	0.002	0.03	11.85
April	0.60	0.001	0.001	0.03	11.60
May	1.10	0.001	0.002	0.03	13.63
June	0.50	0.001	0.001	0.03	13.40
July	0.50	0.001	0.001	0.03	11.56
August	0.80	0.001	0.001	0.03	11.35
September	1.60	0.001	0.001	0.03	13.03
October	0.50	0.001	0.001	0.03	11.33
November	0.50	0.001	0.001	0.03	17.68
December	1.10	0.001	0.001	0.03	19.42

Note: Effluent monitoring samples are collected in addition to those required by the Environmental Compliance Approval for operational efficiency determination and effluent quality monitoring.

Table 3: Influent Quality Monitoring Data

Month	Biochemical Oxygen Demand	Carbonaceous Biochemical Oxygen Demand	Total Suspended Solids	Total Phosphorus	Total Kjeldahl Nitrogen
	Monthly Mean Concentration				
	mg/L	mg/L	mg/L	mg/L	mg/L
January	49.00	44.60	40.00	0.92	10.80
February	85.75	79.00	74.75	1.48	14.60
March	50.00	42.50	76.00	1.06	8.73
April	50.80	43.80	54.40	1.16	11.20
May	75.25	64.00	86.50	1.94	14.15
June	88.50	76.00	92.75	1.66	16.90
July	100.80	82.20	132.50	1.80	16.14
August	179.25	150.00	264.50	2.84	23.55
September	80.50	75.25	106.00	1.80	15.95
October	86.80	75.40	108.00	2.01	17.74
November	72.75	64.25	51.25	1.60	17.15
December	69.40	49.20	65.40	1.64	12.14

Note: Influent monitoring samples are collected in addition to those required by the Environmental Compliance Approval to determine treatment efficiency.

Effluent Quality Interpretations

Condition 11.4(a) and (f) - (ECA No. 5464-AKATW7)

Carbonaceous Biochemical Oxygen Demand (CBOD)

Influent

Sampling Frequency: Weekly
Sample Type: Composite
Environmental Compliance Approval Requirement: Weekly

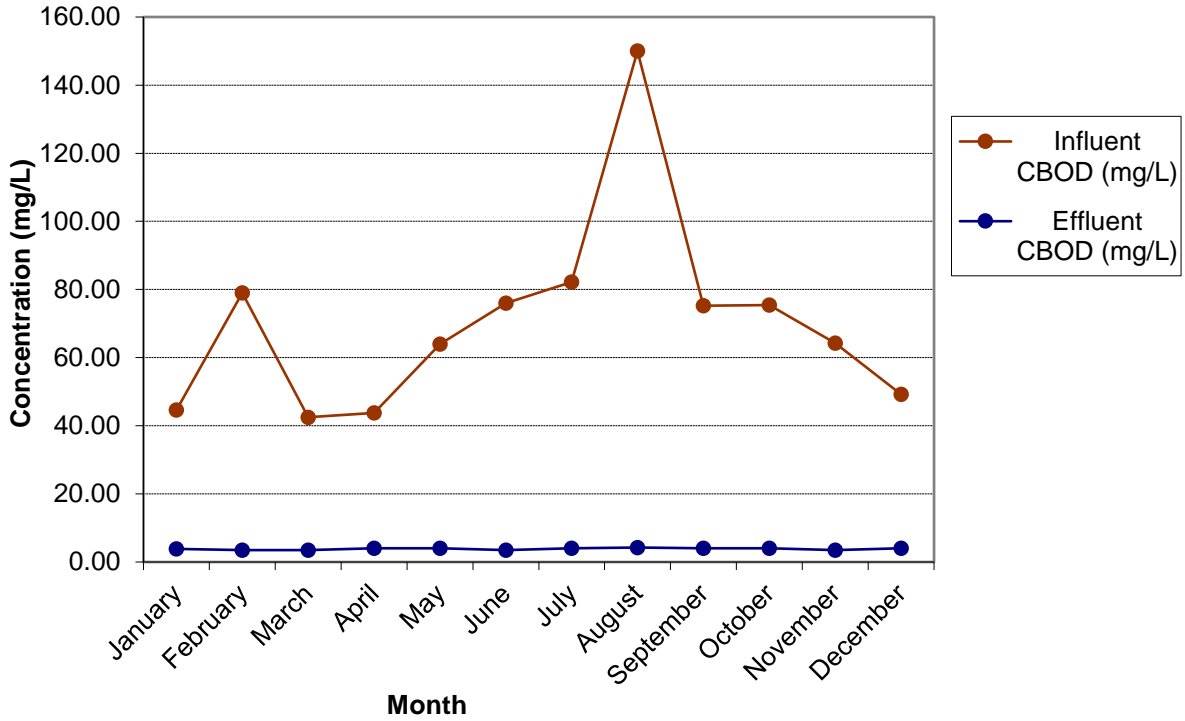
Effluent

Sampling Frequency: Weekly
Sample Type: Composite
Environmental Compliance Approval Requirement: Weekly
Compliance Objective: 5mg/L
Compliance Limit: 10mg/L
Compliance Limit Exceedance: No

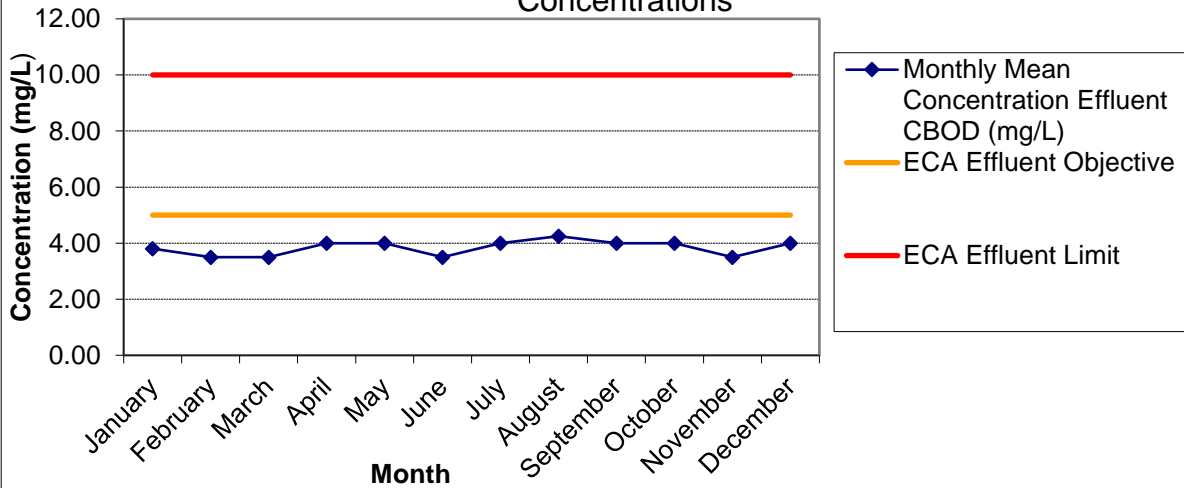
Table 4: Carbonaceous Biochemical Oxygen Demand Percent Removal Values

Month	Influent Carbonaceous Biochemical Oxygen Demand	Effluent Carbonaceous Biochemical Oxygen Demand	Percent Removal Carbonaceous Biochemical Oxygen Demand
	Monthly Mean Concentration		%
	mg/L	mg/L	
January	44.60	3.80	91.48
February	79.00	3.50	95.57
March	42.50	3.50	91.76
April	43.80	4.00	90.87
May	64.00	4.00	93.75
June	76.00	3.50	95.39
July	82.20	4.00	95.13
August	150.00	4.25	97.17
September	75.25	4.00	94.68
October	75.40	4.00	94.69
November	64.25	3.50	94.55
December	49.20	4.00	91.87

Carbonaceous Biochemical Oxygen Demand Monthly Average Influent CBOD vs. Effluent CBOD Values



Carbonaceous Biochemical Oxygen Demand Effluent Quality: Actual vs. Objective & Limit CBOD Concentrations



Total Suspended Solids (TSS)

Influent

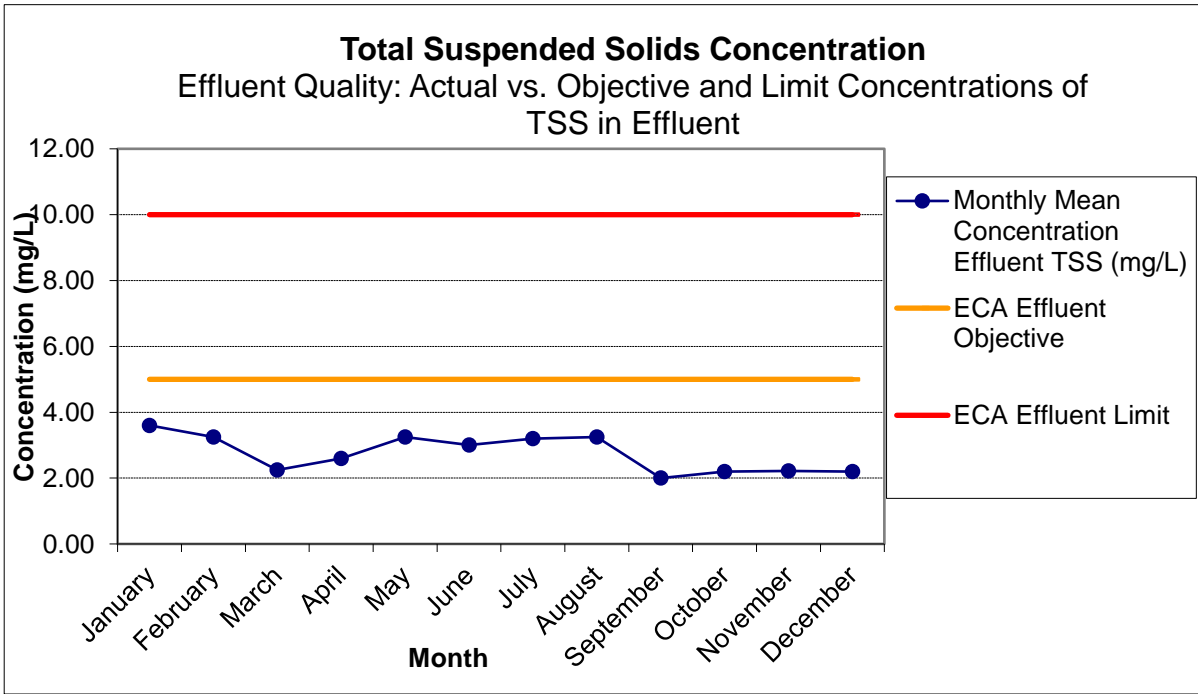
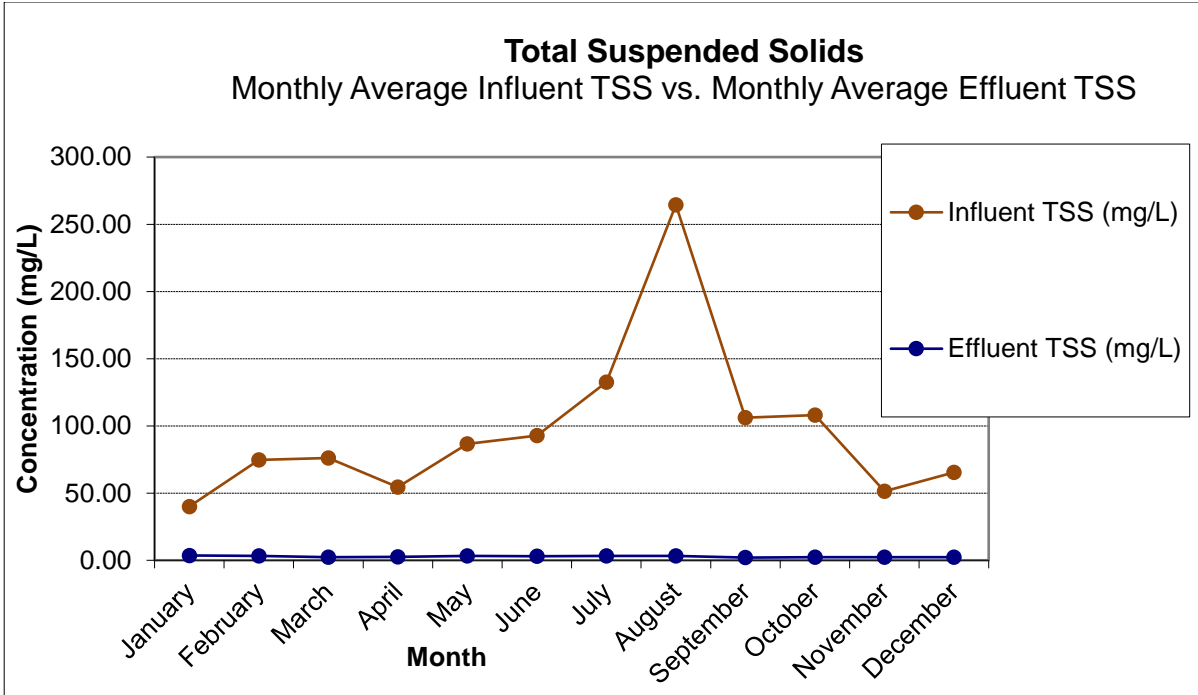
Sampling Frequency: Weekly
 Sample Type: Composite
 Environmental Compliance Approval Requirement: Weekly

Effluent

Sampling Frequency: Weekly
 Sample Type: Composite
 Environmental Compliance Approval Requirement: Weekly
 Compliance Objective: 5mg/L
 Compliance Limit Monthly Average Concentration: 10mg/L
 Compliance Limit Exceedance: No

Table 5: Total Suspended Solids Percent Removal Values

Month	Influent Total Suspended Solids	Effluent Total Suspended Solids	Percent Removal Total Suspended Solids
	Monthly Mean Concentration		%
	mg/L	mg/L	
January	40.00	3.60	91.00
February	74.75	3.25	95.65
March	76.00	2.25	97.04
April	54.40	2.60	95.22
May	86.50	3.25	96.24
June	92.75	3.00	96.77
July	132.50	3.20	97.58
August	264.50	3.25	98.77
September	106.00	2.00	98.11
October	108.00	2.20	97.96
November	51.25	2.22	95.67
December	65.40	2.20	96.64



Total Phosphorus (TP)

Influent

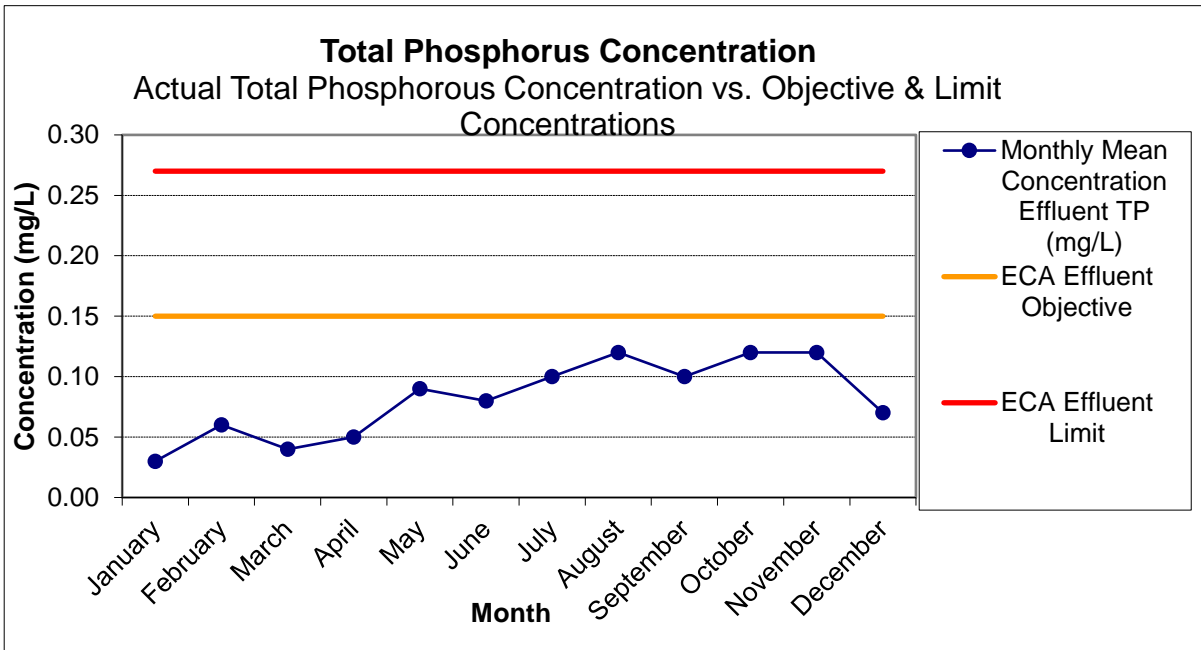
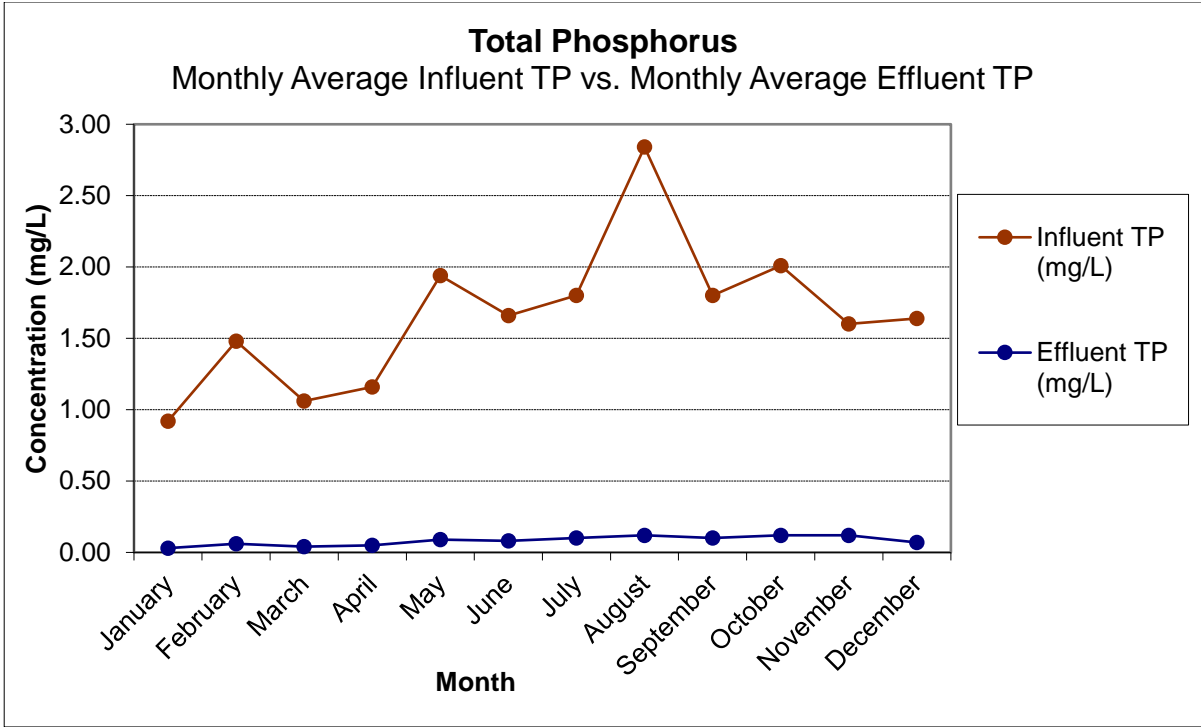
Sampling Frequency: Weekly
 Sample Type: Composite
 Environmental Compliance Approval Requirement: Weekly

Effluent

Sampling Frequency: Weekly
 Sample Type: Composite
 Environmental Compliance Approval Requirement: Weekly
 Compliance Objective: 0.15mg/L
 Compliance Limit Monthly Average Concentration: 0.27mg/L
 Compliance Limit Monthly Average Daily Waste Loading: 1.63kg/d
 Compliance Limit Exceedance: No

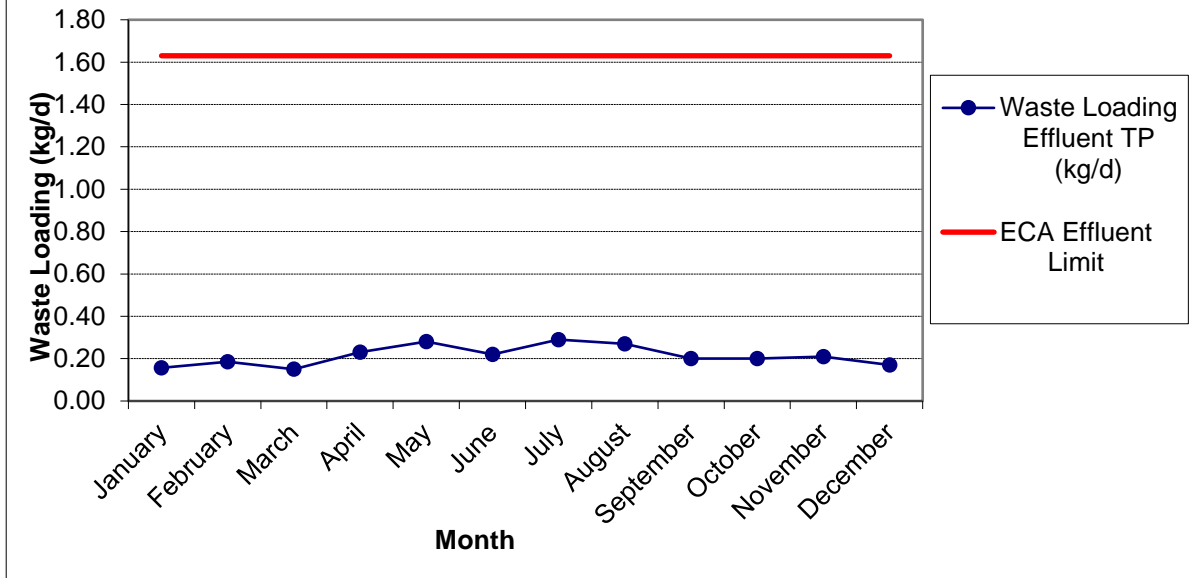
Table 6: Total Phosphorus Percent Removal Values

Month	Influent Total Phosphorus	Effluent Total Phosphorus	Percent Removal Total Phosphorus
	Monthly Mean Concentration		%
	mg/L	mg/L	
January	0.92	0.03	96.74
February	1.48	0.06	95.95
March	1.06	0.04	96.23
April	1.16	0.05	95.69
May	1.94	0.09	95.36
June	1.66	0.08	95.18
July	1.80	0.10	94.44
August	2.84	0.12	95.77
September	1.80	0.10	94.44
October	2.01	0.12	94.03
November	1.60	0.12	92.50
December	1.64	0.07	95.73



Total Phosphorus Waste Loading

Actual Total Phosphorous Waste Loading vs. Limit Waste Loading



pH

Influent

Sampling Frequency: Weekly (minimum)
Sample Type: Grab
Environmental Compliance Approval Requirement: N/A

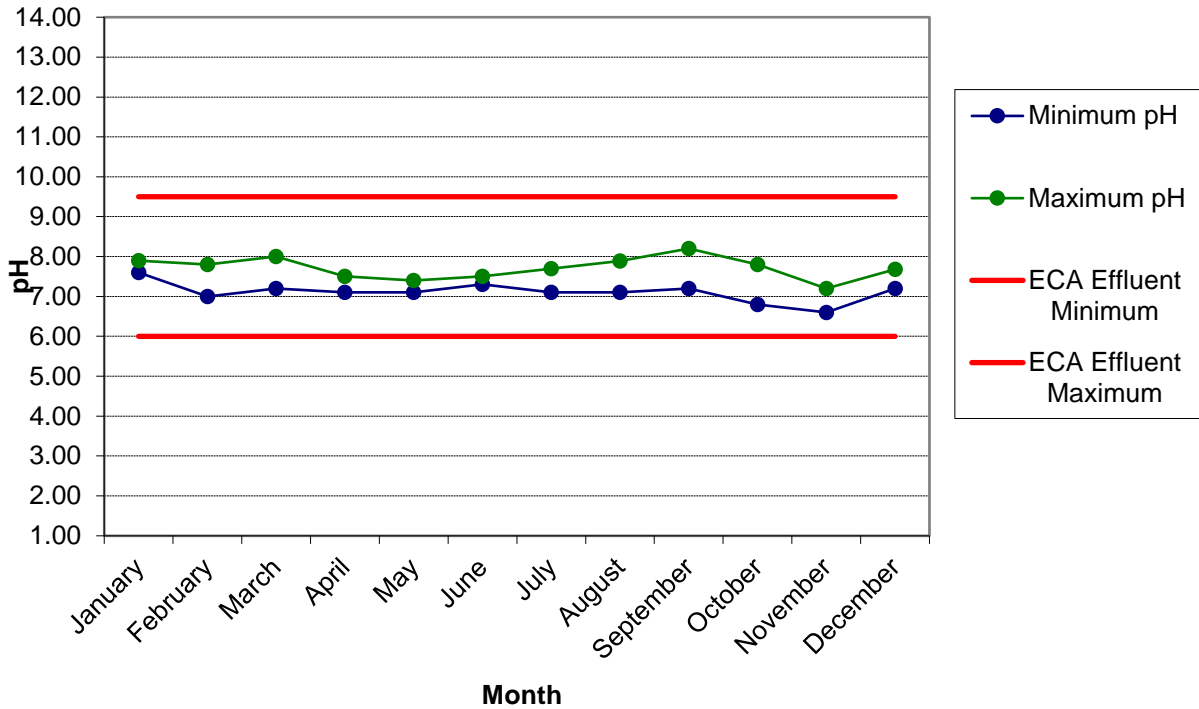
Effluent

Sampling Frequency: Weekly (minimum)
Sample Type: Grab
Environmental Compliance Approval Requirement: Weekly
Compliance Objective: Range 6-9.5
Compliance Limit: Range 6-9.5
Compliance Limit Exceedance: No

Table 7: pH Minimum and Maximum Values

Month	Minimum pH	Maximum pH
January	7.60	7.90
February	7.00	7.80
March	7.20	8.00
April	7.10	7.50
May	7.10	7.40
June	7.30	7.50
July	7.10	7.70
August	7.10	7.89
September	7.20	8.20
October	6.80	7.80
November	6.60	7.20
December	7.20	7.68

pH
pH Values vs. Minimum and Maximum Certificate of Approval
Limits



Disinfection: *Escherichia coli* (*E. coli*) Geometric Mean Density

Influent

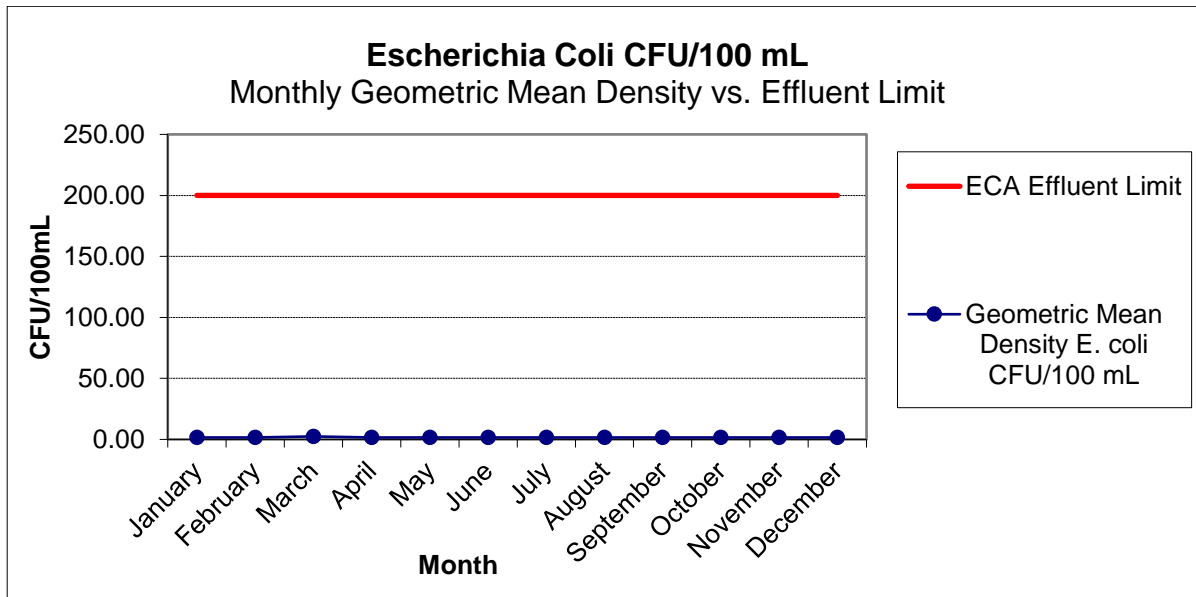
Sampling Frequency: N/A
 Environmental Compliance Approval Requirement: N/A

Effluent

Sampling Frequency: Weekly
 Sample Type: Grab
 Environmental Compliance Approval Requirement: Weekly
 Compliance Objective: 200 CFU/100mL Geometric Mean Density
 Compliance Limit: 200 CFU/100mL Geometric Mean Density
 Compliance Limit Exceedance: No

Table 8: *Escherichia coli* Geometric Mean Density Values

Month	Geometric Mean Density
	CFU/100mL
January	1.58
February	1.68
March	2.45
April	1.58
May	1.68
June	1.68
July	1.58
August	1.68
September	1.63
October	1.58
November	1.57
December	1.58



Nitrogen Removal

Total Ammonia Nitrogen (TAN)

Influent

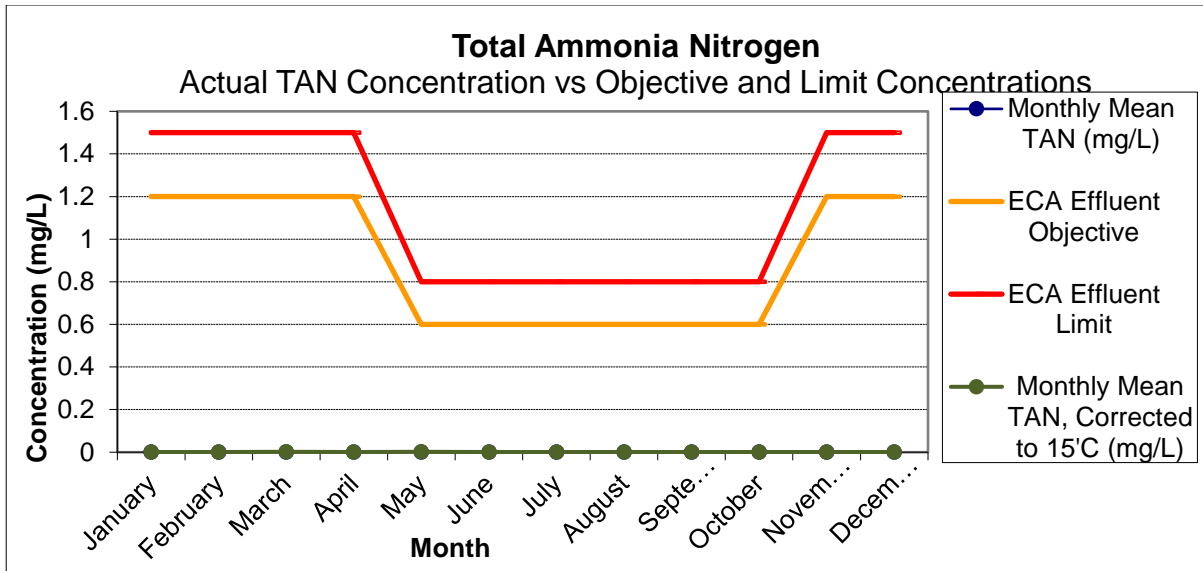
Sampling Frequency: Weekly (Monitoring)
 Sample Type: Composite
 Environmental Compliance Approval Requirement: N/A

Effluent

Sampling Frequency: Weekly
 Sample Type: Composite
 Environmental Compliance Approval Requirement: Weekly
 Compliance Objective: May–October 0.6mg/L, November–April 1.2mg/L
 Compliance Limit: May–October 0.8mg/L, November–April 1.5mg/L
 Compliance Limit Exceedance: No

Table 9: Total Ammonia Nitrogen Values

Month	Total Ammonia Nitrogen Concentration Effluent	Total Ammonia Nitrogen Concentration Effluent, Temperature Corrected to 15°C
	Monthly Mean	
	mg/L	mg/L
January	0.001	0.001
February	0.001	0.001
March	0.001	0.002
April	0.001	0.001
May	0.001	0.002
June	0.001	0.001
July	0.001	0.001
August	0.001	0.001
September	0.001	0.001
October	0.001	0.001
November	0.001	0.001
December	0.001	0.001



Effluent Toxicity: Rainbow Trout and *Daphnia magna* Acute Mortality Testing

Influent

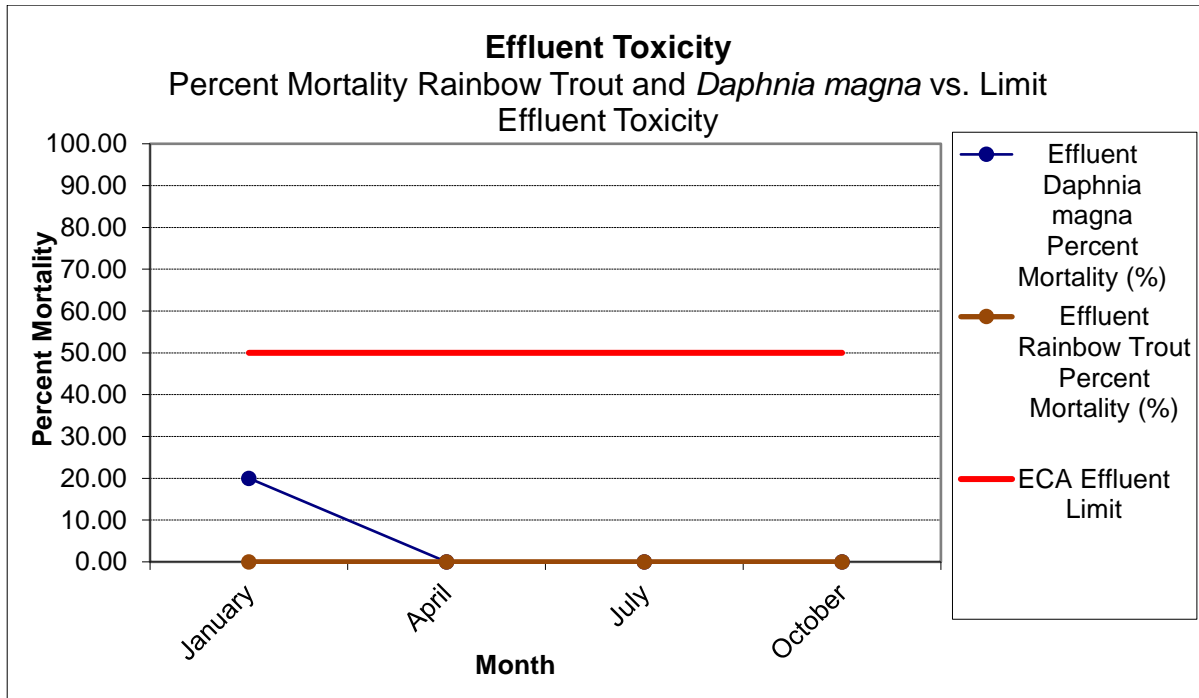
Sampling Frequency: N/A
 Sample Type: N/A
 Environmental Compliance Approval Requirement: N/A

Effluent

Sampling Frequency: Quarterly
 Sample Type: Grab
 Environmental Compliance Approval Requirement: Monthly, reduced to quarterly after 12 consecutive non-toxic samples. (Condition satisfied.)
 Compliance Objective: Non-toxic effluent
 Compliance Limit: Non-toxic effluent (Percent Mortality <50%)
 Compliance Limit Exceedance: No

Table 10: Effluent Toxicity Values

Month	Effluent <i>Daphnia magna</i> Percent Mortality	Effluent Rainbow Trout Percent Mortality
	%	%
January	20	0
April	0	0
July	0	0
October	0	0



Capacity Assessment: Influent and Effluent Quantities

Table 11: Influent Quantity; Flow Data

Month	Approved Capacity (Rated Capacity) ¹	Monthly Average	Approved Capacity (Peak Daily Flow Rate) ²	Monthly Peak Flow
	m ³ /day	m ³ /day	m ³ /day	m ³ /day
January	6000	4608.37	26400	10684.87
February	6000	3387.08	26400	4690.02
March	6000	3742.53	26400	4888.70
April	6000	4867.81	26400	8860.21
May	6000	3152.18	26400	3907.18
June	6000	2710.65	26400	4160.07
July	6000	2896.61	26400	3885.68
August	6000	2317.57	26400	2720.96
September	6000	1990.63	26400	2720.32
October	6000	1717.00	26400	2000.83
November	6000	1688.24	26400	2112.37
December	6000	2372.22	26400	4425.49
Annual	6000	2942		

Note¹: As per ECA No. 5464-AKATW7, “Rated Capacity” is defined as the Annual Average Daily Flow for which the Sewage Treatment Plant is designed to handle. The Picton WWTP maintained an average daily flow within approved capacity requirements for the 2024 operational year.

Note²: As per ECA No. 5464-AKATW7, “Peak Flow Rate” is defined as the Peak Instantaneous Flow Rate, Peak Hourly Flow Rate or Peak Daily Flow Rate for which the Sewage Treatment Plant or treatment process unit or equipment is designed to handle, as appropriate. The Picton WWTP maintained Peak Daily Flow Rate within approved capacity requirements for the 2024 operational year.

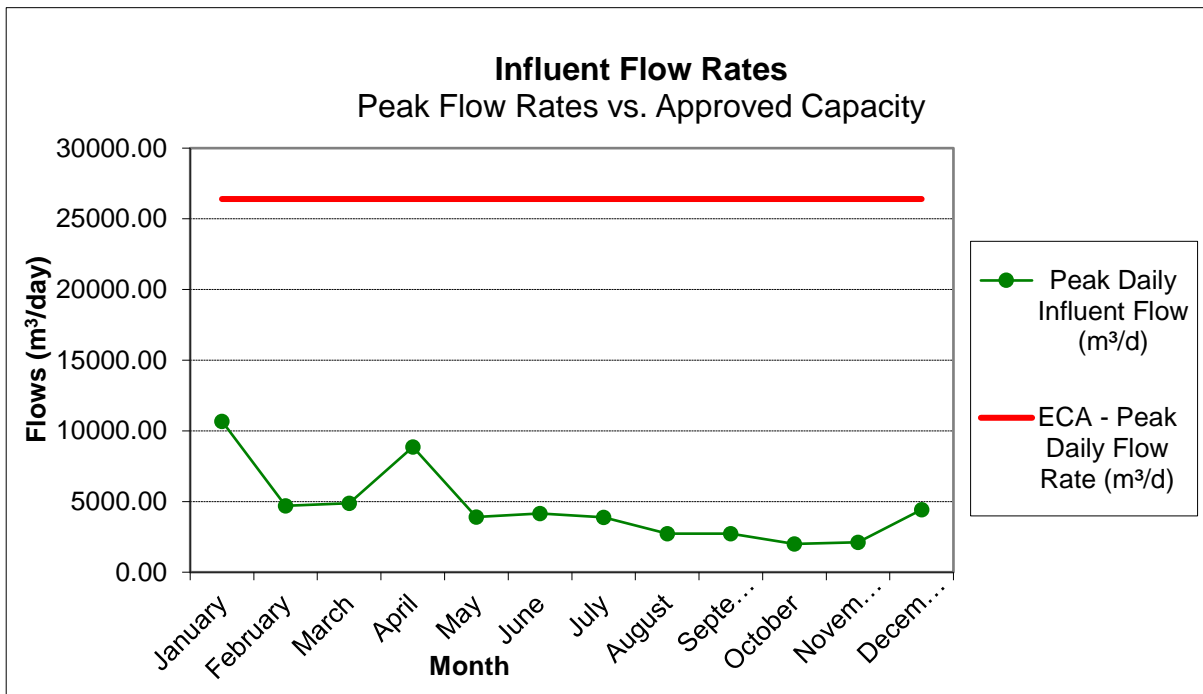
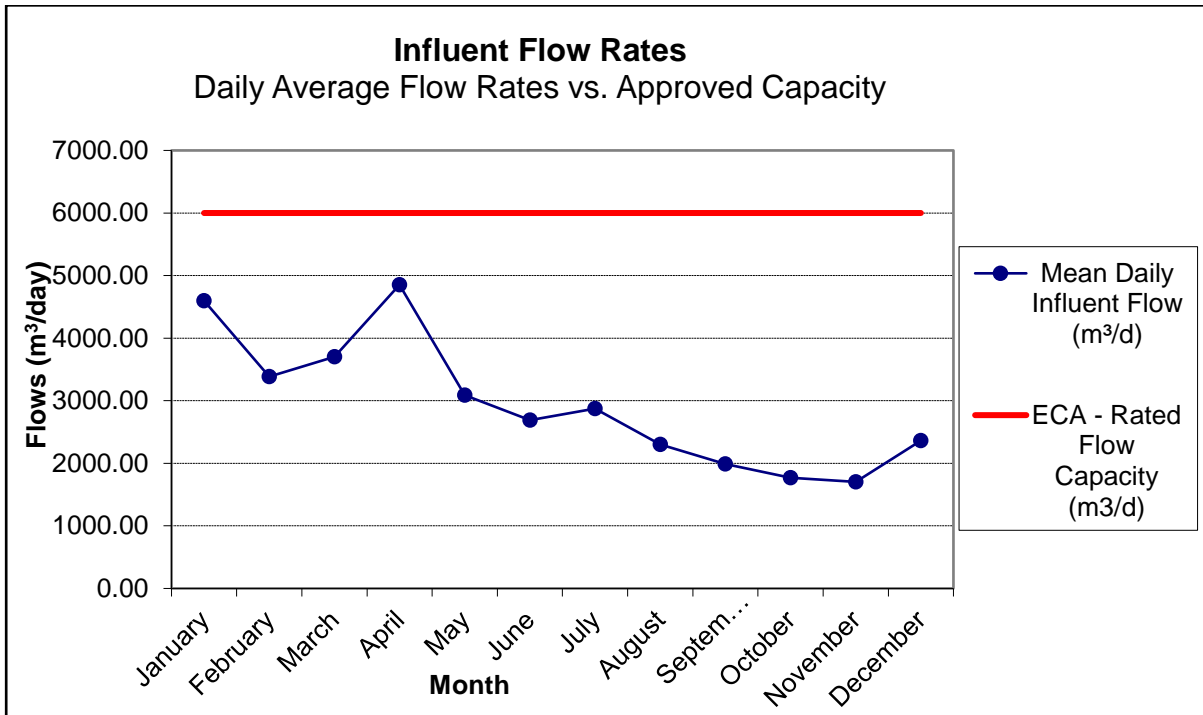


Table 12: Historical Influent Flows

Year	Total Influent Flow	Annual Average Daily Flow
	m ³	m ³ /day
2015	865255.04	2370.56
2016	977265.12	2670.12
2017	1308584.33	3585.16
2018	1142974.13	3131.44
2019	1195875.12	3276.37
2020	1023748.86	2793.59
2021	858004.49	2350.70
2022	1130953.94	3098.50
2023	1290722.78	3536.23
2024	1076771.04	2364.61

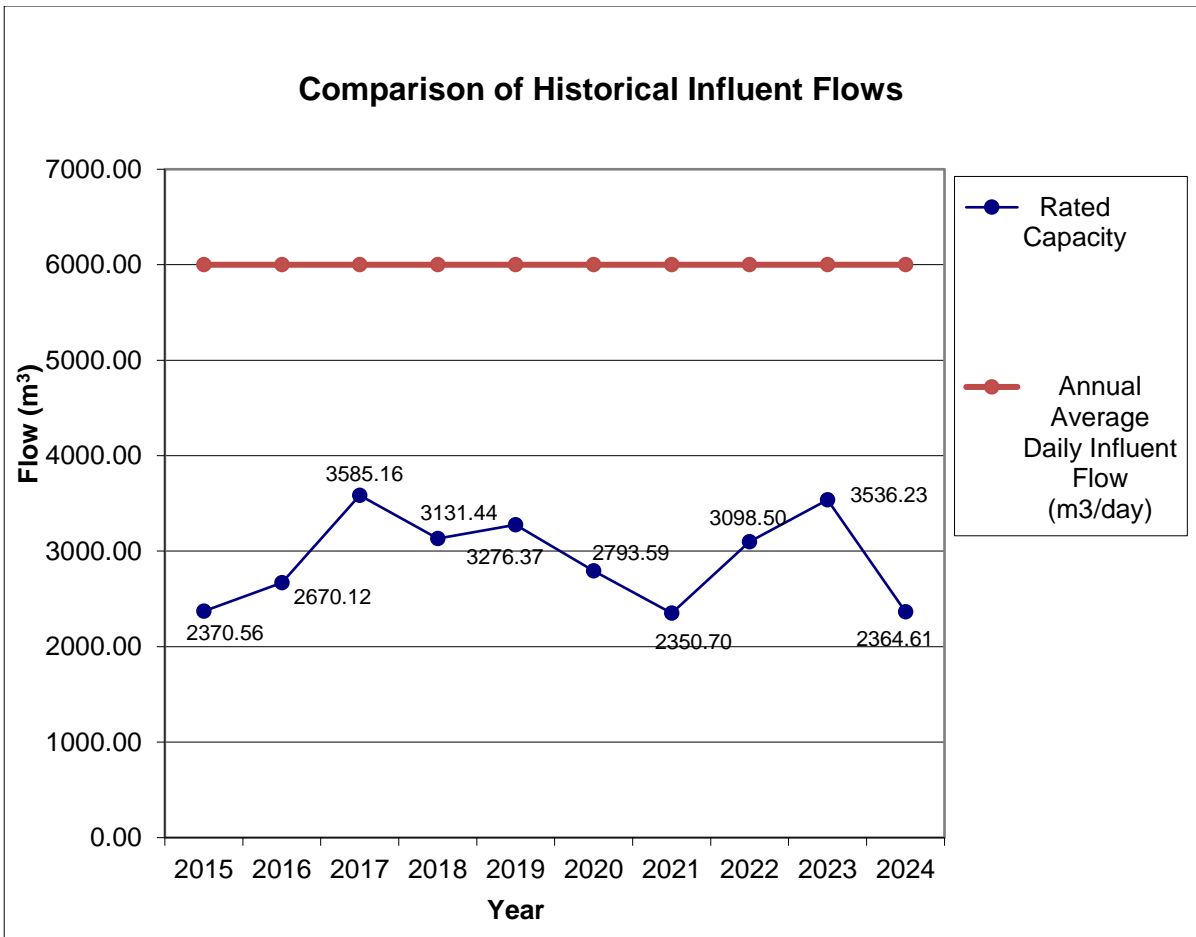
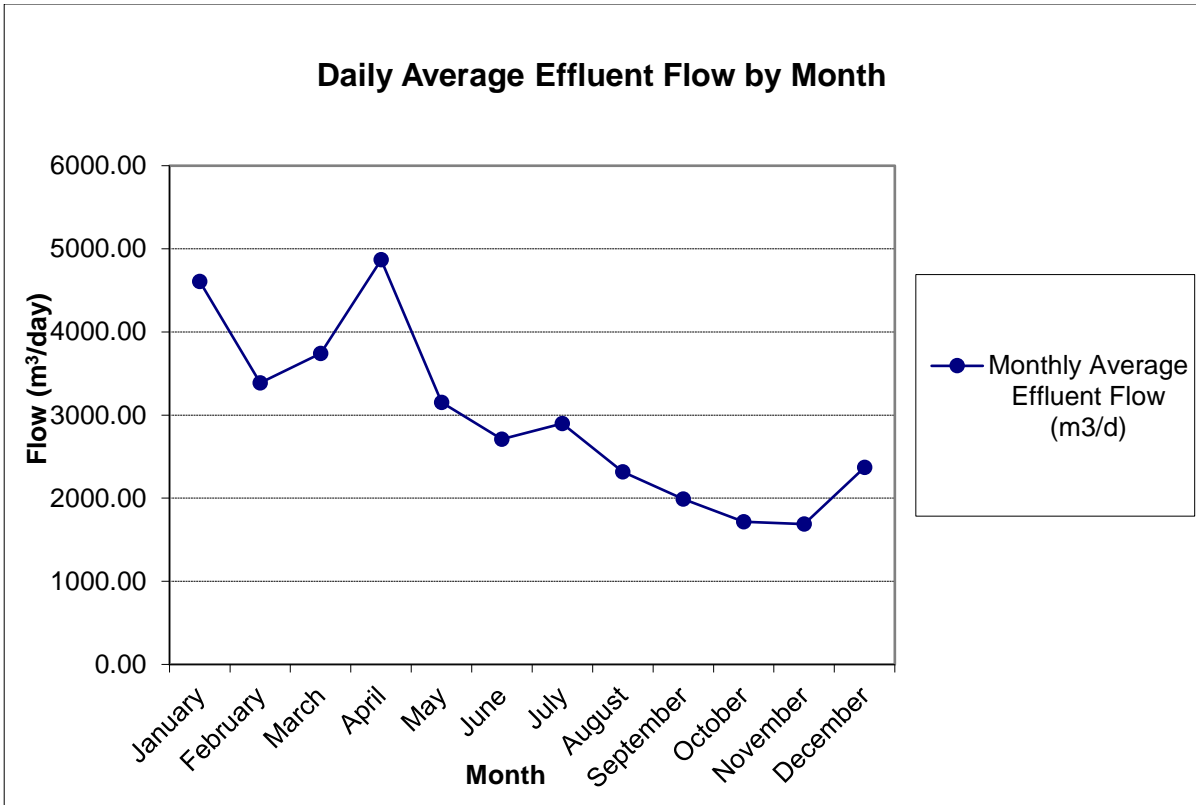


Table 13: Effluent Quantity Flow Data

Month	Monthly Average	Total Flow
	m ³ /day	m ³
January	4608.37	142859.46
February	3387.08	98225.43
March	3742.53	116018.49
April	4867.81	146034.29
May	3152.18	97717.50
June	2710.65	81316.74
July	2896.61	89794.88
August	2317.57	71844.58
September	1990.63	59719.02
October	1717.00	53226.90
November	1688.24	50647.22
December	2372.22	73538.67



Operating Problems and Corrective Actions

Condition 11.4(b) - (ECA No. 5464-AKATW7)

Table 15: A description of any operating problems encountered and corrective actions taken:

Date Discovered	Date Resolved	Affected Equipment or Process	Description of any Operating Problems Encountered	Corrective Actions
<i>There were no operational problems encountered in 2024.</i>				

Maintenance Summary

Condition 11.4(c) - (ECA No. 5464-AKATW7)

Summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the works:

Routine preventative maintenance performed throughout the reporting period:

Collection System: Pumping Stations

- Annual electrical work-orders
- Annual Health and Safety equipment work-orders (fire extinguishers, lifting devices, gas detection equipment, etc.)
- Annual wet well cleaning, inspection and maintenance
- Annual equipment maintenance, calibrations and inspections (generators, submersible pumps flow meters, et. al.)

Treatment System: Picton Wastewater Treatment Plant

- Annual electrical work-orders
- Annual Health and Safety equipment work-orders (fire extinguishers, lifting devices, gas detection equipment, etc.)
- Annual equipment maintenance, calibrations and inspections (blowers, compressors, generators, submersible pumps, flow meters, laboratory equipment, et. al.)
- Monthly equipment maintenance and inspections (wet well inspections, UV disinfection equipment inspections, headworks equipment inspections, tertiary treatment inspections, pressure sustaining valve, et. al.)
- Required cleaning and inspection of tanks (as necessary)
- Biosolids removal
- Full inspection of UV banks. 12000-hour service requirement for proper operation of the UV disinfection system. Replacement of all UV lamps and sleeves. Annual maintenance.

Table 14: Additional Maintenance

System	Date Completed	Equipment/Process	Description of Maintenance
SPX	Jan 4, 2024	Low Level Float Alarm	During routine testing the float failed to test properly. The float was replaced by electrical contractor.
SPT	Jan 11, 2024	Grit Vortex Controls	During daily inspection it is was identified that the hour meter failed to keep proper hours. The hour meter was replaced by an electrical contractor.
SPX	Jan 11, 2024	Bar Screen	Operations were experiencing an increase in flushable wipes from the catchment area of the pump station. The wipes would clog the bar screen

			and clog the pumps. A perforated fiberglass board was put in place to catch all the flushable wipes.
SPX	Feb 2, 2024	Lalor Street Sewage Pumping Station	During electrical maintenance, it was identified that additional maintenance on pump seals was required. 250HP sewage pump was removed from service for rebuild. Pump was rebuilt by third part contractor, tested and returned to service. Redundant pumps were in place while pump was out of service.
SPX	Feb 5, 2024	Tertiary Treatment	The reject valve actuator in filter 1 was found to be below the water line. This would reduce the lifespan of the actuator so it was raised above the water line.
SPX	Feb 7, 2024	Tertiary Treatment	During routine inspection the air lift in filter 3 was removed and found to be broken. The air lift was rebuilt and returned to service.
SPX	Mar 4, 2024	Standby Generator	The generator control panel wiring was found to be damaged by vermin. An electrical contractor repaired the wires and the generator was returned to service. Mouse deterrent and traps were placed inside of the generator enclosure.
SPT	Mar 7, 2024	Electrical Equipment	Annual preventative maintenance on 600V motor control centers throughout the Picton Wastewater Treatment Facility.
SPT	Mar 8, 2024	Picton Collection System	A sewer lateral had broken in the municipal road allowance. The sewer lateral was replaced from the property line to the sewer main.
SPX	Mar 22, 2024	Standby Generator	During routine inspection the coolant line on block heater was found to be leaking. The line was repaired by contracted mechanic.
SPT	Oct 10, 2024	Secondary Clarification	The secondary clarifier collector had a major drive component failure. . The fiberglass drive shaft broke. Emergency replacement parts were ordered and repaired by a contractor.
SPX	May 23, 2024	Bridge Street Sewage Pumping Station	The old sewage pump was at the end of life and fixtures were not compatible with the pumps currently in use. The old Removed the old sewage pump and replaced with a new pump and pump base.
SPT	June 10, 2024	Surge Valve Chamber Float Alarm	During routine inspection and testing the float alarm failed. Float was replaced, tested and put in service.
SPT	June 10, 2024	Surge Valve Chamber pump	During routine inspection and testing the pump failed to remove water from the chamber. Pump was removed, cleaned, tested and placed back into service.
SPT	Aug 7, 2024	Aeration Blowers	Capital project in replacing electric equipment for aeration blowers. Manufacturer required upgrade due to obsolete parts
SPT	Aug 8, 2024	Disinfection	During routine inspection a UV lamp was seen to be faulty. Staff changed the UV lamp and placed the UV module back in service.
SPT	Dec 11, 2024	Secondary Clarification	Sludge collector drive electrical limit switch was faulty from inspection. Faulty limit switch was replaced by electrical contractor
SPX	Dec 16, 2024	Picton Collection System	Sewer lateral repair from customer complaint. Upon CCTV inspection the lateral connection at property line had shifted creating a blockage in flow. Sewer lateral was excavated and repaired by contractor.
SPT	Dec 30, 2024	Head Works Building	Mechanical bar screen failure. Brush that cleans the perforated bar screen failed. Mechanical bar screen was taken out of service, parts ordered.

Effluent Quality Assurance and Control Measures

Condition 11.4(d) - (ECA No. 5464-AKATW7)

Quality Assurance

The Picton Wastewater Treatment Plant implements quality assurance strategies to ensure consistent compliance with regulatory and operational standards. Quality assurance focuses on preventing issues before they occur by establishing structured procedures, staff training, and maintenance programs. The plant follows manufacturer-recommended calibration and maintenance schedules, completes sampling beyond the required parameters, and operates according to the engineering recommendations and standard operating procedures. These proactive measures help uphold operational efficiency and ensure effluent quality through process control.

Quality Control

The Picton Wastewater Treatment Plant applies quality control measures to ensure that treated effluent consistently meets regulatory and operational standards. Quality control focuses on detecting and

correcting issues through regular sampling, testing, and system checks. Effluent quality is monitored against compliance limits. Any deviations require root cause analysis and trigger corrective actions.

Effluent analysis for all compliance and monitoring parameters under Environmental Compliance Approval No. 5464-AKATW7 are conducted by accredited laboratories, SGS Lakefield and SGS London, with Caduceon Environmental Laboratories as a secondary backup. Sample collection and in-house analysis are performed by licensed wastewater operators.

Sampling follows required frequencies and defined methods, and referenced against to compliance design limits and objectives. Additional samples are taken during bypasses, overflows, or abnormal conditions. Beyond regulatory requirements, additional in-house and laboratory samples assess treatment effectiveness and determination of removal efficiencies. Ongoing evaluation of non-regulated monitoring samples support effluent quality control and process optimization.

Third-party calibration of flow meters, routine equipment checks, and SCADA alarm monitoring further support process reliability. By continuously analyzing performance data and making necessary adjustments, the plant maintains high treatment efficiency and protects the receiving environment.

Effluent Monitoring Equipment Maintenance and Calibration

Condition 11.4(e) - (ECA No. 5464-AKATW7)

All monitoring equipment is calibrated and maintained according to the manufacturer's recommendations. Calibrations are scheduled through a preventative maintenance database, which tracks due dates and logs completed work.

Licensed operators perform routine maintenance, while flow measuring devices at the Wellington Wastewater Treatment Facility undergo annual calibration by a certified third-party service provider. Other operational equipment is submitted for third-party review as needed.

Table 15: Flow Measuring Equipment Calibrations

Equipment Location	Description	Calibrated By	Calibration Date
Picton WWTP (Final Effluent Measured at Lalor Street Pump Station)	Final Effluent Flowmeter (FIT 701) (Dissipation Chamber)	Tower Electronics Canada Inc.	July 16, 2024

Design Objectives Assessment

Condition 11.4 (f) - (ECA No. 5464-AKATW7)

As per ECA No. 5464-AKATW7, Condition 6, The Owner shall:

1. Use best efforts to design, construct and operate the Works such that the design objectives of the materials named below as effluent parameters are achieved in the Final Effluent from the Sewage Treatment Plant:

- a. Effluent parameters with concentration objective:

Effluent Parameter	Concentration Objective (mg/L unless otherwise indicated)	Averaging Period
Biochemical Oxygen Demand (BOD5)	5	Monthly
Total Suspended Solids (TSS)	5	Monthly

Total Phosphorus (TP)	0.15	Monthly
Total Ammonia Nitrogen (NH ₃ -N) May-October	0.6	Monthly
Total Ammonia Nitrogen (NH ₃ -N) November-April	1.2	Monthly

- b. pH within the range of 6.0-9.5, inclusive at all times,
- c. The Final Effluent is essentially free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film or sheen or foam or discoloration on the receiving waters,
- d. The Final Effluent is continuously disinfected so that the monthly Geometric Mean Density of E.coli does not exceed 200 organisms per 100 milliliters of Final Effluent,
- e. The Final Effluent is non-acutely lethal to Rainbow Trout and Daphnia magna.

- 2. Use best efforts to operate the Works within the Rated Capacity of the Sewage Treatment Plant and the Peak Flow Rates of all components of the Works,
- 3. Make an assessment of the issues and recommendation of pro-active actions if any is required under the following situations and include in the annual report to the Water Supervisor:
 - a. when any of the design objectives is not achieved consistently;
 - b. when the Annual Average Daily Flow reaches 80% of the Rated Capacity.

The Picton Wastewater Treatment Plant is operated and maintained to meet its design objectives by adhering to regulatory requirements, implementing proactive maintenance and calibration programs, conducting comprehensive monitoring, and continuously optimizing treatment processes.

Individual statements of compliance with design limits and objectives are noted within the monitoring data assessments. The following summarizes instances wherein the design objectives were not met:

- There were no events wherein the design objectives were not met.
- While the annual average daily influent flow remained within the rated capacity, there were 10 daily events of rated capacity exceedance.

There are no circumstances in which any of the design objectives were not achieved consistently and there appears to be no increasing trend in deterioration of final effluent quality against previous years. The annual average daily influent flow remains below 80% of the rated capacity.

Biosolids Management

Condition 11.4(g) - (ECA No. 5464-AKATW7)

All sludge generated during 2024 was land applied in Prince Edward County by GFL Environmental Inc. The sludge volumes can be assessed as listed below in **Table 16: Biosolids Management Quantities**.

Table 16: Biosolids Management Quantities for Picton Wastewater Treatment Plant

Date	NASM	Farmer/ Landowner	Township	Ward	Total Volume
	#				m ³
October 3, 2024	60858	Gary Parks	Prince Edward	Hallowell	2640
Total					2640

For 2025, biosolids will go to tender for land application. The disposal will occur at approved site(s) within the boundaries of Prince Edward County. It is expected that the volume of sludge generated will be comparable to 2024 volumes.

Complaints and Customer Concerns

Condition 11.4(h) - (ECA No. 5464-AKATW7), Condition 4.6.6 - (CLI-ECA 162-W601)

Customer complaints and associated corrective actions are outlined as follows:

- January 30, 2024: Sewage backup reported in a private residence. Plumber responded to the site and advised that there was a blockage on the municipal sewer. Staff investigated and determined that the sewer was operating as intended and that the responsibility for blockages and maintenance for the sewer lateral to the main is that of the property owner. Information was provided to prevent future occurrence.
- March 1, 2024: Sewage backup reported in a private residence. Plumber responded to the site and advised that there was a blockage on the lateral. Staff investigated and determined that the sewer was operating as intended and that the responsibility for blockages and maintenance for the sewer lateral to the main is that of the property owner.
- March 12, 2024: Sewage backup reported in a private residence. Owner believes the issue began after work was done on sewer main on their street. A contractor determined that there was a large build-up of grease in the sewer lateral within the property and used a commercial rodding machine to the sewer main. They did determine a low spot in the sewer lateral with standing water. The property owner was informed that they would be responsible for repairing the sewer lateral within the property.
- April 15, 2024: Sewage backup reported in a private residence. Staff investigated and determined that the sewer was operating as intended. Staff investigated and determined that the sewer was operating as intended and that the responsibility for blockages and maintenance for the sewer lateral to the main is that of the property owner.
- April 18, 2024: Sewage backup reported at the elementary school. School board employee stated that roots were found in the lateral near the roadway. Staff investigated and determined that the sewer was operating as intended and that the responsibility for blockages and maintenance for the sewer lateral to the main is that of the property owner.
- June 13, 2024: Residents in the area of a pumping station reported an alarm going off. Staff responded and addressed the alarm.
- September 17, 2024: Sewage backup reported in a private residence. Plumber responded to the site and advised that there was a blockage in the municipal sewer. Staff investigated and determined that the sewer was operating as intended and that the responsibility for blockages and maintenance for the sewer lateral to the main is that of the property owner.

Event Summary

Condition 11.4(i) - (ECA No. 5464-AKATW7)

Table 17: Event Summary

Date	Description
<i>No events of bypass, spill, upset conditions, or events outside of normal operating conditions have been identified for the reporting period.</i>	

Notice of Modifications

Condition 11.4(j), (k) - (ECA No. 5464-AKATW7)

There were no Notice of Modifications submitted during this reporting period. Normal and emergency operational modifications to existing approved sewage works equipment are outlined in the Maintenance Summary under *Condition 11.4(c)*.

Additional Information

Condition 11.4(l) - (ECA No. 5464-AKATW7)

There was no additional information required by the Water Supervisor in the reporting period.

OPERATIONAL REPORTS

WELLINGTON WWTP

**ANNUAL PERFORMANCE REPORT
(ECA NO. 0003-CGGME6)**



TheCounty
PRINCE EDWARD COUNTY • ONTARIO

2024 Annual Wastewater Performance Report

The Corporation of the County of Prince Edward
Wellington Wastewater Treatment Facility
MECP Identifier No. 120003165
Environmental Compliance Approval: ECA No. 0003-CGGME6

Wellington sanitary collection system services the town of Wellington through a network of underground collection infrastructure and two pump stations located at Wharf Street and Harbour Street. A third pump station located at the treatment facility receives flows from the entire collection system and channels it through the treatment process. The Wellington Wastewater Treatment Facility is a Class 2 extended aeration treatment facility with secondary treatment and ozone disinfection. Wet weather flow equalization facilities were added to the treatment system (commissioned in 2023) to divert a portion of influent sanitary sewage during peak flow events as needed to reduce the risk of impacts to the treatment system. Disinfected final effluent is discharged via a 600mm pipe to Lake Ontario. Standby generators are in place in the event of a utility power failure.

Wellington Environmental Compliance Approval: ECA No. 0003-CGGME6, Condition 11-4

The annual reporting requirements as per Environmental Compliance Approval (ECA) number 0003-CGGME6 have been listed below. In accordance with Condition 11-4, *The Owner shall prepare performance reports on a calendar year basis and submit to the District Manager by March 31 of the calendar year following the period being reported on. The reports shall contain, but shall not be limited to, the following information pertaining to the reporting period:*

- a. *a summary and interpretation of all Influent monitoring data, and a review of the historical trend of the sewage characteristics and flow rates;*
- b. *a summary and interpretation of all Final Effluent monitoring data, including concentration, flow rates, loading and a comparison to the design objectives and compliance limits in this Approval, including an overview of the success and adequacy of the Works;*
- c. *a summary of all operating issues encountered and corrective actions taken;*
- d. *a summary of all normal and emergency repairs and maintenance activities carried out on any major structure, equipment, apparatus or mechanism forming part of the Works;*
- e. *a summary of any effluent quality assurance or control measures undertaken;*
- f. *a summary of the calibration and maintenance carried out on all Influent and Final Effluent monitoring equipment to ensure that the accuracy is within the tolerance of that equipment as required in this Approval or recommended by the manufacturer;*
- g. *a summary of efforts made to achieve the design objectives in this Approval, including an assessment of the issues and recommendations for pro-active actions if any are required under the following situations:*
 - i. *when any of the design objectives is not achieved more than 50% of the time in a year, or there is an increasing trend in deterioration of Final Effluent quality;*
 - ii. *when the Annual Average Daily Influent Flow reaches 80% of the Rated Capacity;*
- h. *a tabulation of the volume of sludge generated, an outline of anticipated volumes to be generated in the next reporting period and a summary of the locations to where the sludge was disposed;*
- i. *a summary of any complaints received and any steps taken to address the complaints;*

- j. a summary of all Bypasses, Overflows, other situations outside Normal Operating Conditions and spills within the meaning of Part X of EPA and abnormal discharge events;
- k. Condition 11.4 (k) a summary of all Notice of Modifications to Sewage Works completed under Paragraph 1.d. of Condition 10, including a report on status of implementation of all modification.
- l. a summary of efforts made to achieve conformance with Procedure F-5-1 including but not limited to projects undertaken and completed in the sanitary sewer system that result in overall Bypass/Overflow elimination including expenditures and proposed projects to eliminate Bypass/Overflows with estimated budget forecast for the year following that for which the report is submitted.
- m. any changes or updates to the schedule for the completion of construction and commissioning operation of major process(es) / equipment groups in the Proposed Works.
- n. a summary of any deviation from the monitoring schedule and reasons for the current reporting year and a schedule for the next reporting year;

Monitoring and Analytical Data

Condition 11.4(a), (b) and (g) - (ECA No. 0003-CGGME6)

Summary of all monitoring and analytical data collected relative to the works during the reporting period:

Table 1a: Compliance Parameter Assessments

Parameters	CBOD		TSS		Total Phosphorus	
	Monthly Mean Concentration	Average Waste Loading	Monthly Mean Concentration	Average Waste Loading	Monthly Mean Concentration	Average Waste Loading
ECA Limits	25	37.5	25	37.5	1.0	0.75
ECA Objectives	15	37.5	15	37.5	0.5	0.75
Month	mg/L	kg/d	mg/L	kg/d	mg/L	kg/d
January	3.40	6.93	3.60	7.33	0.07	0.13
February	3.50	4.28	4.25	5.20	0.05	0.06
March	3.25	3.97	3.50	4.28	0.06	0.07
April	4.00	6.73	6.00	10.10	0.09	0.15
May	4.00	4.45	2.75	3.06	0.11	0.12
June	4.00	4.40	4.00	4.35	0.09	0.10
July	4.00	5.84	3.60	5.25	0.06	0.08
August	4.00	4.14	2.50	2.59	0.08	0.08
September	3.50	2.73	2.50	1.95	0.83	0.65
October	4.00	1.73	2.40	1.04	0.08	0.03
November	3.25	1.28	4.00	1.58	0.11	0.04
December	5.00	2.76	6.40	3.54	0.09	0.05

Note: Schedule C of Environmental Compliance Approval Number 0003-CGGME6 indicates average loading and concentration limits for compliance assessment of carbonaceous biochemical oxygen demand, total suspended solids and total phosphorus against results achieved. September monthly mean concentration of total phosphorus exceed the design objectives listed. There were no other design limit or objective exceedances.

Table1b: Escherichia coli and pH Effluent Quality Assessment

Parameters	E. coli	pH	
	Geometric Mean Density		
Limits	200	6.0	9.5
Objective		6.5	9
Month	CFU/100mL	Min	Max
January	7.13	7.00	7.40
February	12.06	7.10	7.41
March	3.25	7.27	7.33
April	2.00	6.59	7.17
May	4.76	7.00	7.48
June	2.00	7.16	7.45
July	53.03	6.85	7.51
August	2.38	6.68	7.31
September	4.90	6.90	7.29
October	2.86	6.70	7.31
November	4.02	6.50	6.78
December	4.83	6.97	7.41

Note: Schedule C of Environmental Compliance Approval Number 0003-CGGME6 indicates Annual Average Loading and Concentration Limits for compliance assessment of geometric mean density of E.coli and pH against results achieved. November minimum pH value exceeds the design objectives listed. There were no other design limit or objective exceedances.

Table 1c: Dechlorination Data

ECA Limit	Maximum Total Cl2 Residual	Mean Total Cl2 Residual
	0.02	
Month	mg/L	mg/L
January	Using Ozone Disinfection	
February	Using Ozone Disinfection	
March	Using Ozone Disinfection	
April	Using Ozone Disinfection	
May	Using Ozone Disinfection	
June	Using Ozone Disinfection	
July	Using Ozone Disinfection	
August	Using Ozone Disinfection	
September	Using Ozone Disinfection	
October	Using Ozone Disinfection	
November	Using Ozone Disinfection	
December	Using Ozone Disinfection	

Note: Dechlorination values are required for compliance assessment in events wherein sodium hypochlorite is applied to support disinfection and/or there is an interruption to ozone disinfection. Ozone disinfection was continuous throughout the reporting period; sodium hypochlorite was not utilized therefore dichlorination was not required.

Table 2: Effluent Quality Operational Monitoring Data

Month	Total Ammonia Nitrogen	Unionized Ammonia	Total Kjeldahl Nitrogen	Nitrite	Nitrate
	mg/L	mg/L	mg/L	mg/L	mg/L
January	0.68	0.005	1.68	0.03	15.12
February	0.10	0.001	0.90	0.03	19.95
March	0.18	0.001	0.98	0.03	16.33
April	1.30	0.003	2.12	0.03	14.38
May	1.53	0.009	2.53	0.08	10.88
June	0.18	0.001	0.83	0.25	15.75
July	2.46	0.015	3.14	0.04	8.92
August	0.35	0.001	1.00	0.32	17.70
September	6.80	0.021	9.08	0.12	15.43
October	0.12	0.001	0.50	0.06	28.98
November	0.10	0.004	0.78	0.03	36.13
December	0.72	0.009	1.95	0.12	23.96

Note: Effluent monitoring samples are collected in addition to those required by the Environmental Compliance Approval for operational efficiency determination and effluent quality monitoring.

Table 3: Influent Quality Monitoring Data

Month	Biochemical Oxygen Demand	Carbonaceous Biochemical Oxygen Demand	Total Suspended Solids	Total Kjeldahl Nitrogen	Total Phosphorus
	mg/L	mg/L	mg/L	mg/L	mg/L
January	59.80	107.80	37.00	16.82	1.63
February	90.00	170.50	59.25	22.80	2.16
March	85.25	151.25	60.25	22.95	2.08
April	116.80	211.20	119.60	20.68	2.42
May	120.25	195.25	78.25	27.20	2.53
June	192.25	261.25	61.75	32.73	3.30
July	145.40	243.60	66.00	28.84	5.00
August	161.50	268.75	74.75	33.58	4.00
September	142.50	239.25	66.50	29.20	3.00
October	171.20	284.20	93.20	33.40	3.85
November	133.00	275.75	98.25	34.68	3.81
December	162.20	240.00	64.80	29.62	3.07

Note: Influent monitoring samples are collected in addition to those required by the Environmental Compliance Approval to determine treatment efficiency.

Interpretation of Influent and Effluent Monitoring Data

Condition 11.4(a) and (b) - (ECA No. 0003-CGGME6)

Carbonaceous Biochemical Oxygen Demand (CBOD)

Influent

Sampling Frequency: Monthly

Sample Type: Composite

Environmental Compliance Approval Requirement: N/A, monitoring only

Effluent

Sampling Frequency: Weekly

Sample Type: Composite

Environmental Compliance Approval Requirement: Weekly

Compliance Objective: 15mg/L

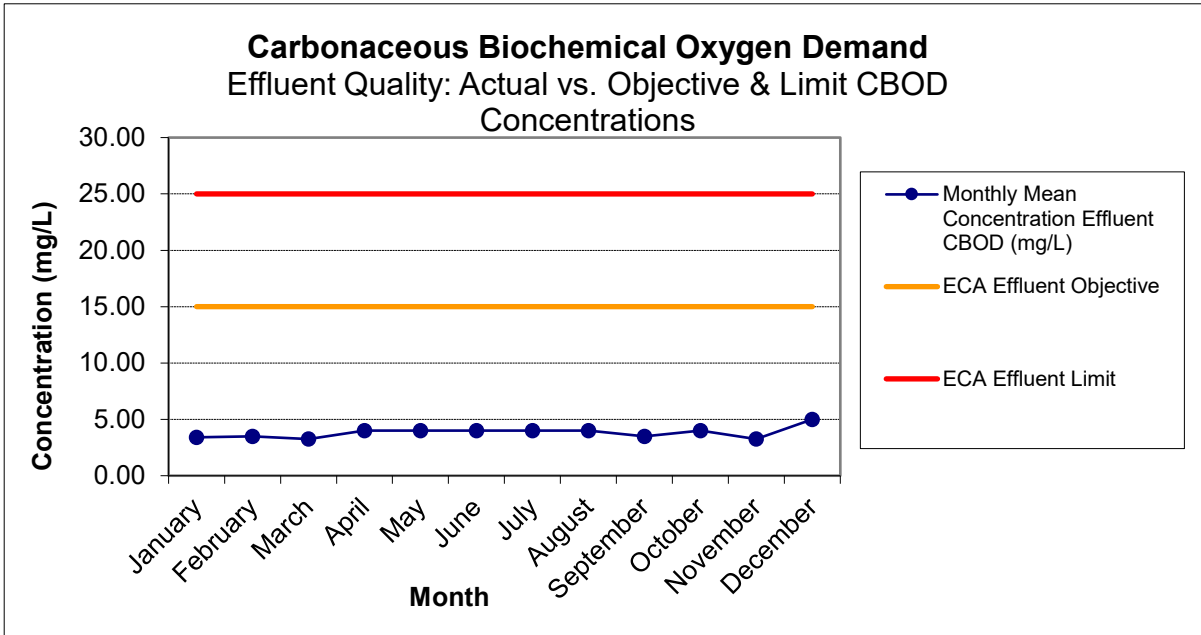
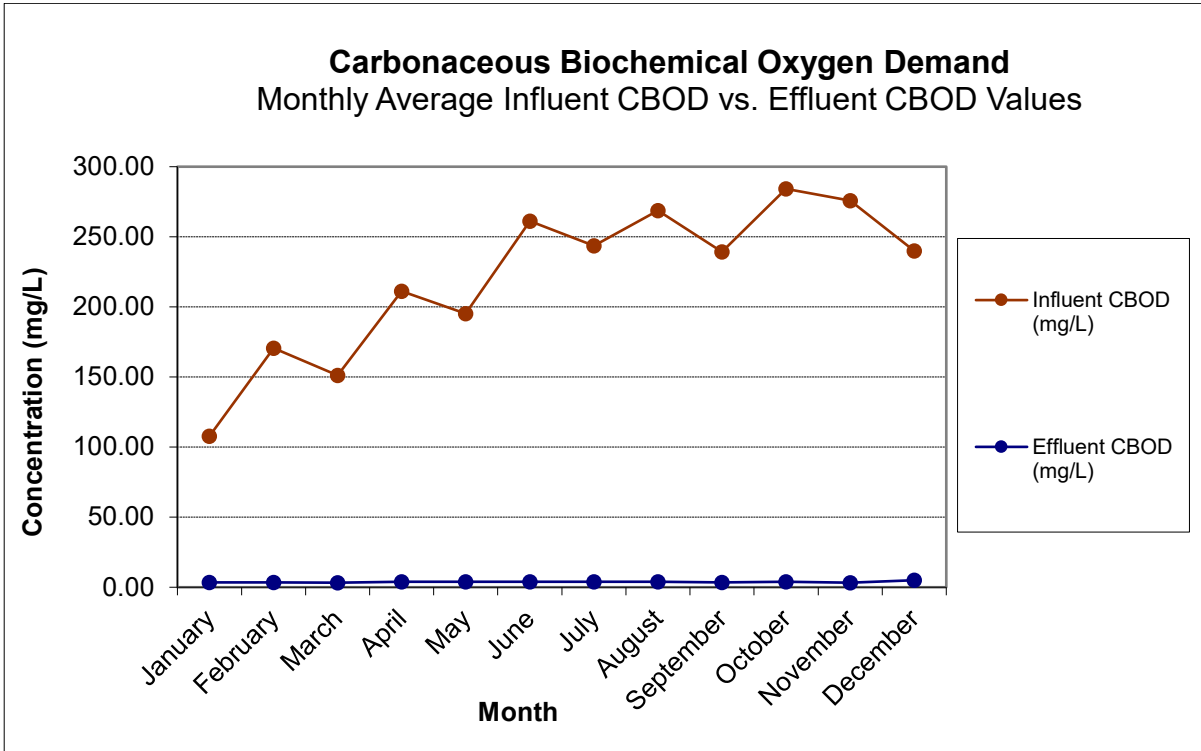
Compliance Limit Concentration: 25mg/L

Compliance Limit Loading: 37.5kg/d

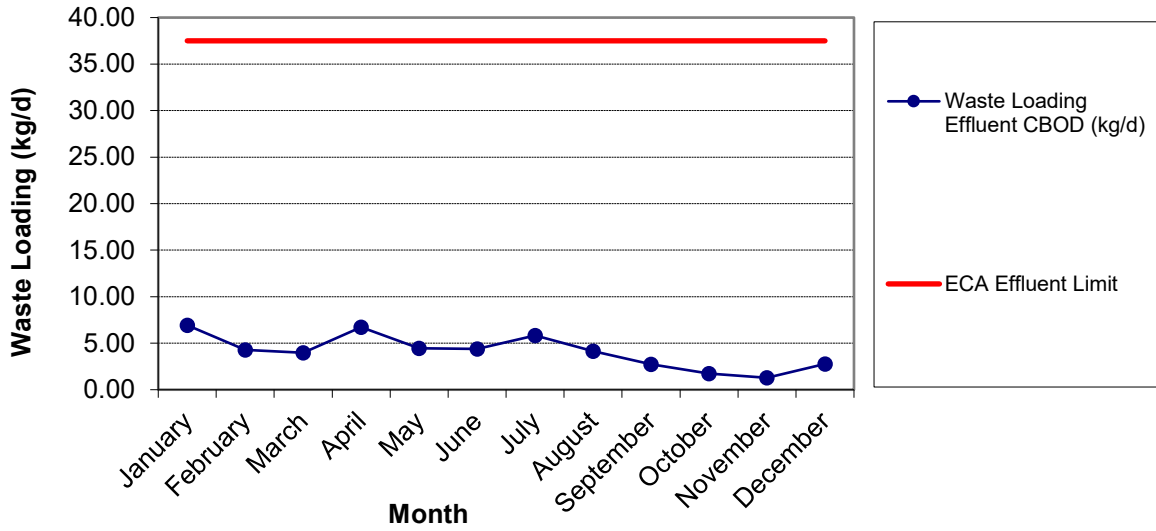
Compliance Limit Exceedance: No

Table 4: Carbonaceous Biochemical Oxygen Demand Percent Removal Values

Month	Influent Carbonaceous Biochemical Oxygen Demand	Effluent Carbonaceous Biochemical Oxygen Demand	Percent Removal Carbonaceous Biochemical Oxygen Demand
	Monthly Mean Concentration		%
	mg/L	mg/L	
January	107.80	3.40	96.846
February	170.50	3.50	97.947
March	151.25	3.25	97.851
April	211.20	4.00	98.106
May	195.25	4.00	97.951
June	261.25	4.00	98.469
July	243.60	4.00	98.358
August	268.75	4.00	98.512
September	239.25	3.50	98.537
October	284.20	4.00	98.593
November	275.75	3.25	98.821
December	240.00	5.00	97.917



Carbonaceous Biochemical Oxygen Demand Actual CBOD Waste Loading vs. Limit Waste Loading



Total Suspended Solids (TSS)

Influent

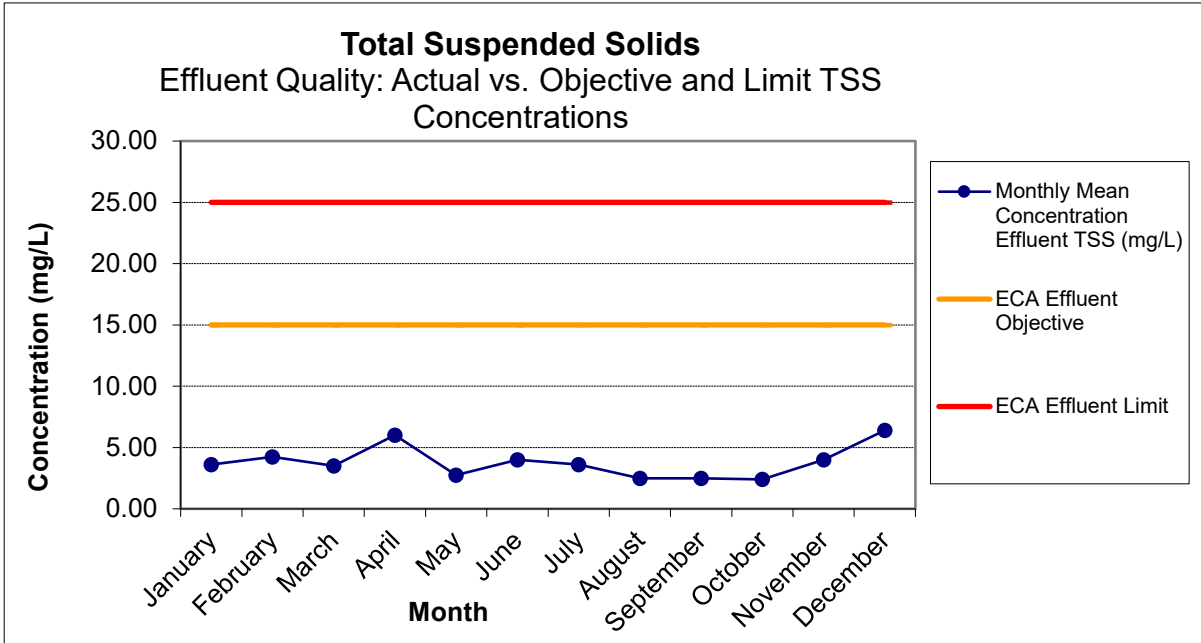
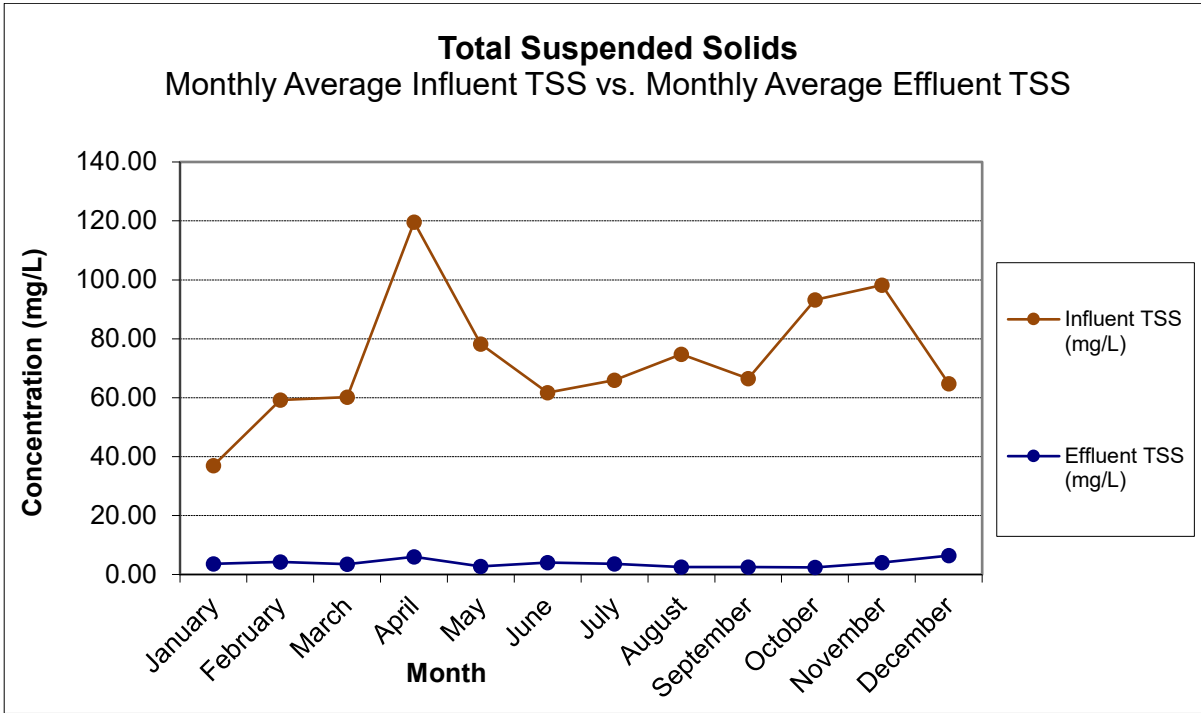
Sampling Frequency: Monthly
 Sample Type: Composite
 Environmental Compliance Approval Requirement: Monthly

Effluent

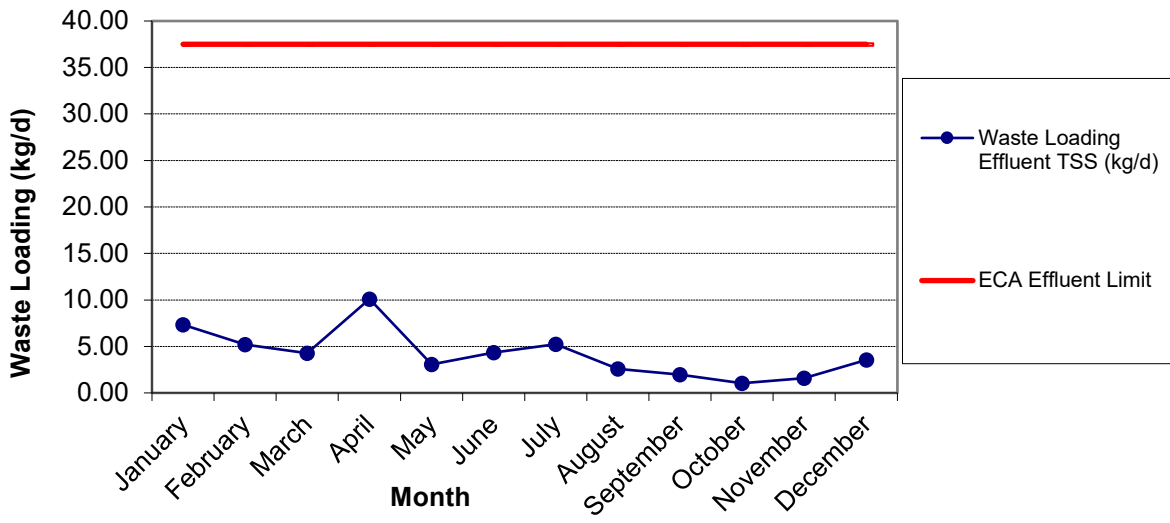
Sampling Frequency: Weekly
 Sample Type: Composite
 Environmental Compliance Approval Requirement: Weekly
 Compliance Objective: 15mg/L
 Compliance Limit Monthly Average Concentration: 25mg/L
 Compliance Limit Monthly Average Daily Waste Loading: 37.5kg/d
 Compliance Limit Exceedance: No

Table 5: Total Suspended Solids Percent Removal Values

Month	Influent Total Suspended Solids	Effluent Total Suspended Solids	Percent Removal Total Suspended Solids
	Monthly Mean Concentration		%
	mg/L	mg/L	
January	37.00	3.60	90.270
February	59.25	4.25	92.827
March	60.25	3.50	94.191
April	119.60	6.00	94.983
May	78.25	2.75	96.486
June	61.75	4.00	93.522
July	66.00	3.60	94.545
August	74.75	2.50	96.656
September	66.50	2.50	96.241
October	93.20	2.40	97.425
November	98.25	4.00	95.929
December	64.80	6.40	90.123



Total Suspended Solids Actual TSS Waste Loading vs. Limit Waste Loading



Total Phosphorus (TP)

Influent

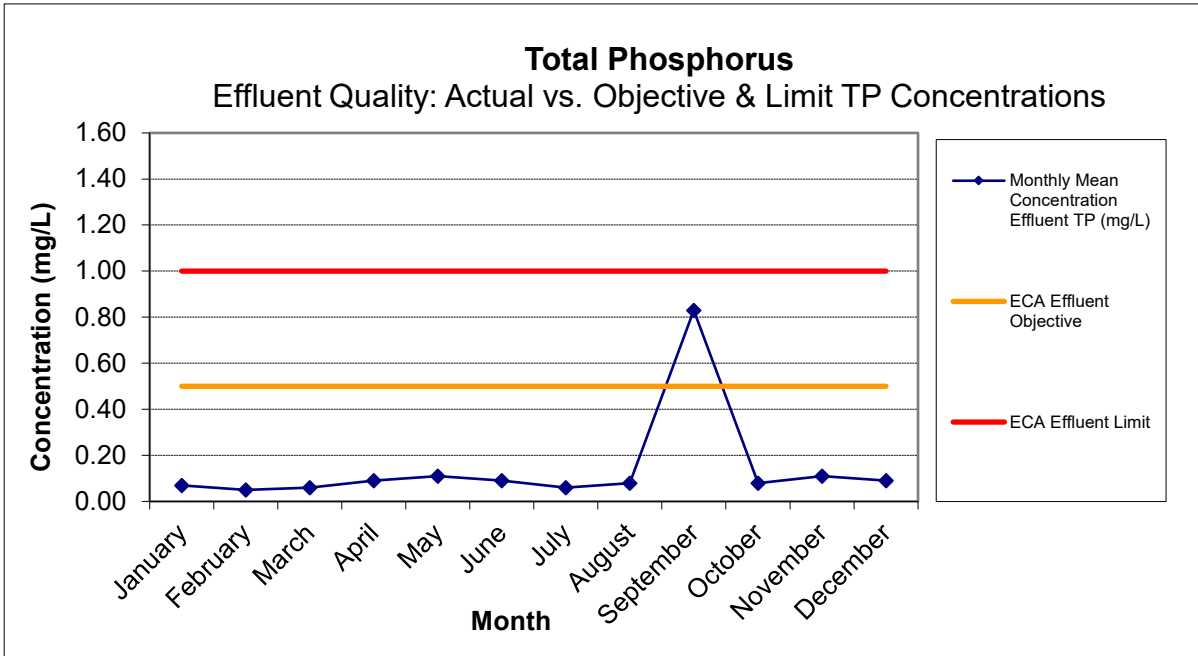
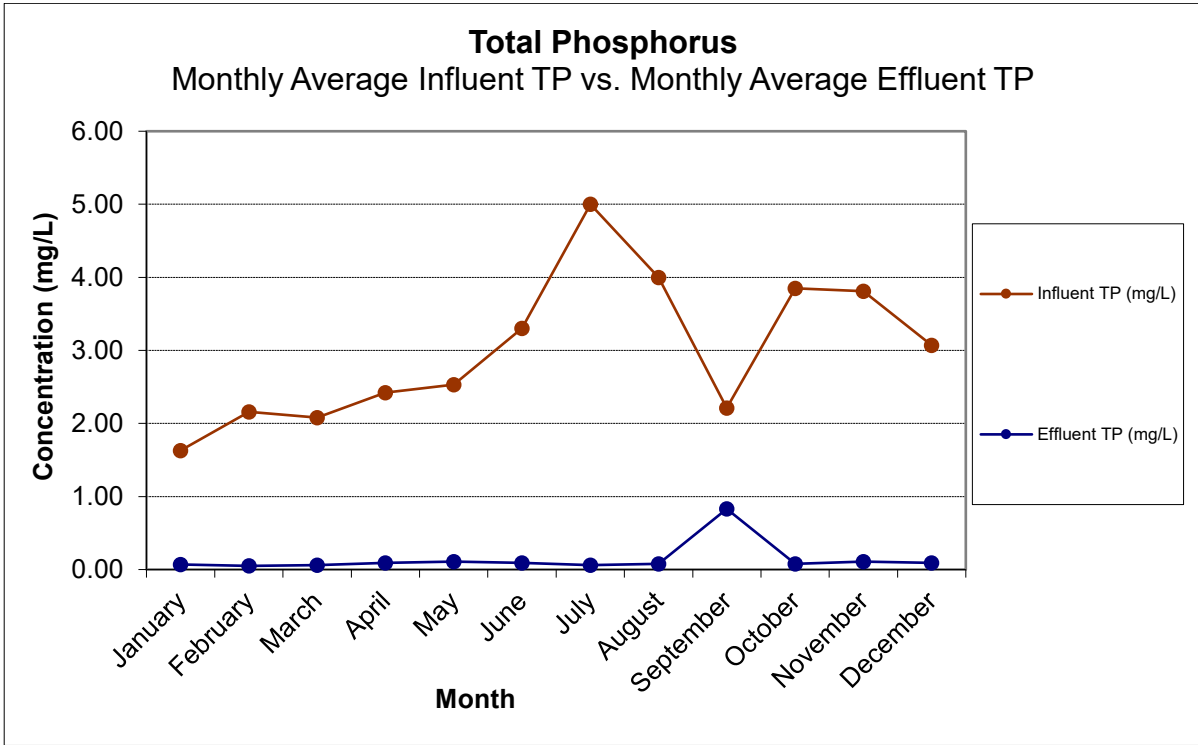
Sampling Frequency: Monthly
 Sample Type: Composite
 Environmental Compliance Approval Requirement: Monthly

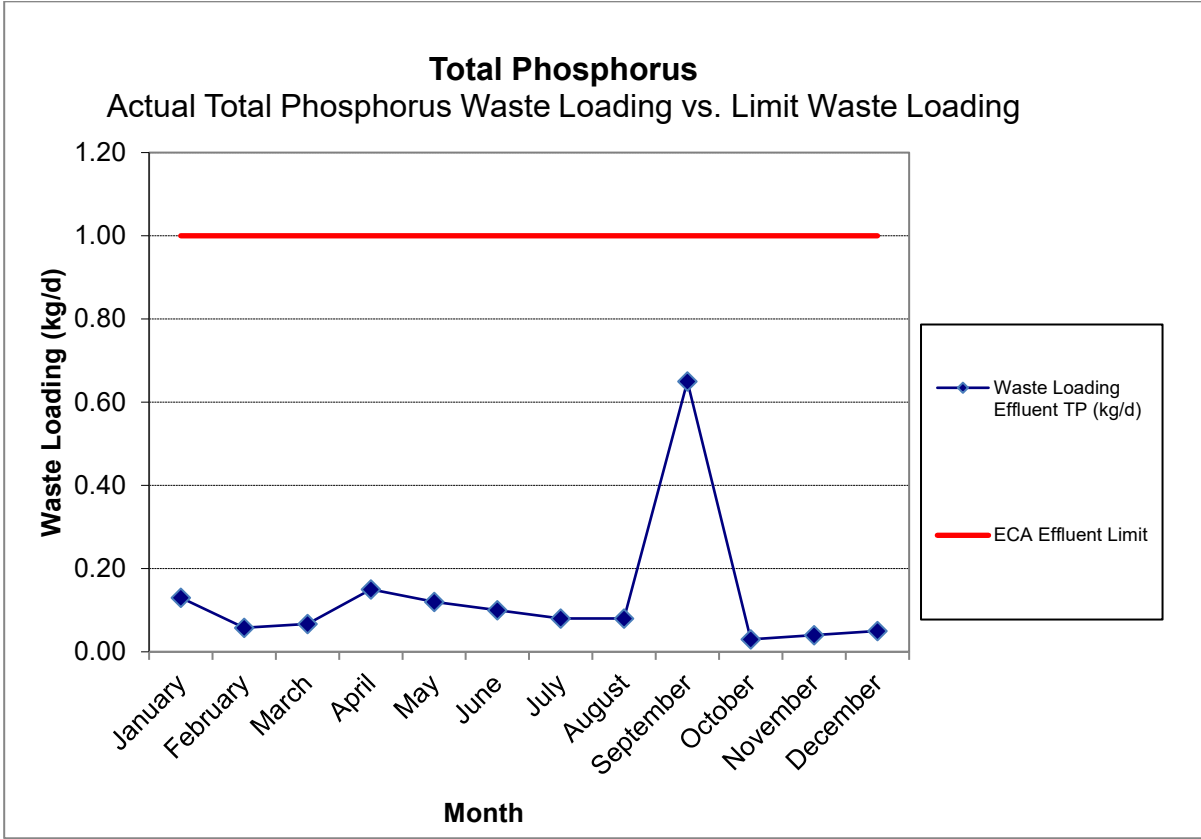
Effluent

Sampling Frequency: Weekly
 Sample Type: Composite
 Environmental Compliance Approval Requirement: Weekly
 Compliance Objective: 0.5mg/L
 Compliance Limit Concentration: 1.0mg/L
 Compliance Limit Loading: 0.75kg/d
 Compliance Limit Exceedance: No

Table 6: Total Phosphorus Percent Removal Values

Month	Influent Total Phosphorus	Effluent Total Phosphorus	Percent Removal Total Phosphorus
	Monthly Mean Concentration		%
	mg/L	mg/L	
January	1.63	0.07	95.71
February	2.16	0.05	97.69
March	2.08	0.06	97.12
April	2.42	0.09	96.28
May	2.53	0.11	95.65
June	3.30	0.09	97.27
July	5.00	0.06	98.80
August	4.00	0.08	98.00
September	3.00	0.83	72.33
October	3.85	0.08	97.92
November	3.81	0.11	97.11
December	3.07	0.09	97.07





pH

Influent

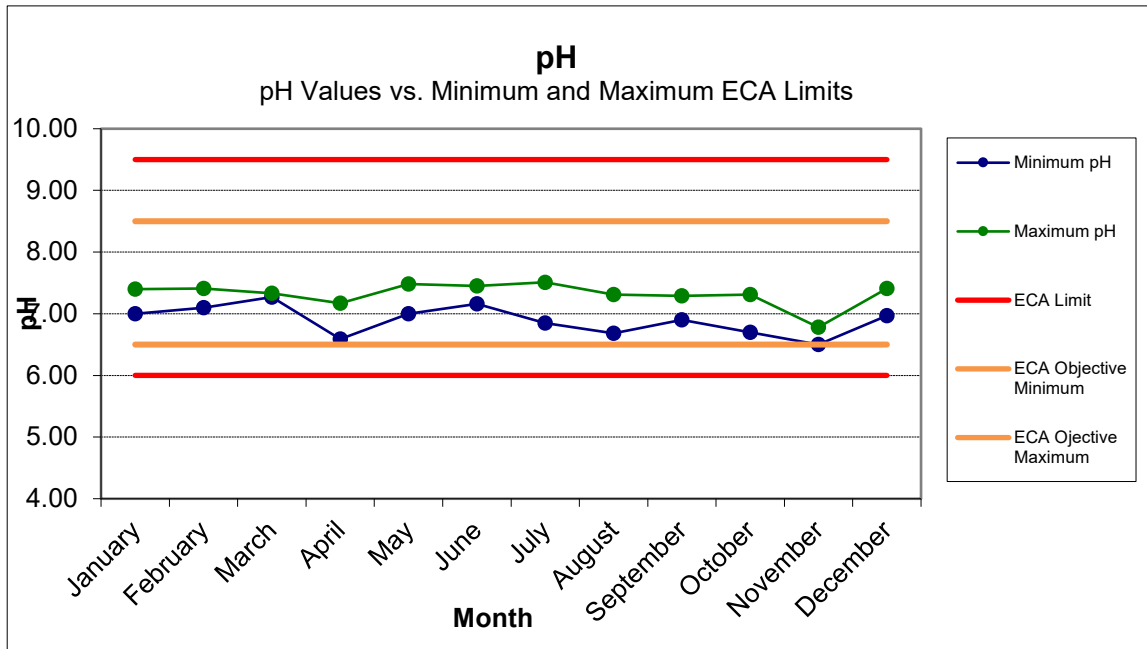
Sampling Frequency: Weekly (minimum)
 Sample Type: Grab
 Environmental Compliance Approval Requirement: N/A

Effluent

Sampling Frequency: Weekly (minimum)
 Sample Type: Grab
 Environmental Compliance Approval Requirement: Weekly
 Compliance Objective: Range 6.5 - 8.5
 Compliance Limit: Range 6.0 - 9.5
 Compliance Limit Exceedance: No

Table 7: pH Minimum and Maximum Values

Month	Minimum pH	Maximum pH
January	7.00	7.40
February	7.10	7.41
March	7.27	7.33
April	6.59	7.17
May	7.00	7.48
June	7.16	7.45
July	6.85	7.51
August	6.68	7.31
September	6.90	7.29
October	6.70	7.31
November	6.50	6.78
December	6.97	7.41



Disinfection: *Escherichia coli* (E. coli) Geometric Mean Density

Influent

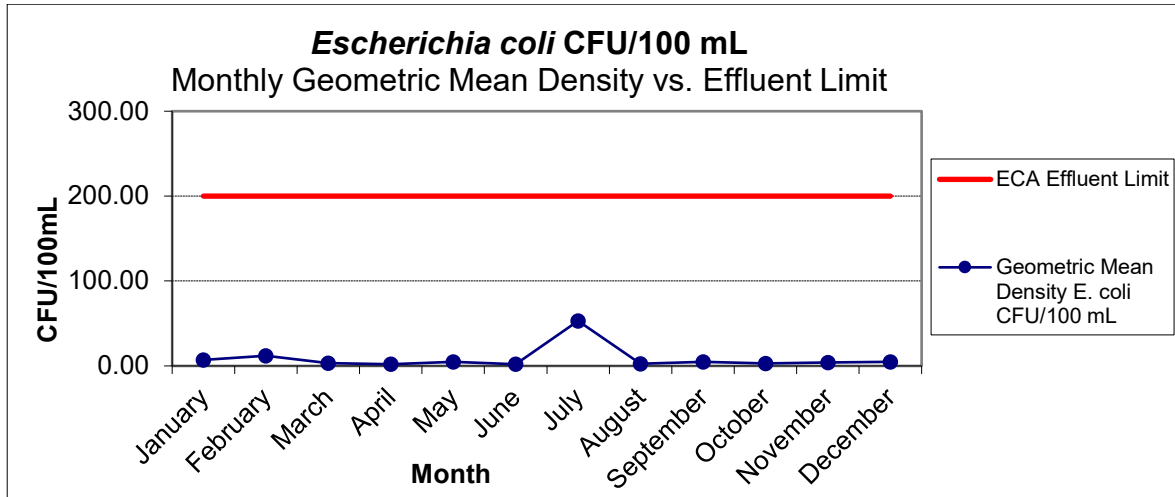
Sampling Frequency: N/A
 Environmental Compliance Approval Requirement: N/A

Effluent

Sampling Frequency: Weekly
 Sample Type: Grab
 Environmental Compliance Approval Requirement: Weekly
 Compliance Objective: 200CFU/100mL Geometric Mean Density
 Compliance Limit: 200CFU/100mL Geometric Mean Density
 Compliance Limit Exceedance: No

Table 8: *Escherichia coli* Geometric Mean Density Values

Month	Geometric Mean Density	ECA Effluent Limit
	CFU/100mL	CFU/100mL
January	7.13	200
February	12.06	200
March	3.25	200
April	2.00	200
May	4.76	200
June	2.00	200
July	53.03	200
August	2.38	200
September	4.90	200
October	2.86	200
November	4.02	200
December	4.83	200



Nitrogen Removal

Total Ammonia Nitrogen (TAN)

Influent

Sampling Frequency: N/A
Sample Type: N/A
Environmental Compliance Approval Requirement: N/A

Effluent

Sampling Frequency: Weekly
Sample Type: Composite
Environmental Compliance Approval Requirement: Weekly
Compliance Objective: N/A
Compliance Limit: N/A
Compliance Limit Exceedance: N/A

Unionized Ammonia

Influent

Sampling Frequency: N/A
Sample Type: N/A
Environmental Compliance Approval Requirement: N/A

Effluent

Sampling Frequency: Weekly (Calculation)
Sample Type: Calculation
Environmental Compliance Approval Requirement: Weekly (Calculation)
Compliance Objective: N/A
Compliance Limit: N/A
Compliance Limit Exceedance: N/A

Unionized Ammonia @ 15°C

Influent

Sampling Frequency: Weekly
Certificate of Approval Requirement: N/A

Effluent

Sampling Frequency: Weekly
Environmental Compliance Approval Requirement: N/A – Required by Wastewater Systems Effluent Regulation
Compliance Objective: N/A
Compliance Limit: N/A
Compliance Limit Exceedance: N/A

Total Kjeldahl Nitrogen (TKN)

Influent

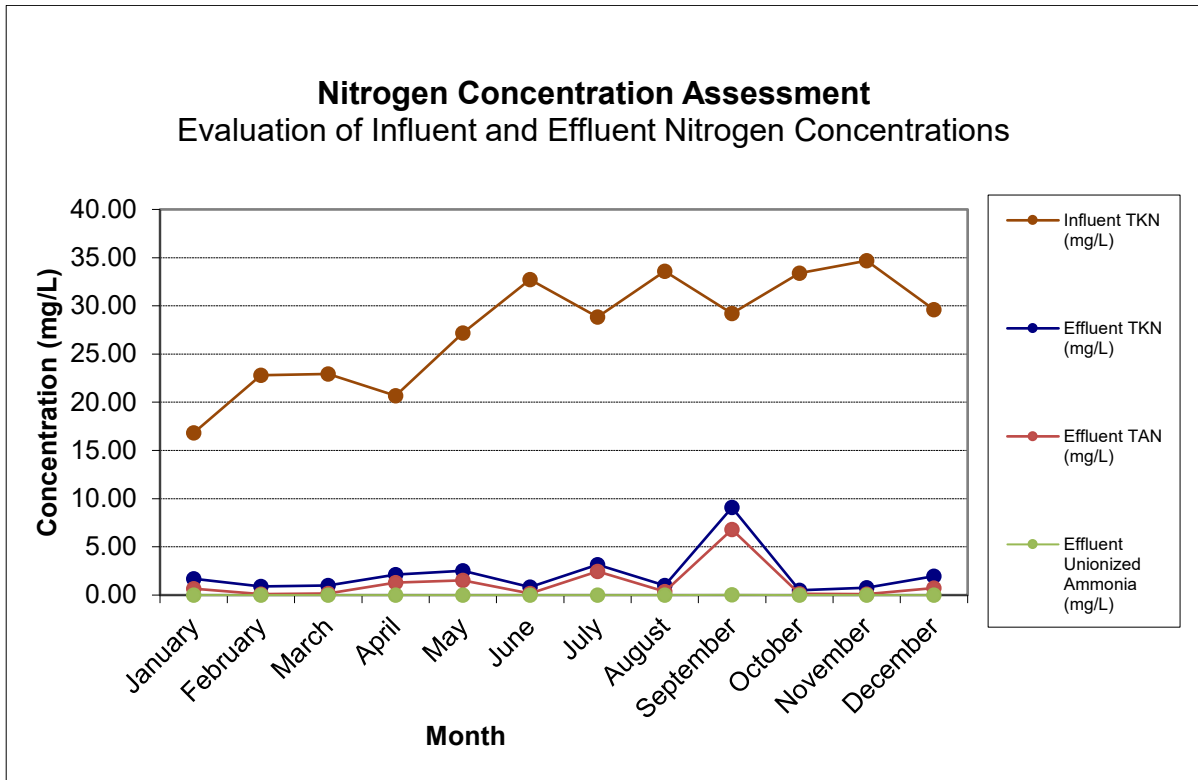
Sampling Frequency: Monthly
Sample Type: Composite
Environmental Compliance Approval Requirement: Monthly

Effluent

Sampling Frequency: Weekly
Sample Type: Composite
Environmental Compliance Approval Requirement: N/A
Compliance Objective: N/A
Compliance Limit: N/A
Compliance Limit Exceedance: N/A

Table 9: Nitrogen Concentration Assessment Values, 2024

Month	Influent Total Kjeldahl Nitrogen (Individual Result)	Effluent Total Kjeldahl Nitrogen (Monthly Average)	Percent Removal Total Kjeldahl Nitrogen	Effluent Total Ammonia Nitrogen	Effluent Unionized Ammonia
	mg/L	mg/L	%	mg/L	mg/L
January	16.82	1.68	90.01	0.68	0.005
February	22.80	0.90	96.05	0.10	0.001
March	22.95	0.98	95.73	0.18	0.001
April	20.68	2.12	89.75	1.30	0.003
May	27.20	2.53	90.70	1.53	0.009
June	32.73	0.83	97.46	0.18	0.001
July	28.84	3.14	89.11	2.46	0.015
August	33.58	1.00	97.02	0.35	0.001
September	29.20	9.08	68.90	6.80	0.021
October	33.40	0.50	98.50	0.12	0.001
November	34.68	0.78	97.75	0.10	0.004
December	29.62	1.95	93.42	0.72	0.009



Capacity Assessment: Influent and Effluent Quantities

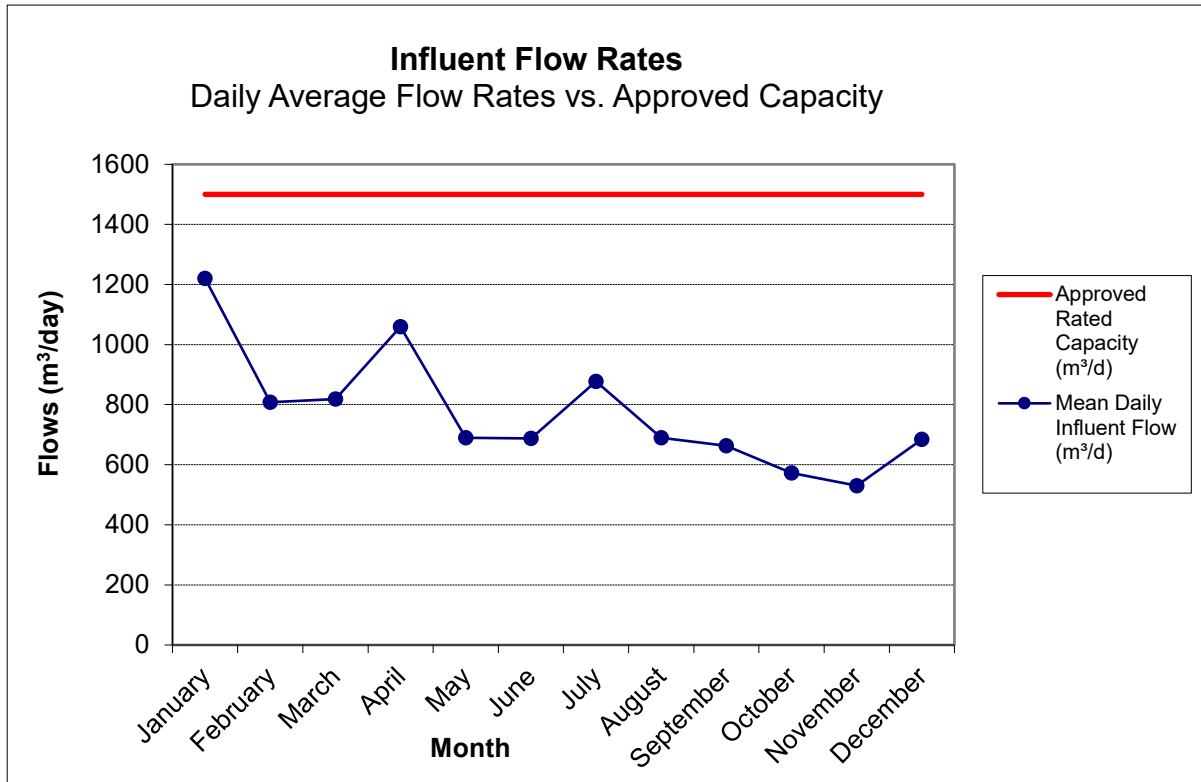
Condition 11.4(a) and (b) - (ECA No. 0003-CGGME6)

Table 10: Influent Quantity Flow Data

Month	Approved Capacity (Rated Capacity) ¹	Monthly Average	Approved Capacity (Peak Daily Flow Rate) ²	Monthly Peak Flow
	m ³ /day	m ³ /day	m ³ /day	m ³ /day
January	1500	1219.97	4550	2134.90
February	1500	807.65	4550	1215.55
March	1500	818.82	4550	1100.29
April	1500	1059.47	4550	1673.16
May	1500	690.01	4550	910.02
June	1500	687.28	4550	1150.73
July	1500	877.19	4550	1438.32
August	1500	689.49	4550	792.05
September	1500	663.51	4550	967.52
October	1500	572.43	4550	658.84
November	1500	530.42	4550	599.69
December	1500	684.54	4550	1157.66
Annual Average Daily Influent Flow		775.32		

Note¹: As per Environmental Compliance Approval No. 0003-CGGME6, "Rated Capacity" is defined as the Average Daily Flow for which the Works are approved to handle. The Wellington WWTP maintained an average daily flow within approved capacity requirements for the 2024 operational year.

Note²: As per Environmental Compliance Approval No. 0003-CGGME6, "Peak Daily Flow Rate" is defined as the largest volume of flow to be received during a one-day period for which the sewage treatment process unit or equipment is designed to handle. The Wellington WWTP maintained a peak daily flow within approved capacity requirements for the 2024 operational year.



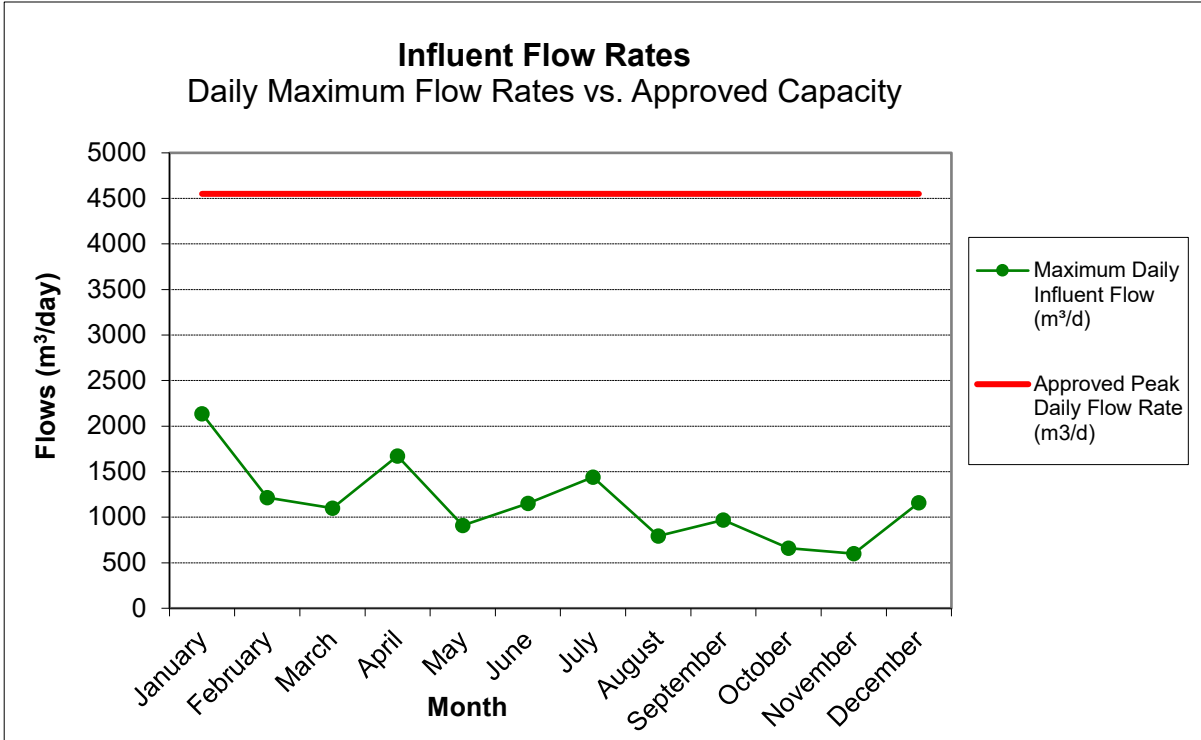


Table 11: Historical Influent Flows

Year	Total Influent Flow	Annual Average Daily Influent Flow	Approved Capacity (Rated Capacity)
	m ³	m ³ /day	m ³ /d
2015	211378.46	579.12	1500
2016	258334.96	705.83	1500
2017	357710.82	980.03	1500
2018	296484.74	823.57	1500
2019	326159.21	893.59	1500
2020	299209.99	817.51	1500
2021	285158.43	781.26	1500
2022	306507.81	839.75	1500
2023	334367.12	916.07	1500
2024	283767.72	775.32	1500

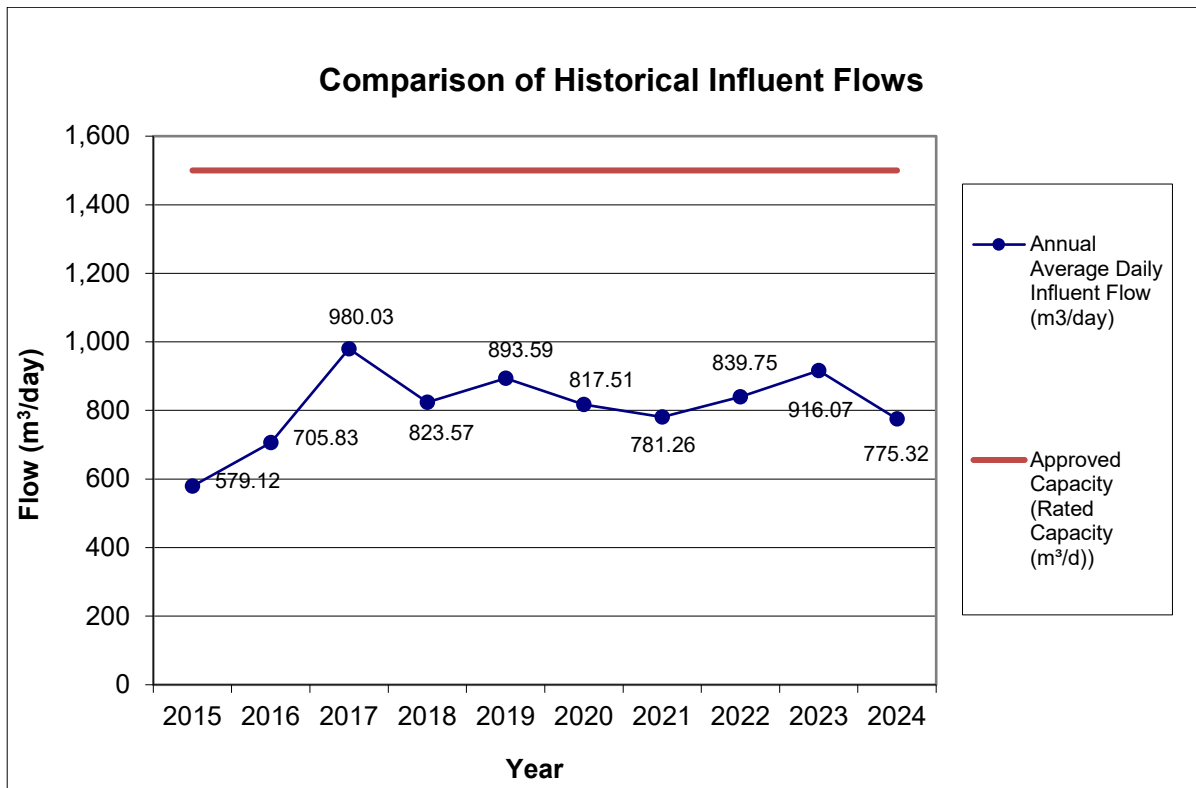
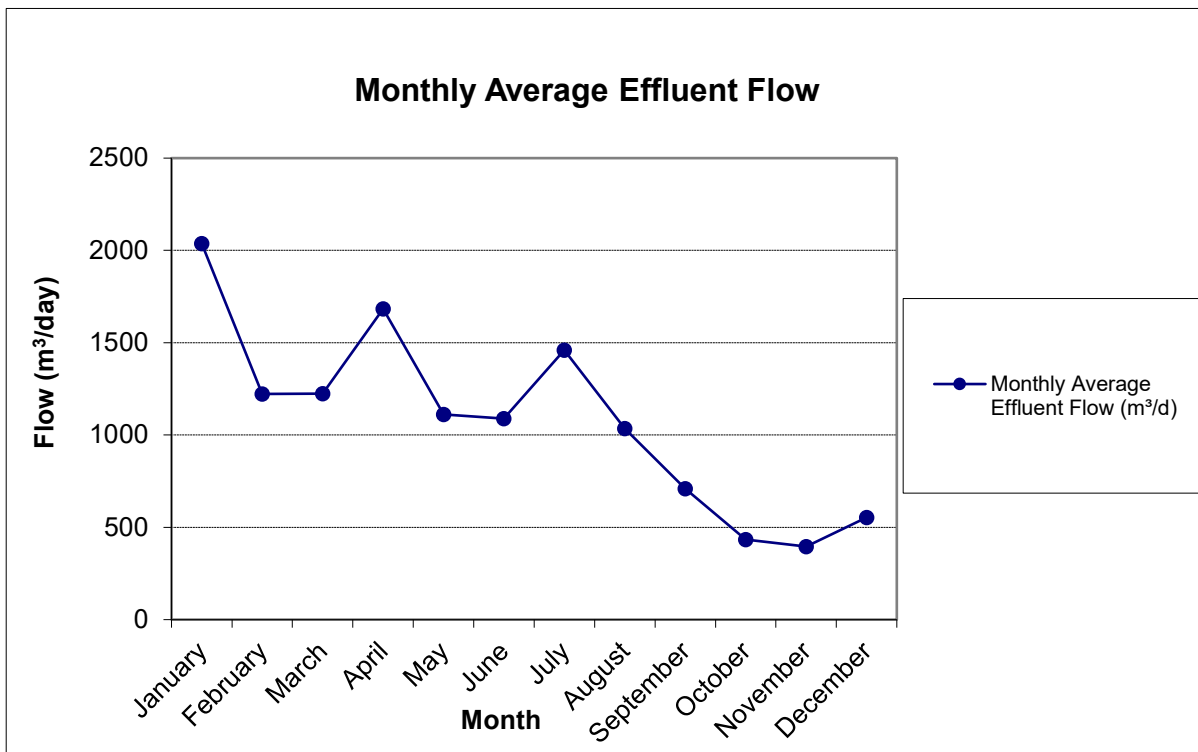


Table 12: Effluent Quantity Flow Data

Month	Monthly Average	Total Effluent Flow
	m ³ /day	m ³
January	2037.32	63156.79
February	1222.99	35466.83
March	1224.11	37947.54
April	1684.14	50524.33
May	1112.36	34483.19
June	1088.24	32647.17
July	1459.69	45250.47
August	1035.99	32115.71
September	708.61	21258.35
October	433.25	13430.84
November	395.91	11877.20
December	552.82	17137.52



Operating Problems & Corrective Actions

Condition 11.4(c) - (ECA No. 0003-CGGME6)

Table 13: A description of any operating problems encountered and corrective actions taken:

Date Discovered	Date Resolved	Affected Equipment or Process	Description of any Operating Problems Encountered	Corrective Actions
<i>There were no operational problems encountered in 2024.</i>				

Maintenance Summary

Condition 11.4(d) - (ECA No. 0003-CGGME6)

Summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the works:

Routine preventative maintenance performed throughout the reporting period:

Collection System: Pumping Stations

- Annual electrical work-orders, as needed
- Annual Health and Safety equipment work-orders (fire extinguishers, lifting devices, gas detection equipment, etc.)
- Annual wet well cleaning, inspection and maintenance
- Annual equipment maintenance, calibrations and inspections (generators, flow meters, et. al.)
- Annual sewer main flushing

Treatment System: Wellington Wastewater Treatment Plant

- Annual electrical work-orders, As needed
- Annual Health and Safety equipment work-orders (fire extinguishers, lifting devices, gas detection equipment, etc.)
- Annual equipment maintenance, calibrations and inspections (blowers, flow meters, laboratory equipment, et. al.)
- Monthly equipment maintenance and inspections (wet well inspections, ozone disinfection equipment inspections, headworks equipment inspections, et. al.)
- Required cleaning and inspection of tanks (as necessary)
- Annual lifting device inspections
- Annual outfall inspection
- Annual contact chamber cleanout
- Annual digester cleanout
- Annual east and west storage tank cleanout
- Ozone Disinfection System - biannual preventative maintenance
- Biosolids removal
- Biannual Ozone maintenance

Table 14: Additional Maintenance

System	Date Completed	Equipment/Process	Description of Maintenance and Outcomes
SWT	Jan 4, 2024	Basement Sump Float	During routine testing the float failed to test properly. The float was replaced by electrical contractor.
SWT	Jan 25, 2024	Ozone Disinfection	Ozone compressed air component failure causing alarm. Service technician for equipment was contacted and service representative completed service to both units.
SWT	March 28, 2024	Ozone Disinfection	Ozone generating cell cooling system failure. Service provider was contracted to replace the radiators in the cooling system.
SWT	June 19, 2024	Aeration Blower	Electrical troubleshooting was performed by contracted electricians to investigate blower failure. 600V connection wires to motor had become loose. Electrical connections repaired and aeration blower was placed back into service.
SWT	June 27, 2024	Wasted Activated Sludge	Manual slide gate for Waste Activated Sludge broke. Gate repaired by contracted welder
SWT	Aug 26, 2024	Ozone Disinfection	Ozone generating cell cooling system failure. Service provider was contracted to replace the radiators in the cooling system.
SWT	Aug 27, 2024	Ozone Disinfection	Flow irregularities on Ozone Gas delivery. Ozone System manufacturer was contracted to replace components responsible for the delivery of ozone gas.
SWX	Oct 17, 2024	Level Sensing Device	Electrical failure of level reading device for wet well level at Harbour Street Pump Station. Level reading device was replaced by electrical contractor.
SWT	Dec 16, 2024	Pump Station 3 Wet Well	Low level float was caught in grease. Inspection of wet well performed. Contracted vac truck to clean grease out of the wet well.
SWX	Oct 30, 2024	Wharf St Pump Station Generator	Contacted generator repair company to troubleshoot and repair generator following generator failure alarm. Installed portable generator until problem was corrected. Generator repair company found loose ground wire to control unit. Ground wire was reconnected and secured. Generator was placed back in service and portable generator was removed.

Effluent Quality Assurance and Control Measures

Condition 11.4 (e) - (ECA No. 0003-CGGME6)

Quality Assurance

The Wellington Wastewater Treatment Plant implements quality assurance strategies to ensure consistent compliance with regulatory and operational standards. Quality assurance focuses on preventing issues before they occur by establishing structured procedures, staff training, and maintenance programs. The plant follows manufacturer-recommended calibration and maintenance schedules, completes sampling beyond the required parameters, and operates according to the engineering recommendations and standard operating procedures. These proactive measures help uphold operational efficiency and ensure effluent quality through process control.

Quality Control

The Wellington Wastewater Treatment Plant applies quality control measures to ensure that treated effluent consistently meets regulatory and operational standards. Quality control focuses on detecting and correcting issues through regular sampling, testing, and system checks. Effluent quality is monitored against compliance limits. Any deviations require root cause analysis and trigger corrective actions.

Effluent analysis for all compliance and monitoring parameters under Environmental Compliance Approval No. 0003-CGGME6 are conducted by accredited laboratories, SGS Lakefield and SGS London, with Caduceon Environmental Laboratories as a secondary backup. Sample collection and in-house analysis are performed by licensed wastewater operators.

Sampling follows required frequencies and defined methods, and referenced against to compliance design limits and objectives. Additional samples are taken during bypasses, overflows, or abnormal

conditions. Beyond regulatory requirements, additional in-house and laboratory samples assess treatment effectiveness and determination of removal efficiencies. Ongoing evaluation of non-regulated monitoring samples support effluent quality control and process optimization.

Third-party calibration of flow meters, routine equipment checks, and SCADA alarm monitoring further support process reliability. By continuously analyzing performance data and making necessary adjustments, the plant maintains high treatment efficiency and protects the receiving environment.

Effluent Monitoring Equipment Maintenance and Calibration

Condition 11.4 (f) - (ECA No. 0003-CGGME6)

All monitoring equipment is calibrated and maintained according to the manufacturer's recommendations. Calibrations are scheduled through a preventative maintenance database, which tracks due dates and logs completed work.

Licensed operators perform routine maintenance, while flow measuring devices at the Wellington Wastewater Treatment Facility undergo annual calibration by a certified third-party service provider. Other operational equipment is submitted for third-party review as needed.

Table 15: Flow Measuring Equipment Calibrations

Equipment Location	Description	Calibrated By	Calibration Date
Wellington WWTP	Influent North Channel (FIT 201A)	Tower Electronics Canada Ltd.	July 16, 2024
	Influent South Channel (FIT 201B)		July 16, 2024
	Final Effluent (FIT 202)		Sept 10, 2024*

Note: The Final Effluent (FIT 202) flow meter underwent scheduled replaced by Tower Electronics on July 16, 2024.

Design Objectives Assessment

Condition 11.4 (g) - (ECA No. 0003-CGGME6)

As per ECA No. 0003-CGGME6, Condition 6, the Owner shall design and undertake everything practicable to operate the Sewage Treatment Plant in accordance with the following objectives:

- a. Final Effluent parameters design objectives listed in the table(s) included in Schedule B.
- b. Final Effluent is essentially free of floating and settleable solids and does not contain oil or any other substance in amounts sufficient to create a visible film or sheen or foam or discoloration on the receiving waters.
- c. Annual Average Daily Influent Flow is within the Rated Capacity of the Sewage Treatment Plant.

The Wellington Wastewater Treatment Plant is operated and maintained to meet its design objectives by adhering to regulatory requirements, implementing proactive maintenance and calibration programs, conducting comprehensive monitoring, and continuously optimizing treatment processes.

Individual statements of compliance with design limits and objectives are noted within the monitoring data assessments. The following summarizes instances wherein the design objectives were not met:

- September monthly mean concentration of total phosphorus exceeded the design objectives listed. It is believed that the sample result data was erroneously reported on the report of analysis, however this could not be confirmed. See Table 1a for actual results.
- November minimum pH value exceeds the design objectives listed. There were no other design limit or objective exceedances. See Table 1b for actual results.

- While the annual average daily influent flow remained within the rated capacity, there were 10 daily events of rated capacity exceedance.

There are no circumstances in which any of the design objectives were not achieved for more than 50% of the time and there appears to be no increasing trend in deterioration of final effluent quality against previous years. Although the annual average daily influent flow remains below 80% of the rated capacity, significant development in the Wellington service area is anticipated. In response, plans for operational expansion are in progress to accommodate future growth and ensure continued compliance with design objectives.

Biosolids Management

Condition 11.4 (h) - (ECA No. 0003-CGGME6)

All sludge generated during 2024 was land applied in Prince Edward County by GFL Environmental Inc. The sludge volumes can be assessed as listed below:

Table 16: Biosolids Management Quantities for Wellington Wastewater Treatment Plant

Date	NASM	Farmer/ Landowner	Township	Ward	Total Volume
	#				m ³
Sept 27- Oct 1, 2024	60858	Gary Parks	Prince Edward	Hallowell	1400
Total					1400

For 2025, biosolids will go to tender for land application. The disposal will occur at approved site(s) within the boundaries of Prince Edward County. It is expected that the volume of sludge generated will be comparable to 2024 volumes.

Complaints and Customer Concerns

Condition 11.4 (i) - (ECA No. 0003-CGGME6), Condition 4.6.6 - (CLI-ECA 162-W601)

Customer complaints and associated corrective actions are outlined as follows:

- February 23, 2024: Sewage backup reported at the Wellington Library. Staff investigated and determined that the sewer was operating as intended and that the responsibility for blockages and maintenance for the sewer lateral to the main is that of the property owner.
- March 12, 2024: Resident was concerned that a 6" drop in the roadway was left after construction work. The drop was visible by day but would not be as noticeable at night. Staff confirmed that the drop would be filled that day.
- May 13, 2024: Private residence sewer lateral was damaged during conduit installation from a contracted service. The lateral was replaced.
- May 23, 2024: Sewage backup reported in a private residence. Plumber responded to the site and advised that there was a blockage on the municipal sewer. Staff investigated and determined that the sewer was operating as intended and that the responsibility for blockages and maintenance for the sewer lateral to the main is that of the property owner. The plumber was able to clear the blockage.

Event Summary

Condition 11.4(j) - (ECA No. 0003-CGGME6),

Table 17: Event Summary

Date	Description
<i>No events of bypass, spill, upset conditions, or events outside of normal operating conditions have been identified for the reporting period.</i>	

Notice of Modifications

Condition 11.4(k) - (ECA No. 0003-CGGME6)

There were no Notice of Modifications submitted during this reporting period. There were no normal or emergency operational modifications to existing approved sewage works equipment that were subject to Limited Operational Flexibility requirements.

Summary of Efforts to Comply with Procedure F-5-1

Condition 11.4 (l) - (ECA No. 0003-CGGME6)

Table 18: Summary of Efforts to Conform with Procedure F-5-1 in 2024

Date	Effort to Achieve Conformance
2024	In 2024, Wharf Street sewage pumping station received a new standby generator and two new submersible sewage pumps to meet the CLI-ECA rated capacity of the pump station.

Table 19: Summary of Efforts and Projected Budget to Conform with Procedure F-5-1 in 2025

Date	Effort to Achieve Conformance	Budget
2025	In design to upgrade Belleville street sewage pumping station.	Capital Replacement

Updates/Change to Schedule for Proposed Works

Condition 11.4 (m) - (ECA No. 0003-CGGME6),

The proposed works included the implementation of wet weather flow equalization facilities including:

- *a diversion chamber located downstream of a manhole MH279, equipped with a modulating sluice gate to divert a portion of influent sewage during peak flow events as needed, to a new pumping station described below;*
- *a pre-engineered wet-well type pumping station, equipped with two (2) submersible sewage pumps (Flygt model NP 3102 MT3, or equivalent; 1 standby), each rated for 23 L/s at 9.0 m TDH, discharging to a new equalization tank described below;*
- *one (1) 3,204 m³ Wet Weather Flow Equalization Tank measured 21 m x 12 m x 6. m SWD, partitioning in two (2) equal-sized cells, serving to temporarily retain excess influent sewage flow in wet weather, equipped with gate drain valves, discharging to the on-site Raw Sewage Pumping Station (Pumping Station 3) at the WWTP when peak flow events subside;*

All proposed works have been completed as of 2023.

Sample Schedule Deviations

Condition 11.4 (n) - (ECA No. 0003-CGGME6)

For the 2024 operational year, regularly scheduled samples were collected on Tuesdays. Additional samples were collected throughout the year in response to events outside of normal operating conditions. The table below outlines any deviations that occurred from the schedule and the reason for the deviation:

Table 20: Deviations from Sample Schedule

Scheduled Sample Date	Adjusted Sample Date	Rationale
Tuesday, December 24, 2024	Monday, December 23, 2024	Statutory Holiday
Tuesday, December 31, 2024	Monday, December 30, 2024	Statutory Holiday

Regularly scheduled samples will be collected on Tuesdays until approximately May, 2025, unless affected by a statutory holiday. Thereafter regularly scheduled samples will be collected on Mondays unless affected by a statutory holiday.

OPERATIONAL REPORTS

PICTON & WELLINGTON SANITARY COLLECTION SYSTEMS

ANNUAL PERFORMANCE REPORT
(CLI-ECA NO. 162-W601)



TheCounty

PRINCE EDWARD COUNTY • ONTARIO

2024 Annual Wastewater Collection Performance Report

The Corporation of the County of Prince Edward
County of Prince Edward Sewage Collection System
Consolidated Linear Infrastructure Environmental Compliance Approval: CLI-ECA No. **162-W601**

The County of Prince Edward Sewage Collection System is comprised of the Picton and Wellington Wastewater Collection Systems. The Picton Wastewater Collection System consists of sewage works for the collection and transmission of sewage, consisting of a separated sewer system, 6 sewage pumping stations and associated forcemains that discharge to the Lalor Street Inlet Pumping Station and the Picton Wastewater Treatment Plant.

The Wellington Wastewater Collection System consists of sewage works for the collection and transmission of sewage, consisting of a separated sewer system, 2 sewage pumping stations and associated forcemains that discharge to the Wellington Water Pollution Control Plant.

Consolidated Linear Infrastructure Environmental Compliance Approval No. 162-W601, Condition 4.6

The annual reporting requirements as per Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-EECA) number 162-W601 have been listed below. In accordance with Condition 4.6., *The Owner shall prepare an annual performance report for the Authorized System that:*

1. *Is submitted to the Director on or before March 31st of each year and covers the period from January 1st to December 31st of the preceding calendar year.*
 - a. *For clarity, the first report shall cover the period of January 1 2024 to December 31st, 2024 and be submitted to the Director on or before March 31st, 2025.*
 - b. *For the transitional period of January 1, 2022 to December 31, 2022, annual reporting requirements from previous ECAs pertaining to Spills only, where these occurred in the reporting period, and that have been revoked through issuance of this ECA shall apply*
 - i. *For the transitional period, condition 4.7.2 does not apply.*
2. *Is also submitted to the District Manager where a Collection System Overflow or Spill of Sewage has occurred in the reporting period.*
3. *If applicable, includes a summary of all required monitoring data along with an interpretation of the data and any conclusion drawn from the data evaluation about the need for future modifications to the Authorized System or system operations.*
4. *Includes a summary of any operating problems encountered and corrective actions taken*
5. *Includes a summary of all calibration, maintenance, and repairs carried out on any major structure, Equipment, apparatus, mechanism, or thing forming part of the municipal Sewage Collection System*
6. *Includes a summary of any complaints related to the Sewage Works received during the reporting period and any steps taken to address the complaints*
7. *Includes a summary of all Alterations to the Authorized System within the reporting period that are authorized by this Approval including a list of Alterations that pose a Significant Drinking Water Threat.*

8. Includes a summary of all Collection System Overflow(s) and Spill(s) of Sewage, including:
 - a. Dates;
 - b. Volumes and durations;
 - c. If applicable, loadings for total suspended solids, BOD, total phosphorus, and total Kjeldahl nitrogen, and sampling results for E.coli;
 - d. Disinfection, if any; and
 - e. Any adverse impact(s) and any corrective actions, if applicable.\
9. Includes a summary of efforts made to reduce Collection System Overflows, Spills, STP Overflows, and/or STP Bypasses, including the following items, as applicable:
 - a. A description of projects undertaken and completed in the Authorized System that result in overall overflow reduction or elimination including expenditures and proposed projects to eliminate overflows with estimated budget forecast for the year following that for which the report is submitted.
 - b. Details of the establishment and maintenance of a PPCP, including a summary of project progresses compared to the PPCP's timelines.
 - c. An assessment of the effectiveness of each action taken.
 - d. An assessment of the ability to meet Procedure F-5-1 or Procedure F-5-5 objectives (as applicable) and if able to meet the objectives, an overview of next steps and estimated timelines to meet the objectives.
 - e. Public reporting approach including proactive efforts.

And Condition 4.7, indicating that the report described in Condition 4.6 shall be:

1. Made available, on request and without charge, to members of the public who are served by the Authorized System; and
2. Made available, by June 1st of the same reporting year, to members of the public without charge by publishing the report on the Internet, if the Owner maintains a website on the Internet.

Report Preparation and Distribution

Condition 4.6.1 and 4.6.2 - (CLI -ECA No. 162-W601)

The annual Performance Report will be submitted to the required contacts in accordance with regulatory requirements.

Sampling and Monitoring Data & Interpretations

Condition 4.7.3 - (CLI -ECA No. 162-W601)

Not applicable. No sampling or monitoring within the collection systems has been required within the reporting period.

Operating Problems and Corrective Actions

Condition 4.7.4 - (CLI -ECA No. 162-W601)

Table 1: Operating Problems and Corrective Actions

Date Discovered	Date Resolved	Affected Equipment or Process	Description of any Operating Problems Encountered	Corrective Actions
<i>There were no operational problems encountered in the reporting period.</i>				

Calibration, Maintenance, and Repairs

Condition 4.7.5 - (CLI -ECA No. 162-W601)

Summary of all calibration, maintenance, and repairs carried out on any major structure, equipment, apparatus, mechanism, or thing forming part of the municipal sewage collection system:

Routine preventative maintenance performed throughout the reporting period:

Collection System Routine Maintenance

- Annual electrical work-orders, as needed
- Annual Health and Safety equipment work-orders (fire extinguishers, lifting devices, gas detection equipment, etc.)
- Annual wet well cleaning, inspection and maintenance
- Annual equipment maintenance, calibrations and inspections (generators, flow meters, et. al.)
- Annual manhole inspection and maintenance
- Annual sewer main flushing

Collection System Repairs

Table 2: Collection System Repair Summary

Location	Date	Details
SPX	December 16, 2024	Lateral shifted at 4 Elm Street resulting in minor back-up. The lateral was inspected and confirmed a blockage within the municipal road allowance. The lateral was excavated and repaired.

Additional maintenance details can be found in the Picton and Wellington Wastewater Treatment Facility Annual Performance Reports, *Maintenance Summary*.

Table 3: Flowmeter Calibration Details

Equipment Location	Description	Calibrated By	Calibration Date
Hill Street PS	Hill St. (FIT 100)	Tower Electronics Canada Inc.	July 16, 2024
Jasper Street PS	Jasper St. (FIT 101)		

Complaints and Corrective Actions

Condition 4.7.6 - (CLI -ECA No. 162-W601)

Details of complaints received and associated corrective actions can be found in the Picton and Wellington Wastewater Treatment Facility Annual Performance Reports, *Complaints and Customer Concerns*.

Alterations to the Authorised System

Condition 4.7.7 - (CLI -ECA No. 162-W601)

Location	Date Completed	Details
SPX	2024	Sewer upgrades on West Mary Street from County Road 22/Lake Street to Ferguson Street.
SPX	2024	Talbot on The Trail, Phase 3
SPX	Ongoing into 2025	Main Street sewer upgrades from Johnson Street to 449 Main Street (Main Street Pump Station). Forcemain and upgraded sewers for the new pump station.
SPX	Ongoing into 2025	Main Street Pump Station upgrades/replacement.

Additional form SS1's have been received, however the work to complete alterations has not commenced at the time of reporting.

Collection System Events and Corrective Actions

Condition 4.7.8- (CLI -ECA No. 162-W601)

Table 4: Collection System Events

Date	Volume	Duration	TSS	BOD	TP	TKN	E.coli	Disinfection	Impacts/ Corrective Actions
<i>No events of collection system overflows, and spills of sewage have been identified for the reporting period.</i>									

Efforts to Reduce System Events

Condition 4.7.9 - (CLI -ECA No. 162-W601)

There were no events of collection system overflows or spills of sewage identified in the inspection period.

Table 5: Efforts to Reduce Collection System Events

System	Date	Details	Outcomes/Impacts
SWX	2024	Continued sewer flushing program for the Wharf Street sewage collection catchment area.	Proactive cleaning and maintenance on sewers to reduce likelihood of overflows and spills.
SPX	2024 - 2025	Design phase for upgrade York Street sewer commenced in 2024. Alterations expected to be completed in 2025.	This planned capital project is intended to alleviate sewer surcharging for the Picton downtown core. This portion of infrastructure is approaching end of life and experiencing frequent failures requiring repairs.
SWX	2024	As a part of sanitary upgrades on West Mary Street between County Road 22/Lake Street between Ferguson and lake Street, portions of the sanitary sewer were upgraded to increase sewer pipe diameter to accommodate planned. development.	The new sanitary sewer mains installed as a part of this capital project will accommodate flows from new development.
SPX	2024-2025	New construction of sanitary sewer mains and sewage pumping station adjacent to existing Main St pumping station.	The current Main Street Pumping Station has reached end of life. The new infrastructure will replace the existing pump station and forcemain, and accommodate increased capacity for new development.
SWX	2024	Generator and sewage pumps at Wharf Street Pump Station were upgraded to meet design flows outlined in the CLI-ECA.	A flow study was conducted, findings indicated that the pump capacity did not meet the rated capacity of the station outlined in the CLI-ECA. Replacement pumps were implemented to meet requirements of the rated capacity, and the generator was upgraded to meet the power consumption requirements for the new pumps and equipment.

Prince Edward County Sewage Collection System Annual Performance Report

Issue Date: March 31, 2025

Revision Date: 0. March 31, 2025

There is not currently a Pollution Prevention and Control Plan for the system. As per condition 8.2.2 of CLI-ECA No. 162-W601, a Pollution Prevention and Control Plan will be established and submitted no later than June 17, 2027.

Report Preparation and Distribution

Condition 4.7.1 and 4.7.2 - (CLI -ECA No. 162-W601)

Reports will be made available through inquiry to the Clerk's Office, and/or online at www.pecounty.on.ca.