

Echo Bay Water Pollution Control Plant

Annual Operating Report

ECA 3-1119-95-006 Issued December 20, 1995

January 1, 2024 – December 31, 2024

Prepared by the Ontario Clean Water Agency
For The Corporation of the Township of Macdonald, Meredith and Aberdeen Additional



Ontario Clean Water Agency
Agence Ontarienne Des Eaux



SECTION 1: INTRODUCTION

The Ontario Clean Water Agency (OCWA) acts as the operating authority for the Echo Bay wastewater treatment. This document is prepared by OCWA in accordance with Certificate of Approval (CofA) #3-1044-95-006. The report is required to include the following information:

- (i) A summary of all monitoring data 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 condition 1;
- (iii) A summary of any effluent quality assurance or control measures undertaken in the reporting period;
- (iv) A summary of all maintenance carried out on any major structure, equipment, apparatus, mechanism or thing forming a part of the works;
- (v) A description of any operating problems encountered and corrective action taken during the reporting period;
- (vi) A summary of any proposed alteration, extension 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 in the next reporting period;
- (viii) An outline of the proposed sludge handling methods and disposal areas to be utilized over the next reporting period; and
- (ix) A summary of the calibration and maintenance procedures conducted on all monitoring equipment

SECTION 2: Description of Facility

Capacity of Facility: 734 m³ / day (average flow)
Service Area: Town of Echo Bay
Service Population: 530
Effluent Receiver:
Major Process: Rotating Biological Contactor
Facility Classification: Wastewater Class 2
Collection Classification: Collection Class 2

SECTION 3: Executive Summary

Sampling parameters were **not exceeded** during the 2024 reporting period.

The total effluent discharge from the Sewage Treatment Plant for the year was 90,288.60 m³.

The total raw sewage flow into the Sewage Treatment Plant for the year was calculated to be 90,288.60 m³.



SECTION 4: Process Data

The facility operator collects samples of raw sewage and sends them to an accredited laboratory for analysis. Raw flows are calculated using flow meter values.

Raw (Influent) Sampling					
Parameter	Frequency	Method	Results		
			Min	Avg	Max
BOD ₅ (mg/L)	Monthly	24hr Composite – External Analysis (Lab)	52	87	141
TSS (mg/L)	Monthly	24hr Composite – External Analysis (Lab)	31	62	100
TP (mg/L)	Monthly	24hr Composite – External Analysis (Lab)	0.45	1.95	3.47
Flow (m ³ /d)	Daily	V-Notch Flow Meter	108.5	246.7	814.9

The facility operator collects effluent samples and sends them to an accredited laboratory for analysis. Depending on the parameter, samples are collected on a weekly or monthly basis and are collected by a composite sampler or by taking a grab sample.

Treated (Effluent) Sampling		
Parameter	Frequency	Method
CBOD ₅ (mg/L)	Monthly	24hr Composite – External Analysis (Lab)
BOD ₅ (mg/L)	Monthly	24hr Composite – External Analysis (Lab)
TSS (mg/L)	Monthly	24hr Composite – External Analysis (Lab)
TP (mg/L)	Weekly	24hr Composite – External Analysis (Lab)
E.Coli	Weekly	24hr Composite – External Analysis (Lab)
pH	Weekly	Grab – Internal Analysis
Temperature	Weekly	Grab – Internal Analysis
Alkalinity	Monthly	24hr Composite – External Analysis (Lab)
TKN	Monthly	24hr Composite – External Analysis (Lab)
Nitrite	Monthly	24hr Composite – External Analysis (Lab)
Nitrate	Monthly	24hr Composite – External Analysis (Lab)
Unionized Ammonia	Monthly	24hr Composite – External Analysis (Lab)
TAN	Monthly	24hr Composite – External Analysis (Lab)
Flow	Daily	Equal to Raw Flow Rate

Compliance limits are based on monthly discharges for effluent concentrations and effluent loadings. In addition, the effluent is essentially free of floating and settleable solids and does not contain oil or other substance in amounts sufficient to create a visible film or sheen or foam or discoloration on the receiving waters.



Treated (Effluent Discharge) Sampling									
Month	CBOD ₅		BOD		Suspended Solids		Total Phosphorus		E.Coli
	Avg. Eff	Avg. Load	Avg. Eff	Avg. Load	Avg. Eff	Avg. Eff	Avg. Eff	Avg. Load	Avg. Eff
	mg/L	kg/d	mg/L	kg/d	mg/L	mg/L	kg/d	mg/L	CFU/100mL
January	4	0.80	4	0.80	11	2.2	0.44	0.088	28.93
February	4	0.96	4	0.96	9	2.2	0.56	0.134	7.52
March	3	1.25	4	0.94	9	2.8	0.35	0.108	38.44
April	4	1.46	4	1.46	9	3.3	0.35	0.128	4.68
May	4	1.17	4	1.17	8	2.3	0.33	0.098	2.00
June	4	0.92	4	0.92	13	3.0	0.47	0.108	6.37
July	4	0.92	4	0.92	6	1.4	0.67	0.155	4.07
August	4	0.62	4	0.62	7	1.1	0.33	0.051	2.38
September	4	0.60	4	0.60	10	1.5	0.80	0.120	4.60
October	4	0.56	4	0.56	8	1.1	0.33	0.046	2.00
November	4	1.05	4	1.05	12	3.2	0.45	0.117	564.78
December	4	1.53	4	1.53	17	6.5	0.57	0.218	66.42
Max		1.53	4	1.46	17	6.5	0.80	0.218	564.78
Average	3.92								
ECA Limit			25	18.4	25	18.4	1.0	0.7	200
ECA Objective			15	11	15	11	0.8	0.56	200

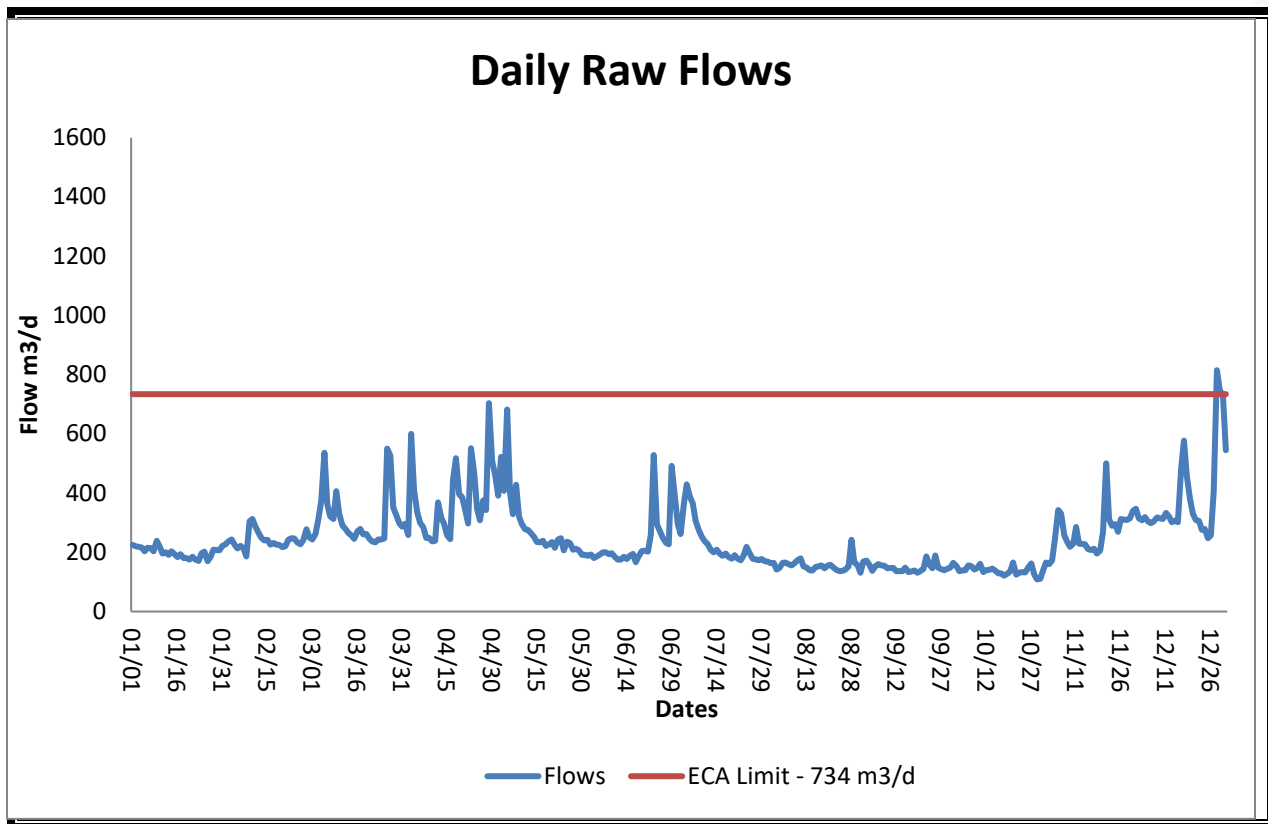
* E.coli average is calculated as a geometric mean

Additional Effluent Monitoring Samples						
Month	pH			Temperature		
	Min	Avg	Max	Min	Avg	Max
January	6.66	6.93	7.17	9.0	10.73	12.00
February	6.39	6.99	7.35	8.9	10.02	11.10
March	6.91	7.09	7.65	7.0	9.34	10.00
April	6.90	7.09	7.26	8.6	9.83	10.80
May	6.87	7.00	7.13	11.0	11.82	12.80
June	6.83	6.94	7.18	13.4	14.72	15.80
July	6.94	7.11	7.54	15.0	16.95	18.80
August	6.88	7.04	7.38	18.3	18.77	19.50
September	6.76	7.01	7.24	17.6	18.18	19.00
October	6.22	6.87	7.41	12.9	16.06	18.20
November	7.16	7.35	8.10	12.4	13.97	15.90
December	7.17	7.33	7.49	9.6	10.79	11.80



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

Flow Volumes				
Month	Total Volume (m ³)	Avg Daily Flow (m ³ /d)	Peak Daily Flow (m ³ /d)	Discharge Volumes (m ³)
January	6,200.90	200.03	239.30	6,200.90
February	6,980.50	240.71	312.00	6,980.50
March	9,663.80	311.74	550.70	9,663.80
April	10,931.70	364.39	703.80	10,931.70
May	9,090.90	293.25	682.10	9,090.90
June	6,920.20	230.67	529.10	6,920.20
July	7,150.50	230.66	428.90	7,150.50
August	4,825.90	155.67	241.70	4,825.90
September	4,480.80	149.36	189.70	4,480.80
October	4,315.00	139.19	165.80	4,315.00
November	7,885.00	262.83	500.90	7,885.00
December	11,843.40	382.05	814.90	11,843.40
Total	90,288.60			90,288.60
Average		246.71		
Maximum			814.90	



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 734 m ³ /d
2024	90,288.6	246.7	814.9	34%
2023	94,913.7	260.0	846.3	35%
2022	98,402.6	269.6	1,152.6	37%
2021	83,048.6	227.5	830.7	31%
2020	106,262.1	290.33	1,119.7	40%

The average flows measured into the sewage treatment plant did not exceed the specified average daily flow of 734 m³/day in 2024.

The average daily flow for 2024 is 246.7 m³/d which is approximately 34% of the rated capacity. The highest recorded peak flow occurred in February (846.3 m³/d) and was approximately 111% of the average rated capacity, however the peak flow rate specified in the ECA is 1,418 m³/d. The highest recorded flow was 57% of the peak flow rating.



The total raw sewage flow into the Sewage Treatment Plant for the year was calculated to be **90,288.6 m³**.

The total effluent discharge from the Sewage Treatment Plant for the year was **90,288.6 m³**.

The average concentrations for CBOD, TP, and BOD were all within the compliance and objective limits specified in the facility ECA. Average concentration/objective limits were exceeded for E.coli and objective limits were exceeded for TSS. In November, E.coli exceeded the limit with a geo mean of 564.78 cfu/100ml. In December, a high result of 17 mg/L for TSS brought it above the objective limit of 11 mg/L.

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 and compliance limits are met, in-house tests are conducted by licensed Operators using Standard Methods. The data generated from these tests are used to determine the treatment efficiency while maintaining process control. All in-house monitoring equipment is calibrated based on the manufactures recommendations. Alum is also used to help lower TSS and TP values.

The monitoring data and analytical test show that the facility is capable of producing high quality effluent. Throughout the reporting period, the flow of sewage into the sewage treatment plant did not exceed the maximum flow of 1,418m³/day at any period of time. Nor did it exceed the annual average flow of 734 m³/day. All average loadings for the above parameters were well within compliance limits. All pH values remained within the range of 6.0 to 9.5 at all times.

SECTION 5: Facility Upsets & Non Compliances

The E.coli geometric mean density for the month of November exceeded the limit prescribed in the facility's ECA with an average of 564.78 CFU/100mL.

SECTION 6: Maintenance

Plant maintenance is monitored using a Work Management System (WMS). All monitoring equipment maintenance and calibrations are performed on a monthly basis or as per manufacturer requirements. Flow meter verifications are completed annually; records are maintained on site and electronically on the OCWA Hub server. Maintenance and verification reports are attached as **Appendix A**. Any major maintenance can be found in the table below.

Work Order	Completion Date	Comment
4194965	October 2024	Sewer line flushing – Section completed includes: West of highway 17b and the entire Bay street, including the Lake street lift station



For the next reporting period, there are no proposed alterations, extensions or replacements in the process or operation of the works.

SECTION 7: Sludge

Volume of Sludge Hauled

Month	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep	Oct	Nov	Dec	Total
Total Volume (m ³)	0	0	0	0	0	0	0	0	0	300	40	0	340

Lab Results for Sludge Hauled

Parameter	2024 Average Concentration	2023 Average Concentration	2022 Average Concentration	2021 Average Concentration
Total Solids	8,600	34,800	6,010	33,500
Total Phosphorus	77	1,100	100	1,000
Total Ammonia	31	117	18.7	145
Nitrite	<3	<3	0.5	<0.2
Nitrate	<3	<3	<0.3	<0.3
Arsenic	<0.1	0.4	<0.1	0.5
Cadmium	<0.005	0.032	0.006	0.03
Cobalt	0.02	0.17	0.03	0.18
Chromium	0.08	0.68	0.11	0.76
Copper	1.6	15	2.1	14
Mercury	0.001	0.004	0.001	0.005
Potassium	21	29	13	32
Molybdenum	<0.05	0.17	0.84	0.18
Nickel	0.09	0.52	0.10	0.52
Lead	<0.1	0.5	<0.1	0.5
Selenium	<0.1	0.1	<0.1	<0.1
Zinc	4	55	40	82

A total volume of 340 m³ was removed from the Echo Bay WPCP in 2024 and was disposed of at the Hilton Beach Landfill. It is expected that the volume of sludge generated over the next reporting period will be equivalent to the volume generated in 2025.

SECTION 9: Additional Information

There is no additional information to provide for 2024.



Appendix A

Plant Maintenance

Workorder Summary Report

 Report Start Date: Jan 1, 2024 12:00 AM
 Report End Date: Dec 31, 2024 11:59 PM
 Location: 5058*
 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
3716646			5058, Echo Bay WWTP	PM	Refurbish/Replace/Repair	1	YEARS	Pump Submersible Inspection (1y) 5058	CLOSE	1/1/24 12:00 AM	2/22/24 12:08 PM	2/22/24 12:08 PM	- Ultrasonic inspection of high lift pumps completed. No issues found.
3716655			5058, Echo Bay WWTP	PM	Refurbish/Replace/Repair	1	YEARS	Tank Inspection (1y) 5058	CLOSE	1/1/24 12:00 AM	2/15/24 12:03 PM	2/15/24 12:03 PM	
3716659			5058, Echo Bay WWTP	PM	Inspection	6	MONTHS	UV Reactors Clean/Inspect/Bulb Replacements (6m) 5058	CLOSE	1/1/24 12:00 AM	8/12/24 01:41 PM	8/12/24 01:41 PM	- UV bulbs and effluent trough cleaned as required
3721990			5058, Echo Bay WWTP	OPER	Inspection	1	YEARS	Daily O & M Activities (1y) Echo Bay WW 5058	COMP	1/1/24 12:00 AM	1/2/25 01:25 PM	1/2/25 01:25 PM	
3728314	0000296601	PANEL CONTROL ALLEN BRADLEY PANELVIEW 600	5058, Echo Bay WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5058	CLOSE	1/1/24 12:00 AM	1/3/24 08:00 AM	1/3/24 09:00 AM	- SP-9 pump to be pulled and inspected for operation. Alarm occurred when shutting off pump on main control panel to prepare for pulling. Received call from ATS alarms.
3733806			5058, Echo Bay WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5058	CLOSE	1/1/24 12:00 AM	1/10/24 01:39 PM	1/10/24 01:39 PM	- WISKI reviewed for month, all data entered and correct. No issues found.
3734593			5058, Echo Bay WWTP	OPER	HEALTH AND SAFETY	1	YEARS	Workplace Inspection (1y) 5058 - SEE ATTACHED DOC	CLOSE	1/1/24 12:00 AM	1/10/24 01:33 PM	1/10/24 01:33 PM	- Workplace Inspection completed for 2024 and subitted to Manager
3743566			5058, Echo Bay WWTP	PM	Inspection	3	MONTHS	Gear Drive/Blower Motor Ultrasonic Inspection (3m) 5058	CLOSE	1/1/24 12:00 AM	2/15/24 12:00 PM	2/15/24 12:00 PM	- Gear drive/Blower inspection and service completed. Lubricated where applicable and ensured proper alignment and function.
3760650			Echo Bay Wastewater Treatment Plant & Collection System	CORR	Refurbish/Replace/Repair	0		5058 SP-9 Clarifier #2	CLOSE		1/8/24 01:34 PM	2/8/24 09:31 AM	- Draining clarifier #2 due to chain in clarifier. Pulling SP-09 to do a visual inspect of the pump. -Pulled pump and removed obstruction
3779896	0000296601	PANEL CONTROL ALLEN BRADLEY PANELVIEW 600	5058, Echo Bay WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5058	CLOSE	2/1/24 12:00 AM	2/15/24 11:58 AM	2/15/24 11:58 AM	

Workorder Summary Report

 Report Start Date: Jan 1, 2024 12:00 AM
 Report End Date: Dec 31, 2024 11:59 PM
 Location: 5058*
 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 Finish	WorkLog Detail
3784312			5058, Echo Bay WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5058	CLOSE	2/1/24 12:00 AM	2/7/24 08:56 AM	2/7/24 08:56 AM	
3804765			Echo Bay Wastewater Treatment Plant & Collection System	CALL	Refurbish/Replace/Repair	0		5058 Echo Bay Lake Street High Level Alarm	CLOSE		2/10/24 02:00 PM	2/10/24 04:00 PM	
3806265			Echo Bay Wastewater Treatment Plant & Collection System	CORR	Refurbish/Replace/Repair	0		5058 Echo Bay STP - Lake Street pump replacement	COMP		2/22/24 02:47 PM	12/20/24 01:35 PM	<ul style="list-style-type: none"> - Preparing installation of pump at Lake Street pumping station - Pumped down Wetwell with OCWA Vac trailer, Installed new guide bars and reset pump on base with Kevin Spec, Jon McDonald and Yueqian Ma. - Installation to be completed in 2025
3823324	0000296601	PANEL CONTROL ALLEN BRADLEY PANELVIEW 600	5058, Echo Bay WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5058	CLOSE	3/1/24 12:00 AM	3/6/24 01:11 PM	3/6/24 01:11 PM	<ul style="list-style-type: none"> - Critical Alarm dialer test complete and logged. Tested multiple alarms at Plant. Alarm monitoring service called quickly as required
3827865			5058, Echo Bay WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5058	CLOSE	3/1/24 12:00 AM	3/4/24 02:40 PM	3/4/24 02:40 PM	<ul style="list-style-type: none"> - WISKI reviewed for month, all data entered and correct. No issues found.
3869761	0000296601	PANEL CONTROL ALLEN BRADLEY PANELVIEW 600	5058, Echo Bay WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5058	CLOSE	4/1/24 12:00 AM	4/18/24 10:33 AM	4/18/24 10:33 AM	<ul style="list-style-type: none"> -Critical Alarm dialer test complete and logged. Tested alarms at Plant. Alarm monitoring service called quickly as required
3875373			5058, Echo Bay WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5058	CLOSE	4/1/24 12:00 AM	4/4/24 01:25 PM	4/4/24 01:25 PM	<ul style="list-style-type: none"> - WISKI reviewed for month, all data entered and correct. No issues found.
3884144			5058, Echo Bay WWTP	PM	Inspection	3	MONTHS	Gear Drive/Blower Motor Ultrasonic Inspection (3m) 5058	CLOSE	4/1/24 12:00 AM	4/12/24 11:36 AM	4/12/24 11:36 AM	<ul style="list-style-type: none"> - Blower inspection and service completed. Lubricated where applicable and ensured proper alignment and function.

Workorder Summary Report

 Report Start Date: Jan 1, 2024 12:00 AM
 Report End Date: Dec 31, 2024 11:59 PM
 Location: 5058*
 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
3922099	0000296601	PANEL CONTROL ALLEN BRADLEY PANELVIEW 600	5058, Echo Bay WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5058	CLOSE	5/1/24 12:00 AM	5/8/24 01:00 PM	5/8/24 02:00 PM	- Tested high wet well alarm at lake street lift station. Call was received by Ryan Harmar and Mark Witty. Acknowledged and cleared off dialer panel and SCADA.
3926704			5058, Echo Bay WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5058	CLOSE	5/1/24 12:00 AM	5/7/24 07:58 AM	5/7/24 07:58 AM	
3947198			Echo Bay Wastewater Treatment Plant & Collection System	CALL	Refurbish/ Replace/Repair	0		5058 Echo Bay WWT. Church St. main pump station SP3 fault alarm	CLOSE		4/30/24 05:00 PM	4/30/24 07:30 PM	
3949172			Echo Bay Wastewater Treatment Plant & Collection System	CALL	Refurbish/ Replace/Repair	0		5058 Echo Bay Lake Street High Level Alarm	CLOSE		5/9/24 01:08 AM	5/9/24 01:15 AM	- Follow up call from ATS at 1:08 for high wet well alarm at lake street that occurred at 7:00 PM. Trends showed current level of wet well was at 16 m and was pumping down successfully.
3970112	0000296601	PANEL CONTROL ALLEN BRADLEY PANELVIEW 600	5058, Echo Bay WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5058	CLOSE	6/1/24 12:00 AM	6/25/24 02:21 PM	6/25/24 02:21 PM	- Critical Alarm dialer test complete and logged. Tested alarm at Plant. Alarm monitoring service called quickly as required
3975967			5058, Echo Bay WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5058	CLOSE	6/1/24 12:00 AM	6/6/24 01:33 PM	6/6/24 01:33 PM	- WISKI reviewed for month, all data entered and correct. No issues found.

Workorder Summary Report

 Report Start Date: Jan 1, 2024 12:00 AM
 Report End Date: Dec 31, 2024 11:59 PM
 Location: 5058*
 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
3996964			Echo Bay Wastewater Treatment Plant & Collection System	CORR	Refurbish/ Replace/Repair	0		5058 Echo Bay STP - Diesel room lights	CLOSE		6/3/24 12:18 PM	6/3/24 12:18 PM	-Down the Line Electric to diagnose and repair Diesel room light issue - I repaired issue before contractor arrived. No supplies purchased 5058 Echo Bay STP - Diesel room lights - Operator was able to find issue and lights are working. No labour or electrical contractor
4001220			Echo Bay Wastewater Treatment Plant & Collection System	CALL	Refurbish/ Replace/Repair	0		5058 Echo Bay STP - Blower lockout due to power outage	CLOSE		6/22/24 08:00 AM	6/22/24 10:00 AM	-Assisted OIT Mike Elliott with lockouts caused by power disruption. Unlocked Blower system and reviewed alarm summary and setpoints in advance of heavy rain.
4009468			5058, Echo Bay WWTP	PM	Inspection	6	MONTHS	UV Reactors Clean/Inspect/Bulb Replacements (6m) 5058	CLOSE	7/1/24 12:00 AM	8/12/24 02:13 PM	8/12/24 02:13 PM	- Cleaned UV system, bulbs and channel. No bulbs required replacement
4018576	0000296601	PANEL CONTROL ALLEN BRADLEY PANELVIEW 600	5058, Echo Bay WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5058	CLOSE	7/1/24 12:00 AM	7/9/24 02:43 PM	7/9/24 02:43 PM	- Critical Alarm dialer test complete. Tested multiple alarms at Plant, Alarm monitoring service called quickly as required.
4023379			5058, Echo Bay WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5058	CLOSE	7/1/24 12:00 AM	7/8/24 12:44 PM	7/8/24 12:44 PM	- WISKI reviewed for month, all data entered and correct. No issues found.
4031205			5058, Echo Bay WWTP	PM	Inspection	3	MONTHS	Gear Drive/Blower Motor Ultrasonic Inspection (3m) 5058	CLOSE	7/1/24 12:00 AM	9/10/24 12:21 PM	9/10/24 12:21 PM	- Blower inspection and lubrication complete
4049590			Echo Bay Wastewater Treatment Plant & Collection System	CAP	Refurbish/ Replace/Repair	0		Echo Bay WWTP Environmental Centre Level Sensor Replacement	CLOSE		7/16/24 11:31 AM	7/18/24 12:06 PM	- reset miltronics level sensor reading as normal with OIC

Workorder Summary Report

 Report Start Date: Jan 1, 2024 12:00 AM
 Report End Date: Dec 31, 2024 11:59 PM
 Location: 5058*
 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
4067025	0000296601	PANEL CONTROL ALLEN BRADLEY PANELVIEW 600	5058, Echo Bay WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5058	CLOSE	8/1/24 12:00 AM	8/21/24 12:07 PM	8/21/24 12:07 PM	- Critical Alarm dialer test complete and logged. Tested multiple alarms at Plant. Alarm monitoring service called quickly as required
4071552			5058, Echo Bay WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5058	CLOSE	8/1/24 12:00 AM	8/1/24 02:46 PM	8/1/24 02:46 PM	- WISKI reviewed for month, all data entered and correct. No issues found.
4082848	0000296581	METER FLOW SECONDARY EFFLUENT	5058, Echo Bay WWTP	OPER	Calibration	1	YEARS	Meter Flow Secondary Effluent Calibration/Service (1y) 5058	CLOSE	8/1/24 12:00 AM	10/15/24 12:28 PM	10/15/24 12:28 PM	- Flow meter was checked and flow was verified using Panameteric unit set up to verify flow rates. Flow meter passed
4095332			Echo Bay Wastewater Treatment Plant & Collection System	CALL	Refurbish/ Replace/Repair	0		5058 Echo Bay WWT. Lake street false alarm	CLOSE		8/23/24 06:45 AM	8/23/24 08:00 AM	- Alarm call received from ATS Zone 2 alarm. Looked at trends an all levels normal. Pump cycling normal. Alarm call received from ATS. Zone 2 alarm. Checked trends and cannot see anything that indicates an issue. Residual normal a turbidity normal. Plant not making water.

Workorder Summary Report

 Report Start Date: Jan 1, 2024 12:00 AM
 Report End Date: Dec 31, 2024 11:59 PM
 Location: 5058*
 Work Order Type: All Workorder Type
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				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
4095868			Echo Bay Wastewater Treatment Plant & Collection System	CALL	Refurbish/ Replace/Repair	0		5058 Echo Bay WWT. environmental pump station low level alarm	CLOSE		8/25/24 03:45 PM	8/25/24 06:30 PM	- Low level alarm at environmental pump station. Checked wet well and pumps were off but it had pumped down to the bottom. Float may have gotten stuck. Looks ok now. Cleared alarms.
4096487	0000296609	METER LEVEL SPS#1 CHURCH ST PS	5058, Echo Bay WWTP	CALL	Refurbish/ Replace/Repair	0		5058 - Echo Bay STP	CLOSE		8/30/24 03:00 AM	8/30/24 05:00 AM	-Operator David Ma called at approx 3:30 needing assistance with Chuch St Lift Station, the problem was likely the station had lost communication with SCADA, I instructed him on how to reset the SPS-1 breaker on the MCC at Plant. Station began communicating and pump cycle returned to normal
4141325			Echo Bay Wastewater Treatment Plant & Collection System	CALL	Refurbish/ Replace/Repair	0		5058 Echo Bay Pump 1 State Discrepancy Alarm	CLOSE		8/30/24 02:30 AM	8/30/24 05:42 AM	- Church street pump station SP1 state discrepancy alarm. Both SP1 and SP3 showed that they were pumping down. Level was 1.56 m. Trends showed level was 1.60 m at 6:43 pm yesterday and wasn't decreasing. Output command for SP1 was not green. Set pump 1 to hand on SCADA and tried to turn it off but it won't. Pump 1 will not turn off on panel either. Reset breaker for church street lift station. Level is now reading correctly. All pumps set to auto.
4113438	0000296601	PANEL CONTROL ALLEN BRADLEY PANELVIEW 600	5058, Echo Bay WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5058	CLOSE	9/1/24 12:00 AM	9/10/24 12:22 PM	9/10/24 12:22 PM	- Critical Alarm dialer test complete and logged. Tested multiple alarms at Plant. Alarm monitoring service called quickly as required

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4118045			5058, Echo Bay WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5058	CLOSE	9/1/24 12:00 AM	9/5/24 12:02 PM	9/5/24 12:02 PM	- WISKI reviewed for month, all data entered and correct. No issues found.
4141327		Echo Bay Wastewater Treatment Plant & Collection System		CALL	Refurbish/ Replace/Repair	0		5058 Echo Bay WWTP High Equalization Tank	CLOSE		9/1/24 05:00 AM	9/1/24 07:00 AM	- Church street Pump 1 state discrepancy alarm. Trends showed level flatlined at approximately 1.54 m on the 30th. Turned all pumps to manual to prepare for reset. High equalization tank alarm. Level was 2.02 m. Equalization tank appeared to have a mat of sludge, grit, and rags floating on top. Used shovel to clear away obstruction. Cleaned rags from level float. Equalization tank level is now reading 0.74 m. After clearing mat from equalization tank, level reading for church street returned to normal when going to reset lift station. Set all pumps back to auto.
4143027		Echo Bay Wastewater Treatment Plant & Collection System		CALL	Refurbish/ Replace/Repair	0		5058 Echo Bay STP - ATS panel issue alarm	CLOSE		9/7/24 05:30 PM	9/7/24 09:00 PM	- Call out for sewage/water alarm, arrived at Plant, alarm active on ATS panel, checked SCADA and trends, no issues with WTP or STP.
4143407		Echo Bay Wastewater Treatment Plant & Collection System		EMER	Refurbish/ Replace/Repair	0		5058 Echo Bay STP - Surface Skimmer pipe repair	CLOSE		9/11/24 02:39 PM	9/17/24 11:58 AM	- Broken section of surface skimmer pipe, broken at union on Primary Clarifier 2. Repair clamp to be installed - Repaired skimmer pipe with repair clamp

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4145294			Echo Bay Wastewater Treatment Plant & Collection System	CALL	Refurbish/ Replace/Repair	0		5058 Echo Bay Zone 3 Alarm	CLOSE		9/16/24 11:07 PM	9/17/24 01:10 AM	- Received call from ATS alarms at 11:07 for zone 3 water and wastewater alarm. Reviewed trends online and saw no issues. Performed general walkthrough at plant. No problems detected. No alarms present on SCADA. Alarm summary showed nothing out of the ordinary. Cleared and rearmed dialer panel.
4145296			Echo Bay Wastewater Treatment Plant & Collection System	CALL	Refurbish/ Replace/Repair	0		5058 Echo Bay Zone 3 Water and Wastewater Alarm	CLOSE		9/17/24 10:43 PM	9/17/24 11:55 PM	- Received call from ATS alarms at 10:43 for zone 3 alarm. Performed general walkthrough at plant and noticed nothing wrong. No alarms on alarm summary out of the ordinary. Trends reviewed on wonderware. Disarmed and rearmed panel.
4163149	0000296601	PANEL CONTROL ALLEN BRADLEY PANELVIEW 600	5058, Echo Bay WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5058	COMP	10/1/24 12:00 AM	12/17/24 11:57 AM	12/17/24 11:57 AM	- Critical Alarm dialer test complete. Tested multiple alarms at Plant, ATS called quickly as required.
4168489			5058, Echo Bay WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5058	CLOSE	10/1/24 12:00 AM	10/17/24 12:41 PM	10/17/24 12:41 PM	
4176424			5058, Echo Bay WWTP	PM	Inspection	3	MONTHS	Gear Drive/Blower Motor Ultrasonic Inspection (3m) 5058	COMP	10/1/24 12:00 AM	12/20/24 01:34 PM	12/20/24 01:34 PM	- Gear drive and blower inspection complete.
4194965			Echo Bay Wastewater Treatment Plant & Collection System	PM	Predictive Maintenance	0		5058 Echo Bay STP - Sewer Flushing	CLOSE		10/18/24 12:10 PM	10/28/24 10:45 AM	- Vac truck scheduled for Monday October 25, 2024 -GFL onsite to flush sewers. completed entire section west of hwy 17b and all of Bay st including Lake st lift station

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WO #	Asset ID	Asset Description	Location Description	Type	Class	FEQ	Units	Work Order Description	Status	Schedule Start	Actual Start	Actual Finsh	WorkLog Detail
4195180	0000296581	METER FLOW SECONDARY EFFLUENT	5058, Echo Bay WWTP	PM	Calibration	1	YEARS	Meter Flow Sec. Effluent Calibration (1y) 5058	CLOSE	12/20/24 12:00 AM	10/24/24 01:31 PM	10/24/24 01:31 PM	- Partial flume was measured and reading correctly was checked and flow was verified using Flow chart and recording device were similar in values.
4195683			Echo Bay Wastewater Treatment Plant & Collection System	PM	Refurbish/Replace/Repair	0		5058 Echo Bay STP - Greasing RBC bearings	COMP		10/22/24 10:46 AM	12/20/24 09:37 AM	- Greasing pillow block bearings on all 3 RBCs
4196823			Echo Bay Wastewater Treatment Plant & Collection System	OPER	Refurbish/Replace/Repair	0		5058 Echo Bay STP - Sludge Haul	COMP		10/28/24 12:53 PM	12/20/24 09:37 AM	- Hauling sludge from Echo Bay STP to Hilton Beach landfill
4211750	0000296601	PANEL CONTROL ALLEN BRADLEY PANELVIEW 600	5058, Echo Bay WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5058	COMP	11/1/24 12:00 AM	12/17/24 12:01 PM	12/17/24 12:01 PM	- Critical Alarm dialer test complete. Tested multiple alarms at Plant, ATS called quickly as required.
4215407			5058, Echo Bay WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5058	COMP	11/1/24 12:00 AM	12/4/24 02:11 PM	12/4/24 02:11 PM	- WISKI reviewed for month, all data entered and correct. No issues found.
4229069	0000296616	TANK 01 MIXING RBC	5058, Echo Bay WWTP	PM	Refurbish/Replace/Repair	1	YEARS	Tank RBC 1 Insp/Service (1y) 5058	COMP	11/1/24 12:00 AM	12/20/24 01:30 PM	12/20/24 01:30 PM	- RBC inspection complete, no issues found with motors, gearboxes, bearings, fins or housing/tank
4229072	0000296617	TANK 02 MIXING RBC	5058, Echo Bay WWTP	PM	Refurbish/Replace/Repair	1	YEARS	Tank RBC 2 Insp/Service (1y) 5058	COMP	11/1/24 12:00 AM	12/20/24 01:31 PM	12/20/24 01:31 PM	- RBC inspection complete, no issues found with motors, gearboxes, bearings, fins or housing/tank
4229075	0000296618	TANK 03 MIXING RBC	5058, Echo Bay WWTP	PM	Refurbish/Replace/Repair	1	YEARS	Tank RBC 3 Insp/Service (1y) 5058	COMP	11/1/24 12:00 AM	12/20/24 01:31 PM	12/20/24 01:31 PM	- RBC inspection complete, no issues found with motors, gearboxes, bearings, fins or housing/tank
4254009	0000296601	PANEL CONTROL ALLEN BRADLEY PANELVIEW 600	5058, Echo Bay WWTP	PM	Inspection	1	MONTHS	Critical Alarm/Dialer Testing (1m) 5058	COMP	12/1/24 12:00 AM	12/17/24 12:00 PM	12/17/24 12:00 PM	- Critical Alarm dialer test complete. Tested multiple alarms at Plant, ATS called quickly as required.

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4257563			5058, Echo Bay WWTP	OPER	Compliance	1	MONTHS	WISKI Review (1m) 5058	COMP	12/1/24 12:00 AM	12/4/24 02:07 PM	12/4/24 02:07 PM	- WISKI reviewed for month, all data entered and correct. No issues found.
4280057			Echo Bay Wastewater Treatment Plant & Collection System	CALL	Refurbish/ Replace/Repair	0		5058 Echo Bay SPS Alarm	COMP		12/21/24 05:30 AM	12/21/24 05:45 AM	- Received ATS alarm for high level SPS. Viewed trends and can not see issue. Pump is working. ATS stated was restored. Checked L/S to verify and see no issues
4280542			Echo Bay Wastewater Treatment Plant & Collection System	CALL	Compliance	0		5058 Echo Bay STP - SPS alarm ORO	COMP		12/21/24 05:00 AM	12/21/24 06:00 AM	- Instructed OIT Mike Elliott to review trends and confirm communication and level at Lake and Church St. SPS. Suggested he visit the stations in person to ensure level ok and proper operation