

Hilton Beach Water Pollution Control Plant

Annual Operating Report

ECA 3-0571-93-006

Issued August 3, 1993

Amendment Issued October 16, 1998

January 1, 2022 – December 31, 2022

Prepared by the Ontario Clean Water Agency
For The Incorporated Village of Hilton Beach



Ontario Clean Water Agency
Agence Ontarienne Des Eaux



SECTION 1: INTRODUCTION

The Ontario Clean Water Agency (OCWA) acts as the operating authority for the Espanola wastewater treatment. This document is prepared by OCWA in accordance with Environmental Compliance Approval (ECA) #3-0571-93-006. The report is required to include the following information:

- (i) A summary of all monitory and compliance reports submitted in the reporting period, including an overview of the success and adequacy of the sewage treatment program;
- (ii) A comprehensive interpretation of all monitoring data and analytical data collected relative to the works during the reporting period and a comparison to the effluent quality and quantity criteria described in sections 11 and 12 ;
- (iii) A summary of any effluent quality assurance or control measures undertaken during the reporting period;
- (iv) A summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming part of the works;
- (v) A description of any operation problems encountered and corrective action taken during the reporting period;
- (vi) A summary of any proposed alterations, extensions or replacement in the process or operation of the Works to be completed over the next reporting period which may require approval under the Ontario Water Resources Act;
- (vii) A tabulation of the volume of sludge generated in the reporting period and an outline of anticipated volumes to be generated over the next reporting period;
- (viii) An outline of the sludge handling methods and disposal areas to be utilized over the next reporting period;
- (ix) An evaluation of the calibration and maintenance procedures conducted on all monitoring equipment
- (x) An evaluation for the need for modifications to the works to improve the performance and reliability and to minimize upsets and bypasses.

SECTION 2: Description of Facility

Capacity of Facility: 360 m³ / day (average flow)
Service Area: Village of Hilton Beach
Service Population: 145
Effluent Receiver: St. Joseph Channel
Major Process: Rotating Biological Contactor
Facility Classification: Wastewater Class 2
Collection Classification: Collection Class 2

SECTION 3: Executive Summary

The monthly average concentrations limit for Total Phosphorous **was exceeded** in January, March and June.

The monthly objective limit for TSS was **not met** for the month of June.



The total effluent discharge from the sewage treatment plant for the year was 30,660 m³.
 The total raw sewage flow into the sewage treatment plant for the year was calculated to be 30,660 m³.

SECTION 4: Process Data

The facility operator collects grab samples of raw sewage and sends them to an accredited laboratory for analysis. Raw flows are calculated using a weir type flow meter located on the effluent line.

Raw (Influent) Sampling					
Parameter	Frequency	Method	Results		
			Min	Avg	Max
BOD ₅ (mg/L)	Bi-Weekly	Grab – External Analysis (Lab)	21.5	62.3	162.5
TSS (mg/L)	Bi-Weekly	Grab – External Analysis (Lab)	21.5	55.7	140.5
TP (mg/L)	Bi-Weekly	Grab – External Analysis (Lab)	0.32	1.56	4.41
TKN (mg/L)	Bi-Weekly	Grab – External Analysis (Lab)	5.75	12.91	29.15
Alkalinity (mg/L as CaCO ₃)	Bi-Weekly	Grab – External Analysis (Lab)	177.5	197.2	227.5
Flow (m ³ /d)	Daily	Engineered Calculation – Weir Flow Meter	50	84.23	142

The facility operator collects grab samples on a by-weekly basis and sends them to an accredited laboratory for analysis.

Treated (Effluent) Sampling		
Parameter	Frequency	Method
BOD ₅	Bi-Weekly	Grab – External Analysis (Lab)
TSS	Bi-Weekly	Grab – External Analysis (Lab)
TAN	Bi-Weekly	Grab – External Analysis (Lab)
TKN	Bi-Weekly	Grab – External Analysis (Lab)
Nitrite	Bi-Weekly	Grab – External Analysis (Lab)
Nitrate	Bi-Weekly	Grab – External Analysis (Lab)
TP	Bi-Weekly	Grab – External Analysis (Lab)
pH	Bi-Weekly	Grab – External Analysis (Lab)
Alkalinity	Bi-Weekly	Grab – External Analysis (Lab)
Flow	Daily	Flow Meter

Compliance limits are based on monthly discharges for effluent concentrations and effluent loadings.

The raw and effluent parameters specified in the above and below tables are analyzed by SGS Lakefield Research, an accredited laboratory located in Lakefield, Ontario.

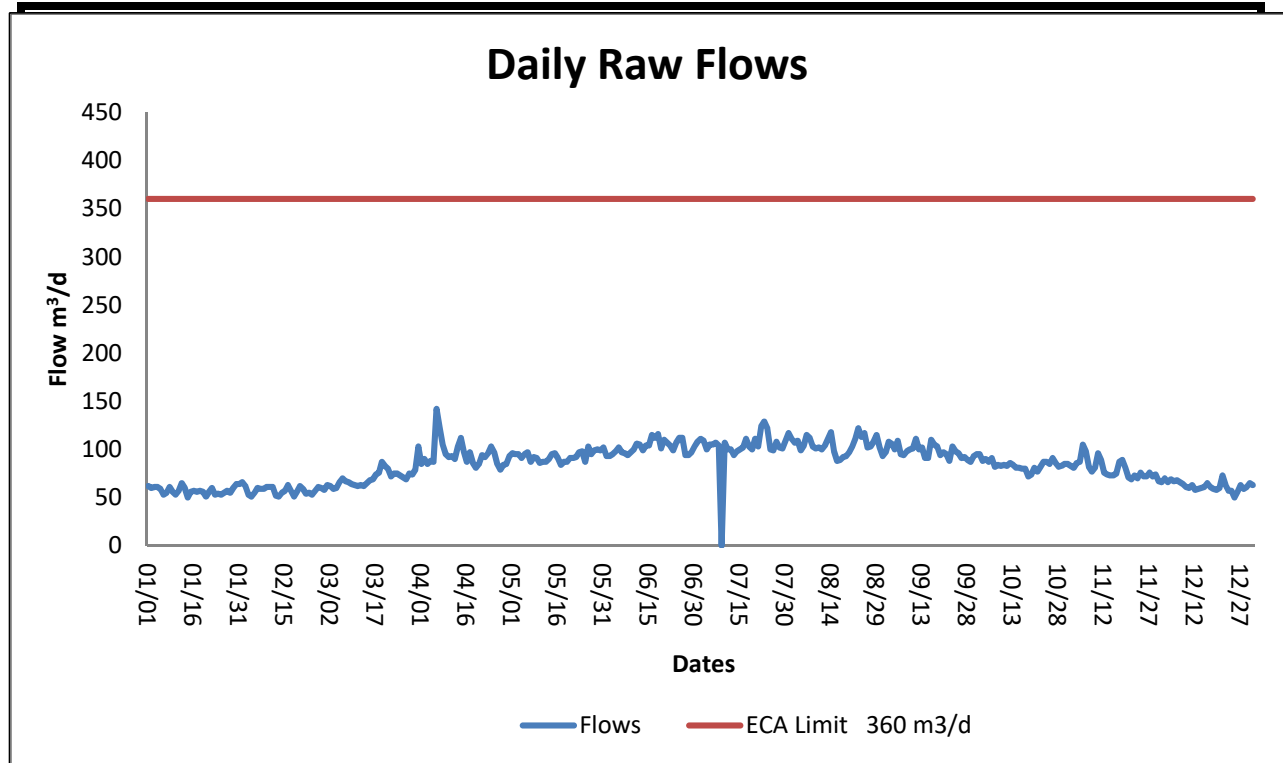


Treated (Effluent Discharge) Sampling						
Month	BOD ₅		Suspended Solids		Total Phosphorus	
	Avg. Eff	Avg. Load	Avg. Eff	Avg. Load	Avg. Eff	Avg. Load
	mg/L	kg/d	mg/L	kg/d	mg/L	kg/d
January	5.5	0.32	8	0.46	1.275	0.07
February	2	0.11	9.5	0.55	0.19	0.01
March	2	0.14	7.5	0.53	1.03	0.07
April	2	0.19	9.5	0.90	0.59	0.06
May	2.67	0.25	7.67	0.71	0.25	0.02
June	3.5	0.36	15.5	1.58	1.2	0.12
July	2	0.21	6	0.62	0.79	0.08
August	2	0.21	12	1.25	0.445	0.05
September	2	0.20	7	0.69	0.36	0.04
October	2	0.17	7.5	0.63	0.83	0.07
November	2.67	0.21	9.33	0.74	0.22	0.02
December	3	0.19	8	0.50	0.725	0.05
Annual Average	2.6	0.21	8.9	0.76	0.66	0.055
Max	5.5	0.36	15.5	1.58	1.275	0.12
ECA Limit	25 mg/L	9 kg/d	25 mg/L	9 kg/d	1.0 mg/L	0.36 kg/d
ECA Objective	15 mg/L	5.40 kg/d	15 mg/L	5.40 kg/d	1.0 mg/L	0.36 kg/d

Additional Effluent Monitoring Samples												
Month	TAN (mg/L)		TKN (mg/L)		Nitrite (mg/L)		Nitrate (mg/L)		pH		Alkalinity (mg/L as CaCO ₃)	
	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg	Max	Avg
January	0.1	0.1	0.5	0.5	0.03	0.03	15.2	15.15	7.67	7.64	65	62
February	0.1	0.1	0.8	0.65	0.04	0.04	29.8	22.45	7.76	7.63	56	47
March	0.1	0.1	1	0.8	0.03	0.03	14.1	12.75	7.56	7.55	77	69.5
April	0.2	0.15	1.4	0.95	0.03	0.03	9.94	9.85	7.9	7.89	100	98
May	0.1	0.1	0.9	0.63	0.03	0.03	19.3	14.21	7.91	7.65	101	82
June	0.1	0.1	0.8	0.65	0.03	0.03	24.7	23.35	7.55	7.5	50	49
July	0.1	0.1	1.1	0.8	0.03	0.03	24.6	24.35	7.49	7.38	46	39.5
August	0.1	0.1	0.5	0.5	0.03	0.03	32.2	28.25	7.33	6.85	31	18
September	0.1	0.1	0.7	0.6	0.03	0.03	26.1	23.34	7.39	7.31	39	30
October	0.1	0.1	0.5	0.5	0.03	0.03	19.1	16.75	7.78	7.63	61	51
November	0.1	0.1	0.9	0.7	0.03	0.03	13.2	12.93	7.44	7.22	73	69.7
December	7.7	4.15	7.3	3.9	0.29	0.16	12.4	10.21	8.06	7.86	141	116



Raw Flow Volumes				
Month	Total Volume (m ³)	Avg Daily Flow (m ³ /d)	Peak Daily Flow (m ³ /d)	Discharge Volumes (m ³)
January	1777	57.32	65	1777
February	1609	57.46	66	1609
March	2195	70.81	103	2195
April	2831	94.37	142	2831
May	2883	93.00	103	2883
June	3066	102.20	116	3066
July	3189	106.30	129	3189
August	3242	104.58	122	3242
September	2944	98.13	111	2944
October	2611	84.23	95	2611
November	2385	79.50	105	2385
December	1928	62.19	73	1928
Total	30,660			30,660
Average		84.23		
Maximum			142	





Year	Total Raw Sewage Flow m ³ /d	Avg Day Sewage Flow m ³ /d	Max Day Sewage Flow m ³ /d	Avg Day % of rated capacity 360 m ³ /d
2022	30,660	84.23	142	23.3%
2021	30,345	83.14	126	23.0%
2020	36,412	99.49	201	27.6%
2019	34,033	93.24	180	25.9%
2018	29,126	79.78	134	22.2%

The annual average flows measured into the sewage lagoon did not exceed the specified rated capacity of the facility.

The average daily flow for 2022 (84.23 m³/d) was approximately 23.3% of the rated capacity. The highest recorded peak flow occurred in April (142 m³/d) and was approximately 39% of the rated capacity; however, the peak flow rate specified in the ECA is 1,320 m³/d.

The total raw sewage flow into the sewage treatment plant for the year was calculated to be 30,660 m³.

The monthly average concentrations limit for Total Phosphorous **was exceeded** in January, March and June.

All other monthly average concentration and monthly average loading limits were not exceeded in 2022. The operator did not observe a visible film, sheen, foam or discoloration on the receiving waters nor did he notice floating or settleable solids.

To ensure objective limits are met, disinfection and chemical phosphorous removal is practiced.

The monthly objective limit for TSS was not met for the month of June. Staff have reached out to OCWA's Process Optimization Team (POTs) and have been working with them to review and optimize the process.

The total effluent discharge from the sewage treatment plant for the year was 30,660 m³.

SECTION 5: Facility Upsets & Non Compliances

1. Total Phosphorous exceedance – January
 - The monthly average was 1.275 mg/L
 - Low flows, low DO levels and a weak influent contributed to the higher than average TP levels
 - Weak influent (low nutrient levels) combined with low flows can negatively affect biological treatment processes



2. Total Phosphorous exceedance – March
 - The monthly average was 1.03 mg/L
 - Low flows, low DO levels and a weak influent contributed to the higher than average TP levels
 - Weak influent (low nutrient levels) combined with low flows can negatively affect biological treatment processes
 - Excessive sludge in the primary clarifier is causing some carryover of phosphorous into the effluent.
 - Sludge removal was scheduled for later in the year

3. Total Phosphorous exceedance – June
 - The monthly average was 1.2 mg/L
 - Low flows, low DO levels and a weak influent contributed to the higher than average TP levels
 - Weak influent (low nutrient levels) combined with low flows can negatively affect biological treatment processes
 - Excessive sludge in the primary clarifier is causing some carryover of phosphorous into the effluent.
 - Sludge removal was scheduled for later in the year

4. Broken RBC – December
 - The facility normally runs on 2 RBC units
 - A broken gearbox caused RBC#3 to be put out of service.
 - The facility is currently treating sludge through a single RBC unit.

It should be noted that after the exceedances in the effluent that occurred in June, staff reached out to OCWA’s Process Optimization Team (POTs) and have been working with them to review and optimize the process.

There were no spills, bypasses or additional operational issues encountered during [2022](#).

Copies of the incident reports can be found in [Appendix A](#).

SECTION 6: Maintenance

Plant maintenance and equipment calibrations are monitored using a Work Management System (WMS). Calibration and maintenance reports are attached as [Appendix B](#). Major maintenance is listed in the table below.

Work Order	Completion Date	Comment
N/A	N/A	N/A



There are no alterations, extensions or replacements planned for the next reporting period.

There were no sewer connections added or removed in the collection system during 2022.

There is no need for modifications to the works at this time to improve performance and reliability of the treatment system.

SECTION 7: Sludge

Sludge was removed from the primary clarifier in August 2022.

It is anticipated that 10 loads of sludge will be removed for the next reporting period. When sludge hauls do occur, the sludge is hauled by Edwin Karhi and disposed of at an approved landfill under CofA No.A560901 dated November 13, 2001.

Parameter	2022 Concentration mg/L	2021 Concentration mg/L	2020 Concentration mg/L	2019 Concentration mg/L	2018 Concentration mg/L
Total Solids	18,700	32,500	13,300	8,670	31,900
Total Phosphorus	480	1,200	161	260	2,000
Total Ammonia	91.4	153	<1	55.4	230
Nitrite	<0.2	<0.2	<0.2	<0.2	<0.2
Nitrate	<0.3	<0.3	<0.3	<0.3	<0.3
Arsenic	<0.1	0.2	<0.1	<0.1	0.1
Cadmium	0.013	0.037	<0.005	<0.005	0.050
Cobalt	0.03	0.07	0.01	0.02	0.09
Chromium	0.34	2	0.16	0.14	4.2
Copper	22	38	7.4	11	64
Mercury	0.005	0.005	0.001	0.001	0.013
Potassium	12	46	7	10	73
Molybdenum	0.29	0.10	<0.05	<0.05	0.19
Nickel	0.19	0.35	0.09	0.08	0.35
Lead	0.2	0.5	<0.1	0.1	1.0
Selenium	<0.1	<0.1	<0.1	<0.1	0.1
Zinc	11	19	4	4.2	31



Appendix A Incident Reports

ECA Exceedance Form



Rev 0 29-May-14

Plant: Hilton Beach WPCP DWS#: 110002880 ORG#: 5034

Employee Reporting Exceedance: Natalie Wagar

ECA exceedance	ECA # :	<u>3-0571-93-006</u>
Parameter:	<u>Total phosphorous</u>	ECA limits: <u>1.0 monthly average</u>
Sample date:	<u>March 9 & March 21, 2022</u>	Results: <u>1.82 mg/L & 0.24 mg/L</u>
Date results received:	<u></u>	
Comments During the month of March, the phosphorous levels in the effluent exceeded the ECA prescribed limits. As this was the second TP exceedance in 2022, process was reviewed in finer detail. Alum dosages have been adjusted upwards in order to help lower phosphorous and will continue to be reviewed in the coming months to ensure proper dosing. In addition, sludge is normally removed from the system on a regular basis but was delayed in 2021 due to covid. A sludge haul is scheduled for spring 2022. We believe this may contribute to the high phosphorous levels seen in the effluent.		

Record of contacting MOE		
Date:	<u>14-Apr-22</u>	Time: <u></u> Contact: <u>Stephen Rouleau</u>
Method of contact:	<u>Email</u>	

Record of contacting Client		
Date:	<u>14-Apr-22</u>	Time: <u></u> Contact: <u>Jillian Hayes</u>
		Contact: <u></u>
Method of contact:	<u>Email</u>	

Ref#:

ECA Exceedance Form



Rev 0 29-May-14

Plant: Hilton Beach WPCP DWS#: 110002880 ORG#: 5034

Employee Reporting Exceedance: Natalie Wagar

ECA exceedance	ECA # :	<u>3-0571-93-006</u>
Parameter:	<u>Total phosphorous</u>	ECA limits: <u>1.0 monthly average</u>
Sample date:	<u>Jan 10 and Jan 25 2022</u>	Results: <u>1.24 mg/L and 1.31 mg/L Avg 1.275 mg/L</u>
Date results received:	<u>17-Mar-22</u>	

Comments

During a review of results, it was found the monthly average for TP was above the limits set out in the ECA for the effluent. It is believed that below average flows and fluctuating temperatures throughout the month of January caused a change in DO levels which inhibited phosphorous removal. TP levels has dropped below effluent limits for the month of February.

Record of contacting MOE

Date: 18-Mar-22 Time: _____ Contact: Stephen Rouleau

Method of contact: _____ Email _____

Record of contacting Client

Date: 18-Mar-22 Time: _____ Contact: Jillian Hayes

Contact: _____

Method of contact: _____ Email _____

Ref#: _____

ECA Exceedance Form



Rev 0 29-May-14

Plant: Hilton Beach WPCP DWS#: 110002880 ORG#: 5034

Employee Reporting Exceedance: Natalie Wagar

ECA exceedance	ECA # :	<u>3-0571-93-006</u>	
Parameter:	<u>Total phosphorous</u>	ECA limits:	<u>1.0 monthly average</u>
Sample date:	<u>June 13 & June 28, 2022</u>	Results:	<u>0.23 & 2.17 mg/L</u>
Date results received:	<u></u>		
Comments			
<p>During the month of June, the phosphorous levels in the effluent exceeded the ECA prescribed limits with an average of 1.2. Sludge is normally removed from the system on a regular basis but was delayed in 2021 due to covid. A sludge haul is scheduled for Aug 16 and 17, 2022. We believe this may contribute to the high phosphorous levels seen in the effluent.</p>			

Record of contacting MOE					
Date:	<u></u>	Time:	<u></u>	Contact:	<u></u>
Method of contact:	<u>Email</u>				

Record of contacting Client					
Date:	<u></u>	Time:	<u></u>	Contact:	<u></u>
				Contact:	<u></u>
Method of contact:	<u>Email</u>				

Ref#:



Appendix B

Plant Maintenance

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details					WorkLog Detail
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	
2599017			5034, Hilton Beach WWTP & CS	OPER	Inspection	1	YEARS	Daily O&M Activities (1y) 5034	COMP	1/1/22 12:00 AM	1/23/23 03:55 PM	1/23/23 03:55 PM	Daily O&M Activities (1y) 5034 - Completed at year end
2599022	0000127491	PANEL ALARM/DIALER	5034, Hilton Beach WWTP & CS, Main SPS, Process, Process Control & Monitoring	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5034	CLOSE	1/1/22 12:00 AM	2/10/22 09:52 AM	2/10/22 09:52 AM	- Critical Alarm dialer test complete and logged. Tested multiple alarms at Plant. Alarm monitoring service called quickly as required
2599062			5034, Hilton Beach WWTP & CS	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5034	CLOSE	1/1/22 12:00 AM	1/5/22 12:32 PM	1/5/22 12:32 PM	- TPM inspection complete at STP. All equipment functioning as required, preventative maintenance performed regularly
2599109			5034, Hilton Beach WWTP & CS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5034	CLOSE	1/1/22 12:00 AM	1/5/22 12:29 PM	1/5/22 12:29 PM	- Health and Safety Inspection Complete, First aid kits, fire extinguishers and eye stations in place and ready for use. No new hazards.
2599123			5034, Hilton Beach WWTP & CS	OPER	Health and Safety	1	YEARS	Workplace Inspection (1y) 5034 - SEE ATTACHED DOC	CLOSE	1/1/22 12:00 AM	1/5/22 02:44 PM	1/5/22 02:44 PM	-Workplace inspection and Supervisor Report complete for 2022
2599165			5034, Hilton Beach WWTP & CS	OPER	Health and Safety	1	YEARS	WHMIS/MSDS/NSF Review And Update (1y) 5034	CLOSE	1/1/22 12:00 AM	4/21/22 11:07 AM	4/21/22 11:07 AM	- WHMIS/MSDS/NSF binders and paperwork all reviewed and updated as required.

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details					WorkLog Detail
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	
2611626			5034, Hilton Beach WWTP & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5034	CLOSE	1/1/22 12:00 AM	1/4/22 11:30 AM	1/4/22 11:30 AM	- WISKI reviewed for month, all data entered and correct. No issues found.
2615203	0000127487	GENERATOR DIESEL HILTON WWTP	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 1 Inspection/ Functional Test (1m) 5034	CLOSE	1/1/22 12:00 AM	1/5/22 12:27 PM	1/5/22 12:27 PM	-Generator tested for month of January. No issues with equipment or transfer.
2615231	0000127518	GENERATOR DIESEL HILTON MAIN PS	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Main PS Inspection/Functional Test (1m) 5034	CLOSE	1/1/22 12:00 AM	1/5/22 12:27 PM	1/5/22 12:27 PM	-Generator tested for month of January. No issues with equipment or transfer.
2623688			5034, Hilton Beach WWTP & CS, Main SPS	PM	Inspection	1	YEARS	Facility Asset Review - 5034	CLOSE	1/1/22 12:00 AM	11/4/22 10:42 AM	11/4/22 10:42 AM	Facility Asset Review - 5034
2650687	0000127491	PANEL ALARM/ DIALER	5034, Hilton Beach WWTP & CS, Main SPS, Process, Process Control & Monitoring	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5034	CLOSE	2/1/22 12:00 AM	2/28/22 12:16 PM	2/28/22 12:16 PM	- Critical Alarm dialer test complete and logged. Tested multiple alarms at Plant. Alarm monitoring service called quickly as required
2650700			5034, Hilton Beach WWTP & CS	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5034	CLOSE	2/1/22 12:00 AM	2/3/22 08:21 AM	2/3/22 08:21 AM	- TPM inspection complete at STP. All equipment functioning as required, preventative maintenance performed regularly

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2650705			5034, Hilton Beach WWTP & CS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5034	CLOSE	2/1/22 12:00 AM	2/3/22 08:17 AM	2/3/22 08:17 AM	- Health and Safety Inspection Complete, First aid kits, fire extinguishers and eye stations in place and ready for use. No new hazards.
2659206			5034, Hilton Beach WWTP & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5034	CLOSE	2/1/22 12:00 AM	2/3/22 08:13 AM	2/3/22 08:13 AM	- WISKI reviewed for month, all data entered and correct. No issues found.
2661738	0000127487	GENERATOR DIESEL HILTON WWTP	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 1 Inspection/ Functional Test (1m) 5034	CLOSE	2/1/22 12:00 AM	2/4/22 01:07 PM	2/4/22 01:07 PM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
2661766	0000127518	GENERATOR DIESEL HILTON MAIN PS	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Main PS Inspection/Functional Test (1m) 5034	CLOSE	2/1/22 12:00 AM	2/4/22 01:08 PM	2/4/22 01:08 PM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2679320			Hilton Beach Wastewater Treatment Plant & Collection System	CALL	Refurbish/ Replace/Repair	0		Add-a-Phase failure - HB Lift Station	CLOSE		2/16/22 08:15 PM	2/16/22 11:00 PM	-Alarm at Lift station, arrived on site, found generator running but not powering station. Tried resetting main breaker but just would continue to blow. Turned pumps off, tried resetting again but still blew out. Called Kevin Spec (OCWA Sr. Manager) to get permission to call an electrician. Called Redstar Electric, Kevin from Redstar showed up within 30 minutes. Through process of elimination we determined the Add a Phase had blown 6 capacitors. Currently Pump 1 is main duty, Pump 2 is out of service until the repairs can be made. There should be no effect to the system as one pump handles the work load as it is.
2679324			Hilton Beach Wastewater Treatment Plant & Collection System	EMER	Refurbish/ Replace/Repair	0		Emergency after hours service call and repair parts for Add a Phase bank 2	CLOSE		2/17/22 09:57 AM	3/15/22 12:13 PM	-Emergency after hours call for electrician from Redstar Electric. Kevin Hawdon arrived on site, trouble shot and was able to determine 6 blown capacitors in Add a Phase bank 2.
2680559			5034, Hilton Beach WWTP & CS, Main SPS, Process	CALL	Refurbish/ Replace/Repair	0		5034 Hilton SPS. High level alarm	CLOSE		2/22/22 04:15 PM	2/22/22 07:30 PM	-Sewage pumping station high level alarm. Pump #2 had tripped on the overload breaker. Reset breaker and watch the level drop until high level alarm returned to normal. Cleared alarms up at sewage treatment plant. Snow plowed up onto access hatches.

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2680562			5034, Hilton Beach WWTP & CS, Main SPS, Process	CALL	Refurbish/ Replace/Repair	0		5034 Hilton Beach SPS high level pump failure alarm	CLOSE		2/22/22 08:45 PM	2/22/22 11:30 PM	-High level sewage alarm at SPS. When I reset the pump I noted it was pump #2 not #1 that was pumping. Number #1 pump is turned off and not in auto. After checking all the breakers which included the Add a phase breaker, main breaker, selector switch and inside the panel it was determined that the it is pump #1 that has the issues with the add a phase capacitors blowing out. I ran pump #2 and it pumped the well level down. It was noted that Pump #1 was selected as lead pump. M1 The issues looked like it started around 12:20 today. I set Pump #2 as lead and talked Kevin from Redstar electric. He said this may have caused a problem as it would look for pump #1 but it was turned off. Cleared alarms up at the main sewage treatment plant. Monitored pump runtimes and it was ok.
2693078	0000127491	PANEL ALARM/ DIALER	5034, Hilton Beach WWTP & CS, Main SPS, Process, Process Control & Monitoring	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5034	CLOSE	3/1/22 12:00 AM	3/31/22 12:56 PM	3/31/22 12:56 PM	- Critical Alarm dialer test complete. Tested multiple alarms at Plant, Alarm monitoring company (ATS) called quickly as required.

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2693082			5034, Hilton Beach WWTP & CS	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5034	CLOSE	3/1/22 12:00 AM	3/11/22 10:18 AM	3/11/22 10:18 AM	- TPM inspection complete at STP. All equipment functioning as required, preventative maintenance performed regularly
2693123			5034, Hilton Beach WWTP & CS	PM	Inspection	1	YEARS	Electrical Equipment Inspection/ Service (1y) 5034 Hilton Beach WWTP	CLOSE	3/1/22 12:00 AM	12/7/22 11:17 AM	12/7/22 11:17 AM	Electrical Equipment Inspection/ Service (1y) 5034 Hilton Beach WWTP - not executed
2693211			5034, Hilton Beach WWTP & CS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5034	CLOSE	3/1/22 12:00 AM	3/11/22 10:17 AM	3/11/22 10:17 AM	- Health and Safety Inspection Complete, First aid kits, fire extinguishers and eye stations in place and ready for use. No new hazards.
2702660			5034, Hilton Beach WWTP & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5034	CLOSE	3/1/22 12:00 AM	3/11/22 10:12 AM	3/11/22 10:12 AM	- WISKI reviewed for month, all data entered and correct. No issues found.
2705463	0000127487	GENERATOR DIESEL HILTON WWTP	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 1 Inspection/ Functional Test (1m) 5034	CLOSE	3/1/22 12:00 AM	3/15/22 12:10 PM	3/15/22 12:10 PM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
2705494	0000127518	GENERATOR DIESEL HILTON MAIN PS	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Main PS Inspection/Functional Test (1m) 5034	CLOSE	3/1/22 12:00 AM	3/15/22 12:10 PM	3/15/22 12:10 PM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
2740052	0000127491	PANEL ALARM/ DIALER	5034, Hilton Beach WWTP & CS, Main SPS, Process, Process Control & Monitoring	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5034	CLOSE	4/1/22 12:00 AM	4/28/22 02:26 PM	4/28/22 02:26 PM	- Chemical verification completed, lab chemicals as well as process chemicals ok.
2740086			5034, Hilton Beach WWTP & CS	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5034	CLOSE	4/1/22 12:00 AM	4/6/22 12:14 PM	4/6/22 12:14 PM	- Health and Safety Inspection Complete, First aid kits, fire extinguishers and eye stations in place and ready for use. No new hazards.

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2740117			5034, Hilton Beach WWTP & CS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5034	CLOSE	4/1/22 12:00 AM	4/6/22 12:17 PM	4/6/22 12:17 PM	- Health and Safety Inspection Complete, First aid kits, fire extinguishers and eye stations in place and ready for use. No new hazards.
2750628			5034, Hilton Beach WWTP & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5034	CLOSE	4/1/22 12:00 AM	4/8/22 12:18 PM	4/8/22 12:18 PM	- WISKI reviewed for month, all data entered and correct. No issues found.
2753541	0000127487	GENERATOR DIESEL HILTON WWTP	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 1 Inspection/ Functional Test (1m) 5034	CLOSE	4/1/22 12:00 AM	4/6/22 12:14 PM	4/6/22 12:14 PM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
2753588	0000127518	GENERATOR DIESEL HILTON MAIN PS	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Main PS Inspection/Functional Test (1m) 5034	CLOSE	4/1/22 12:00 AM	4/6/22 12:13 PM	4/6/22 12:13 PM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
2753632			5034, Hilton Beach WWTP & CS	PM	Refurbish/ Replace/Repair	1	YEARS	Pump Diaphragm Inspection (1y) 5034	CLOSE	4/1/22 12:00 AM	7/14/22 12:02 PM	7/14/22 12:02 PM	- Inspected Diaphragms and components on hypo pump. Observed pumps during operation, dismantled when able to and cleaned systems as required.
2758257			5034, Hilton Beach WWTP & CS	PM	Refurbish/ Replace/Repair	1	YEARS	Blower #1 Service (1y) 5034	CLOSE	4/1/22 12:00 AM	7/19/22 12:29 PM	7/19/22 12:29 PM	- Inspection and greasing complete
2758295			5034, Hilton Beach WWTP & CS	PM	Refurbish/ Replace/Repair	1	YEARS	Blower #2 Service (1y) 5034	CLOSE	4/1/22 12:00 AM	7/19/22 12:30 PM	7/19/22 12:30 PM	- Inspection and greasing complete
2758318			5034, Hilton Beach WWTP & CS	PM	Refurbish/ Replace/Repair	1	YEARS	Blower #3 Service (1y) 5034	CLOSE	4/1/22 12:00 AM	7/19/22 12:31 PM	7/19/22 12:31 PM	- Inspection and greasing complete

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details					WorkLog Detail
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	
2773361			5034, Hilton Beach WWTP & CS, Main SPS	CALL	Refurbish/ Replace/Repair	0		5034 Hilton beach sps high level alarm	CLOSE		4/6/22 06:00 PM	4/6/22 07:45 PM	-High level alarm. Heavy rain caused a flash flood in the town. High level float alarm was activated. Level returned to normal and high level float alarm reset. Checked pumps and they both worked normal and were in auto. Cleared alarm and reset at main sewage station.
2789893	0000127491	PANEL ALARM/ DIALER	5034, Hilton Beach WWTP & CS, Main SPS, Process, Process Control & Monitoring	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5034	CLOSE	5/1/22 12:00 AM	6/2/22 02:12 PM	6/2/22 02:12 PM	- Critical Alarm dialer test complete and logged. Tested multiple alarms at Plant. Alarm monitoring service called quickly as required
2789897			5034, Hilton Beach WWTP & CS	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5034	CLOSE	5/1/22 12:00 AM	5/19/22 02:50 PM	5/19/22 02:50 PM	-TPM inspection complete at STP. All equipment functioning as required, preventative maintenance performed regularly
2789902			5034, Hilton Beach WWTP & CS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5034	CLOSE	5/1/22 12:00 AM	5/19/22 02:46 PM	5/19/22 02:46 PM	- Health and Safety Inspection Complete, First aid kits, fire extinguishers and eye stations in place and ready for use. No new hazards.
2798226			5034, Hilton Beach WWTP & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5034	CLOSE	5/1/22 12:00 AM	5/4/22 07:42 AM	5/4/22 07:42 AM	- WISKI reviewed for month, all data entered and correct. No issues found.

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2801343	0000127487	GENERATOR DIESEL HILTON WWTP	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 1 Inspection/ Functional Test (1m) 5034	CLOSE	5/1/22 12:00 AM	5/26/22 10:11 AM	5/26/22 10:11 AM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found. - Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
2801377	0000127518	GENERATOR DIESEL HILTON MAIN PS	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Main PS Inspection/Functional Test (1m) 5034	CLOSE	5/1/22 12:00 AM	5/3/22 12:34 PM	5/3/22 12:34 PM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
2823863			Hilton Beach Wastewater Treatment Plant & Collection System	CORR	Refurbish/ Replace/Repair	0		5034 Hilton Beach STP Lighting Repairs as per ESA Inspection	CLOSE		9/2/22 09:15 AM	9/2/22 09:15 AM	5034 Hilton Beach STP Lighting Repairs as per ESA Inspection -Quote to repair and replace lighting fixtures as per ESA inspection 5034 Hilton Beach STP Lighting Repairs as per ESA Inspection - Completed WO due to Operator Creating duplicate WO and Adding labour Kevin Spec
2836600	0000127491	PANEL ALARM/ DIALER	5034, Hilton Beach WWTP & CS, Main SPS, Process, Process Control & Monitoring	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5034	CLOSE	6/1/22 12:00 AM	7/14/22 12:10 PM	7/14/22 12:10 PM	- Critical Alarm dialer test complete and logged. Tested multiple alarms at Plant. Alarm monitoring service called quickly as required
2836604			5034, Hilton Beach WWTP & CS	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5034	CLOSE	6/1/22 12:00 AM	7/7/22 01:17 PM	7/7/22 01:17 PM	- TPM inspection complete at STP. All equipment functioning as required, preventative maintenance performed regularly
2836609			5034, Hilton Beach WWTP & CS	PM	Health and Safety	1	YEARS	Fire Protection System Inspection (1y) 5034	CLOSE	6/1/22 12:00 AM	11/4/22 02:27 PM	11/4/22 02:27 PM	Fire Protection System Inspection (1y) 5034 -Completed By SPI

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details					WorkLog Detail
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	
2836612			5034, Hilton Beach WWTP & CS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5034	CLOSE	6/1/22 12:00 AM	7/14/22 12:09 PM	7/14/22 12:09 PM	- Health and Safety Inspection Complete, First aid kits, fire extinguishers and eye stations in place and ready for use. No new hazards.
2845831			5034, Hilton Beach WWTP & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5034	CLOSE	6/1/22 12:00 AM	6/2/22 02:18 PM	6/2/22 02:18 PM	- WISKI reviewed for month, all data entered and correct. No issues found.
2850275	0000127487	GENERATOR DIESEL HILTON WWTP	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 1 Inspection/ Functional Test (1m) 5034	CLOSE	6/1/22 12:00 AM	7/14/22 12:09 PM	7/14/22 12:09 PM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
2850294	0000127487	GENERATOR DIESEL HILTON WWTP	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	YEARS	Diesel Generator 1 Inspection/ Functional Test (1y) 5034	CLOSE	6/1/22 12:00 AM	8/25/22 02:58 PM	8/25/22 02:58 PM	- Diesel Generator annual service/ inspection complete. No issues found.
2850318	0000127518	GENERATOR DIESEL HILTON MAIN PS	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Main PS Inspection/Functional Test (1m) 5034	CLOSE	6/1/22 12:00 AM	7/14/22 12:03 PM	7/14/22 12:03 PM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
2850359	0000127518	GENERATOR DIESEL HILTON MAIN PS	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	YEARS	Diesel Generator Main PS Inspection/Functional Test (1y) 5034	CLOSE	6/1/22 12:00 AM	8/25/22 02:58 PM	8/25/22 02:58 PM	- Diesel Generator annual service/ inspection complete. No issues found.
2850394			5034, Hilton Beach WWTP & CS	PM	Refurbish/ Replace/Repair	1	YEARS	Tank Inspection (1y) 5034	CLOSE	6/1/22 12:00 AM	7/14/22 12:07 PM	7/14/22 12:07 PM	- Tank Inspection complete, no cracks, deterioration or expiries on any of the tanks or vessels in the WPCP.
2873151			Hilton Beach Wastewater Treatment Plant & Collection System	OPER	Calibration	0		5034 Purchase of new CL2 analyzer for Hilton STP	CLOSE		8/3/22 09:42 AM	8/3/22 09:42 AM	5034 Purchase of new CL2 analyzer for Hilton STP -Purchase New DR300 CL2 Analyzer to replace failed unit

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2886147	0000127491	PANEL ALARM/DIALER	5034, Hilton Beach WWTP & CS, Main SPS, Process, Process Control & Monitoring	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5034	CLOSE	7/1/22 12:00 AM	7/14/22 12:08 PM	7/14/22 12:08 PM	- Critical Alarm dialer test complete and logged. Tested multiple alarms at Plant. Alarm monitoring service called quickly as required
2886151			5034, Hilton Beach WWTP & CS	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5034	CLOSE	7/1/22 12:00 AM	7/7/22 01:18 PM	7/7/22 01:18 PM	- TPM inspection complete at STP. All equipment functioning as required, preventative maintenance performed regularly
2886156			5034, Hilton Beach WWTP & CS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5034	CLOSE	7/1/22 12:00 AM	7/6/22 08:41 AM	7/6/22 08:41 AM	- Health and Safety Inspection Complete, First aid kits, fire extinguishers and eye stations in place and ready for use. No new hazards.
2895919			5034, Hilton Beach WWTP & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5034	CLOSE	7/1/22 12:00 AM	7/6/22 09:04 AM	7/6/22 09:04 AM	- WISKI reviewed for month, all data entered and correct. No issues found.
2899029	0000127487	GENERATOR DIESEL HILTON WWTP	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/Replace/Repair	1	MONTHS	Diesel Generator 1 Inspection/Functional Test (1m) 5034	CLOSE	7/1/22 12:00 AM	7/14/22 11:57 AM	7/14/22 11:57 AM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
2899057	0000127518	GENERATOR DIESEL HILTON MAIN PS	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/Replace/Repair	1	MONTHS	Diesel Generator Main PS Inspection/Functional Test (1m) 5034	CLOSE	7/1/22 12:00 AM	7/14/22 12:01 PM	7/14/22 12:01 PM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
2917371			Hilton Beach Wastewater Treatment Plant & Collection System	CALL	Refurbish/Replace/Repair	0		Diesel run alarm	CLOSE		7/5/22 05:00 PM	7/5/22 06:00 PM	- Diesel Generator run alarm, Plant on back up power due to power issue in town. Arrived at Plant, generator stopped as I walked in, line power restored. Acknowledged alarm.

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details					WorkLog Detail
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	
2922251			Hilton Beach Wastewater Treatment Plant & Collection System	CALL	Refurbish/ Replace/Repair	0		5034 Hilton WWTP Sewage pump station generator running alarm.	CLOSE		7/23/22 04:45 PM	7/23/22 07:15 PM	- Generator running alarm at main pump station. Mayor called and said no power issues. Checked main pump station and found main breaker tripped. Reset breaker and power restored. Generator power transferred back to utility power. Generator back to normal. Went up to main sewage treatment plant an acknowledge and reset Zone 6 alarm.
2934364	0000127491	PANEL ALARM/ DIALER	5034, Hilton Beach WWTP & CS, Main SPS, Process, Process Control & Monitoring	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5034	CLOSE	8/1/22 12:00 AM	8/25/22 03:00 PM	8/25/22 03:00 PM	- Critical Alarm dialer test complete and logged. Tested multiple alarms at Plant and lift station. Alarm monitoring service called quickly as required
2934368	0000313221	ANALYZER CHLORINE	5034, Hilton Beach WWTP & CS	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5034	CLOSE	8/1/22 12:00 AM	8/4/22 12:34 PM	8/4/22 12:34 PM	- TPM inspection complete at STP. All equipment functioning as required, preventative maintenance performed regularly
2934373	0000313221	ANALYZER CHLORINE	5034, Hilton Beach WWTP & CS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5034	CLOSE	8/1/22 12:00 AM	8/4/22 12:33 PM	8/4/22 12:33 PM	- Health and Safety Inspection Complete, First aid kits, fire extinguishers and eye stations in place and ready for use. No new hazards.
2942660	0000313221	ANALYZER CHLORINE	5034, Hilton Beach WWTP & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5034	CLOSE	8/1/22 12:00 AM	8/5/22 01:34 PM	8/5/22 01:34 PM	- WISKI reviewed for month, all data entered and correct. No issues found.

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2946052	0000127487	GENERATOR DIESEL HILTON WWTP	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 1 Inspection/ Functional Test (1m) 5034	CLOSE	8/1/22 12:00 AM	8/4/22 12:36 PM	8/4/22 12:36 PM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
2946080	0000127518	GENERATOR DIESEL HILTON MAIN PS	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Main PS Inspection/Functional Test (1m) 5034	CLOSE	8/1/22 12:00 AM	8/4/22 12:37 PM	8/4/22 12:37 PM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
2964015			Hilton Beach Wastewater Treatment Plant & Collection System	PM	Refurbish/ Replace/Repair	0		5058 Echo Bay Annual Sludge Haul	CLOSE		8/10/22 02:56 PM	10/13/22 09:47 AM	5058 Echo Bay Annual Sludge Haul -OCWA Labour only for Annual Sludge Haul
2965674			Hilton Beach Wastewater Treatment Plant & Collection System	CAP	Refurbish/ Replace/Repair	0		5034 Hilton STP Lighting replacement/repair As per ESA	CLOSE		8/17/22 01:48 PM	8/17/22 01:50 PM	- Light bulbs and ballasts replaced by Coppertown Electric

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
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 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

WO #	Asset ID	Asset Description	Location Description	WorkOrder		PM Schedule		Workorder Details					WorkLog Detail
				Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	
2966816			Hilton Beach Wastewater Treatment Plant & Collection System	CALL	Refurbish/ Replace/Repair	0		5034 Hilton STP Generator high temperature alarm	CLOSE		8/21/22 02:45 PM	8/21/22 04:45 PM	- Call out to sewage treatment plant thunderstorms in the area power outage. Generator running more than two hours that goes in the lift station and at the main sewage station Generator at Main sewage Station had a high temperature alarm and shut down. louvres are not working property high temperature in the room open the doors to cool the area. power was restored from utility cleared all alarms. Utility power was restored. Recommend louvres to be repaired and working properly reset alarms. All levels normal.
2980587	0000127491	PANEL ALARM/ DIALER	5034, Hilton Beach WWTP & CS, Main SPS, Process, Process Control & Monitoring	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5034	CLOSE	9/1/22 12:00 AM	10/13/22 09:47 AM	10/13/22 09:47 AM	- Critical Alarm dialer test complete and logged. Tested multiple alarms at Plant. Alarm monitoring service called quickly as required
2980591	0000313221	ANALYZER CHLORINE	5034, Hilton Beach WWTP & CS	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5034	CLOSE	9/1/22 12:00 AM	9/14/22 11:49 AM	9/14/22 11:49 AM	- TPM inspection complete at STP. All equipment functioning as required, preventative maintenance performed regularly

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
2980624	0000313221	ANALYZER CHLORINE	5034, Hilton Beach WWTP & CS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5034	CLOSE	9/1/22 12:00 AM	9/16/22 01:11 PM	9/16/22 01:11 PM	- Health and Safety Inspection Complete, First aid kits, fire extinguishers and eye stations in place and ready for use. No new hazards.
2989755	0000313221	ANALYZER CHLORINE	5034, Hilton Beach WWTP & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5034	CLOSE	9/1/22 12:00 AM	9/8/22 01:04 PM	9/8/22 01:04 PM	- WISKI reviewed for month, all data entered and correct. No issues found.
2994026	0000127487	GENERATOR DIESEL HILTON WWTP	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 1 Inspection/ Functional Test (1m) 5034	CLOSE	9/1/22 12:00 AM	10/13/22 09:49 AM	10/13/22 09:49 AM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
2994063	0000127518	GENERATOR DIESEL HILTON MAIN PS	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Main PS Inspection/Functional Test (1m) 5034	CLOSE	9/1/22 12:00 AM	10/13/22 09:50 AM	10/13/22 09:50 AM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
3000145	0000127511	TANK PROCESS CLARIFIER SECONDARY	5034, Hilton Beach WWTP & CS, Process, Secondary Treatment	PM	Refurbish/ Replace/Repair	1	YEARS	Clarifier Inspection (1y) 5034	CLOSE	10/3/22 12:00 AM	10/26/22 01:02 PM	10/26/22 01:02 PM	- Annual Clarifier inspection complete. No issues or sign of excessive wear or damage to tank or lids.
3000162	0000127512	TANK PROCESS CLARIFIER SECONDARY	5034, Hilton Beach WWTP & CS, Process, Secondary Treatment	PM	Refurbish/ Replace/Repair	1	YEARS	Clarifier Inspection (1y) 5034	CLOSE	10/3/22 12:00 AM	10/26/22 01:03 PM	10/26/22 01:03 PM	- Annual Clarifier inspection complete. No issues or sign of excessive wear or damage to tank or lids.
3000215	0000127513	TANK PROCESS CLARIFIER SECONDARY	5034, Hilton Beach WWTP & CS, Process, Secondary Treatment	PM	Refurbish/ Replace/Repair	1	YEARS	Clarifier Inspection (1y) 5034	CLOSE	10/3/22 12:00 AM	10/26/22 01:03 PM	10/26/22 01:03 PM	- Annual Clarifier inspection complete. No issues or sign of excessive wear or damage to tank or lids.
3031047	0000127491	PANEL ALARM/ DIALER	5034, Hilton Beach WWTP & CS, Main SPS, Process, Process Control & Monitoring	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5034	CLOSE	10/1/22 12:00 AM	10/13/22 09:47 AM	10/13/22 09:47 AM	- Critical Alarm dialer test complete and logged. Tested multiple alarms at Plant. Alarm monitoring service called quickly as required

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3031051	0000313221	ANALYZER CHLORINE	5034, Hilton Beach WWTP & CS	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5034	CLOSE	10/1/22 12:00 AM	10/6/22 11:58 AM	10/6/22 11:58 AM	- TPM inspection complete at STP. All equipment functioning as required, preventative maintenance performed regularly
3031056	0000313221	ANALYZER CHLORINE	5034, Hilton Beach WWTP & CS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5034	CLOSE	10/1/22 12:00 AM	10/6/22 11:54 AM	10/6/22 11:54 AM	- Health and Safety Inspection Complete, First aid kits, fire extinguishers and eye stations in place and ready for use. No new hazards.
3039987	0000313221	ANALYZER CHLORINE	5034, Hilton Beach WWTP & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5034	CLOSE	10/1/22 12:00 AM	10/11/22 12:20 PM	10/11/22 12:20 PM	- WISKI reviewed for month, all data entered and correct. No issues found.
3043730	0000127487	GENERATOR DIESEL HILTON WWTP	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 1 Inspection/ Functional Test (1m) 5034	CLOSE	10/1/22 12:00 AM	10/13/22 09:48 AM	10/13/22 09:48 AM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
3043767	0000127518	GENERATOR DIESEL HILTON MAIN PS	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Main PS Inspection/Functional Test (1m) 5034	CLOSE	10/1/22 12:00 AM	10/13/22 09:49 AM	10/13/22 09:49 AM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
3079127	0000127491	PANEL ALARM/ DIALER	5034, Hilton Beach WWTP & CS, Main SPS, Process, Process Control & Monitoring	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5034	CLOSE	11/1/22 12:00 AM	11/23/22 10:40 AM	11/23/22 10:40 AM	- Critical Alarm dialer test complete and logged. Tested multiple alarms at Plant. Alarm monitoring service called quickly as required
3079131	0000313221	ANALYZER CHLORINE	5034, Hilton Beach WWTP & CS	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5034	CLOSE	11/1/22 12:00 AM	11/14/22 11:45 AM	11/14/22 11:45 AM	- TPM inspection complete at STP. All equipment functioning as required, preventative maintenance performed regularly

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3079140	0000313221	ANALYZER CHLORINE	5034, Hilton Beach WWTP & CS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5034	CLOSE	11/1/22 12:00 AM	11/14/22 11:45 AM	11/14/22 11:45 AM	- Health and Safety Inspection Complete, First aid kits, fire extinguishers and eye stations in place and ready for use. No new hazards.
3086721	0000313221	ANALYZER CHLORINE	5034, Hilton Beach WWTP & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5034	CLOSE	11/1/22 12:00 AM	11/8/22 01:33 PM	11/8/22 01:33 PM	-Not executed by staff
3089726	0000127487	GENERATOR DIESEL HILTON WWTP	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 1 Inspection/ Functional Test (1m) 5034	CLOSE	11/1/22 12:00 AM	11/15/22 01:50 PM	11/15/22 01:50 PM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
3089768	0000127518	GENERATOR DIESEL HILTON MAIN PS	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Main PS Inspection/Functional Test (1m) 5034	CLOSE	11/1/22 12:00 AM	11/15/22 01:51 PM	11/15/22 01:51 PM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
3119308	0000127491	PANEL ALARM/ DIALER	5034, Hilton Beach WWTP & CS, Main SPS, Process, Process Control & Monitoring	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5034	COMP	12/1/22 12:00 AM	12/13/22 02:09 PM	12/13/22 02:09 PM	- Critical Alarm dialer test complete and logged. Tested multiple alarms at Plant. Alarm monitoring service called quickly as required
3119312	0000313221	ANALYZER CHLORINE	5034, Hilton Beach WWTP & CS	PM	Inspection	1	MONTHS	TPM Inspection/Maintenance (1m) 5034	CLOSE	12/1/22 12:00 AM	12/6/22 03:01 PM	12/6/22 03:01 PM	- TPM inspection complete at STP. All equipment functioning as required, preventative maintenance performed regularly
3119317	0000313221	ANALYZER CHLORINE	5034, Hilton Beach WWTP & CS	PM	Health and Safety	1	MONTHS	Health And Safety Inspection (1m) 5034	CLOSE	12/1/22 12:00 AM	12/6/22 02:58 PM	12/6/22 02:58 PM	- Health and Safety Inspection Complete, First aid kits, fire extinguishers and eye stations in place and ready for use. No new hazards.
3127632	0000313221	ANALYZER CHLORINE	5034, Hilton Beach WWTP & CS	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5034	CLOSE	12/1/22 12:00 AM	12/7/22 01:00 PM	12/7/22 01:00 PM	- WISKI reviewed for month, all data entered and correct. No issues found.

Workorder Summary Report

 Report Start Date: Jan 1, 2022 12:00 AM
 Report End Date: Dec 31, 2022 11:59 PM
 Location: 5034*
 Work Order Type: All Workorder Type
 Work Order Class:

				WorkOrder		PM Schedule		Workorder Details					
WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
3130314	0000127487	GENERATOR DIESEL HILTON WWTP	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator 1 Inspection/ Functional Test (1m) 5034	CLOSE	12/1/22 12:00 AM	12/6/22 02:57 PM	12/6/22 02:57 PM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
3130353	0000127518	GENERATOR DIESEL HILTON MAIN PS	5034, Hilton Beach WWTP & CS, Facility, Power Generation, Power Generators Permanent	PM	Refurbish/ Replace/Repair	1	MONTHS	Diesel Generator Main PS Inspection/Functional Test (1m) 5034	CLOSE	12/1/22 12:00 AM	12/6/22 02:58 PM	12/6/22 02:58 PM	- Diesel back up Generator testing complete, switch over/back went off without issue. Inspected fluids, belts and hoses with no issues found.
3146948			5034, Hilton Beach WWTP & CS, Process	CORR	Compliance	0		5034 Hilton Beach Sludge Haul Aug 16 2022, High Phosphorus levels	COMP		12/12/22 12:01 PM	12/12/22 12:01 PM	5034 Hilton Beach Sludge Haul Aug 16 2022, High Phosphorus levels - Had Contactor remove 5 loads of Sludge from septage tanks to aid in high phosphorus levels on Wastewater plant effluent.
3147715			Hilton Beach Wastewater Treatment Plant & Collection System	CALL	Refurbish/ Replace/Repair	0		5034 Hilton Sewage. Pump station alarm	COMP		12/15/22 04:00 PM	12/15/22 06:15 PM	- Called out by Ryan Harmar as to lift station alarm. Checked lift station and both pumps checked and tested. Pumping normal. Generator did not run. Went up to main sewage treatment plant and checked alarm status. Winter storm system High winds and rain and wet snow. System in alarm but was able to clear it. Issues with bell line from high winds and wet weather. Checked lines on pole and all seemed intact. Cleared alarms. Noted wonderware was not trending the lift station.