King's Bay Wastewater System

2025 Annual Wastewater Performance Report

Wastewater System Works Number: 110003665

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

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

OCWA

ONTARIO CLEAN WATER AGENCY
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Annual Wastewater Performance Report

City of Kawartha Lakes

Kawartha Lakes
Jump In

Table of Contents

2025 Annual Wastewater System Performance Report

Executive Summary

The King's Bay Environmental Centre Sewage Works, located in Seagrave, Ontario, is a municipal wastewater treatment facility owned by the City of Kawartha Lakes. The facility has a rated capacity of 170 m^3/day and consists of two separate sewage treatment trains and a subsurface disposal system. The treatment system is operated by the Ontario Clean Water Agency (OCWA) and the collection system operated by City of Kawartha Lakes staff.

The treatment system operates under Environmental Compliance Approval (ECA) #7037-A77JLP, issued February 16, 2016. The collection system operates under Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA) #141-W601 issued May 2, 2025. In accordance with Ontario Regulation 129/04, the facility is classified as a Class II Wastewater Treatment and a Class II Wastewater Collection Subsystem.

The facility includes two independent treatment trains, each housed within an above-ground structure. Each train consists of a primary settling tank (which also serves as sludge storage), a Rotating Biological Contactor (RBC), and a secondary clarifier. Influent wastewater is first received at an influent sanitary sewage pumping station equipped with submersible pumps prior to entering the treatment process.

Phosphorus removal is achieved through chemical dosing using aluminum sulphate (alum), with injection points located at the first and third stages of the RBC process. Treated effluent is discharged to a subsurface disposal system, consisting of four shallow, in-ground pressure absorption trench beds.

Biosolids generated at the facility are periodically removed and transported to the Lindsay Water Pollution Control Plant (WPCP) for further treatment and disposal.

The King's Bay wastewater collection system consists of a networks of gravity sewers conveying wastewater to the treatment facility.

The City of Kawartha Lakes and Ontario Clean Water Agency prepares an annual report summarizing the operation and performance of the King's Bay Environmental Centre Sewage Works. This report fulfills the reporting requirements of Environmental Compliance Approval (ECA) #7037-A77JLP and Consolidated Linear Infrastructure Environmental Compliance Approval (CLI-ECA) #141-W601.

Unless otherwise noted, the facility operated in compliance with all regulatory requirements and approval conditions during the reporting period.

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

Reporting Requirements – Wastewater Treatment Plant

In accordance with the amended Environmental Compliance Approval (ECA) #7037-A77JLP, Section 10(6) – REPORTING, the owner shall prepare a performance report on a calendar basis and submit to the Ministry of Environment, Conservation and Parks by March 31 of the calendar year following the period being reported upon.

Section 10(6) – REPORTING

The performance report is required to contain the following:

a) a summary and interpretation of all monitoring data and a comparison to the effluent limits outlined in Condition 7, including an overview of the success and adequacy of the Works;
b) a 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 a 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 procedures conducted on all monitoring equipment; and
f) a description of efforts made and results achieved in meeting the Effluent Objectives of Condition 6.
g) a tabulation of the volume of sludge generated in the reporting period and 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; and
l) any other information the Water Supervisor requires from time to time.

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

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

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

Summary of Monitoring Data to Limits and Objectives

(a) Attached as **Appendix I** is a copy of the 2025 Performance Assessment Report (PAR) for the King's Bay Environmental Centre Sewage Works showing effluent criteria. The PAR contains: a tabulation of all monthly average raw sewage and final effluent sample results obtained during the reporting period, a tabulation of average daily flows, and monthly volumes for the reporting period, and a tabulation of calculated total loading of BOD_5, suspended solids, total phosphorus, and ammonia + ammonium as nitrogen concentrations in the final effluent.

Attached as **Appendix II: Groundwater Monitoring**, are the results of the groundwater monitoring as required by the Environmental Compliance Approval – Table 3.

The following table summarizes the average concentration and annual average loading of the effluent parameters $CBOD_5$, Total Suspended Solids, Total Phosphorus, and pH in comparison to the effluent limits and objectives specified by the Environmental Compliance Approval. Attached in **Appendix III**, a summary of the final effluent pH and temperature recorded at the facility. The recording frequency required by the Environmental Compliance Approval is monthly.

Table 1 outlines the effluent criteria limits as set out in Section 7(1) of Environmental Compliance Approval No. 7037-A77JLP as follows:

Table 1. Final Effluent Compliance Limits 2025

Effluent Parameter (Column 1)	Average Effluent Concentration (mg/L) (Column 2)	Actual Annual Average Effluent Concentration (mg/L)	Compliant (Y/N)	Average Total Effluent Loading Limit (kg/d) (Column 3)	Actual Annual Average Effluent Loading (kg/d)	Compliant (Y/N)
$CBOD_5$	15.0	6.66	Y	N/A	N/A	N/A

Effluent Parameter (Column 1)	Average Effluent Concentration (mg/L) (Column 2)	Actual Annual Average Effluent Concentration (mg/L)	Compliant (Y/N)	Average Total Effluent Loading Limit (kg/d) (Column 3)	Actual Annual Average Effluent Loading (kg/d)	Compliant (Y/N)
Total Suspended Solids	15.0	9.54	Y	N/A	N/A	N/A
Total Phosphorus	1.0	0.25	Y	0.17	0.01	Y
pH	6.0 to 9.0, inclusive, at all times	7.65	Y	N/A	N/A	N/A

Note: Condition 7(2) states that for the purposes of determining compliance with and enforcing subsection (1);

a) The Annual Average Concentration of $CBOD_5$ and Total Suspended Solids named in Column 1 of subsection (1) shall not exceed the corresponding maximum concentration set out in Column 2 of subsection (1).
b) The Annual Average Loading of a parameter named in Column 1 of subsection (1).
c) The Annual Average Loading of a parameter named in Column 1 of subsection (1) shall not exceed the corresponding maximum waste loading set out in Column 3 of subsection (1).

The maximum raw flow into the facility was 104.20 m^3/day, which occurred in April 2025. This is well below the allowable peak flow rate of approximately 666.0 m^3/day and is also well below the rated capacity of 170 m^3/day listed in the Environmental Compliance Approval. The average daily flow for 2025 was 43.25 m^3/day.

ECA Condition 6(2)(b) states: "The Owner shall use best efforts to operate the works within the Rated Capacity of the Works". Rated Capacity is defined as Average Daily Flow for which the Works are approved to handle. Table 2 provides a summary of the average daily influent flows in comparison with the rated capacity of 170 m^3/day.

Table 2. Effluent Objectives Influent Flow Data for 2025

	Avg. Daily Flow (m^3)	ECA Rated Capacity (m^3)	Compliant Y/N
January	39.80	170.0	Y
February	37.61	170.0	Y
March	43.81	170.0	Y
April	58.85	170.0	Y
May	48.31	170.0	Y

	Avg. Daily Flow (m^3)	ECA Rated Capacity (m^3)	Compliant Y/N
June	43.88	170.0	Y
July	41.83	170.0	Y
August	39.12	170.0	Y
September	38.98	170.0	Y
October	40.73	170.0	Y
November	41.51	170.0	Y
December	44.63	170.0	Y

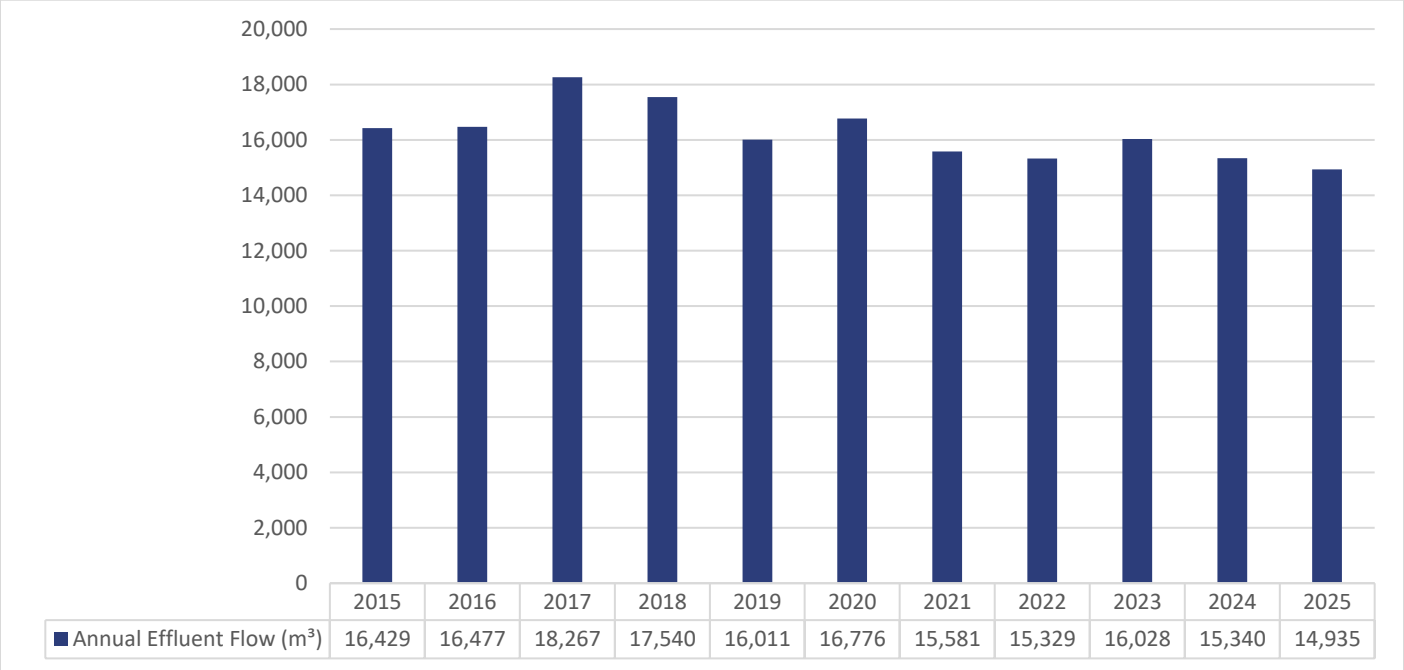
Table 3 provides a summary of the average daily effluent flows in comparison with the rated capacity of 170.0 m^3/day.

Table 3. Effluent Objectives Effluent Flow Data for 2025

	Avg. Daily Flow (m^3)	ECA Rated Capacity (m^3)	Compliant Y/N
January	35.92	170.0	Y
February	34.70	170.0	Y
March	41.73	170.0	Y
April	54.24	170.0	Y
May	46.17	170.0	Y
June	42.40	170.0	Y
July	42.14	170.0	Y
August	37.79	170.0	Y
September	38.00	170.0	Y
October	39.46	170.0	Y
November	38.60	170.0	Y
December	43.22	170.0	Y

Graph 1 provides a summary of the annual total effluent flows from 2015 to 2025.

Graph 1. Annual Total Effluent Flow Comparison



	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025
Annual Effluent Flow (m^3)	16,429	16,477	18,267	17,540	16,011	16,776	15,581	15,329	16,028	15,340	14,935

The final effluent quality for Total Phosphorus remained well below the limits established in the Environmental Compliance Approval (ECA). The annual average concentration was 0.25 mg/L, significantly below the limit of 1.0 mg/L. The annual average loading was 0.01 kg/day, which is well below the allowable limit of 0.17 kg/day, based on the design average day flow of 170.0 m^3/day.

Effluent pH values during the reporting period ranged from 6.62 to 8.40, remaining within the ECA-specified range of the 6.0 to 9.0.

The Total Suspended Solids (TSS) effluent objective and limit were achieved in 2025. The annual average concentration was 9.54 mg/L, meeting the objective of 10.0 mg/L and remaining below the compliance limit of 15.0 mg/L.

Similarly, the Carbonaceous Biochemical Oxygen Demand ($CBOD_5$) effluent objective and limit were met throughout the reporting period. The annual average concentration of 6.66 mg/L, which is below both the objective of 10.0 mg/L and the limit of 15.0 mg/L.

During the reporting period, continued efforts were made to maintain and enhance system compliance. Operational adjustments included optimization of alum dosing for phosphorus removal, refinement of return sludge system timer settings to improve sludge return rates, and periodic removal accumulated sludge by a licensed waste hauler to reduce solids build-up within the system.

Facility operators maintained diligent process monitoring and implemented operational adjustments as required to ensure consistent treatment performance and regulatory compliance.

Groundwater Monitoring Wells

Groundwater levels were measured once during each quarter (Q1, Q2, Q3, and Q4) of 2025. Monitoring results for the eight groundwater monitoring wells are provided in **Appendix IV: Groundwater Monitor Wells – Levels**.

Groundwater quality sampling was conducted in accordance with the Environmental Compliance Approval (ECA) requirements. Analytical results from the eight monitoring wells (**Appendix II**) generally demonstrated consistent water quality results, with occasional anomalies observed in parameters including pH, conductivity, $CBOD_5$, total phosphorus, total suspended solids, nitrite, nitrate, and nitrate + nitrite.

The Provincial Water Quality Objective (PWQO) for pH is 6.5 to 8.5. All groundwater samples collected during the reporting period from the eight monitoring wells fell within this acceptable range. The Provincial Water Quality Objectives have not been established for the remaining parameters.

As per the Amended ECA issued February 16, 2016, groundwater monitoring requirements include quarterly measurement of water levels and semi-annual sampling for the following parameters: pH, Conductivity, Total Phosphorus, Nitrate Nitrogen, Total Suspended Solids and $CBOD_5$. The ECA also specifies that Total Phosphorus samples are to be collected as a field-filtered grab samples.

A trigger value is a concentration of 0.3 mg/L in either GW1 or GW8.

A summary of groundwater monitoring performance is provided in Table 4.

Table 4. Groundwater Well Monitoring Performance for Total Phosphorus

Well #	March 2025	September 2025
Up Gradient		
Well 5	<0.003	<0.003
Well 4	<0.003	<0.003
Down Gradient – East Trench		
Well 3 (5 m)	0.042	0.022
Well 2 (10 m)	<0.003	<0.003
Well 1 (15 m)	<0.003	<0.003
Down Gradient – West Trench		
Well 6 (5 m)	<0.003	<0.003

Well #	March 2025	September 2025
Well 7 (10 m)	<0.003	<0.003
Well 8 (15 m)	<0.003	<0.003

Note: all results in mg/L unless otherwise noted.

Operational Challenges and Corrective Actions

(b) Historically the facility has experienced a number of challenges primarily with breakdowns of the rotating biological contactors (RBC), which has affected the effluent quality. During the reporting period, both RBC units continued to function as designed. Adjustments to the system include: alum dosage, the timers on the return sludge system to optimize the return rate, and removal of sludge from the system by a licensed waste hauler to lower the solids build-up. The operators are continuing to closely monitor the process and make necessary adjustments as required.

Maintenance Summary

(c) Ontario Clean Water Agency (OCWA) maintenance activities are based on a computerized Work Management System (WMS) using the Maximo application. In its developmental stages, each piece of equipment at the operating facility was tagged with unique bar code numbers, and this information was entered into the electronic WMS database. In addition, data regarding the description of the equipment, model number, serial number, the equipment type, location at the facility as related to process, serviceable status, manufacturer's suggested maintenance activities, all risk factor information and average month usage was also recorded.

Once the equipment inventory was established, preventative maintenance procedures and schedules were developed for each piece of equipment. Each work order generated by the Preventative Maintenance schedule includes materials and parts required, any special tool requirements, work protection, job safety planning, running checks, a preventative maintenance job procedure, and upon completion of the task, the work order is closed out.

Corrective or breakdown maintenance is required when equipment is determined to be non-serviceable, or the potential for non-serviceability exists. All preventative and corrective/breakdown maintenance in OCWA and more specifically the King's Bay Environmental Centre Sewage Works is executed and accounted for under a Maximo work order.

Attached is **Appendix V: Maintenance Summary**, a Work Order Summary report showing all preventative and corrective maintenance activities performed at the King's Bay Environmental Centre during 2025.

Effluent Quality Assurance or Control

(d) Effluent control measures include in-house sampling and testing for operational parameters such as suspended solids, pH, phosphorus, and temperature. In-house testing provides real time results, which are then evaluated to determine if process changes are necessary to enhance operational performance. All in-house sampling and analysis are performed by certified operations staff utilizing approved methods and protocols for sampling, analysis and recording as specified in the Ministry's Procedure F-10-1, "Procedures for Sampling and Analysis Requirements for Municipal and Private Sewage Treatment Works", the Ministry's publication, "Protocol for the Sampling and Analysis of Industrial/Municipal Wastewater" and the publication, "Standard Methods for the Examination of Water and Wastewater".

All effluent samples collected during the reporting period to meet Environmental Compliance Approval (ECA) sampling requirements were submitted to SGS Canada Inc. – Lakefield laboratory for analysis, with the exception of pH and temperature. SGS Canada Inc. – Lakefield has been deemed accredited by the Canadian Association for Laboratory Accreditation (CALA), meeting strict provincial guidelines including an extensive quality assurance/quality control program. By choosing this laboratory, the Ontario Clean Water Agency is ensuring appropriate control measures are undertaken during sample analysis. The pH and temperature parameters were analyzed in the field at the time of sample collection by certified operators, to ensure accuracy and precision of the results obtained.

Calibrations

(e) Flow meter calibrations were conducted on June 17, 2025. The reports are attached as **Appendix VI: Calibration Reports.**

Best Efforts to Achieve Design Objectives of Condition 6

(f) OCWA uses a number of efforts to achieve Effluent Objectives. Effluent quality assurance and control measures include in-house sampling and testing for operational parameters such as pH, temperature, TSS and phosphorus. In-house testing provides real time results which are then used to enhance process and operational performance. OCWA also collects raw sewage and effluent samples as per the Environmental Compliance Approval (ECA) and review these results on a regular basis to ensure compliance with the ECA objectives and limits.

Table 5 provides a summary of the ECA effluent objectives, specified in Condition 6(1), in comparison to the actual effluent results obtained during the reporting period.

Table 5. Effluent Objectives and Results 2025

Effluent Parameter	ECA – Effluent Objective Concentration	Actual Annual Average Concentration in Effluent	Compliant Y/N
$CBOD_5$	10.0 mg/L	6.66	Y
Total Suspended Solids	10.0 mg/L	9.54	Y
Total Phosphorus	0.8 mg/L	0.25	Y
pH	6.5 – 9.0	7.65	Y

The effluent objectives for $CBOD_5$, Total Suspended Solids, Total Phosphorus and pH in the effluent are recommended not to exceed: 10.0 mg/L, 10.0 mg/L, 0.8 mg/L and range of pH between 6.5 – 9.0, respectively. The annual average effluent objective concentrations for $CBOD_5$, Total Suspended Solids, Total Phosphorus and pH were met during the 2025 reporting period.

OCWA has developed comprehensive manuals detailing operations, maintenance, instrumentation and emergency procedures. To ensure facilities are operated in compliance with applicable legal requirements, facility staff have access to a network of operational compliance and support experts at the Hub, Regional and Corporate level.

Appendix VII contains a summary of the coagulant used in 2025.

Sludge

(g) Appendix VIII: Biosolids Summary provides a detailed account of the volume of sludge generated during the reporting period. A total of 185.83 m^3 of biosolids was produced.

Based on current operational conditions, the volume of biosolids generated in the next reporting period is not expected to differ significantly from that of the current year.

All sludge generated at the facility is hauled to the Lindsay Water Pollution Control Plant for further treatment and disposal. No changes to the existing sludge handling and management practices are anticipated.

Complaints

(h) There were zero (0) community complaints received regarding the King's Bay Environmental Centre Sewage Works during the reporting period.

By-pass, Spill or Abnormal Discharge Events

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

Bypasses
There were not any bypasses at the King's Bay Environmental Centre Sewage Works during 2025.

Spills
There were not any spills at the King's Bay Environmental Centre Sewage Works during 2025.

Overflows
There were not any overflows at the King's Bay Environmental Centre Sewage Works in 2025.

Abnormal Discharge Events
There were not any abnormal discharge events at the King's Bay Environmental Centre Sewage Works in 2025.

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

Notice of Modifications to Sewage Works

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

Schedule B, Section 3 Modifications

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

Additional Request by Water Supervisor

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

Reporting Requirements – Wastewater Collection System

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

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

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

The King's Bay Environmental Centre Sewage Collection System consists of works for the collection and transmission of sewage, consisting of approximately 1.5 km of sanitary sewer piping that discharge into the King's Bay Environmental Centre.

There are no monitoring data requirements for the King's Bay Environmental Centre Sewage Collection System.

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

There were no operating problems encountered in 2025 for the King's Bay Environmental Centre Sewage Collection System.

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

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

Attached is **Appendix V: Maintenance Summary**, a Work Order Summary report, showing all preventative and corrective maintenance activities performed at the King's Bay Environmental Centre Sewage Works, including the collection system, during 2025.

All other collection system repairs are summarized in the table below:

Table 6. Summary of Major Structure & Equipment Maintenance and Repair

Major Structure	Work Performed
Full Sanitary Sewer Flushing	Entire collection system flushing

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

Complaints related to the King's Bay Environmental Centre Sewage Collection System and steps taken to address the complaints for 2025 are included in Section (h).

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

There were no Alterations made to the King's Bay Environmental Centre Sewage Collection System in 2025.

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

i) Dates;

ii) Volumes and durations

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

iv) Disinfection, if any; and

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

The King's Bay Environmental Centre Sewage Collection system did not experience any collection system Overflows or Spills in 2025.

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

i) A description of projects undertaken and completed in the Authorized System that result in overall overflow reduction or elimination including expenditures and proposed projects to eliminate overflows with estimated budget forecast for the year following that for which the report is submitted.

Sanitary sewer flushing is conducted on an annual basis (3 years of dead ends/trouble areas and 4th year is a full system flush). During this program, any manholes with infiltration issues are identified and are included in operational maintenance contracts for grouting, frame and cover replacements, etc.

In addition, where manholes are located in lower lying areas and are at risk of being submerged and contributing to inflow, rain bladders are installed to prevent excess water from entering the system, further reducing the risk of overflow.

The King's Bay wastewater collection system infrastructure is relatively new and does not experience excessive infiltration and inflow which could contribute to potential overflows. No deficiencies were identified in 2025.

Work summarized in Table 6 above, were projects undertaken to aid in overall overflow reduction.

Full System Flushing - $2,400

For 2026, $1,750 has been budgeted to perform sanitary sewer flushing in dead-end/troubled areas.

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

The King's Bay Environmental Centre Sewage Collection system does not contain combined sewers and therefore is not required to complete a Pollution Prevention and Control Plan (PPCP).

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

None to report at this time.

iv) An assessment of the ability to meet Procedure F-5-1 or Procedure F-5-5 objectives (as applicable) and if able to meet the objectives, an overview of next steps and estimated timelines to meet the objectives.

N/A

v) Public reporting approach including proactive efforts

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

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Appendix I:

Performance Assessment Report

Ontario Clean Water Agency
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Performance Assessment Report

From 1/1/2025 to 12/31/2025 11:59:59 PM

5318 KING'S BAY WASTEWATER TREATMENT FACILITY 110003665

	1 / 2025	2/ 2025	3/ 2025	4/ 2025	5/ 2025	6/ 2025	7/ 2025	8/ 2025	9/ 2025	10/ 2025	11/ 2025	12/ 2025	<--Total--	<--Avg--	<--Max--	<-Criteria-
Flows																
Raw Flow: Total - Raw m³/d	1,233.75	1,052.98	1,358.02	1,765.46	1,497.68	1,316.45	1,296.59	1,212.61	1,169.35	1,262.50	1,245.23	1,383.54	15,794.17			0.00
Raw Flow: Avg - Raw m³/d	39.80	37.61	43.81	58.85	48.31	43.88	41.83	39.12	38.98	40.73	41.51	44.63		43.25		170.00
Raw Flow: Max - Raw m³/d	45.91	43.42	65.04	104.20	59.92	52.19	52.56	44.02	47.58	49.73	51.96	59.92			104.20	0.00
Raw Flow: Count - Raw m³/d	31.00	28.00	31.00	30.00	31.00	30.00	31.00	31.00	30.00	31.00	30.00	31.00	365.00			0.00
Eff. Flow: Total - Final Eff m³/d	1,113.43	971.72	1,293.75	1,627.24	1,431.14	1,271.90	1,306.29	1,058.17	1,140.05	1,223.37	1,158.12	1,339.96	14,935.14			0.00
Eff. Flow: Avg - Final Eff m³/d	35.92	34.70	41.73	54.24	46.17	42.40	42.14	37.79	38.00	39.46	38.60	43.22		41.26		170.00
Eff. Flow: Max - Final Eff m³/d	43.25	40.94	59.35	100.81	58.28	57.97	49.24	44.77	43.18	48.53	52.83	61.96			100.81	0.00
Eff Flow: Count - Final Eff m³/d	31.00	28.00	31.00	30.00	31.00	30.00	31.00	28.00	30.00	31.00	30.00	31.00	362.00			0.00
Carbonaceous Biochemical Oxygen Demand: CBOD																
Eff: Avg cBOD5 - Final Eff mg/L	< 4.75	< 4.25	< 4.00	< 4.33	< 5.40	< 6.60	8.00	< 6.00	7.20	< 4.80	< 6.50	17.00		< 6.66	< 17.00	15.00
Eff: # of samples of cBOD5 - Final Eff	4.00	4.00	4.00	6.00	5.00	5.00	5.00	4.00	5.00	5.00	4.00	5.00	56.00			0.00
Loading: cBOD5 - Final Eff kg/d	< 0.171	< 0.147	< 0.167	< 0.235	< 0.249	< 0.280	0.337	< 0.227	0.274	< 0.189	< 0.251	0.735		< 0.27	< 0.73	
Biochemical Oxygen Demand: BOD5																
Raw: Avg BOD5 - Raw mg/L	337.00	236.00	347.00	113.00	128.00	248.00	382.00	334.00	342.00	150.00	323.00	301.00		270.08	382.00	0.00
Raw: # of samples of BOD5 - Raw	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00			0.00
Eff: Avg BOD5 - Final Eff mg/L	8.00	6.00	5.00	< 4.00	< 4.00	10.00	6.00	6.00	16.00	11.00	12.00	17.00		8.75	17.00	
Loading: BOD5 - Final Eff kg/d	0.287	0.208	0.209	< 0.217	< 0.185	0.424	0.253	0.227	0.608	0.434	0.463	0.735		0.36	0.73	
Percent Removal: BOD5 - Raw %	97.63	97.46	98.56	96.46	96.88	95.97	98.43	98.20	95.32	92.67	96.28	94.35		96.52	98.56	0.00
Total Suspended Solids: TSS																
Raw: Avg TSS - Raw mg/L	176.00	149.00	218.00	168.00	425.00	222.00	300.00	207.00	230.00	220.00	256.00	290.00		238.42	425.00	0.00
Raw: # of samples of TSS - Raw	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00			0.00
Eff: Avg TSS - Final Eff mg/L	6.25	5.00	4.50	5.67	7.20	11.40	10.40	13.25	15.00	9.80	9.50	15.40		9.54	15.40	15.00
Eff: # of samples of TSS - Final Eff	4.00	4.00	4.00	6.00	5.00	5.00	5.00	4.00	5.00	5.00	4.00	5.00	56.00			0.00
Loading: TSS - Final Eff kg/d	0.224	0.174	0.188	0.307	0.332	0.483	0.438	0.501	0.570	0.387	0.367	0.666		0.39	0.67	
Percent Removal: TSS - Raw %	96.45	96.64	97.94	96.63	98.31	94.86	96.53	93.60	93.48	95.55	96.29	94.69		95.91	98.31	0.00
Total Phosphorus: TP																
Raw: Avg TP - Raw mg/L	6.44	5.25	6.46	4.47	2.74	4.21	4.75	4.72	5.94	5.40	4.96	5.33		5.06	6.46	0.00

Performance Assessment Report

From 1/1/2025 to 12/31/2025 11:59:59 PM

Raw: # of samples of TP - Raw	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00			0.00
Eff: Avg TP - Final Eff mg/L	0.50	0.13	0.12	0.11	0.20	0.21	0.25	0.29	0.32	0.23	0.26	0.41		0.25	0.50	1.00
Eff: # of samples of TP - Final Eff	4.00	4.00	4.00	6.00	4.00	5.00	4.00	4.00	5.00	5.00	4.00	5.00	54.00			0.00
Loading: TP - Final Eff kg/d	0.018	0.004	0.005	0.006	0.009	0.009	0.010	0.011	0.012	0.009	0.010	0.018		0.01	0.02	
Percent Removal: TP - Raw %	92.20	97.62	98.14	97.50	92.61	95.11	94.79	93.91	94.61	95.78	94.71	92.27		94.94	98.14	0.00
Nitrogen Series																
Raw: Avg TKN - Raw mg/L	45.70	38.80	49.00	60.60	90.00	58.40	61.70	78.00	73.80	86.30	97.30	92.40		69.33	97.30	0.00
Raw: # of samples of TKN - Raw	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00			0.00
Eff: Avg TAN - Final Eff mg/L	0.40	0.30	0.20	0.30	0.30	0.40	0.20	0.10	0.30	0.30	0.20	< 0.10		0.26		8.00
Eff: # of samples of TAN - Final Eff	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	12.00			0.00
Loading: TAN - Final Eff kg/d	0.014	0.010	0.008	0.016	0.014	0.017	0.008	0.004	0.011	0.012	0.008	< 0.004		0.01	0.02	

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Appendix II:

Groundwater Monitoring

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

		Mar 2025		Sep 2025	2025 Total		2025 Avg		2025 Max		2025 Min
Monitoring Well 1											
Carbonaceous Biochemical Oxygen Demand: CBOD5 - mg/L											
Count		1.00		1.00	2.00						
Lab Count		1.00		1.00	2.00						
Lab Month.Max	<	4.00	<	4.00				<	4.00		
Lab Month.Mean	<	4.00	<	4.00		<	4.00				
Lab Month.Min	<	4.00	<	4.00						<	4.00
Conductivity - µS/cm											
Lab Count		1.00		1.00	2.00						
Lab Month.Max		810.00		885.00					885.00		
Lab Month.Mean		810.00		885.00			847.50				
Lab Month.Min		810.00		885.00							810.00
Dissolved Reactive Phosphorus (Orthophosphate) - mg/L											
Lab Count		1.00		1.00	2.00						
Lab Month.Max	<	0.03	<	0.03				<	0.03		
Lab Month.Mean	<	0.03	<	0.03		<	0.03				
Lab Month.Min	<	0.03	<	0.03						<	0.03
Nitrate + Nitrite as N: NO3-N + NO2-N - mg/L											
Lab Count		1.00		1.00	2.00						
Lab Month.Max		3.35		3.60					3.60		
Lab Month.Mean		3.35		3.60			3.48				
Lab Month.Min		3.35		3.60							3.35
Nitrite as N: NO2-N - mg/L											
Lab Count		1.00		1.00	2.00						
Lab Month.Max	<	0.03	<	0.03				<	0.03		
Lab Month.Mean	<	0.03	<	0.03		<	0.03				

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

	Lab Month.Min	<	0.03	<	0.03						<	0.03
Nitrate as N: NO3-N - mg/L												
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max		3.35		3.60					3.60		
	Lab Month.Mean		3.35		3.60				3.48			
	Lab Month.Min		3.35		3.60							3.35
pH - ---												
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max		7.78		7.97					7.97		
	Lab Month.Mean		7.78		7.97				7.88			
	Lab Month.Min		7.78		7.97							7.78
Total Phosphorus: TP - mg/L												
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max	<	0.00	<	0.00					< 0.00		
	Lab Month.Mean	<	0.00	<	0.00			<	0.00			
	Lab Month.Min	<	0.00	<	0.00						<	0.00
Total Suspended Solids: TSS - mg/L												
	Count		1.00		1.00		2.00					
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max		349.00		322.00					349.00		
	Lab Month.Mean		349.00		322.00				335.50			
	Lab Month.Min		349.00		322.00							322.00
								2025				
Monitoring Well 2			**Mar 2025**		**Sep 2025**		**Total**		**Avg**	**Max**		**Min**
Carbonaceous Biochemical Oxygen Demand: CBOD5 - mg/L												
	Count		1.00		1.00		2.00					
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max	<	4.00	<	4.00					< 4.00		

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

	Lab Month.Mean	<	4.00	<	4.00			<	4.00				
	Lab Month.Min	<	4.00	<	4.00							<	4.00
Conductivity - µS/cm													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		1780.00		1740.00						1780.00		
	Lab Month.Mean		1780.00		1740.00				1760.00				
	Lab Month.Min		1780.00		1740.00								1740.00
Dissolved Reactive Phosphorus (Orthophosphate) - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max	<	0.03	<	0.03					<	0.03		
	Lab Month.Mean	<	0.03	<	0.03			<	0.03				
	Lab Month.Min	<	0.03	<	0.03							<	0.03
Nitrate + Nitrite as N: NO3-N + NO2-N - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		13.30		11.40						13.30		
	Lab Month.Mean		13.30		11.40				12.35				
	Lab Month.Min		13.30		11.40								11.40
Nitrite as N: NO2-N - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max	<	0.03	<	0.03					<	0.03		
	Lab Month.Mean	<	0.03	<	0.03			<	0.03				
	Lab Month.Min	<	0.03	<	0.03							<	0.03
Nitrate as N: NO3-N - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		13.30		11.40						13.30		
	Lab Month.Mean		13.30		11.40				12.35				
	Lab Month.Min		13.30		11.40								11.40

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

pH - ---													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		7.66		8.01						8.01		
	Lab Month.Mean		7.66		8.01				7.84				
	Lab Month.Min		7.66		8.01								7.66
Total Phosphorus: TP - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max	<	0.00	<	0.00					<	0.00		
	Lab Month.Mean	<	0.00	<	0.00			<	0.00				
	Lab Month.Min	<	0.00	<	0.00							<	0.00
Total Suspended Solids: TSS - mg/L													
	Count		1.00		1.00		2.00						
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		115.00		29.00						115.00		
	Lab Month.Mean		115.00		29.00				72.00				
	Lab Month.Min		115.00		29.00								29.00
									2025				
Monitoring Well 3			**Mar 2025**		**Sep 2025**		**Total**		**Avg**		**Max**		**Min**
Carbonaceous Biochemical Oxygen Demand: CBOD5 - mg/L													
	Count		1.00		1.00		2.00						
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max	<	4.00	<	4.00					<	4.00		
	Lab Month.Mean	<	4.00	<	4.00			<	4.00				
	Lab Month.Min	<	4.00	<	4.00							<	4.00
Conductivity - µS/cm													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		2220.00		2160.00						2220.00		
	Lab Month.Mean		2220.00		2160.00				2190.00				

	Lab Month.Min		2220.00		2160.00							2160.00
Dissolved Reactive Phosphorus (Orthophosphate) - mg/L												
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max	<	0.03	<	0.03					<	0.03	
	Lab Month.Mean	<	0.03	<	0.03			<	0.03			
	Lab Month.Min	<	0.03	<	0.03							< 0.03
Nitrate + Nitrite as N: NO3-N + NO2-N - mg/L												
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max		18.80		17.00						18.80	
	Lab Month.Mean		18.80		17.00				17.90			
	Lab Month.Min		18.80		17.00							17.00
Nitrite as N: NO2-N - mg/L												
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max	<	0.03	<	0.03					<	0.03	
	Lab Month.Mean	<	0.03	<	0.03			<	0.03			
	Lab Month.Min	<	0.03	<	0.03							< 0.03
Nitrate as N: NO3-N - mg/L												
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max		18.80		17.00						18.80	
	Lab Month.Mean		18.80		17.00				17.90			
	Lab Month.Min		18.80		17.00							17.00
pH - ---												
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max		7.83		8.05						8.05	
	Lab Month.Mean		7.83		8.05				7.94			
	Lab Month.Min		7.83		8.05							7.83
Total Phosphorus: TP - mg/L												

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

	Lab Count		1.00		1.00		2.00					
	Lab Month.Max		0.04		0.02						0.04	
	Lab Month.Mean		0.04		0.02				0.03			
	Lab Month.Min		0.04		0.02							0.02
Total Suspended Solids: TSS - mg/L												
	Count		1.00		1.00		2.00					
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max		230.00		186.00						230.00	
	Lab Month.Mean		230.00		186.00				208.00			
	Lab Month.Min		230.00		186.00							186.00
									2025			
Monitoring Well 4			**Mar 2025**		**Sep 2025**		**Total**		**Avg**		**Max**	**Min**
Carbonaceous Biochemical Oxygen Demand: CBOD5 - mg/L												
	Count		1.00		1.00		2.00					
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max	<	4.00	<	4.00					<	4.00	
	Lab Month.Mean	<	4.00	<	4.00			<	4.00			
	Lab Month.Min	<	4.00	<	4.00							< 4.00
Conductivity - µS/cm												
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max		659.00		734.00						734.00	
	Lab Month.Mean		659.00		734.00				696.50			
	Lab Month.Min		659.00		734.00							659.00
Dissolved Reactive Phosphorus (Orthophosphate) - mg/L												
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max	<	0.03	<	0.03					<	0.03	
	Lab Month.Mean	<	0.03	<	0.03			<	0.03			
	Lab Month.Min	<	0.03	<	0.03							< 0.03

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Nitrate + Nitrite as N: NO3-N + NO2-N - mg/L													
Lab Count		1.00		1.00		2.00							
Lab Month.Max		5.19		5.32						5.32			
Lab Month.Mean		5.19		5.32				5.26					
Lab Month.Min		5.19		5.32									5.19
Nitrite as N: NO2-N - mg/L													
Lab Count		1.00		1.00		2.00							
Lab Month.Max	<	0.03	<	0.03					<	0.03			
Lab Month.Mean	<	0.03	<	0.03			<	0.03					
Lab Month.Min	<	0.03	<	0.03							<		0.03
Nitrate as N: NO3-N - mg/L													
Lab Count		1.00		1.00		2.00							
Lab Month.Max		5.19		5.32						5.32			
Lab Month.Mean		5.19		5.32				5.26					
Lab Month.Min		5.19		5.32									5.19
pH - ---													
Lab Count		1.00		1.00		2.00							
Lab Month.Max		7.85		8.05						8.05			
Lab Month.Mean		7.85		8.05				7.95					
Lab Month.Min		7.85		8.05									7.85
Total Phosphorus: TP - mg/L													
Lab Count		1.00		1.00		2.00							
Lab Month.Max	<	0.00	<	0.00					<	0.00			
Lab Month.Mean	<	0.00	<	0.00			<	0.00					
Lab Month.Min	<	0.00	<	0.00							<		0.00
Total Suspended Solids: TSS - mg/L													
Count		1.00		1.00		2.00							

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

		Lab Count		1.00		1.00		2.00						
		Lab Month.Max		163.00		47.00						163.00		
		Lab Month.Mean		163.00		47.00				105.00				
		Lab Month.Min		163.00		47.00								47.00
							2025							
Monitoring Well 5				**Mar 2025**		**Sep 2025**		**Total**		**Avg**		**Max**		**Min**
	Carbonaceous Biochemical Oxygen Demand: CBOD5 - mg/L													
		Count		1.00		1.00		2.00						
		Lab Count		1.00		1.00		2.00						
		Lab Month.Max	<	4.00	<	4.00					<	4.00		
		Lab Month.Mean	<	4.00	<	4.00			<	4.00				
		Lab Month.Min	<	4.00	<	4.00							<	4.00
	Conductivity - µS/cm													
		Lab Count		1.00		1.00		2.00						
		Lab Month.Max		1520.00		755.00						1520.00		
		Lab Month.Mean		1520.00		755.00				1137.50				
		Lab Month.Min		1520.00		755.00								755.00
	Dissolved Reactive Phosphorus (Orthophosphate) - mg/L													
		Lab Count		1.00		1.00		2.00						
		Lab Month.Max	<	0.03	<	0.03					<	0.03		
		Lab Month.Mean	<	0.03	<	0.03			<	0.03				
		Lab Month.Min	<	0.03	<	0.03							<	0.03
	Nitrate + Nitrite as N: NO3-N + NO2-N - mg/L													
		Lab Count		1.00		1.00		2.00						
		Lab Month.Max		5.90		3.46						5.90		
		Lab Month.Mean		5.90		3.46				4.68				
		Lab Month.Min		5.90		3.46								3.46
	Nitrite as N: NO2-N - mg/L													

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

	Lab Count		1.00		1.00		2.00					
	Lab Month.Max	<	0.03	<	0.03					<	0.03	
	Lab Month.Mean	<	0.03	<	0.03			<	0.03			
	Lab Month.Min	<	0.03	<	0.03							< 0.03
Nitrate as N: NO3-N - mg/L												
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max		5.90		3.46						5.90	
	Lab Month.Mean		5.90		3.46				4.68			
	Lab Month.Min		5.90		3.46							3.46
pH - ---												
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max		7.80		8.21						8.21	
	Lab Month.Mean		7.80		8.21				8.01			
	Lab Month.Min		7.80		8.21							7.80
Total Phosphorus: TP - mg/L												
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max	<	0.00	<	0.00					<	0.00	
	Lab Month.Mean	<	0.00	<	0.00			<	0.00			
	Lab Month.Min	<	0.00	<	0.00							< 0.00
Total Suspended Solids: TSS - mg/L												
	Count		1.00		1.00		2.00					
	Lab Count		1.00		1.00		2.00					
	Lab Month.Max		82.00		20.00						82.00	
	Lab Month.Mean		82.00		20.00				51.00			
	Lab Month.Min		82.00		20.00							20.00
									2025			
Monitoring Well 6			**Mar 2025**		**Sep 2025**		**Total**		**Avg**		**Max**	**Min**
Carbonaceous Biochemical Oxygen Demand: CBOD5 - mg/L												

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

	Count		1.00		1.00		2.00						
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max	<	4.00	<	4.00					<	4.00		
	Lab Month.Mean	<	4.00	<	4.00			<	4.00				
	Lab Month.Min	<	4.00	<	4.00							<	4.00
Conductivity - µS/cm													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		2110.00		2020.00						2110.00		
	Lab Month.Mean		2110.00		2020.00				2065.00				
	Lab Month.Min		2110.00		2020.00								2020.00
Dissolved Reactive Phosphorus (Orthophosphate) - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max	<	0.03	<	0.03					<	0.03		
	Lab Month.Mean	<	0.03	<	0.03			<	0.03				
	Lab Month.Min	<	0.03	<	0.03							<	0.03
Nitrate + Nitrite as N: NO3-N + NO2-N - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		19.20		19.90						19.90		
	Lab Month.Mean		19.20		19.90				19.55				
	Lab Month.Min		19.20		19.90								19.20
Nitrite as N: NO2-N - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max	<	0.03	<	0.03					<	0.03		
	Lab Month.Mean	<	0.03	<	0.03			<	0.03				
	Lab Month.Min	<	0.03	<	0.03							<	0.03
Nitrate as N: NO3-N - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		19.20		19.90						19.90		

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

	Lab Month.Mean		19.20		19.90				19.55				
	Lab Month.Min		19.20		19.90								19.20
pH - ---													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		7.75		8.01						8.01		
	Lab Month.Mean		7.75		8.01				7.88				
	Lab Month.Min		7.75		8.01								7.75
Total Phosphorus: TP - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max	<	0.00	<	0.00					<	0.00		
	Lab Month.Mean	<	0.00	<	0.00			<	0.00				
	Lab Month.Min	<	0.00	<	0.00							<	0.00
Total Suspended Solids: TSS - mg/L													
	Count		1.00		1.00		2.00						
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		395.00		444.00						444.00		
	Lab Month.Mean		395.00		444.00				419.50				
	Lab Month.Min		395.00		444.00								395.00
							2025						
Monitoring Well 7			**Mar 2025**		**Sep 2025**		**Total**		**Avg**		**Max**		**Min**
Carbonaceous Biochemical Oxygen Demand: CBOD5 - mg/L													
	Count		1.00		1.00		2.00						
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max	<	4.00	<	4.00					<	4.00		
	Lab Month.Mean	<	4.00	<	4.00			<	4.00				
	Lab Month.Min	<	4.00	<	4.00							<	4.00
Conductivity - µS/cm													
	Lab Count		1.00		1.00		2.00						

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

	Lab Month.Max		1870.00		2140.00						2140.00		
	Lab Month.Mean		1870.00		2140.00				2005.00				
	Lab Month.Min		1870.00		2140.00								1870.00
Dissolved Reactive Phosphorus (Orthophosphate) - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max	<	0.03	<	0.03					<	0.03		
	Lab Month.Mean	<	0.03	<	0.03			<	0.03				
	Lab Month.Min	<	0.03	<	0.03							<	0.03
Nitrate + Nitrite as N: NO3-N + NO2-N - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		13.90		21.90						21.90		
	Lab Month.Mean		13.90		21.90				17.90				
	Lab Month.Min		13.90		21.90								13.90
Nitrite as N: NO2-N - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max	<	0.03	<	0.03					<	0.03		
	Lab Month.Mean	<	0.03	<	0.03			<	0.03				
	Lab Month.Min	<	0.03	<	0.03							<	0.03
Nitrate as N: NO3-N - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		13.90		21.90						21.90		
	Lab Month.Mean		13.90		21.90				17.90				
	Lab Month.Min		13.90		21.90								13.90
pH - ---													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		7.70		7.95						7.95		
	Lab Month.Mean		7.70		7.95				7.83				
	Lab Month.Min		7.70		7.95								7.70

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Total Phosphorus: TP - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max	<	0.00	<	0.00					<	0.00		
	Lab Month.Mean	<	0.00	<	0.00			<	0.00				
	Lab Month.Min	<	0.00	<	0.00							<	0.00
Total Suspended Solids: TSS - mg/L													
	Count		1.00		1.00		2.00						
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		849.00		722.00						849.00		
	Lab Month.Mean		849.00		722.00				785.50				
	Lab Month.Min		849.00		722.00								722.00
									2025				
Monitoring Well 8			**Mar 2025**		**Sep 2025**		**Total**		**Avg**		**Max**		**Min**
Carbonaceous Biochemical Oxygen Demand: CBOD5 - mg/L													
	Count		1.00		1.00		2.00						
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max	<	4.00	<	4.00					<	4.00		
	Lab Month.Mean	<	4.00	<	4.00			<	4.00				
	Lab Month.Min	<	4.00	<	4.00							<	4.00
Conductivity - µS/cm													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		876.00		1680.00						1680.00		
	Lab Month.Mean		876.00		1680.00				1278.00				
	Lab Month.Min		876.00		1680.00								876.00
Dissolved Reactive Phosphorus (Orthophosphate) - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max	<	0.03	<	0.03					<	0.03		
	Lab Month.Mean	<	0.03	<	0.03			<	0.03				

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

	Lab Month.Min	<	0.03	<	0.03							<	0.03
Nitrate + Nitrite as N: NO3-N + NO2-N - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		4.04		9.41						9.41		
	Lab Month.Mean		4.04		9.41				6.73				
	Lab Month.Min		4.04		9.41								4.04
Nitrite as N: NO2-N - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max	<	0.03	<	0.03					<	0.03		
	Lab Month.Mean	<	0.03	<	0.03			<	0.03				
	Lab Month.Min	<	0.03	<	0.03							<	0.03
Nitrate as N: NO3-N - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		4.04		9.41						9.41		
	Lab Month.Mean		4.04		9.41				6.73				
	Lab Month.Min		4.04		9.41								4.04
pH - ---													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max		7.54		7.92						7.92		
	Lab Month.Mean		7.54		7.92				7.73				
	Lab Month.Min		7.54		7.92								7.54
Total Phosphorus: TP - mg/L													
	Lab Count		1.00		1.00		2.00						
	Lab Month.Max	<	0.00	<	0.00					<	0.00		
	Lab Month.Mean	<	0.00	<	0.00			<	0.00				
	Lab Month.Min	<	0.00	<	0.00							<	0.00
Total Suspended Solids: TSS - mg/L													

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

		Count		1.00		1.00		2.00				
		Lab Count		1.00		1.00		2.00				
		Lab Month.Max		583.00		1510.00					1510.00	
		Lab Month.Mean		583.00		1510.00				1046.50		
		Lab Month.Min		583.00		1510.00						583.00

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Appendix III:

pH & Temperature Summary

Customized Monthly Vertical Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

	Final Eff								
	pH - ---				Temperature - °C				
	IH Edited Count	IH Mon.Max	IH Mon.Mean	IH Mon.Min	IH Edited Count	IH Mon.Max	IH Mon.Mean	IH Mon.Min
Jan 2025	13.00	7.95	7.64	7.38	13.00	13.10	10.72	8.80
Feb 2025	12.00	7.92	7.49	6.84	12.00	12.20	10.79	9.10
Mar 2025	12.00	8.13	7.83	7.42	12.00	14.10	11.01	9.80
Apr 2025	14.00	8.31	7.79	7.17	14.00	16.20	13.24	9.50
May 2025	13.00	8.40	8.07	7.75	13.00	17.80	16.08	14.40
Jun 2025	13.00	8.22	7.78	7.53	13.00	20.70	18.52	16.20
Jul 2025	14.00	7.88	7.66	7.41	14.00	21.20	20.52	19.70
Aug 2025	12.00	7.52	7.23	6.62	12.00	22.30	20.99	19.50
Sep 2025	12.00	7.46	7.28	7.19	12.00	21.00	20.46	20.00
Oct 2025	15.00	7.90	7.56	7.30	15.00	20.40	18.88	17.30
Nov 2025	12.00	7.79	7.65	7.04	12.00	17.40	15.58	14.00
Dec 2025	14.00	8.04	7.78	7.66	14.00	13.60	12.25	10.00
Total	156.00				156.00			
Avg			7.65				15.79	
Max		8.40				22.30		
Min				6.62				8.80

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Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Appendix IV:

Groundwater Monitoring Wells - Levels

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

	Mar 2025	Jun 2025	Sep 2025	Dec 2025	2025 Total	2025 Avg	2025 Max	2025 Min
Monitoring Well 1								
Well Level - m								
IH Edited Count	1.00	1.00	1.00	1.00	4.00			
IH Month.Max	5.40	5.25	5.87	5.76			5.87	
IH Month.Mean	5.40	5.25	5.87	5.76		5.57		
IH Month.Min	5.40	5.25	5.87	5.76				5.25
Monitoring Well 2								
Well Level - m								
IH Edited Count	1.00	1.00	1.00	1.00	4.00			
IH Month.Max	6.64	6.35	6.58	6.92			6.92	
IH Month.Mean	6.64	6.35	6.58	6.92		6.62		
IH Month.Min	6.64	6.35	6.58	6.92				6.35
Monitoring Well 3								
Well Level - m								
IH Edited Count	1.00	1.00	1.00	1.00	4.00			
IH Month.Max	6.95	6.85	7.63	7.41			7.63	
IH Month.Mean	6.95	6.85	7.63	7.41		7.21		
IH Month.Min	6.95	6.85	7.63	7.41				6.85
Monitoring Well 4								
Well Level - m								
IH Edited Count	1.00	1.00	1.00	1.00	4.00			
IH Month.Max	7.73	7.15	8.73	7.92			8.73	
IH Month.Mean	7.73	7.15	8.73	7.92		7.88		
IH Month.Min	7.73	7.15	8.73	7.92				7.15

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

						2025			
Monitoring Well 5	Mar 2025	Jun 2025	Sep 2025	Dec 2025	Total	Avg	Max	Min
Well Level - m								
IH Edited Count	1.00	1.00	1.00	1.00	4.00			
IH Month.Max	8.20	7.59	8.40	8.36			8.40	
IH Month.Mean	8.20	7.59	8.40	8.36		8.14		
IH Month.Min	8.20	7.59	8.40	8.36				7.59
					2025			
Monitoring Well 6	Mar 2025	Jun 2025	Sep 2025	Dec 2025	Total	Avg	Max	Min
Well Level - m								
IH Edited Count	1.00	1.00	1.00	1.00	4.00			
IH Month.Max	3.90	5.00	6.02	5.86			6.02	
IH Month.Mean	3.90	5.00	6.02	5.86		5.20		
IH Month.Min	3.90	5.00	6.02	5.86				3.90
					2025			
Monitoring Well 7	Mar 2025	Jun 2025	Sep 2025	Dec 2025	Total	Avg	Max	Min
Well Level - m								
IH Edited Count	1.00	1.00	1.00	1.00	4.00			
IH Month.Max	3.50	4.60	5.57	5.44			5.57	
IH Month.Mean	3.50	4.60	5.57	5.44		4.78		
IH Month.Min	3.50	4.60	5.57	5.44				3.50
					2025			
Monitoring Well 8	Mar 2025	Jun 2025	Sep 2025	Dec 2025	Total	Avg	Max	Min
Well Level - m								
IH Edited Count	1.00	1.00	1.00	1.00	4.00			
IH Month.Max	3.30	4.34	5.32	5.10			5.32	
IH Month.Mean	3.30	4.34	5.32	5.10		4.52		
IH Month.Min	3.30	4.34	5.32	5.10				3.30

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Appendix V:

Maintenance Summary

Workorder Summary Report

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

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

Location: 5318*

Work Order Type: CALL,EMER

Work Order Class:

			WorkOrder		Workorder Details			
WO #	Asset Description	Location Description	Type	Class	Work Order Description	Status	Actual Start	Actual Finsh
4334631	GEAR DRIVE 01 RBC	5318, Kings Bay WWT, Process	CALL	Refurbish/ Replace/ Repair	5318, Kings Bay WWTP, RBC 1 Fail Alarm	CLOSE	1/9/25 01:22 AM	1/9/25 03:00 AM
4338950	PANEL CONTROL RBC	5318, Kings Bay WWT, Facility, Power Distribution	CALL	Inspection	5318, Kings Bay WWT, RBC 2 Fault	CLOSE	1/29/25 06:30 AM	1/29/25 07:30 AM
4339131		5318, Kings Bay WWT	CALL	Refurbish/ Replace/ Repair	5318, Kings Bay WWT, RBC 2 Fault Alarm	CLOSE	1/30/25 12:53 AM	1/30/25 04:35 AM
4429336		5318, Kings Bay Effluent PS	CALL	Refurbish/ Replace/ Repair	5318, Kings Bay Effluent PS, Effluent Pump Fail Alarm	CLOSE	3/30/25 12:00 PM	3/30/25 04:30 PM
4551109		King's Bay WWTP	CALL	Refurbish/ Replace/ Repair	5318, King's Bay WWTP, Wet Well Level Alarm	CLOSE	5/4/25 03:17 PM	5/4/25 08:31 PM
4759070	PANEL CONTROL EFFLUENT	5318, Kings Bay WWT, Facility, Power Distribution	CALL	Refurbish/ Replace/ Repair	5318, Kings Bay WWT, SLC Fault Alarm	CLOSE	8/29/25 09:30 PM	8/30/25 02:30 AM
4759099	PANEL CONTROL EFFLUENT	5318, Kings Bay WWT, Facility, Power Distribution	EMER	Refurbish/ Replace/ Repair	5318, Kings Bay WWT, SLC Fault Repair	CLOSE	9/2/25 09:36 AM	9/2/25 09:51 AM

4793525		5318, Kings Bay WWT, Process	CALL	Compliance	5318, Kings Bay WWTP, RBC Fault Alarm	CLOSE	10/1/25 02:45 PM	10/1/25 02:49 PM
4817100	PUMP SUBMERSIBLE 03 EFFLUENT KINGS BAY [6.5 HP]	5318, Kings Bay Effluent PS, Process	CALL	Refurbish/ Replace/ Repair	5318, Kings Bay Effluent PS, Pump 3 Fault	CLOSE	10/12/25 05:45 AM	10/12/25 09:45 AM
4862002		5318, Kings Bay WWT, Process, Process Control & Monitoring	CALL	Refurbish/ Replace/ Repair	5318, Kings Bay WWT, Influent SPS, Low Level Alarm	CLOSE	11/8/25 05:19 PM	11/8/25 05:26 PM
4862353	PUMP SUBMERSIBLE 01 EFFLUENT KINGS BAY [6 HP]	5318, Kings Bay WWT, Process	CALL	Refurbish/ Replace/ Repair	5318, KIngs Bay WWT, Effluent Pump Fault Alarm	CLOSE	11/10/25 07:53 AM	11/10/25 08:00 AM
4909253		5318, Kings Bay WWT	CALL	Refurbish/ Replace/ Repair	5318, King's Bay WWT, Effluent Pump 1 Fault Alarm	COMP	12/18/25 09:01 PM	12/18/25 11:42 PM
4910784		5318, Kings Bay Effluent PS, Facility	CALL	Inspection	5318, Kings Bay Effluent PS, Tank Low/High Alarm due to Ice Storm	COMP	12/29/25 12:00 AM	12/29/25 04:30 AM
4910822	PUMP SUBMERSIBLE 03 EFFLUENT KINGS BAY [6.5 HP]	5318, Kings Bay Effluent PS, Process	CALL	Compliance	5318, Kings Bay WWTP, Effluent Pump Fault Alarm	COMP	12/29/25 05:57 PM	12/29/25 06:08 PM

Workorder Summary Report

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

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

Location: 5318*

Work Order Type: CAP,CORR

Work Order Class:

			WorkOrder		Workorder Details			
WO #	Asset Description	Location Description	Type	Class	Work Order Description	Status	Actual Start	Actual Finsh
4334633	GEAR DRIVE 01 RBC	5318, Kings Bay WWT, Process	CORR	Refurbish/ Replace/ Repair	5318, Kings Bay WWT, RBC 1 Chain Broken, Repair/Replace, Follow up to CB WO#4334631	COMP	1/9/25 07:02 AM	1/27/26 12:47 PM
4378913	PUMP SUBMERSIBLE 03 EFFLUENT KINGS BAY [6.5 HP]	5318, Kings Bay Effluent PS, Process	CAP	Refurbish/ Replace/ Repair	5318, Kings Bay Effluent PS, Influent and Effluent Pump Replacement	COMP	12/18/25 03:33 PM	12/18/25 03:33 PM
4711711		5318, Kings Bay Effluent PS	CORR	Refurbish/ Replace/ Repair	5318, Kings Bay WWT, Effluent Pump UPS	COMP	1/27/26 12:49 PM	1/27/26 12:49 PM
4711836	METER FLOW EFFLUENT 1	5318, Kings Bay WWT, Process, Process Control & Monitoring	CORR	Refurbish/ Replace/ Repair	5318, Kings Bay WWT, Flow Meter Repair	CLOSE	8/29/25 01:29 PM	8/29/25 01:32 PM
4815383	PANEL CONTROL RBC	5318, Kings Bay WWT, Facility, Power Distribution	CORR	Refurbish/ Replace/ Repair	5318, Kings Bay WWT, Facility, RBC 2 Troubleshoot Alarm	CLOSE	10/6/25 07:40 AM	10/14/25 08:28 AM
4863616		5318, Kings Bay Wastewater Collection	CAP	Compliance	5318, Kings Bay Wastewater Collection - Operations and Maintenance Manual Annual Review	COMP	11/21/25 08:22 AM	12/17/25 01:29 PM
4909833	PUMP SUBMERSIBLE 01 EFFLUENT KINGS BAY [6 HP]	5318, Kings Bay Effluent PS, Process	CORR	Refurbish/ Replace/ Repair	5318, Kings Bay WWT, Effluent 1 Pump Fault	COMP	12/22/25 09:10 AM	1/16/26 12:04 PM
4909959	PUMP SUBMERSIBLE 01 EFFLUENT KINGS BAY [6 HP]	5318, Kings Bay Effluent PS, Process	CORR	Refurbish/ Replace/ Repair	5318, Kings Bay WWT, Effluent Pump 1 Fault	COMP	12/22/25 12:00 PM	1/16/26 12:02 PM

Workorder Summary Report

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

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

Location: 5318*

Work Order Type: OPER,PM

Work Order Class:

			WorkOrder		Workorder Details			
WO #	Asset Description	Location Description	Type	Class	Work Order Description	Status	Actual Start	Actual Finsh
4284766		5318, Kings Bay WWT	PM	Inspection	5318, Kings Bay WWT, Daily Operations	COMP	1/2/26 09:11 AM	1/2/26 09:11 AM
4287048	TANK STORAGE ALUM BULK	5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank Alum Inspection (1m) - 5318 - KTS	CLOSE	1/15/25 12:20 PM	1/15/25 12:20 PM
4306094		5318, Kings Bay WWT	PM	Inspection	Chemical Feed System Insp (1m) - 5318 - KTS	CLOSE	1/15/25 12:21 PM	1/15/25 12:21 PM
4309769		5318, Kings Bay WWT	OPER	Compliance	Operator PDM Entry & Review (1m) - 5318 - KTS	CLOSE	1/15/25 12:23 PM	1/15/25 12:23 PM
4343311	TANK STORAGE ALUM BULK	5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank Alum Inspection (1m) - 5318 - KTS	CLOSE	2/6/25 11:30 AM	2/6/25 11:30 AM
4357757		5318, Kings Bay WWT	PM	Inspection	Chemical Feed System Insp (1m) - 5318 - KTS	CLOSE	2/6/25 11:31 AM	2/6/25 11:31 AM
4360194		5318, Kings Bay WWT	OPER	Compliance	Operator PDM Entry & Review (1m) - 5318 - KTS	CLOSE	2/6/25 09:01 AM	2/6/25 09:01 AM
4371829		5318, Kings Bay WWT	PM	HEALTH AND SAFETY	H & S Equipment Check (1m) - 5318 - KTS	CLOSE	2/6/25 11:34 AM	2/6/25 11:34 AM
4386540		5318, Kings Bay WWT	PM	Inspection	Tank Wetwell Level Equipment Inspection (6m) - 5318- KTS	CLOSE	3/19/25 10:22 AM	3/19/25 10:22 AM
4386542		5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank RBC #1 Insp/Service (3m) - 5318 - KTS	CLOSE	4/24/25 07:00 AM	5/13/25 08:30 AM

4386805	TANK STORAGE ALUM BULK	5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank Alum Inspection (1m) - 5318 - KTS	CLOSE	3/19/25 02:03 PM	3/19/25 02:03 PM
4386808	TANK PROCESS WET WELL EFFLUENT	5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank Wetwell Cleaning/Inspection (1y) - 5318 Effulent- KTS	CLOSE	6/24/25 03:25 PM	6/24/25 03:25 PM
4387372		5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank RBC #2 Insp/Service (3m) - 5318 - KTS	CLOSE	4/24/25 10:00 AM	4/24/25 10:30 AM
4402367		5318, Kings Bay WWT	PM	Inspection	Chemical Feed System Insp (1m) - 5318 - KTS	CLOSE	3/19/25 02:02 PM	3/19/25 02:02 PM
4404689		5318, Kings Bay WWT	OPER	Compliance	Operator PDM Entry & Review (1m) - 5318 - KTS	CLOSE	3/4/25 01:28 PM	3/4/25 01:28 PM
4416995		5318, Kings Bay WWT	PM	HEALTH AND SAFETY	H & S Equipment Check (1m) - 5318 - KTS	CLOSE	3/19/25 02:05 PM	3/19/25 02:05 PM
4433554	TANK STORAGE ALUM BULK	5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank Alum Inspection (1m) - 5318 - KTS	CLOSE	4/8/25 12:00 PM	4/8/25 12:30 PM
4451952		5318, Kings Bay WWT	PM	Inspection	Chemical Feed System Insp (1m) - 5318 - KTS	CLOSE	4/23/25 10:30 AM	4/23/25 11:00 AM
4453861		5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Gear Drive RBC #1 Inspection/Service (1y) - 5318 - KTS	COMP	1/29/26 12:25 PM	1/29/26 12:25 PM
4453867		5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Gear Drive RBC #2 Inspection/Service (1y) - 5318 - KTS	COMP	1/29/26 12:26 PM	1/29/26 12:26 PM
4454887		5318, Kings Bay WWT	OPER	Compliance	Operator PDM Entry & Review (1m) - 5318 - KTS	CLOSE	10/31/25 11:34 AM	10/31/25 11:34 AM
4494170		5318, Kings Bay WWT	PM	Inspection	Lifting Devices & Fall Arrest Inspection by Contractor (1y) - 5318 - KTS	CLOSE	6/13/25 12:00 AM	6/13/25 12:00 AM
4494306	TANK STORAGE ALUM BULK	5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank Alum Inspection (1m) - 5318 - KTS	CLOSE	5/7/25 08:08 AM	5/7/25 08:08 AM

4494309	TANK PROCESS WET WELL INFLUENT	5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank Wetwell Cleaning/Inspection (6m) - 5318 Influent- KTS	CLOSE	6/27/25 01:23 PM	6/27/25 01:23 PM
4511882		5318, Kings Bay WWT	PM	Inspection	Chemical Feed System Insp (1m) - 5318 - KTS	CLOSE	5/7/25 08:11 AM	5/7/25 08:11 AM
4514406		5318, Kings Bay WWT	OPER	Compliance	Operator PDM Entry & Review (1m) - 5318 - KTS	CLOSE	5/9/25 09:29 AM	5/9/25 09:29 AM
4560692		5318, Kings Bay WWT	PM	Calibration	Online Process Equipment Calibration Service by Contractor (1y) - 5318 - KTS	CLOSE	6/17/25 07:00 AM	6/17/25 03:30 PM
4560697		5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank RBC #1 Insp/Service (3m) - 5318 - KTS	CLOSE	8/1/25 02:14 PM	8/1/25 02:14 PM
4560968	TANK STORAGE ALUM BULK	5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank Alum Inspection (1m) - 5318 - KTS	CLOSE	6/25/25 10:12 AM	6/25/25 10:12 AM
4561423		5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank RBC #2 Insp/Service (3m) - 5318 - KTS	CLOSE	8/1/25 02:16 PM	8/1/25 02:16 PM
4579605		5318, Kings Bay WWT	PM	Inspection	Chemical Feed System Insp (1m) - 5318 - KTS	CLOSE	6/25/25 10:11 AM	6/25/25 10:11 AM
4582352		5318, Kings Bay WWT	OPER	Compliance	Operator PDM Entry & Review (1m) - 5318 - KTS	CLOSE	9/9/25 03:10 PM	9/9/25 03:10 PM
4612407		5318, Kings Bay Effluent PS	OPER	Inspection	Grating Insp (1y) - 5318, Kings Bay Effluent PS - KTS	COMP	1/30/26 02:48 PM	1/30/26 02:48 PM
4612419		5318, Kings Bay Influent PS	OPER	Inspection	Grating Insp (1y) - 5318, Kings Bay Influent PS - KTS	COMP	1/30/26 02:46 PM	1/30/26 02:46 PM
4612431		5318, Kings Bay Wastewater Collection	OPER	Inspection	Grating Insp (1y) - 5318, Kings Bay Wastewater Collection - KTS	CLOSE	7/14/25 01:37 PM	7/14/25 01:37 PM
4612443		5318, Kings Bay WWT	OPER	Inspection	Grating Insp (1y) - 5318, Kings Bay WWT - KTS	COMP	1/30/26 02:42 PM	1/30/26 02:42 PM

4624320	TANK STORAGE ALUM BULK	5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank Alum Inspection (1m) - 5318 - KTS	CLOSE	7/4/25 07:44 AM	7/4/25 07:44 AM
4640514		5318, Kings Bay WWT	PM	Inspection	Chemical Feed System Insp (1m) - 5318 - KTS	CLOSE	7/4/25 07:45 AM	7/4/25 07:45 AM
4646730		5318, Kings Bay WWT	OPER	Compliance	Operator PDM Entry & Review (1m) - 5318 - KTS	CLOSE	8/12/25 07:31 AM	8/12/25 07:31 AM
4669040	TANK STORAGE ALUM BULK	5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/	Tank Alum Inspection (1m) - 5318 - KTS	CLOSE	8/29/25 08:55 AM	8/29/25 08:55 AM
4684193		5318, Kings Bay WWT	PM	Inspection	Chemical Feed System Insp (1m) - 5318 - KTS	CLOSE	8/29/25 08:57 AM	8/29/25 08:57 AM
4686479		5318, Kings Bay WWT	OPER	Compliance	Operator PDM Entry & Review (1m) - 5318 - KTS	CLOSE	8/12/25 07:30 AM	8/12/25 07:30 AM
4715606		5318, Kings Bay WWT	PM	Inspection	Tank Wetwell Level Equipment Inspection (6m) - 5318- KTS	CLOSE	9/19/25 05:00 PM	9/19/25 05:00 PM
4715608		5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank RBC #1 Insp/Service (3m) - 5318 - KTS	CLOSE	9/19/25 04:31 PM	9/19/25 04:31 PM
4716063	TANK STORAGE ALUM BULK	5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank Alum Inspection (1m) - 5318 - KTS	CLOSE	9/16/25 02:43 PM	9/16/25 02:43 PM
4716622		5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank RBC #2 Insp/Service (3m) - 5318 - KTS	CLOSE	9/19/25 04:58 PM	9/19/25 04:58 PM
4733881		5318, Kings Bay WWT	PM	Inspection	Chemical Feed System Insp (1m) - 5318 - KTS	CLOSE	9/16/25 02:46 PM	9/16/25 02:46 PM
4736678		5318, Kings Bay WWT	OPER	Compliance	Operator PDM Entry & Review (1m) - 5318 - KTS	CLOSE	10/15/25 09:59 AM	10/15/25 09:59 AM
4769197	TANK STORAGE ALUM BULK	5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank Alum Inspection (1m) - 5318 - KTS	CLOSE	10/17/25 10:35 AM	10/17/25 10:35 AM
4785024		5318, Kings Bay WWT	PM	Inspection	UPS Insp/Service (1y) - 5318 - KTS	COMP	1/29/26 11:28 AM	1/29/26 11:28 AM
4786425		5318, Kings Bay WWT	PM	Inspection	Chemical Feed System Insp (1m) - 5318 - KTS	CLOSE	10/17/25 10:37 AM	10/17/25 10:37 AM
4788270		5318, Kings Bay WWT	OPER	Compliance	Operator PDM Entry & Review (1m) - 5318 - KTS	CLOSE	10/15/25 10:00 AM	10/15/25 10:00 AM
4816132		5318, Kings Bay WWT	PM	Inspection	Tank Wetwell Level Equipment Inspection (6m) - 5318- KTS	CLOSE	10/17/25 02:12 PM	10/17/25 02:12 PM
4817466		5318, Kings Bay WWT	PM	Inspection	Tank Wetwell Level Equipment	CAN		

					Inspection (6m) - 5318- KTS			
4823636	TANK STORAGE ALUM BULK	5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank Alum Inspection (1m) - 5318 - KTS	CLOSE	11/21/25 02:33 PM	11/21/25 02:33 PM
4823639	TANK PROCESS WET WELL INFLUENT	5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank Wet Well Cleaning/Inspection (6m) - 5318 Influent- KTS	COMP	2/18/26 11:11 AM	2/18/26 11:11 AM
4837964		5318, Kings Bay WWT	PM	Inspection	Chemical Feed System Insp (1m) - 5318 - KTS	CLOSE	11/21/25 02:31 PM	11/21/25 02:31 PM
4840712		5318, Kings Bay WWT	OPER	Compliance	Operator PDM Entry & Review (1m) - 5318 - KTS	CLOSE	11/18/25 12:21 PM	11/18/25 12:21 PM
4868627		5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank RBC #1 Insp/Service (3m) - 5318 - KTS	COMP	12/17/25 03:19 PM	12/17/25 03:19 PM
4868854	TANK STORAGE ALUM BULK	5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank Alum Inspection (1m) - 5318 - KTS	CLOSE	12/10/25 12:16 PM	12/10/25 12:16 PM
4869151		5318, Kings Bay WWT, Process	PM	Refurbish/ Replace/ Repair	Tank RBC #2 Insp/Service (3m) - 5318 - KTS	COMP	12/17/25 03:22 PM	12/17/25 03:22 PM
4883662		5318, Kings Bay WWT	PM	Inspection	Chemical Feed System Insp (1m) - 5318 - KTS	CLOSE	12/10/25 12:19 PM	12/10/25 12:19 PM
4885885		5318, Kings Bay WWT	OPER	Compliance	Operator PDM Entry & Review (1m) - 5318 - KTS	CLOSE	12/11/25 09:49 AM	12/11/25 09:49 AM

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Appendix VI:

Calibration Report

Franklin Empire Inc,
550 Braidwood Ave
Peterborough ON K9J 1W1, CANADA

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

OCWA Kawartha

2025 Calibrations Kings Bay WTP & WWTP

CALIBRATION REPORT

Report No.: OCWA K 2025 PIT

Date: 17-Jun-25

SITE:	Kings Bay WTP
PROCESS AREA:	Treated pressure
INSTR. TAG:	PIT
MANUFACTURER:	Moore
MODEL:	
SERIAL No.:	
OCWA CODE No.:	Kawartha Lakes W/WW 0000426541

SERVICE DATE:	June 17, 2025
TECHNICIAN:	Mitch Manley
JOB REFERENCE:	OCWA K 2025

Input	**(Test)**
Type:	PSI
Min:	0.00
Max:	100.00

Output	**(Signal)**	**(Process)**
Type or EGU:	mA	PSI
Min:	4.00	0.00
Max:	20.00	100.00

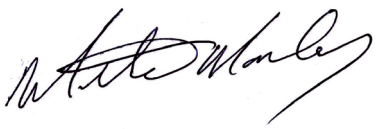
			Before Calibration		**After Calibration**	
Test PSI	**%**	**mA**	**PSI**	**Error**	**PSI**	**Error**
0.00	0.00%	4.00	0.0	0.00%	0.0	0.00%
25.00	25.00%	8.00	25.0	0.00%	25.0	0.00%
50.00	50.00%	12.00	50.2	0.40%	50.2	0.40%
75.00	75.00%	16.00	75.3	0.40%	75.3	0.40%
100.00	100.00%	20.00	100.5	0.50%	100.5	0.50%

Calibration Equipment

Type:	Pressure Calibrator	DMM	
Manufacturer:	Crystal	Fluke	
2019 Calibrations N	XP2i 300 PSI	Model 87	
Serial No.:	153455	13440128	
Last Cal. Date:	Dec. 5, 2024	Feb. 11, 2025	

Comments:

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

CERTIFIED BY: 

CALIBRATION REPORT

Report No.:	OCWA K 2025 AIT-TURB
Date:	17-Jun-25

SITE:	KING'S BAY WTP	**SERVICE DATE:**	June 17, 2025
PROCESS AREA:	Turbudity		
INSTR. TAG:	AIT-TURB	**TECHNICIAN:**	Mitch Manley
MANUFACTURER:	Hach		
MODEL:	SC100 / 1720E	**JOB REFERENCE:**	OCWA K 2025
SERIAL No.:	090600326041 / 09060C0453		
OCWA CODE:	0000295631 / 0000192455		

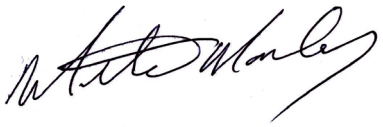
Input	**(Test)**	**Output**	**(Signal)**	**(Process)**
Type:	NTU	**Type or EGU:**	mA	NTU
Min:	0.00	**Min:**	4.00	0.00
Max:	2.00	**Max:**	20.00	2.00

			Before Calibration		**After Calibration**	
		User Prepared	Formazine			
		20 NTU	20 NTU			
				Gain		Gain
			20.25	1.41	20.00	1.43

Calibration Equipment			
Type:	Verification Module	Formazine	
Manufacturer:	HACH	Hach	
Model:	ICE PIC	4000 NTU	
Serial No.:		Lot A4362	
Last Cal. Date:		Exp Dec. 2026	

Comments: Zeroed Electronics, Ice Pic Pass, Incresaed flow slightly

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

CERTIFIED BY: 

FRANKLIN EMPIRE

CALIBRATION REPORT

Report No.: OCWA K 2025 AIT-CL2

Date: 17-Jun-25

SITE:	KING'S BAY WTP	**SERVICE DATE:**	June 17, 2025
PROCESS AREA:	Treated Chlorine	**TECHNICIAN:**	Mitch Manley
INSTR. TAG:	AIT-CL2	**JOB REFERENCE:**	OCWA K 2025
MANUFACTURER:	Prominent s/n 2010142498		
MODEL:	Dulcometer D1CAW1C10001G000E		
PROBE:	Typ CLE 3.1		
OCWA CODE:	0000192861		

Input	**(Test)**	**Output**	**(Signal)**	**(Process)**
Type:	Chlorine	**Type or EGU:**	mA	mg/L
Min:	0.00	**Min:**	4.00	0.00
Max:	5.00	**Max:**	20.00	5.00

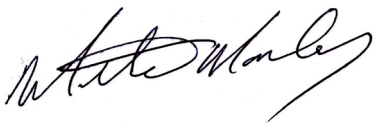
			Before Calibration		**After Calibration**	
			Flow (l/h)	30	Flow (l/h)	40
	Cl2	1.57	Cl2	1.43	Cl2	1.57
			Zero	Slope	Zero	Slope
			4.00mA	0.71 mA/ppm	4.00mA	0.78 mA/ppm

Calibration Equipment			
Type:	pH Buffers	DPD Tester	
Manufacturer:	7 & 10	Hach	
Model:	HACH	Pocket Colorimeter II	
Serial No.:		13040E220668	
Last Cal. Date:		Mar. 28 2025	

Comments: pH in Manual 7.37 pH

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

CERTIFIED BY:



FRANKLIN EMPIRE

CALIBRATION REPORT

Report No.: OCWA K 2025 FIT-Well 4

Date: 17-Jun-25

SITE:	KING'S BAY WTP	**SERVICE DATE:**	June 17, 2025
PROCESS AREA:	RAW WATER FLOW	**TECHNICIAN:**	Mitch Manley
INSTR. TAG:	FIT-Well 4	**JOB REFERENCE:**	OCWA K 2025
MANUFACTURER:	ABB		
MODEL:	Mag Master		
SERIAL No.:	V/36023/4/2		
OCWA No.:	0000114620		

Input	**(Test)**	**Output**	**(Signal)**	**(Process)**
Type:	ABB Simulator	**Type or EGU:**	E&H	Liter/Sec
Min:	0.00	**Min:**	0.00	0.00
Max:	3.8764	**Max:**	3.00	3.00
DN (mm):	25			
Velocity Range:	6.111536		6.4	
Constant:	0.0007854			
Sensor Factor 1:	1.57662			

			Before Calibration		**After Calibration**	
Input (m/s nominal)	**Input %**	**Calc. O/P**	**Output**	**%Error**	**Output**	**%Error**
0.00	0.00%	0.00	0.00	0.00%	0.00	0.00%
0.10	2.58%	0.08	0.08	0.00%	0.08	0.00%
0.20	5.16%	0.15	0.15	0.00%	0.15	0.00%
0.50	12.90%	0.39	0.39	0.00%	0.39	0.00%
1.00	25.80%	0.77	0.77	0.00%	0.77	0.00%
2.00	51.59%	1.55	1.55	0.00%	1.55	0.00%

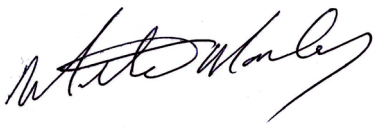
Calibration Equipment

Type:	DMM	Simulator	
Manufacturer:	Fluke	ABB	
Model:	Model 87	MagMaster	
Serial No.:	13440128	3K220000120586	
Last Cal. Date:	Feb. 11, 2025	May 9, 2025	

Comments:
Snsr Fact 1> 1.57662
Snsr Fact 2>-7
Snsr Fact 3> 5
Snsr Fact 4> 1.00000

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

CERTIFIED BY:



CALIBRATION REPORT

Report No.: OCWA K 2025 FIT-Well 2

Date: 17-Jun-25

SITE:	KING'S BAY WTP	**SERVICE DATE:**	June 17, 2025
PROCESS AREA:	RAW WATER FLOW	**TECHNICIAN:**	Mitch Manley
INSTR. TAG:	FIT-Well 2	**JOB REFERENCE:**	OCWA K 2025
MANUFACTURER:	ABB		
MODEL:	Mag Master		
SERIAL No.:	V/36023/5/1		
OCWA No.:	0000114621		

Input	**(Test)**		**Output**	**(Signal)**	**(Process)**
Type:	ABB Simulator		**Type or EGU:**	E&H	Liter/Sec
Min:	0.00		**Min:**	0.00	0.00
Max:	3.8764		**Max:**	3.00	3.00
DN (mm):	25				
Velocity Range:	6.111536				
Constant:	0.0007854				
Sensor Factor 1:	1.57660	1.57			

			Before Calibration		**After Calibration**	
Input (m/s nominal)	**Input %**	**Calc. O/P**	**Output**	**%Error**	**Output**	**%Error**
0.00	0.00%	0.000	0.00	0.00%	0.00	0.00%
0.10	2.58%	0.077	0.08	3.90%	0.08	3.90%
0.20	5.16%	0.155	0.15	-3.23%	0.15	-3.23%
0.50	12.90%	0.387	0.39	0.78%	0.39	0.78%
1.00	25.80%	0.774	0.77	-0.52%	0.77	-0.52%
2.00	51.59%	1.548	1.54	-0.52%	1.54	-0.52%

Calibration Equipment			
Type:	DMM	Simulator	
Manufacturer:	Fluke	ABB	
Model:	Model 87	MagMaster	
Serial No.:	13440128	3K220000120586	
Last Cal. Date:	Feb. 11, 2025	May 9, 2025	

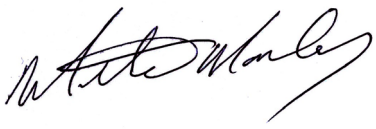
Comments:

Snsr Fact 1> 1.57159
Snsr Fact 3> 5
Snsr Fact 4> 1.00000

Plug Loose

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

CERTIFIED BY:



CALIBRATION REPORT

Report No.: OCWA K 2025 FIT-Well 3

Date: 17-Jun-25

SITE:	KING'S BAY WTP	**SERVICE DATE:**	June 17, 2025
PROCESS AREA:	RAW WATER FLOW	**TECHNICIAN:**	Mitch Manley
INSTR. TAG:	FIT-Well 3	**JOB REFERENCE:**	OCWA K 2025
MANUFACTURER:	ABB		
MODEL:	Mag Master		
SERIAL No.:	V/36023/5/3		
OCWA No.:	0000114622		

Input	**(Test)**	**Output**	**(Signal)**	**(Process)**
Type:	ABB Simulator	**Type or EGU:**	E&H	Liter/Sec
Min:	0.00	**Min:**	0.00	0.00
Max:	3.7936	**Max:**	3.00	3.00
DN (mm):	25			
Velocity Range:	6.111536		6.6	
Constant:	0.0007854			
Sensor Factor 1:	1.611			

			Before Calibration		**After Calibration**	
Input (m/s nominal)	**Input %**	**Calc. O/P**	**Output**	**%Error**	**Output**	**%Error**
0.00	0.00%	0.000	0.00	0.00%	0.00	0.00%
0.10	2.64%	0.079	0.08	1.16%	0.08	1.16%
0.20	5.27%	0.158	0.16	1.16%	0.16	1.16%
0.50	13.18%	0.395	0.40	1.16%	0.40	1.16%
1.00	26.36%	0.791	0.79	-0.10%	0.79	-0.10%
2.00	52.72%	1.582	1.59	0.53%	1.59	0.53%

Calibration Equipment

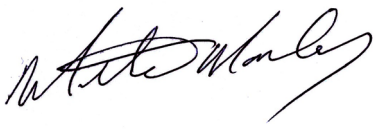
Type:	DMM	Simulator	
Manufacturer:	Fluke	ABB	
Model:	Model 87	MagMaster	
Serial No.:	13440128	3K220000120586	
Last Cal. Date:	Feb. 11, 2025	May 9, 2025	

Comments:

Snsr Fact 1> 1.61100
Snsr Fact 2>-3
Snsr Fact 4> 1.00000

Unit doesn't power up correctly, it reboots a few times, it takes a few minutes. Recommend replace.

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

CERTIFIED BY: 

CALIBRATION REPORT

Report No.: OCWA K 2025 QIR-1

Date: 17-Jun-25

SITE:	Kings Bay WTP
PROCESS AREA:	E&H Videographic chart recorder
INSTR. TAG:	QIR-1
MANUFACTURER:	E&H
MODEL:	RSG40 (Well Head / Main Plant)
SERIAL No.:	F6005E04267 / J8008C04267
OCWA CODE:	0000204963 / '0000277524

SERVICE DATE:	June 17, 2025
TECHNICIAN:	Mitch Manley
JOB REFERENCE:	OCWA K 2025

Input	**(Test)**		**Output**	**(Signal)**	**(Process)**
Type:	mA		**Type or EGU:**	mA	
Min:	4.00		**Min:**	4.00	
Max:	20.00		**Max:**	20.00	

			Before Calibration		**After Calibration**	
			Display		**Display**	
Cl2 Finished	mg/l	0.00				
	0-5	1.57	1.57		1.57	
Turb Finished	NTU	0.00	0.00		0.00	
	0-2	2.000	2.01		2.01	
Raw Flow	l/s	0.00	0.00		0.00	
	0-8	8.00	8.00		8.00	
Treated Flow	l/s	0.00	0.00		0.00	
	0-10	20mA	****		****	
WWTP Pump 1	mA	Tested	OK		OK	
WWTP Pump 2	mA	Tested	OK		OK	
WWTP Pump 3	mA	Tested	OK		OK	
WWTP Pump 4	mA	Tested	OK		OK	

Calibration Equipment			
Type:	DMM	Simulator	
Manufacturer:	Fluke	ABB	
Model:	Model 87	MagMaster	
Serial No.:	13440128	3K220000120586	
Last Cal. Date:	Feb. 11, 2025	May 9, 2025	

Comments: **** mA works from flowmeter, but maxed out at 7.6, suspect something faulty in the current loop.

CALIBRATION REPORT

Report No.:	OCWA K 2025 CW 1 Level
Date:	17-Jun-25

SITE:	Kings Bay WTP	**SERVICE DATE:**	June 17, 2025
PROCESS AREA:	Clearwell 1 Water Level		
INSTR. TAG:	CW 1 Level	**TECHNICIAN:**	Mitch Manley
MANUFACTURER:	Milltronics		
MODEL:	Hydroranger Plus	**JOB REFERENCE:**	OCWA K 2025
SERIAL No.:			
OCWA. #:	0000114565		

Input	(Test)	(Error)	Output	(Signal)	(Process)
Cell 2	Instrument	Calculated	**Type or EGU:**	mA	meters
2.71	2.700	-0.24%	**Min:**	4.00	0.00
			Max:	20.00	4.10

Main Parameters	
P001	level
P002	liquid
P003	slow
P004	XPS 10
P005	meters
P006	Empty 5.35m
P007	span 4.10m
Confidence	0:11
Full Parameter list available if required	

No echo profile available for this unit.

Calibration Equipment			
Type:	DMM	Laser	Tape Measure
Manufacturer:	Fluke	Hilti	Stanley
Model:	Model 87	PD30	5m/25ft
Serial No.:	13440128		
Last Cal. Date:	Feb. 11, 2025		

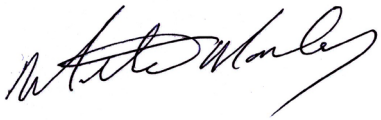
Comments: Clearwells were equalized, Cells matched Cell 1 2.70 Cell 2 2.71

Adjusted Transducer position Confidence increased to 0:15

Clearwell measures deaper than the transmitters are reading.

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

CERTIFIED BY:



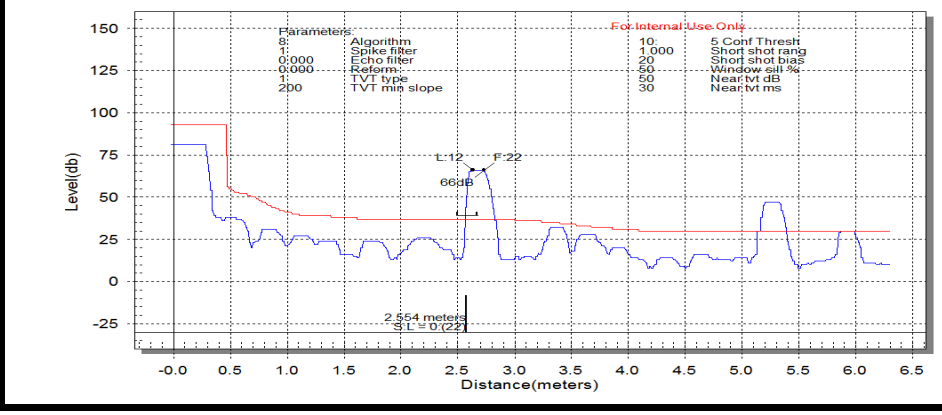
CALIBRATION REPORT

Report No.:	OCWA K 2025	CW 2 Level LIT 402	
Date:	17-Jun-25		

SITE:	Kings Bay WTP	**SERVICE DATE:**	June 17, 2025
PROCESS AREA:	Clearwell 2 Water Level	**TECHNICIAN:**	Mitch Manley
INSTR. TAG:	CW 2 Level LIT 402	**JOB REFERENCE:**	OCWA K 2025
MANUFACTURER:	Milltronics		
MODEL:	MR200 HMI		
SERIAL No.:	PBD-S1110007		
OCWA. #:	0000346119		

Input	(Test)	(Error)	Output	(Signal)	(Process)
Distance:	Instrument	Calculated	**Type or EGU:**	mA	meters
2.98	2.710	-6.59%	**Min:**	4.00	0.00
			Max:	20.00	4.10

Main Parameters	
P001	level
P002	liquid
P003	Medium
P004	XPS 5
P005	meters
P006	Empty 5.27m
P007	span 4.10m
Confidence	
Full Parameter list available if required	



Calibration Equipment			
Type:	DMM	Laser	Tape Measure
Manufacturer:	Fluke	Hilti	Stanley
Model:	Model 87	PD30	5m/25ft
Serial No.:	13440128		
Last Cal. Date:	Feb. 11, 2025		

Comments: Clearwells were equalized, Cells matched Cell 1 2.70 Cell 2 2.71
Measured 2.98

Clearwell measures deaper than transmitters are reading.

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

CERTIFIED BY:

VeriMaster - Flow Meter Verification Report

Customer Information	
Customer	OCWA
Verification Download	Tue, Jun 17, 2025

Meter Information	
Meter Owner	Kings Bay WTP
Meter Type	WaterMaster
Sensor Size	DN40
Pipe Status	Fluid Present
Sensor Type	Fullbore
Sensor Serial No	3K620000228958
Transmitter Serial No	3K620000228958
Tag	
Location	RAW

Overall Status: Pass

The flowmeter has passed its internal continuous verification and automatic self calibration. It is working within +/ -1% of its original factory calibration

Summary of Results	
Coil Group	Passed
Electrode Group	Passed
Sensor Group	Passed
Transmitter Signal	Passed
Transmitter Driver	Passed
Output Group	Passed
Configuration	Passed

Verification History	
OIML Accuracy Alarms	0

Totaliser Information	
Forward	118612.00 m3
Reverse	0.00 m3
Net	118612.00 m3

Sensor Information	
Q3	11.11 l/s
Calibration Accuracy	Retrofit
Sensor Calibration Factors	67.3%; 6.90 mm/s; 26
Date of Manufacture	29 Apr 2017
Run Hours	1408days 14hrs 464mins

Sensor Data	
Coil Current	179.9 mA
Coil Inductance	134.6 mH
Coil Inductance Shift	0.0%
Coil / Loop Resistance	26.0 ohm

Transmitter Information	
Application Version	V01.07.00 03/02/17
MSP Version	→▼| |
Date of Manufacture	29 Apr 2017
Run Hours	2819days 19hrs 27904mins

Transmitter Data	
Tx Gain - Adjustment	0.0%

VeriMaster Information	
Version	01.00.03
Limit Version	01.00.01

Current Output	
4mA Value	Pass : 4.000 mA ; 0.00%
12mA Value	Pass : 11.984 mA ; 0.13%
20mA Value	Pass : 20.000 mA ; 0.00%

Pulse Output	
Output 1: 1200.0Hz	Not tested
Output 1: 600.0Hz	Not tested
Output 2: 1200.0Hz	Not tested
Output 2: 600.0Hz	Not tested

Installation Comments / Equipment used:

Raw Flow

Configuration Settings	
Mains Frequency	60 Hz
Qmax	8.00 l/s
Pulses/Unit	120.000000
Pulses Limit Frequency	1200.0 Hz
Sensor User Span/Zero	100.0%; 0.00 mm/s
User Flow Cutoff/Hysterisis	3.00%; 20%
Meter Mode	Forward Flow

Date Tue, Jun 17, 2025 Operator Signature Print

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SIEMENS MAGFLO® Verification Certificate

Customer:

Name	OCWA Kawartha
Address	Kings Bay WTP
Phone	
Email	

MAGFLO® Identification:

TAG No./Name	0
Sensor Code No.	7ME658
Sensor Serial No.	527103U305
Converter Code No.	7ME69101AA101AA0
Converter Serial No.	IXF72111785
Location	Treated Flow

Results:

Verification file name or No.		Treated Flow
Converter		Passed
Sensor	Insulation	Passed
	Magnetic Circuit	Passed

Velocity	**Current Output**			**Frequency Output**		
Theoretical	Theoretical	Actual	Deviation	Theoretical	Actual	Deviation
0.5m/s	4.800mA	4.802mA	0.29%	0.500kHz	0.501kHz	0.15%
1.0m/s	5.600mA	5.600mA	0.00%	1.000kHz	1.000kHz	-0.02%
3.0m/s	8.800mA	8.797mA	-0.07%	3.000kHz	3.000kHz	-0.01%

Current Output 4-20mA Frequency Output 0-10kHz

Converter Settings:

Basic

Qmax.	10.0 l/s
Flow Direction	Positive
Low flow Cut-off	1.50%
Empty Pipe	OFF

Output

Current Output	ON (4-20mA)
Time Constant	5.0 Sec.
Relay Output	Error Level
Digital Output	Pulse
Frequency Range	N/A
Time Constant	N/A
Volume/pulse	0.99999953 US G/p
Pulse width	0.066 sec.
Pulse polarity	Positiv

Totalizer 1 value before test	174041.5 m³
Totalizer 1 value after test	174041.515625 m³
Totalizer 2 value before test	8.76602936 m³
Totalizer 2 value after test	8.76769352 m³

Sensor Details:

Size	DN 40 1 1/2 IN
Cal. Factor	1.1038487
Correction Factor	1.0
Excitation Freq.	15.0Hz

Verificator Details (083F5060)

Serial No.	000811N218
Device No.	91739
Software Version	1.40
PC-Software Version	4.02
Cal. date	2024.10.09
ReCal. date	2025.10.09

Comments

These tests verify that the flowmeter is functioning within 2% deviation of the original test parameters.

Verification is traceable to National and International Standards.

Date and signature

2025.06.17 M Manley

SIEMENS MAGFLO® Verification Certificate

Customer:

Name	OCWA Kawartha
Address	Kings Bay WWTP
Phone	
Email	

MAGFLO® Identification:

TAG No./Name	0
Sensor Code No.	7ME658
Sensor Serial No.	041101U493
Converter Code No.	7ME691
Converter Serial No.	229730U463
Location	RBC #1

Results:

Verification file name or No.		RBC #1
Converter		Passed
Sensor	Insulation	Passed
	Magnetic Circuit	Passed

Velocity	Current Output			Frequency Output		
Theoretical	Theoretical	Actual	Deviation	Theoretical	Actual	Deviation
0.5m/s	4.800mA	4.796mA	-0.44%	0.500kHz	0.497kHz	-0.53%
1.0m/s	5.600mA	5.600mA	-0.02%	1.000kHz	1.000kHz	-0.02%
3.0m/s	8.800mA	8.800mA	0.00%	3.000kHz	3.002kHz	0.07%

Current Output 4-20mA Frequency Output 0-10kHz

Converter Settings:

Basic

Qmax.	10.0 l/s
Flow Direction	Positive
Low flow Cut-off	1.50%
Empty Pipe	ON

Output

Current Output	ON (4-20mA)
Time Constant	5.0 Sec.
Relay Output	Error Level
Digital Output	Pulse
Frequency Range	N/A
Time Constant	N/A
Volume/pulse	0.99999953 US G/p
Pulse width	0.066 sec.
Pulse polarity	Positiv

Totalizer 1 value before test	104411.6328125 m³
Totalizer 1 value after test	104411.6484375 m³
Totalizer 2 value before test	1042.81982422 m³
Totalizer 2 value after test	1042.81982422 m³

Sensor Details:

Size	DN 80 3 IN
Cal. Factor	5.12170267
Correction Factor	1.0
Excitation Freq.	7.5Hz

Verificator Details (083F5060)

Serial No.	000811N218
Device No.	91739
Software Version	1.40
PC-Software Version	4.02
Cal. date	2024.10.09
ReCal. date	2025.10.09

Comments

These tests verify that the flowmeter is functioning within 2% deviation of the original test parameters.

Verification is traceable to National and International Standards.

Date and signature

2025.06.17 M Manley

SIEMENS MAGFLO® Verification Certificate

Customer:

Name	OCWA Kawartha
Address	Kings Bay WWTP
Phone	
Email	

MAGFLO® Identification:

TAG No./Name	0
Sensor Code No.	7ME658
Sensor Serial No.	041001U493
Converter Code No.	7ME691
Converter Serial No.	231030U463
Location	RBC #2

Results:

Verification file name or No.		RBC #2
Converter		Passed
Sensor	Insulation	Passed
	Magnetic Circuit	Passed

Velocity	Current Output			Frequency Output		
Theoretical	Theoretical	Actual	Deviation	Theoretical	Actual	Deviation
0.5m/s	4.800mA	4.806mA	0.80%	0.500kHz	0.501kHz	0.10%
1.0m/s	5.600mA	5.604mA	0.22%	1.000kHz	0.999kHz	-0.14%
3.0m/s	8.800mA	8.807mA	0.14%	3.000kHz	3.001kHz	0.04%

Current Output 4-20mA Frequency Output 0-10kHz

Converter Settings:

Basic

Qmax.	10.0 l/s
Flow Direction	Positive
Low flow Cut-off	9.50%
Empty Pipe	ON

Output

Current Output	ON (4-20mA)
Time Constant	5.0 Sec.
Relay Output	Error Level
Digital Output	Pulse
Frequency Range	N/A
Time Constant	N/A
Volume/pulse	0.99999953 US G/p
Pulse width	0.066 sec.
Pulse polarity	Positiv

Totalizer 1 value before test	102734.546875 m³
Totalizer 1 value after test	102734.5625 m³
Totalizer 2 value before test	2913.20117188 m³
Totalizer 2 value after test	2913.20166016 m³

Sensor Details:

Size	DN 80 3 IN
Cal. Factor	4.97646475
Correction Factor	1.0
Excitation Freq.	7.5Hz

Verificator Details (083F5060)

Serial No.	000811N218
Device No.	91739
Software Version	1.40
PC-Software Version	4.02
Cal. date	2024.10.09
ReCal. date	2025.10.09

Comments

These tests verify that the flowmeter is functioning within 2% deviation of the original test parameters.

Verification is traceable to National and International Standards.

Date and signature

2025.06.17 M Manley

VeriMaster - Flow Meter Verification Report

Customer Information	
Customer	OCWA
Verification Download	Tue, Jun 17, 2025

Meter Information	
Meter Owner	Kings Bay WW
Meter Type	WaterMaster
Sensor Size	DN100
Pipe Status	Fluid Present
Sensor Type	Fullbore
Sensor Serial No	3K620000164062
Transmitter Serial No	3K620000168464
Tag	ABB Warminster
Location	?

Overall Status: Pass

The flowmeter has passed its internal continuous verification and automatic self calibration. It is working within +/ -1% of its original factory calibration

Summary of Results	
Coil Group	Passed
Electrode Group	Passed
Sensor Group	Passed
Transmitter Signal	Passed
Transmitter Driver	Passed
Output Group	Passed
Configuration	Passed

Verification History	
OIML Accuracy Alarms	0

Totaliser Information	
Forward	40801.61 m3
Reverse	1317.24 m3
Net	39484.38 m3

Sensor Information	
Q3	69.44 l/s
Calibration Accuracy	OIML Class 2
Sensor Calibration Factors	88.1%; 0.00 mm/s; 26
Date of Manufacture	20 May 2014
Run Hours	3828days 15hrs 55mins

Sensor Data	
Coil Current	179.9 mA
Coil Inductance	205.1 mH
Coil Inductance Shift	-0.1%
Coil / Loop Resistance	39.1 ohm

Transmitter Information	
Application Version	V01.05.00 12/07/12
MSP Version	00.00.04
Date of Manufacture	20 May 2014
Run Hours	5092days 16hrs 10mins

Transmitter Data	
Tx Gain - Adjustment	0.3%

VeriMaster Information	
Version	01.00.03
Limit Version	01.00.01

Current Output	
4mA Value	Pass : 4.000 mA ; 0.00%
12mA Value	Pass : 11.972 mA ; 0.23%
20mA Value	Pass : 19.972 mA ; 0.14%

Pulse Output	
Output 1: 1200.0Hz	Not tested
Output 1: 600.0Hz	Not tested
Output 2: 1200.0Hz	Not tested
Output 2: 600.0Hz	Not tested

Installation Comments / Equipment used:

P1 Pass

Configuration Settings	
Mains Frequency	60 Hz
Qmax	10.00 l/s
Pulses/Unit	120.000000
Pulses Limit Frequency	1200.0 Hz
Sensor User Span/Zero	100.0%; 0.00 mm/s
User Flow Cutoff/Hysterisis	3.00%; 20%
Meter Mode	Normal operation

Date Tue, Jun 17, 2025 Operator Signature Print

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Fax: +1 (215) 674 6394

VeriMaster - Flow Meter Verification Report

Customer Information	
Customer	OCWA
Verification Download	Tue, Jun 17, 2025

Meter Information	
Meter Owner	Kings Bay P2
Meter Type	Sensor Size
Sensor Size	DN100
Pipe Status	Fluid Present
Sensor Type	Fullbore
Sensor Serial No	3K620000168465
Transmitter Serial No	3K620000168466
Tag	?
Location	?

Overall Status: Pass

The flowmeter has passed its internal continuous verification and automatic self calibration. It is working within +/ -1% of its original factory calibration

Summary of Results	
Coil Group	Passed
Electrode Group	Passed
Sensor Group	Passed
Transmitter Signal	Passed
Transmitter Driver	Passed
Output Group	Passed
Configuration	Passed

Verification History	
OIML Accuracy Alarms	0

Totaliser Information	
Forward	46385.45 m3
Reverse	1584.66 m3
Net	44800.79 m3

Sensor Information	
Q3	69.44 l/s
Calibration Accuracy	OIML Class 2
Sensor Calibration Factors	87.0%; 0.00 mm/s; 11
Date of Manufacture	17 May 2014
Run Hours	3828days 14hrs 55mins

Sensor Data	
Coil Current	179.9 mA
Coil Inductance	218.5 mH
Coil Inductance Shift	-0.4%
Coil / Loop Resistance	38.3 ohm

Transmitter Information	
Application Version	V01.05.00 12/07/12
MSP Version	00.00.04
Date of Manufacture	17 May 2014
Run Hours	5443days 13hrs 29mins

Transmitter Data	
Tx Gain - Adjustment	0.3%

VeriMaster Information	
Version	01.00.03
Limit Version	01.00.01

Current Output	
4mA Value	Pass : 4.000 mA ; 0.00%
12mA Value	Pass : 11.980 mA ; 0.17%
20mA Value	Pass : 20.004 mA ; -0.02%

Pulse Output	
Output 1: 1200.0Hz	Not tested
Output 1: 600.0Hz	Not tested
Output 2: 1200.0Hz	Not tested
Output 2: 600.0Hz	Not tested

Installation Comments / Equipment used:

Configuration Settings	
Mains Frequency	60 Hz
Qmax	10.00 l/s
Pulses/Unit	120.000000
Pulses Limit Frequency	1200.0 Hz
Sensor User Span/Zero	100.0%; 0.00 mm/s
User Flow Cutoff/Hysterisis	3.00%; 20%
Meter Mode	Normal operation

Date Tue, Jun 17, 2025 Operator Signature Print

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VeriMaster - Flow Meter Verification Report

Customer Information	
Customer	OCWA
Verification Download	Tue, Jun 17, 2025

Meter Information	
Meter Owner	Kings Bay WW
Meter Type	WaterMaster
Sensor Size	DN100
Pipe Status	Fluid Present
Sensor Type	Fullbore
Sensor Serial No	3K620000168466
Transmitter Serial No	3K620000164062
Tag	ABB Warminster
Location	?

Overall Status: Pass

The flowmeter has passed its internal continuous verification and automatic self calibration. It is working within +/ -1% of its original factory calibration

Summary of Results	
Coil Group	Passed
Electrode Group	Passed
Sensor Group	Passed
Transmitter Signal	Passed
Transmitter Driver	Passed
Output Group	Passed
Configuration	Passed

Verification History	
OIML Accuracy Alarms	0

Totaliser Information	
Forward	46651.29 m3
Reverse	73.93 m3
Net	46577.36 m3

Sensor Information	
Q3	69.44 l/s
Calibration Accuracy	OIML Class 2
Sensor Calibration Factors	85.4%; 0.00 mm/s; 11
Date of Manufacture	11 Apr 2014
Run Hours	3828days 15hrs 0mins

Sensor Data	
Coil Current	179.9 mA
Coil Inductance	219.5 mH
Coil Inductance Shift	0.8%
Coil / Loop Resistance	38.8 ohm

Transmitter Information	
Application Version	V01.05.00 12/07/12
MSP Version	00.00.04
Date of Manufacture	11 Apr 2014
Run Hours	5045days 8hrs 39mins

Transmitter Data	
Tx Gain - Adjustment	0.4%

VeriMaster Information	
Version	01.00.03
Limit Version	01.00.01

Current Output	
4mA Value	Pass : 4.000 mA ; 0.00%
12mA Value	Pass : 11.980 mA ; 0.17%
20mA Value	Pass : 20.000 mA ; 0.00%

Pulse Output	
Output 1: 1200.0Hz	Not tested
Output 1: 600.0Hz	Not tested
Output 2: 1200.0Hz	Not tested
Output 2: 600.0Hz	Not tested

Installation Comments / Equipment used:

P3 Pass

Configuration Settings	
Mains Frequency	60 Hz
Qmax	10.00 l/s
Pulses/Unit	120.000000
Pulses Limit Frequency	1200.0 Hz
Sensor User Span/Zero	100.0%; 0.00 mm/s
User Flow Cutoff/Hysterisis	3.00%; 20%
Meter Mode	Normal operation

Date Tue, Jun 17, 2025 Operator Signature Print

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VeriMaster - Flow Meter Verification Report

Customer Information	
Customer	OCWA
Verification Download	Tue, Jun 17, 2025

Meter Information	
Meter Owner	Kings Bay WW
Meter Type	WaterMaster
Sensor Size	DN100
Pipe Status	Fluid Present
Sensor Type	Fullbore
Sensor Serial No	3K620000168464
Transmitter Serial No	3K620000168465
Tag	ABB Warminster
Location	?

Overall Status: Pass

The flowmeter has passed its internal continuous verification and automatic self calibration. It is working within +/ -1% of its original factory calibration

Summary of Results	
Coil Group	Passed
Electrode Group	Passed
Sensor Group	Passed
Transmitter Signal	Passed
Transmitter Driver	Passed
Output Group	Passed
Configuration	Passed

Verification History	
OIML Accuracy Alarms	0

Totaliser Information	
Forward	31331.64 m3
Reverse	742.05 m3
Net	30589.59 m3

Sensor Information	
Q3	69.44 l/s
Calibration Accuracy	OIML Class 2
Sensor Calibration Factors	86.0%; -3.00 mm/s; 11
Date of Manufacture	16 May 2014
Run Hours	3828days 12hrs 55mins

Sensor Data	
Coil Current	179.9 mA
Coil Inductance	218.5 mH
Coil Inductance Shift	-0.1%
Coil / Loop Resistance	38.5 ohm

Transmitter Information	
Application Version	V01.05.00 12/07/12
MSP Version	00.00.04
Date of Manufacture	16 May 2014
Run Hours	5323days 20hrs 11mins

Transmitter Data	
Tx Gain - Adjustment	0.0%

VeriMaster Information	
Version	01.00.03
Limit Version	01.00.01

Current Output	
4mA Value	Pass : 4.000 mA ; 0.00%
12mA Value	Pass : 11.980 mA ; 0.17%
20mA Value	Pass : 19.988 mA ; 0.06%

Pulse Output	
Output 1: 100.0Hz	Not tested
Output 1: 50.0Hz	Not tested
Output 2: 250Hz	Not available for testing
Output 2: 125Hz	Not available for testing

Installation Comments / Equipment used:

P4 Pass

Configuration Settings	
Mains Frequency	60 Hz
Qmax	10.00 l/s
Pulses/Unit	120.000000
Pulses Limit Frequency	100.0 Hz
Sensor User Span/Zero	100.0%; 0.00 mm/s
User Flow Cutoff/Hysterisis	1.00%; 20%
Meter Mode	Normal operation

Date Tue, Jun 17, 2025 Operator Signature Print

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Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Appendix VII:

Coagulant Used

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

													2025			
Chem	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025	Total	Avg	Max	Min
Coagulant Used RBC1 - kg																
IH Edited Count	31.00	28.00	31.00	30.00	31.00	30.00	31.00	31.00	30.00	31.00	30.00	31.00	365.00			
IH Month.Max	4.09	6.50	4.55	6.89	4.11	3.90	4.11	6.10	4.03	4.55	4.58	4.43			6.89	
IH Month.Mean	3.71	3.88	3.73	4.17	3.76	3.70	3.78	5.74	3.74	3.74	3.75	3.76		3.96		
IH Month.Min	2.03	3.25	3.25	3.65	3.25	3.40	3.25	5.30	3.25	3.08	3.08	3.05				2.03
IH Month.Total	115.14	108.60	115.77	125.15	116.55	110.86	117.05	177.99	112.19	116.03	112.36	116.59	1444.28			
Coagulant Used RBC2 - kg																
IH Edited Count	31.00	28.00	31.00	30.00	31.00	30.00	31.00	31.00	30.00	31.00	30.00	31.00	365.00			
IH Month.Max	4.23	4.55	4.55	6.89	4.55	3.90	4.11	3.98	4.14	4.55	4.69	4.43			6.89	
IH Month.Mean	3.70	3.60	3.75	4.17	3.78	3.71	3.78	3.70	3.73	3.75	3.74	3.74		3.76		
IH Month.Min	3.08	0.00	3.25	3.65	3.40	3.46	3.25	3.40	3.23	3.12	3.03	3.15				0.00
IH Month.Total	114.79	100.86	116.40	125.15	117.17	111.40	117.05	114.79	111.94	116.13	112.21	115.93	1373.82			

Ontario Clean Water Agency
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Appendix VIII:

Biosolids Summary

Customized Monthly Report

From 01/01/2025 to 12/31/2025

Facility Name: KING'S BAY WASTEWATER TREATMENT FACILITY

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

														2025
Bslq	Jan 2025	Feb 2025	Mar 2025	Apr 2025	May 2025	Jun 2025	Jul 2025	Aug 2025	Sep 2025	Oct 2025	Nov 2025	Dec 2025		Total
Hauled Vol. - m³														
IH Month.Total	31.20	29.53	0.00	30.00	0.00	0.00	30.00	0.00	0.00	0.00	65.10	0.00		185.83

Ontario Clean Water Agency
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Appendix IX:

Bypass/Overflow

Quarterly Reports

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Kawartha Trent Regional Hub Tel: 705-738-9734
P.O. Box 279, Fax: 705-738-9737
Bobcaygeon, ON K0M 1A0 www.ocwa.com

May 15, 2025

Brad Jackson
Water Compliance Supervisor (A)
Peterborough District Office
Ministry of the Environment, Conservation and Parks
300 Water Street, 2nd Floor, South Tower
Peterborough, ON
K9J 8M5

Dear Mr. Jackson:

Re: King's Bay WPCP 2025 Q1 Bypass and Plant Overflow Event Report

Amended Environmental Compliance Approval #7037-A77JLP Section 5(3) issued February 16, 2016, for the King's Bay Environmental Centre requires a quarterly report be submitted to the Ministry's local office, no later than February 14, May 15, August 14, and November 15 each year. This report must contain the following information on any Bypass or Plant Overflow Events that occurred during the preceding quarter:

(a) the date of the Event(s);
(b) the measured or estimated volume of the Event(s);
(c) the duration of the Event(s);
(d) the location of the Event(s);
(e) the reason for the Event(s); and
(f) the level of treatment the Bypass(es) and/or Plant Overflow(s) received and disinfection status of same.

There were no incidents of a bypass or plant overflow at the King's Bay Environmental Centre during the first quarter of 2025 (January, February, and March).

Please contact me if you have any questions or comments.

Best regards,

Cindy Coffin, A.Sc.T.
Process & Compliance Technician
Ontario Clean Water Agency
Kawartha Trent Regional Hub – South Cluster
(705) 731-7507

CC: Pat Lucas, OCWA – Senior Operations Manager (A)
Allison McCann, OCWA − SPC Manager
Lynette Nicholson, OCWA – General Manager
Karen Lorente, OCWA – Regional Hub Manager
Amber Hayter, City of Kawartha Lakes – Manager
Michelle Flaherty, City of Kawartha Lakes − Contract Coordinator
Courtney Redmond, MECP – Peterborough District Office – Manager (A)

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

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Bobcaygeon, ON K0M 1A0 www.ocwa.com

July 18, 2025

Rebecca Troan
Water Compliance Supervisor (A)
Peterborough District Office
Ministry of the Environment, Conservation and Parks
300 Water Street, 2nd Floor, South Tower
Peterborough, ON
K9J 8M5

Dear Ms. Troan:

Re: King's Bay WPCP 2025 Q2 Bypass and Plant Overflow Event Report

Amended Environmental Compliance Approval #7037-A77JLP Section 5(3) issued February 16, 2016, for the King's Bay Environmental Centre requires a quarterly report be submitted to the Ministry's local office, no later than February 14, May 15, August 14, and November 15 each year. This report must contain the following information on any Bypass or Plant Overflow Events that occurred during the preceding quarter:

(a) the date of the Event(s);
(b) the measured or estimated volume of the Event(s);
(c) the duration of the Event(s);
(d) the location of the Event(s);
(e) the reason for the Event(s); and
(f) the level of treatment the Bypass(es) and/or Plant Overflow(s) received and disinfection status of same.

There were no incidents of a bypass or plant overflow at the King's Bay Environmental Centre during the second quarter of 2025 (April, May, and June).

Please contact me if you have any questions or comments.

Best regards,

Cindy Coffin, A.Sc.T.
Process & Compliance Technician
Ontario Clean Water Agency
Kawartha Trent Regional Hub – South Cluster
(705) 731-7507

CC: Pat Lucas, OCWA – Senior Operations Manager (A)
Allison McCann, OCWA − SPC Manager
Lynette Nicholson, OCWA – General Manager
Karen Lorente, OCWA – Regional Hub Manager
Amber Hayter, City of Kawartha Lakes – Manager
Michelle Flaherty, City of Kawartha Lakes − Contract Coordinator
David Bradley, MECP – Peterborough District Office – Manager

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

Kawartha Trent Regional Hub Tel: 705-738-9734
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Bobcaygeon, ON K0M 1A0 www.ocwa.com

November 14, 2025

Brittney Wielgos
Water Compliance Supervisor
Peterborough District Office
Ministry of the Environment, Conservation and Parks
300 Water Street, 2nd Floor, South Tower
Peterborough, ON
K9J 8M5

Dear Ms. Wielgos:

Re: King's Bay WPCP 2025 Q3 Bypass and Plant Overflow Event Report

Amended Environmental Compliance Approval #7037-A77JLP Section 5(3) issued February 16, 2016, for the King's Bay Environmental Centre requires a quarterly report be submitted to the Ministry's local office, no later than February 14, May 15, August 14, and November 15 each year. This report must contain the following information on any Bypass or Plant Overflow Events that occurred during the preceding quarter:

(a) the date of the Event(s);
(b) the measured or estimated volume of the Event(s);
(c) the duration of the Event(s);
(d) the location of the Event(s);
(e) the reason for the Event(s); and
(f) the level of treatment the Bypass(es) and/or Plant Overflow(s) received and disinfection status of same.

There were no incidents of a bypass or plant overflow at the King's Bay Environmental Centre during the third quarter of 2025 (July, August, and September).

Please contact me if you have any questions or comments.

Best regards,

Cindy Coffin, A.Sc.T.
Process & Compliance Technician
Ontario Clean Water Agency
Kawartha Trent Regional Hub – South Cluster
(705) 731-7507

CC: Katie Campbell, OCWA – Senior Operations Manager (A)
Allison McCann, OCWA − SPC Manager
Lynette Nicholson, OCWA – General Manager
Karen Lorente, OCWA – Regional Hub Manager
Amber Hayter, City of Kawartha Lakes – Manager
Michelle Flaherty, City of Kawartha Lakes − Contract Coordinator
David Bradley, MECP – Peterborough District Office – Manager

Ontario Clean Water Agency
Agence Ontarienne Des Eaux

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Bobcaygeon, ON K0M 1A0 www.ocwa.com

February 13, 2026

Brittney Wielgos
Water Compliance Supervisor
Peterborough District Office
Ministry of the Environment, Conservation and Parks
300 Water Street, 2nd Floor, South Tower
Peterborough, ON
K9J 8M5

Dear Ms. Wielgos:

Re: King's Bay WPCP 2025 Q4 Bypass and Plant Overflow Event Report

Amended Environmental Compliance Approval #7037-A77JLP Section 5(3) issued February 16, 2016, for the King's Bay Environmental Centre requires a quarterly report be submitted to the Ministry's local office, no later than February 14, May 15, August 14, and November 15 each year. This report must contain the following information on any Bypass or Plant Overflow Events that occurred during the preceding quarter:

(a) the date of the Event(s);
(b) the measured or estimated volume of the Event(s);
(c) the duration of the Event(s);
(d) the location of the Event(s);
(e) the reason for the Event(s); and
(f) the level of treatment the Bypass(es) and/or Plant Overflow(s) received and disinfection status of same.

There were no incidents of a bypass or plant overflow at the King's Bay Environmental Centre during the fourth quarter of 2025 (October, November, and December).

Please contact me if you have any questions or comments.

Best regards,

Cindy Coffin, A.Sc.T.
Process & Compliance Technician
Ontario Clean Water Agency
Kawartha Trent Regional Hub – South Cluster
(705) 731-7507

CC: Katie Campbell, OCWA – Senior Operations Manager (A)
Allison McCann, OCWA − SPC Manager
Lynette Nicholson, OCWA – General Manager
Karen Lorente, OCWA – Regional Hub Manager
Amber Hayter, City of Kawartha Lakes – Manager
Michelle Flaherty, City of Kawartha Lakes − Contract Coordinator
Courtney Redmond, MECP – Peterborough District Office – Manager