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HULL WATER POLLUTION CONTROL FACILITY

October 2022

### MONTHLY OPERATING REPORT



NPDES NO. MA0101231

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### **1 EXECUTIVE SUMMARY**

## This Monthly Operating Report provides a summary of the pertinent information and activities that occurred at Hull WPCF during the month of October 2022.

- No lost-time incidents for the month of October
- Continuing Covid-19 awareness- adhering to W&C, Town of Hull, and CDC guidelines and sharing any updates.
- There were 148 effluent samples taken in the month of October- details on page 11.
- There were no alarm calls afterhours that required a response by W&C staff.
- There was one odor complaint in October.
- The Asset Management Accounts summaries for contract year #8 is attached. Latest revision date: 11/1/22.
- There was one E-One grinder pump call in October.
- W&C's O&M continued its efforts to support the various ongoing engineering projects and upgrades at the plant- see the projects section.
- The weekly Bio Bot Covid-19 wastewater sampling & monitoring program continued with W&C staff assisting Brian Kiley of the HSD when needed.

*Mike Sullivan – Plant Manager Town of Hull WPCF 12/7/2022* 

Woodard & Curran strives to deliver a high-quality operations service and is responsive to our customers concerns. Please feel free to request any modifications to the format or content of this report.

### 2 FLOWS AND LOADINGS

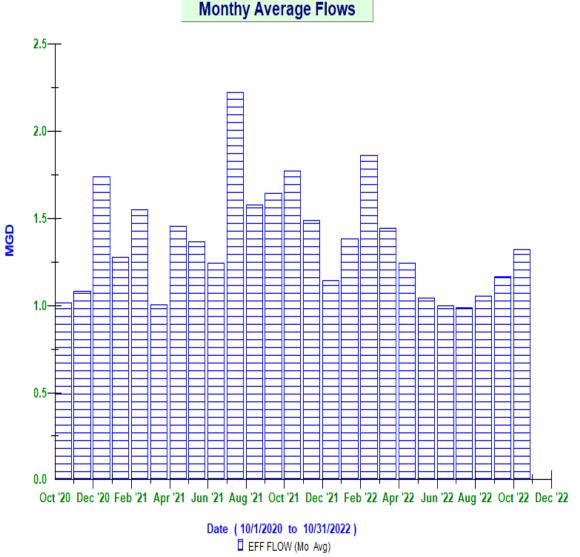


#### Average Daily Flows and Loadings for October

Month / Year	Eff Flow	Inf Flow	Inf BOD	Inf TSS	Eff BOD	EFF TSS
Wonut / Tear	MGD	MDG	LBS	LBS	LBS	LBS
Oct '20	1.02	*	1,919.87	2,800.66	97.64	157.17
Oct '21	1.77	1.75	3,216.53	5 <mark>,8</mark> 65.58	80.03	186.27
Oct '22	1.32	*	1,243.39	2,242.98	42.79	142.74

\* On-Going -the existing influent flow meters are strap-on doppler flow meters, and the existing pipe condition prevents getting a strong signal. An area velocity meter in the aeration tank inlet channel is used as well as the headworks influent Parshall Flume meter to monitor influent flows. All reported loadings are based on the effluent flow meter [new mag meter April 2021]. All meters are tied into the Scada system so that influent flows can be monitored.

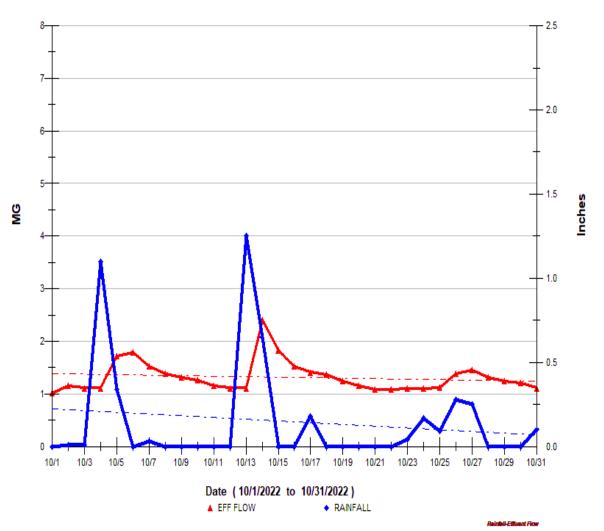
The monthly average flow for October was 1.04 MGD, slightly less than 1.17 MGD in September. Total precipitation for October was 4.86 inches, more than September' s 2.99 inches, but still no impact on plant flow, due to the somewhat dry conditions. The graph shows the 2-plus year summary of the monthly average flows.



Monthy Average Flows

### B. TWO MONTH SUMMARY OF RAINFALL AND THE INFLUENCE ON EFFLUENT FLOWS

This graph shows the days where precipitation occurred [rainfall] [Blue Peaks].



#### **Rainfall and Effluent Flow**

Hull Water Pollution Control Facility Monthly Operating Report

### **3 COMPLIANCE**



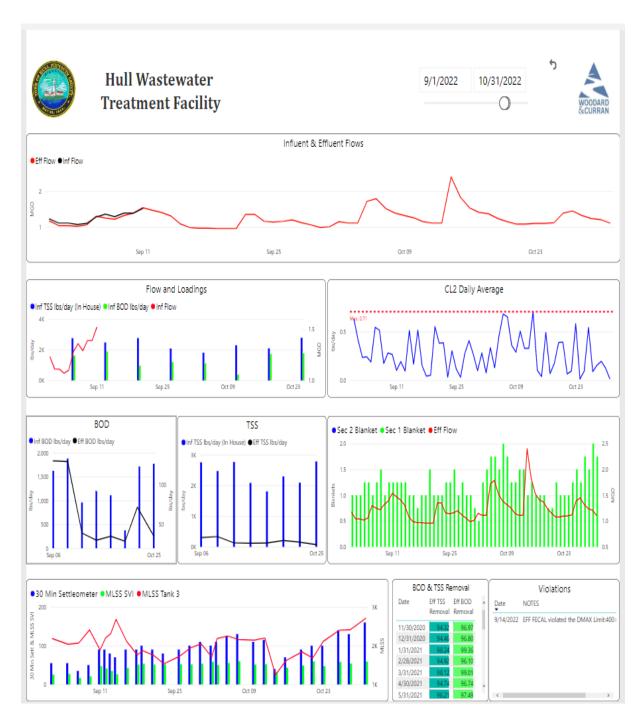
#### Plant Effluent

• The plant process conditions in early October were well improved after some problems in early September. The turbidity levels (NTU) seen were back to 8-12 NTU consistently- as the tank configuration for process was changed early in late September.

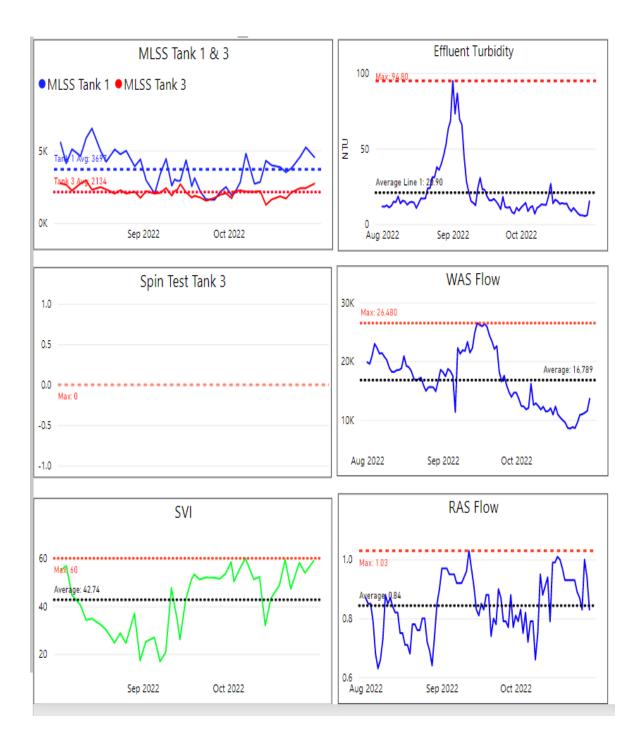


Monthly Process Summary graphs from power BI: September- October 2022.

Hull Water Pollution Control Facility Monthly Operating Report



2-month period ending on 10/31/22.



#### Additional Power BI Graphs showing trends of various processes – September- October 2022

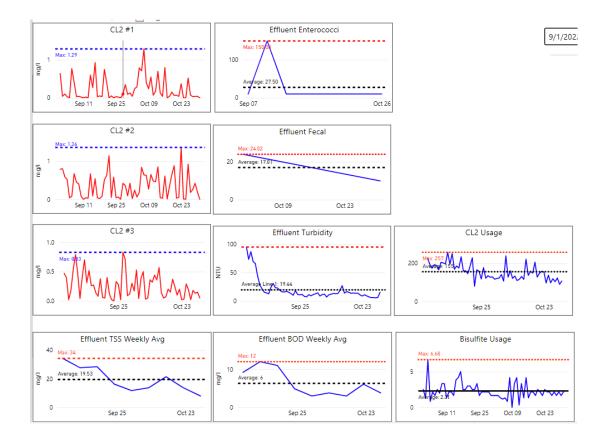
### **4 KEY PERFORMANCE INDICATORS**



	Parameter Info			Permi	t Requirer	nents		Results				
Parameter	Hach WIMS Variable #	Units	Daily Max	Daily Min	Weekly Avg Max	Monthly Avg Max	Freq	Period Avg	Period Min	Period Max	# of Samples	# of Violations
EffTSS	104 / 999081	MG/L	50		45	30	1 X Week	14.3	8.0	21.5	4	0
Eff TSS	184	LBS			1152	768	1 X Week	142.7	74.7	206.2	4	0
% TSS Rem	208	%		85			1 X Month		93.8		1	0
Eff BOD	108	MG/L	50		45	30	1 X Week	4.2	3.0	6.1	4	0
Eff BOD	185	LBS			1152	768	1 X Week	42.8	28.8	71.7	4	0
% BOD Rem	207	%		85			1 X Month		96.7	-	1	0
Eff Chlorine	142	MG/L	1			0.7	3 X Day	0.28	0.01	0.71	93	0
Eff Fecal	111	#/100 ML	260			88	1 X Week	10.0	10.0	10.0	4	0
Eff pH	136	SU	8.5	6.5			1X Daily	6.7	6.5	6.9	31	0
Enterococci	255	#/100 ML	276			35	1 X Week	10	10	10	4	0
									Tot	als	148	0

There were 148 effluent samples taken in October.

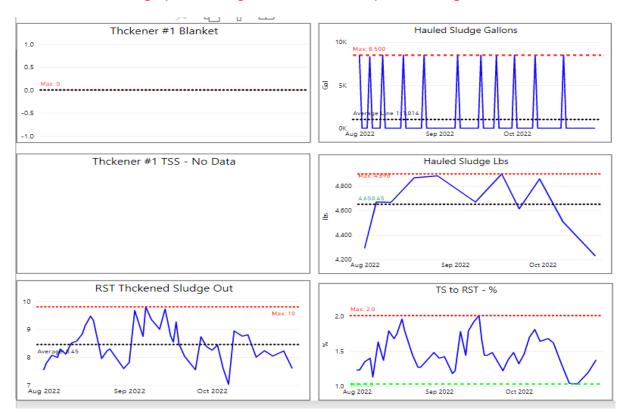
#### **EFFLUENT COMPLIANCE POWER BI GRAPHS**



Quality of the effluent was satisfactory, but the turbidity trended higher early in month, and trended back to normal after the change to the Plug Flow process.

#### Sewage Gallons Treated vs Sludge Disposed

Month	Effluent Treated, MG	Sludge Disposed, Gals
October 2020	31.52	25,500
October 2021	54.91	68,500
October 2022	40.88	17,000

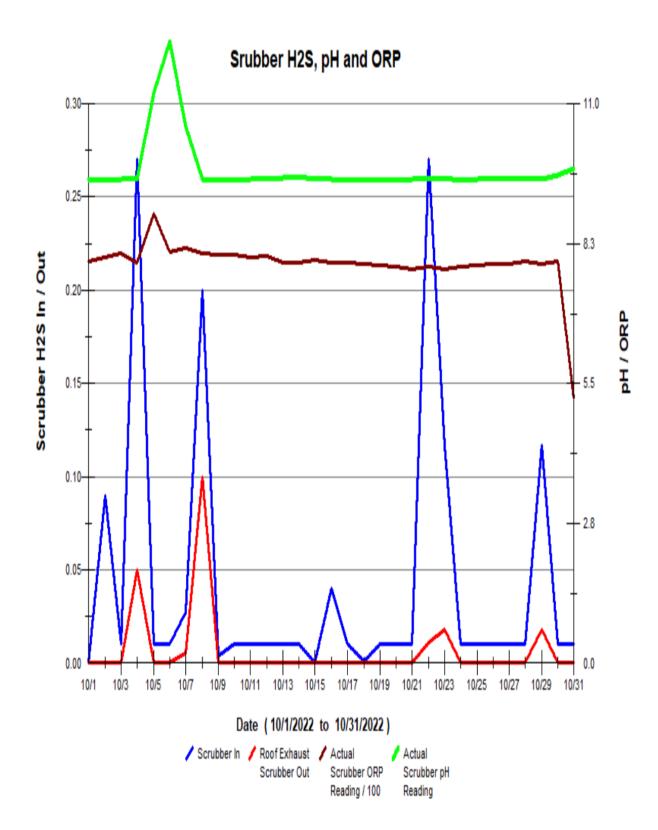


#### Additional Power BI graphs for sludge solids for 3-month period ending 10/31/22

There was one odor complaint call received on October 26th, which W&C and HSD staff also noted, over by the yacht club area on Nantasket Avenue. Collection system H2S levels were still high due to continuing low flows, higher loading, and some rather warm fall weather. However, with the cooler fall weather the Bioxide feed rates had been lowered, contributing to the odors detected.

The Bioxide system was on, and the feed rates were raised up to meet the higher hydrogen sulfide (H2S) generation in the system, as necessary. The changes and adjustments were made according to data seen at Nantasket/Water MH and XYZ/Nantasket MH. Warm fall temperatures and lower flows were still having a significant impact on H2S formation in the collection system. The monthly graphs are attached below, the daily average Bioxide use for October was 116 gallons per day.

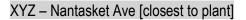
- The "In-Pipe" bacteria containers in collection system were changed out on October 6th & 20th
- <u>Slight changes</u> Hydrogen sulfide (H2S) monitoring units were recording and trending on the odor scrubber. [inlet and outlet]. Increased scrubber fan speed slightly. See graph below



#### Pictured below:

Scrubber trend and trending graphs for H2S levels recorded from the vapor link system cellular at XYZ Street/Nantasket Ave and Nantasket Ave/Water Street manholes.

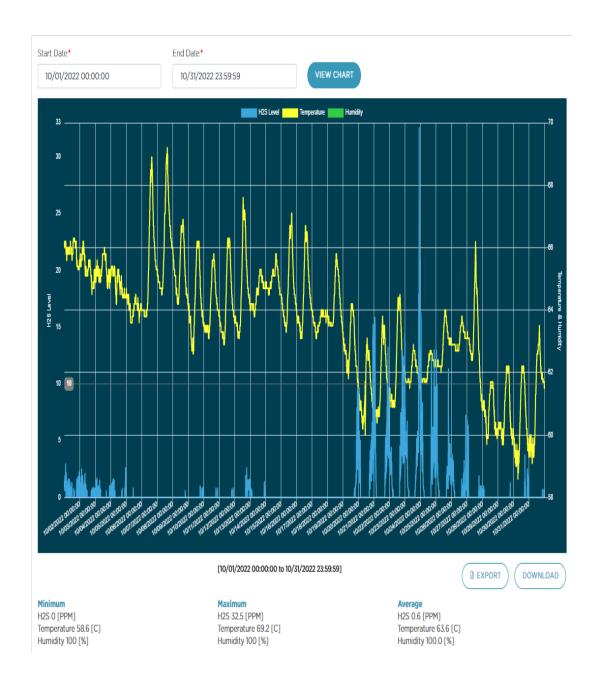




The odor data logging unit at XYZ monitoring the overall H2S levels close to the plant. From the graph, the daily pattern of H2S levels see a rise in the mid-afternoon until late evening/early AM.

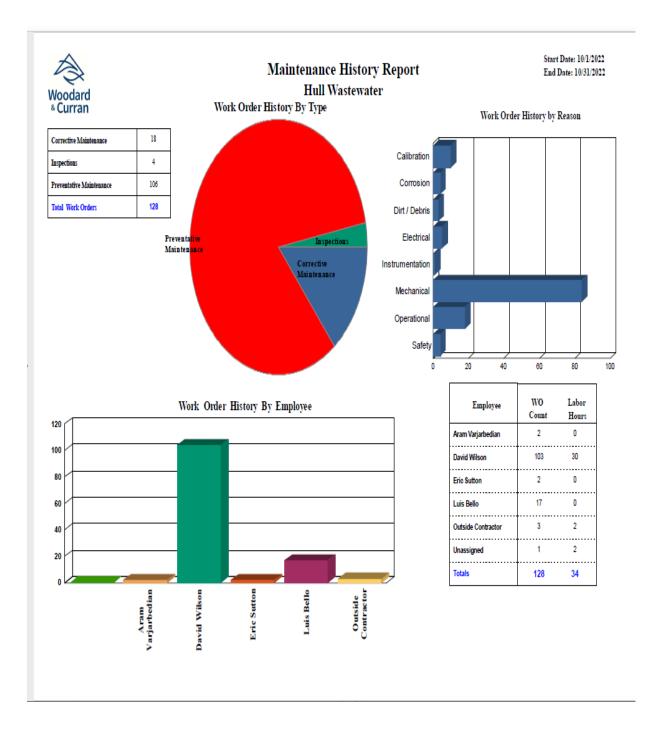
#### Nantasket Ave/Water Street [at end of PS 3 force main and PS 4 discharge]

Pump station #3 - H2S is monitored at the end of the force main at the MH at Nantasket Ave & Water Street. Bioxide is added to allow excess nitrate in the sewage system to treat the additional H2S added from other parts the system – such as PS #4, contributions from lines feeding the interceptor - PS #5, PS #6, PS #9, Spinnaker Island, etc., all the way to the wastewater plant.



Hull Water Pollution Control Facility Monthly Operating Report

### **6 MAINTENANCE SUMMARY**



#### A. TASKS COMPLETED THIS MONTH

The SEMS monthly work order summary for October is attached for review.

Additional key items of note are listed below:

- A newly rebuilt RAS #2 pump was installed on October 7<sup>th</sup>- Sea Coast came later to install the new cartridge style mechanical seals that use a tank to supply distilled water.
- Gravity Thickener #1 was readied for winter duty, which required a Confined Space Entry permit. The rotating assembly was found to be missing some hardware was updated, which lead to misalignment issues, stainless steel, the rotation re-aligned, and a new motor was installed and wired in by Hi-Voltage Electric.
- A new influent #1 pump was installed, wired in, the impeller height adjusted, and was put in service.
- D&C Construction installed a new steel door and frame at Pump Station D.
- On October 25 & 26 South Shore Generator did minor Preventative Maintenance (PMs) on all the 2 plant and all pump station emergency generators.
- A factory rebuilt control keypad for the de-ragger system at Pump Station #3 was installed.
- Riley Brothers Construction was onsite 10/22 and to repair the sidewalks that were torn out for the installation of the natural gas line into plant from Nantasket Avenue.
- The Chevy 2500 truck went to Frederickson's of Norwell for its annual snowplow service and any necessary repairs for the coming snow season.

#### B. ASSET MANAGEMENT ACCOUNTS

• Please see the attached summary totals and planned expenditures for the Asset Management accounts for contract year (8). Most recent through 11/1/22



It is Woodard & Curran's policy to maintain a safe and healthy work environment for every employee and to comply with all applicable occupational health & safety regulations.

- No lost time incidents reported for October.
- Monthly PM's emergency eyewash and shower inspections, fire extinguishers, and emergency lighting inspections completed.
- Monthly calibrations were performed on all MX4 & Max XT11 gas meters.
- On-going Covid-19 Pandemic awareness with daily review and as needed. Keeping in daily contact with all contractors regarding Hull and W&C covid-19 protocols. W&C's Pure Safety topic for October was bloodborne pathogens.
- On October 25 & 26 Hull hosted W&C's annual training on Hazard Awareness & Confined Space Entry.
- The monthly W&C staff safety meeting was held on 10/27. Topics discussed were hard hats, power tool use, carbon monoxide, and a review of W&C's Lessons Learned from October.
- W&C's monthly safety inspection checklist for the plant was completed.

### 6 STAFF DEVELOPMENT

Training is an important part of any operation to ensure employee health and safety is assured, quality standards are supported, staff skills are improved, career opportunities become available, and higher productivity is achieved.

Listed is a general outline of training that the staff received over the course of the month:

- All staff completed W&C's Pure Safety training and the monthly safety meeting was held on October 27 Topics discussed were hard hats, power tool use, carbon monoxide, and reviewing the "near-miss" incidents occurring at all the W&C projects in September.
- Regular, usually daily, operational updates and process control discussions, pump station operations, Dig Safes, and the HVAC construction project work scope ongoing at the plant. Daily safety briefings and Covid-19 protocol updates if necessary.

#### Staffing related items:

- Plant continued to have Sunday coverage supplemented with part-time staffer Roger Boltrushek in addition to Aram and Mike.
- O&M Specialists Paul Horigan and Jody St George continue to assist as needed with plant O&M projects.
- Mike Sullivan went to San Antonio, TX October 11-14th for Woodard & Curran's annual O&M Conference.

### **7 COLLECTION SYSTEM**

#### A. WET WELL CLEANING

The actual schedule for wet well cleaning: May 2022 to April 2023:

(X-Cleaned) - (Orange – Inspected) - (Green – See notes) - (blank – no work done)

				Pump	Station			
Frequency of cleaning	A	1	3	4	5	6	9	D
May, 2022								
June, 2022	Х			Х				
July, 2022								
Aug., 2022								
Sept. 2022								
Oct.,2022								
Nov, 2022								
Dec., 2023								
Jan., 2023								
Feb., 2023								
March 2023								
April 2023								

All pump stations except for Pump Station 3 and Station D have an aerator/mixer in the wet wells.

#### **B. COLLECTION SYSTEM MAINTENANCE**

Collection system work is being documented and tracked in Utility Cloud [UC] and a summarized report for October has been included as an attachment with the Monthly Operating Report.

Woodard & Curran assisted/conducted camera work and sewer system support in the Hull collection system at the following areas during the month of October:

4 Arthor Street, Gallups Hill Road, Bluff Road @ Breaker Lane, Douglas Avenue, and 1149-1165 Nantasket Avenue.

#### Ongoing backup and blockage call outs requiring an increase in labor and time to support.

#### Below summarizes W&C's efforts at the various call out locations.

- There was one call for E-One Grinder pump service see UC summary. The unit's cover was damaged when a vehicle drove over it. However, W&C staff noted some damage to the electrical wiring which will likely lead to other problems. The homeowner was advised to have a qualified electrician do the repairs and let the Sewer Department know when repair is done for inspection.
- Pump station emergency generator testing consists of weekly no load runs and monthly loaded runs.
- All Pump station wet wells were inspected in October- monthly inspections are completed and combined with the monthly station PM's.
- Upload new/updated tie-cards to the UC as required.
- Dig-Safe mark outs are completed throughout the Town of Hull as needed to assist and facilitate scheduled and emergency gas repairs, broken water mains, roadway paving projects, and other residential and town projects. All are listed in the UC summary.



Hull Water Pollution Control Facility Monthly Operating Report

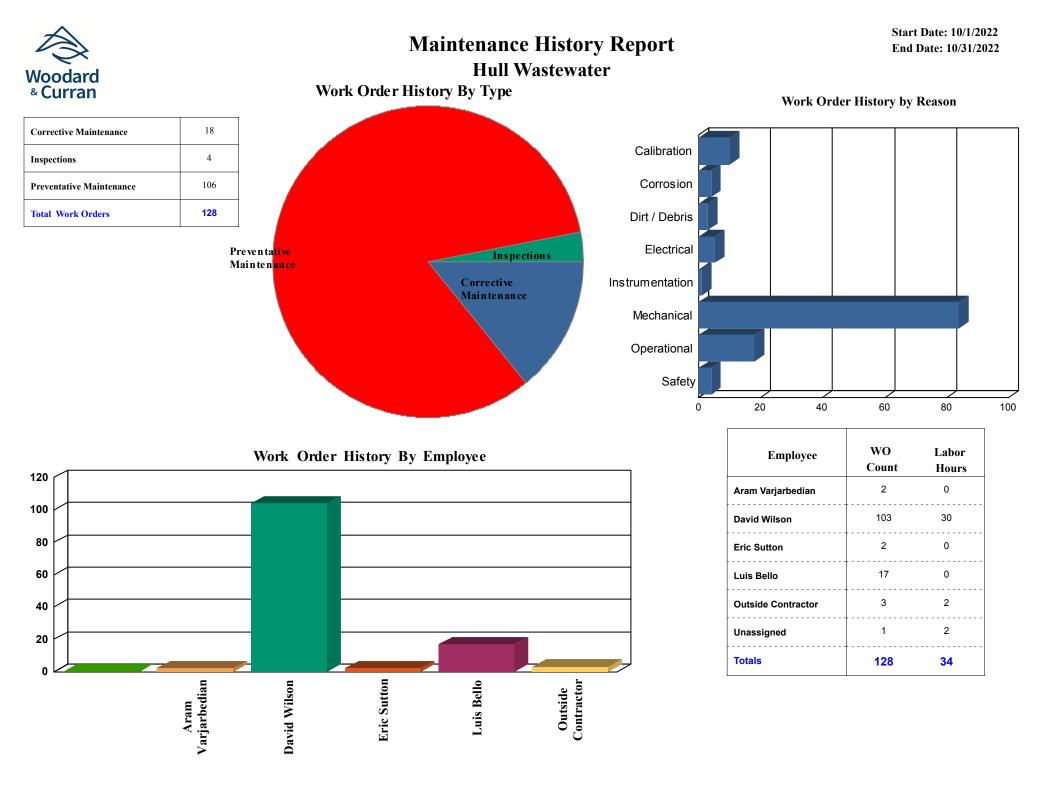
### **8 PROJECT MANAGEMENT & ADMINISTRATION**



#### A. ON-GOING PROJECTS AND SUPPORT ITEMS

#### October updates:

- Ongoing construction work continued in many areas of the operations building for the Phase 1 HVAC project. W&C staff work closely with the contractors- moving equipment & items as needed in the working areas to allow for the renovation work to continue. W&C staff check in with the general contractor supervisor daily and attend the monthly meeting with Tighe & Bond and all the project sub-contractors.
- A Tecta roofing rep was onsite to assess the roof conditions and discuss the PM contract for the coming year.
- Mike S. and Aram V. continue to meet weekly with John S. and Brian K. to discuss Sewer Department operations, any treatment plant issues, the collection system, and any upcoming projects.



#### **Corrective Maintenance**

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/5/22	16763	PS D Pump 2	Diagnose pump not running	Inspected VFD and found drive fault U1. Turned off HOA switch and isolated VFD. Reenergized circuit and checked for faults. None. Switched HOA to Auto. Drive started and observed for five minutes without issue.	David Wilson	10/5/22	Completed
10/6/22	16764	RAS Pump 1	Diagnose low output	LOTO of RAS pump 1. Seperated pump from volute. Cleaned out debris from impeller and volute. Reassembled. Removed cover from check valve. Removed debris from disc. Reassembled and returned to service. Output at 38hZ was .58mgd and is now 1.1mgd. Lowered frequency to 36hZ and output is about .96mgd.	David Wilson	10/6/22	Completed
10/7/22	16766	RAS Pump 2	Repair volute threads and fit test gasket.	Drilled and tapped two bores to accept time certs. Installed time certs. Installed pump with custom gasket. Inner diameter cut too small. Removed pump and gasket to open inner diameter. Reinstalled pump to check fitment.	David Wilson	10/7/22	Completed
10/7/22	16765	RAS Pump 2	Assemble and wire RAS pump 2.	Installed pump assembly. Set impeller height. Installed motor. Installed coupling. Wired motor and tested rotation. Installed buffer tank lines. Locally isolated for Seacoast to set seal.	David Wilson	10/7/22	Completed
10/7/22	16767	Odor Control Wet Scrubber Vessel	Replace failed sensor	Sensor failed to calibrate. Cleaned sensor face and tried again. Failed. Installed new salt bridge and calibrated. Fails to scale at lower pH levels. (Buffer pH 7) Replaced sensor and tested calibration. Good	David Wilson	10/7/22	Completed
10/10/22	16768	RAS Pump 2	Install new spider coupling	Failing upper pump bearing caused excessive heat and coupling to wear prematurely. Verified electrical isolation. Removed old coupling and and installed a new one.	David Wilson	10/10/22	Completed
10/10/22		RAS Pump 1	Diagnose low output (.5mgd)	LOTO of RAS pump 1. Seperated pump from volute. Removed debris from impeller and volute. Removed check valve cover and removed debris from disc. Reassembled pump and valve. Bled out air and returned to service. From .5mgd to .9mgd output	David Wilson	10/10/22	Completed
10/10/22	16770	Gravity Thickener 1	Replace failed hardware on rotating assembly	CSE into Gravity Thickener 1. Previous entry for annual inspection and cleaning. Found hardware concern on main structure and some loose washers and nuts. Verified torque on all hardware. 3/4 316SS threaded rod loose. Missing washers, nut and loose. Removed and installed new	David Wilson	10/10/22	Completed

hardware.

#### **Corrective Maintenance**

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/11/22	16771	PS Onan Trailer mounted generator	Diagnose low operating RPM	Operational test of generator for loaded run at Straits Pond. After about 10 minutes of run time RPMs dropped from 1800 to 950. High engine temp indicator lit up. Shut down generator and inspected all motor connections. Treated with battery terminal cleaner and protection. Located temp sensor. Engine coolant temperature sensor without head temperature sensor. Inspected wiring. Excessive corrosion causing circuit resistance. Replaced flag terminals and taped over to keep out moisture. Reset faults and test ran generator. Brought up to operating temp and verified function.	David Wilson	10/11/22	Completed
10/12/22	16773	RST unit	Diagnose abnormal noise.	Inspected rotating assembly. Found a failed drum wheel. Replaced wheel. Inspected drive chain. Stretched 2.5 inches. Checking side deflection caused chain to break. Replaced drive chain and masterlink. Set chain deflection to 5/8. Cleaned adjuster bolt. Returned to service.	David Wilson	10/12/22	Completed
10/13/22	16774	Influent Pump 5	Replace drive coupling.	Follow up work from monthly inspection. LOTO of Influent pump 5. Set up hoisting gear and separated motor from stand. Removed coupling and cleaned hubs. Installed new coupling and aligned motor. Installed mounting hardware. Cleaned pump assembly and installed guards. Returned to service. Operation tested as good.	David Wilson	10/13/22	Completed
10/16/22	16776	Operations Building	Sanded, primed, and painted garage door header.	LB sanded and primed header door, JT and MS painted header door to prevent corrosion.		10/16/22	Completed
10/17/22	16775	Portable Diesel Pump 6B Thompson 6" 900 - 1000 gpm	Diagnose engine shutdown (Aux 1 fault)	Measured 15.2vdc @2000rpm. Control panel opens circuit at 15.2vdc causing Auxiliary circuit 1 shutdown fault. Isolated battery. Removed alternator. Recently rebuilt alternator had a regulator that shunted at 14.9vdc instead of 14.4. Replaced regulator and installed. Returned to service.	David Wilson	10/17/22	Completed
10/20/22	16777	Gravity Thickener 1	motor failed	HiVoltage Assoc replaced failed expl proof motor and install union on conduit. Test run ok.	Outside Contractor	10/20/22	Completed
10/20/22	16778	Truck 2 - 2009 Chevy 2500 HD	Diagnose CEL Cyl 6 misfire	Use reader to pull code. Located cylinder 6 and removed plug. Plug fouled from misfiring. Checked other plugs and found gap to be out of spec. Replaced all plugs. Inspected ignition wires and found intermittent continuity in socket. Replaced all wires and cleared engine code. Test drove without issues.	David Wilson	10/20/22	Completed
10/25/22	16779	Operations Building	Replace failed door handle.	Removed failed door handle. Installed new assembly	David Wilson	10/25/22	Completed
10/28/22	16780	Influent Pump 1	Install refurbished pump assembly.	Installed pump, motor stand and motor. Set impeller height, adjusted hubs and coupling. Wired motor and verified rotation. Set pump seal and repaired seal water supply. Returned to service. Ran for two hours without any issues.	David Wilson	10/28/22	Completed

#### **Corrective Maintenance**

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/28/22	16781	RAS Pump 2	Diagnose low output	Cleaned and inspected	David Wilson	10/28/22	Completed

#### Inspections

mopooti							
Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/10/22	16424	Blower Room Exhaust Fan 1	Monthly operational inspection		David Wilson	10/1/22	Completed
10/10/22	16425	Blower Room Exhaust Fan 2	Monthly operational inspection		David Wilson	10/1/22	Completed
10/12/22	16772	PS Onan Trailer mounted generator	Load test at DPW facility on Straits Pond bridge.	DW/AV/ES met up at facility with John Struziary and High Voltage Electrical. Verified connections and applied loads. Good overall. Shut down generator and brought back to plant.	David Wilson	10/12/22	Completed
10/17/22	16288	Emergency Lighting & exit signs	Emergency Lighting Inspection - Monthly		Luis Bello	10/12/22	Completed

Fievenic							
Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/3/22	16374	PS Kholer Trailer Mounted Generator	Generator - Monthly Load Test		Luis Bello	10/2/22	Completed
10/3/22	16411	Generators "All Pump Station"	Generator - Monthly Load Test		Luis Bello	10/2/22	Completed
10/5/22	16369	GasAlert Max XTII #1	4 gas meter calibration - monthly		David Wilson	10/1/22	Completed
10/10/22	16321	RAS Pump 1	Monthly Check Pump Couplings		David Wilson	10/5/22	Completed
10/10/22	16322	RAS Pump 2	Monthly Check Pump Couplings		David Wilson	10/5/22	Completed
10/10/22	16323	RAS Pump 3	Monthly Check Pump Couplings		David Wilson	10/5/22	Completed
10/10/22	16341	PS 1 Generator	PS #1 Generator Inspection and Load Test - Monthly		David Wilson	10/5/22	Completed
10/10/22	16337	PS 1 Generator	PS #1 Generator Inspection and Test - Weekly		David Wilson	10/5/22	Completed
10/10/22	16342	PS 3 Generator	PS #3 Generator Inspection and Load Test - Monthly		David Wilson	10/5/22	Completed
10/10/22	16343	PS 3 Generator	PS #3 Generator Inspection and Test - Weekly		David Wilson	10/5/22	Completed
10/10/22	16351	PS 4 Generator	PS #4 Generator Inspection and Load Test - Monthly		David Wilson	10/5/22	Completed
10/10/22	16347	PS 4 Generator	PS #4 Generator Inspection and Test - Weekly		David Wilson	10/5/22	Completed
10/10/22	16352	PS 5 Generator	PS #5 Generator Inspection and Load Test - Monthly		David Wilson	10/5/22	Completed
10/10/22	16366	PS 6 Generator	PS #5 Generator Inspection and Load Test - Monthly		David Wilson	10/5/22	Completed
10/10/22	16353	PS 5 Generator	PS #5 Generator Inspection and Test - Weekly		David Wilson	10/5/22	Completed
10/10/22	16362	PS 6 Generator	PS #6 Generator Inspection and Test - Weekly		David Wilson	10/5/22	Completed

10/13/2216416All Plant Gear box reducersGEAR BOX MAINT - WEEKLYLuis Bello10/2/22Completed10/13/2216294Generator #1 - Emergency Kohier 750Generator Weekly - Test Run no loadDavid Wilson10/10/22Completed10/13/2216290Generator #2 - Backup Detroit 500Generator Weekly - Test Run no loadDavid Wilson10/10/22Completed10/13/2216412Generator #4 - Backup Detroit 500Generator Weekly - Test Run no loadEric Sutton10/10/22Completed10/13/2216412Generator Tailer Mounted GeneratorGenerator Weekly - Test Run no loadEric Sutton10/10/22Completed10/13/2216375PS Kholer Trailer Mounted GeneratorGenerator Weekly - Test Run no loadEric Sutton10/10/22Completed10/13/2216314Aeration Tank 1 Oxygen ProbeAT #1 DO Probe Clean and Calibrate - MonthlyCleaned and inspected LDO probe. No issues. Passed calibration. Offset - 56mg/1David Wilson10/4/22Completed10/13/2216315Aeration Tank 3 Oxygen ProbeAT #3 DO Probe Clean and Calibrate - MonthlyCleaned and inspected LDO probe. No issues. Passed calibration. Offset of -1.24mg/1David Wilson10/4/22Completed10/13/2216306Mechanical Screen & Washpress SystemMonthly MaintenanceDavid Wilson10/3/22Completed10/13/2216401High level floatsWeekly High Float Alarm testLuis Bello10/5/22Completed10/13/2216401High level floats <th>Status Date</th> <th>WO #</th> <th>Asset Name</th> <th>Work Description</th> <th>Work History Note</th> <th>Employee</th> <th>Schedule Date</th> <th>Status</th>	Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
101002   1058   P5 9 0 Generator Inspection and Test- Workly   Dote Wilson   1052   Completed     10102   1048   P6 P1 meter   Generator Inspection and Test- Workly   Dote Wilson   10102   Onter Wilson   10102   Completed     10102   1048   ORP meter   Generator Inspection - Northly   Dote Wilson   02022   Completed     10102   1012   Arration Blower 1   Arration Blower 1/ Air Filter Inspection - Northly   Dote Wilson   02022   Completed     10112   1012   Fortable Generator - Hondhy Load Test   Dote Wilson   02022   Completed     10112   1013   Generator - Hondhy Load Test   Dote Wilson   02022   Completed     10112   1013   Generator - Hondhy Load Test   Dote Wilson   02022   Completed     10112   1013   Generator - Konthy Load Test   Dote Wilson   02022   Completed     10112   1013   Generator - Konthy Load Test Non Kolad   Dote Wilson   01022   Completed     10112   Generator - Konthy Load Test Non Kolad   Generator - Konthy Load Test Non Kolad   Dote Wilson   01022   Completed <td< td=""><td>10/10/22</td><td>16357</td><td>PS 9 Generator</td><td>•</td><td></td><td>David Wilson</td><td>10/5/22</td><td>Completed</td></td<>	10/10/22	16357	PS 9 Generator	•		David Wilson	10/5/22	Completed
Normalized (NP meterGen and GalbrateGen and GalbrateGen and GalbrateGould Wilson91022Gound Wilson91022Gound Wilson91022Completed101021615Aeration Blower 12 Aration Blower	10/10/22	16358	PS 9 Generator			David Wilson	10/5/22	Completed
Number of the test of	10/10/22	16408	pH meter	Clean and Calibrate		David Wilson	10/1/22	Completed
Number of the state o	10/10/22	16241	ORP meter	Clean and Calibrate		David Wilson	9/10/22	Completed
1111212821Portable Generator - HondaDavid Wilson10/522Completed10111221628Generator #1 - Emergency Kohler 750Generator # - Monthly Load TestDavid Wilson10/222Completed10111221638Generator # - Emergency Kohler 750Generator # - Monthly Load TestDavid Wilson10/222Completed10111221638Generator # - Emergency Kohler 750Generator # - Emergency 	10/10/22	16153	Aeration Blower 2	Aeration Blower #2 Air Filter Inspection - Monthly		David Wilson	9/22/22	Completed
12122   1223   Cenerator #1 - Emergency Kohler 750   Generator #0 - Monthly Load Test 500   David Wilson   10/222   Completed 500     1011/122   1813   Generator #1 - Emergency Kohler 750   Generator Weekly - Test Run no load   Eric Suton   101022   Completed 101322     101322   1625   Seckup Detvici Kohler 750   Generator #1 - Emergency Kohler 750   Generator #1 - Em	10/10/22	16152	Aeration Blower 1	Aeration Blower #1 Air Filter Inspection - monthly		David Wilson	9/27/22	Completed
Kolter 750     Generator 742     Backup Detroit Solo     Generator 74     Backup Detroit Solo     Generator 74     Backup Detroit Solo     Generator 74     Completed Solo       1011/22     16133     Generator 74     Emerator 7	10/11/22	16281	Portable Generator - Honda	Portable Generator Inspection - Monthly		David Wilson	10/5/22	Completed
500   Sinter Fig   Generator Weekly - Test Run no load   David Wilson   9/26/22   Completed     10/11/22   16133   Generator #2 - Backup Detroit   Generator Weekly - Test Run no load   David Wilson   9/26/22   Completed     10/11/22   16490   ORP meter   Generator Weekly - Test Run no load   David Wilson   10/10/22   Completed     10/12/22   16490   ORP meter   Clean and Calibrate   David Wilson   10/10/22   Completed     10/12/22   16490   ORP meter   Clean and Calibrate   David Wilson   10/10/22   Completed     10/12/22   16490   APlant Generator #1- Banargency Kohler 750   Generator #1- Banargency Kohler 750   Generator #1- Banargency Kohler 750   Generator #2- Backup Detroit Generator #2- Backup Detroit Detroit Detroit Paragen Generator #2- B	10/11/22	16298		Generator - Monthly Load Test		David Wilson	10/2/22	Completed
Notine Table     Notine Table     Second Wilson     Second Wil	10/11/22	16289		Generator - Monthly Load Test		David Wilson	10/2/22	Completed
500 10/12/2216409ORP meterClean and CalibrateDavid Wilson10/10/22Completed10/12/2216408High level floatsWeekly High Float Alarm testLuis Bello10/2/22Completed10/13/2216416All Plant Gear box reducersGEAR BOX MAINT - WEEKLYLuis Bello10/10/22Completed10/13/2216299Generator #1 - Emregency Kniher 750Generator Weekly - Test Run no loadDavid Wilson10/10/22Completed10/13/2216290Generator #2 - Backup Detroit S00Generator Weekly - Test Run no loadDavid Wilson10/10/22Completed10/13/2216412Generator #2 - Backup Detroit S00Generator Weekly - Test Run no loadDavid Wilson10/10/22Completed10/13/2216412Generator #1 - Emregency Robier Trailer Mounted Generator Weekly - Test Run no loadEric Sutton10/10/22Completed10/13/2216412Generator #1 - Emregency Robier Trailer Mounted GeneratorGenerator Weekly - Test Run no loadEric Sutton10/10/22Completed10/13/2216315PS Kholer Trailer Mounted GeneratorGenerator Weekly - Test Run no loadPased calibration. Offset - 65mg/l10/10/22Completed10/13/2216315Aeraton Tank 1 Oxygen ProbeAT #1 DO Probe Clean and Calibrate - MonthlyCleaned and inspected LDO probe. No issues. Pased calibration. Offset of -1.24mg/lDavid Wilson10/4/22Completed10/13/2216315Aeration Tank 1 Oxygen ProbeAT #3 DO Probe Clean and Calibrate -	10/11/22	16133		Generator Weekly - Test Run no load		David Wilson	9/26/22	Completed
10/13/22   16400   High level floats   Weekly High Float Alarm test   Luis Bello   10/2/22   Completed     10/13/22   16416   All Plant Gear box reducers   GEAR BOX MAINT - WEEKLY   Luis Bello   10/2/22   Completed     10/13/22   16294   Generator #1 - Emergency Kohler 750   Generator Weekly - Test Run no load   David Wilson   10/10/22   Completed     10/13/22   16290   Generator #2 - Backup Detroit 500   Generator Weekly - Test Run no load   David Wilson   10/10/22   Completed     10/13/22   16412   Generators *All Pump Station*   Generator Weekly - Test Run no load   Eric Sutton   10/10/22   Completed     10/13/22   16412   Generators *All Pump Station*   Generator Weekly - Test Run no load   Eric Sutton   10/10/22   Completed     10/13/22   16414   Aeraton Tank 1 Oxygen Probe   AT #1 DO Probe Clean and Calibrate - Monthly   Cleaned and inspected LDO probe. No issues.   David Wilson   10/10/22   Completed     10/13/22   16315   Aeration Tank 3 Oxygen Probe   AT #1 DO Probe Clean and Calibrate - Monthly   Cleaned and inspected LD Oprobe. No issues.   David Wilson   10/10/22   Completed     10/13/22	10/11/22	16130	· ·	Generator Weekly - Test Run no load		David Wilson	9/26/22	Completed
10/13/2216416All Plant Gear box reducersGEAR BOX MAINT - WEEKLYLuis Bello10/2/22Completed10/13/2216294Generator #1 - Emergency SoloGenerator Weekly - Test Run no loadDavid Wilson10/10/22Completed10/13/2216290Generator #2 - Backup Detroit SoloGenerator Weekly - Test Run no loadDavid Wilson10/10/22Completed10/13/2216412Generator #2 - Backup Detroit SoloGenerator Weekly - Test Run no loadEric Sutton10/10/22Completed10/13/2216412Generator Weekly - Test Run no loadEric Sutton10/10/22Completed10/13/2216375PS Kholer Trailer Mounted GeneratorGenerator Weekly - Test Run no loadEric Sutton10/10/22Completed10/13/2216375PS Kholer Trailer Mounted GeneratorGenerator Weekly - Test Run no loadEric Sutton10/10/22Completed10/13/2216375PS Kholer Trailer Mounted GeneratorGenerator Weekly - Test Run no loadEric Sutton10/10/22Completed10/13/2216375A Fation Tank 1 Oxygen ProbeAT #1 DO Probe Clean and Calibrate - MonthlyCleaned and inspected LDO probe. No issues. Passed calibration. Offset - 56mg1David Wilson10/4/22Completed10/13/2216306Mechanical Screen & Washpress SystemMonthly MaintenanceDavid Wilson10/3/22Completed10/13/2216302Influent Sluice Isolation GateWeekly uperate through full rangeLuis Bello10/9/22Completed	10/12/22	16409	ORP meter	Clean and Calibrate		David Wilson	10/10/22	Completed
10/13/22   1629   Generator #1 - Emergency Kohler 750   Generator Weekly - Test Run no load   David Wilson   10/10/22   Completed     10/13/22   1620   Generator #2 - Backup Detroit 500   Generator Weekly - Test Run no load   David Wilson   10/10/22   Completed     10/13/22   16412   Generator #2 - Backup Detroit 500   Generator Weekly - Test Run no load   Eric Sutton   10/10/22   Completed     10/13/22   16412   Generator #2 - Backup Detroit 500   Generator Weekly - Test Run no load   Eric Sutton   10/10/22   Completed     10/13/22   16375   PS Kholer Trailer Mounted Generator   Generator Weekly - Test Run no load   Eric Sutton   10/10/22   Completed     10/13/22   16314   Aeration Tank 1 Oxygen Probe   AT #1 DO Probe Clean and Calibrate - Monthly   Cleaned and inspected LDO probe. No issues. Passed calibration. Offset - S6mg/l   David Wilson   10/4/22   Completed     10/13/22   16316   Aeration Tank 3 Oxygen Probe   AT #3 DO Probe Clean and Calibrate - Monthly   Cleaned and inspected LDO probe. No issues. Passed calibration. Offset of 1.24mg/l   David Wilson   10/4/22   Completed     10/13/22   16308   Mechanical Screen & Weshpress System   Monthily Maintenance   <	10/13/22	16400	High level floats	Weekly High Float Alarm test		Luis Bello	10/2/22	Completed
Nohler 750     Completed       10/13/2     1629     Generator #2 - Backup Detroi 500     Generator Weekly - Test Run no load     David Wilson     10/10/22     Completed       10/13/22     16412     Generators "All Pump Station"     Generator Weekly - Test Run no load     Eric Sutton     10/10/22     Completed       10/13/22     16375     PS Kholer Trailer Mounted Generator     Generator Weekly - Test Run no load     Eric Sutton     10/10/22     Completed       10/13/22     16375     PS Kholer Trailer Mounted Generator     Generator Weekly - Test Run no load     Cleaned and inspected LDO probe. No issues. Passed calibration. Offset - 56mg/l     David Wilson     10/4/22     Completed       10/13/22     16315     Aeration Tank 3 Oxygen Probe     AT #3 DO Probe Clean and Calibrate - Monthly     Cleaned and inspected LDO probe. No issues. Passed calibration. Offset - 56mg/l     David Wilson     10/4/22     Completed       10/13/22     1630     Mechanical Screen & Washpress System     Monthly Maintenance     Luis Bello     10/5/22     Completed       10/13/22     16401     High level floats     Weekly operate through full range     Luis Bello     10/9/22     Completed       10/13/22 <td>10/13/22</td> <td>16416</td> <td>All Plant Gear box reducers</td> <td>GEAR BOX MAINT - WEEKLY</td> <td></td> <td>Luis Bello</td> <td>10/2/22</td> <td>Completed</td>	10/13/22	16416	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY		Luis Bello	10/2/22	Completed
Solution Letting Letting   Solution   Eric Sutton   10/13/22   Completed     10/13/22   16412   Generators "All Pump Station"   Generator Weekly - Test Run no load   Eric Sutton   10/13/22   Completed     10/13/22   16375   PS Kholer Trailer Mounted Generator   Generator Weekly - Test Run no load   Eric Sutton   10/13/22   Completed     10/13/22   16314   Aeration Tank 1 Oxygen Probe   AT #1 DO Probe Clean and Calibrate - Monthly   Cleaned and inspected LDO probe. No issues. Passed calibration. Offset - 56mg/1   David Wilson   10/4/22   Completed     10/13/22   16315   Aeration Tank 3 Oxygen Probe   AT #3 DO Probe Clean and Calibrate - Monthly   Cleaned and inspected LDO probe. No issues. Passed calibration. Offset - 126mg/1   David Wilson   10/4/22   Completed     10/13/22   16306   Mechanical Screen & Washpress System   Monthly Maintenance   David Wilson   10/3/22   Completed     10/13/22   16302   Influent Sluice Isolation Gate   Weekly operate through full range   Luis Bello   10/3/22   Completed     10/13/22   16401   High level floats   Weekly High Float Alarm test   Luis Bello   10/9/22   Completed     10/13/22	10/13/22	16294		Generator Weekly - Test Run no load		David Wilson	10/10/22	Completed
10/13/2216375PS Kholer Trailer Mounted GeneratorGenerator Weekly - Test Run no loadEric Sutton10/10/22Completed Completed Passed calibration. Offset56mg/l10/13/2216314Aeration Tank 1 Oxygen ProbeAT #1 DO Probe Clean and Calibrate - MonthlyCleaned and inspected LDO probe. No issues. Passed calibration. Offset56mg/lDavid Wilson10/4/22Completed Completed Passed calibration. Offset of -1.24mg/l10/13/2216305Mechanical Screen & Washpress SystemMonthly MaintenanceDavid Wilson10/3/22Completed10/13/2216302Influent Sluice Isolation GateWeekly operate through full rangeLuis Bello10/5/22Completed10/13/2216401High level floatsWeekly High Float Alarm testLuis Bello10/9/22Completed10/13/2216307Influent Pump 1Monthly Check Pump CouplingsDavid Wilson10/5/22Completed10/13/2216308Influent Pump 2Monthly Check Pump CouplingsDavid Wilson10/5/22Completed	10/13/22	16290		Generator Weekly - Test Run no load		David Wilson	10/10/22	Completed
Generator   Generator   Device Vision   AT #1 DO Probe Clean and Calibrate - Monthly   Cleaned and inspected LDO probe. No issues. Passed calibration. Offset56mg/l   David Wilson   10/4/22   Completed     10/13/22   16315   Aeration Tank 3 Oxygen Probe   AT #3 DO Probe Clean and Calibrate - Monthly   Cleaned and inspected LDO probe. No issues. Passed calibration. Offset56mg/l   David Wilson   10/4/22   Completed     10/13/22   16306   Mechanical Screen & Washpress System   Monthly Maintenance   David Wilson   10/3/22   Completed     10/13/22   16302   Influent Sluice Isolation Gate   Weekly operate through full range   David Wilson   10/5/22   Completed     10/13/22   16401   High level floats   Weekly High Float Alarm test   Luis Bello   10/9/22   Completed     10/13/22   16401   High level floats   GEAR BOX MAINT - WEEKLY   Luis Bello   10/9/22   Completed     10/13/22   16307   Influent Pump 1   Monthly Check Pump Couplings   David Wilson   10/5/22   Completed     10/13/22   16308   Influent Pump 2   Monthly Check Pump Couplings   David Wilson   10/5/22   Completed	10/13/22	16412	Generators "All Pump Station"	Generator Weekly - Test Run no load		Eric Sutton	10/10/22	Completed
Passed calibration. Offset -56mg/l   David Wilson   10/4/22   Completed     10/13/22   16315   Aeration Tank 3 Oxygen Probe   AT #3 DO Probe Clean and Calibrate - Monthly   Cleaned and inspected LDO probe. No issues. Passed calibration. Offset of -1.24mg/l   David Wilson   10/4/22   Completed     10/13/22   16306   Mechanical Screen & Washpress System   Monthly Maintenance   David Wilson   10/3/22   Completed     10/13/22   16302   Influent Sluice Isolation Gate   Weekly operate through full range   Luis Bello   10/5/22   Completed     10/13/22   16401   High level floats   Weekly High Float Alarm test   Luis Bello   10/9/22   Completed     10/13/22   16407   All Plant Gear box reducers   GEAR BOX MAINT - WEEKLY   Luis Bello   10/9/22   Completed     10/13/22   16407   Influent Pump 1   Monthly Check Pump Couplings   David Wilson   10/5/22   Completed     10/13/22   16308   Influent Pump 2   Monthly Check Pump Couplings   David Wilson   10/5/22   Completed	10/13/22	16375		Generator Weekly - Test Run no load		Eric Sutton	10/10/22	Completed
10/13/2216306Mechanical Screen & Washpress SystemMonthly MaintenanceDavid Wilson10/3/22Completed10/13/2216302Influent Sluice Isolation GateWeekly operate through full rangeLuis Bello10/5/22Completed10/13/2216401High level floatsWeekly High Float Alarm testLuis Bello10/9/22Completed10/13/2216417All Plant Gear box reducersGEAR BOX MAINT - WEEKLYLuis Bello10/9/22Completed10/13/2216307Influent Pump 1Monthly Check Pump CouplingsDavid Wilson10/5/22Completed10/13/2216308Influent Pump 2Monthly Check Pump CouplingsDavid Wilson10/5/22Completed	10/13/22	16314	Aeration Tank 1 Oxygen Probe	AT #1 DO Probe Clean and Calibrate - Monthly		David Wilson	10/4/22	Completed
10/13/2216302Influent Sluice Isolation GateWeekly operate through full rangeLuis Bello10/5/22Completed10/13/2216401High level floatsWeekly High Float Alarm testLuis Bello10/9/22Completed10/13/2216417All Plant Gear box reducersGEAR BOX MAINT - WEEKLYLuis Bello10/9/22Completed10/13/2216307Influent Pump 1Monthly Check Pump CouplingsDavid Wilson10/5/22Completed10/13/2216308Influent Pump 2Monthly Check Pump CouplingsDavid Wilson10/5/22Completed	10/13/22	16315	Aeration Tank 3 Oxygen Probe	AT #3 DO Probe Clean and Calibrate - Monthly		David Wilson	10/4/22	Completed
10/13/2216302Influent Sluice Isolation GateWeekly operate through full rangeLuis Bello10/5/22Completed10/13/2216401High level floatsWeekly High Float Alarm testLuis Bello10/9/22Completed10/13/2216417All Plant Gear box reducersGEAR BOX MAINT - WEEKLYLuis Bello10/9/22Completed10/13/2216307Influent Pump 1Monthly Check Pump CouplingsDavid Wilson10/5/22Completed10/13/2216308Influent Pump 2Monthly Check Pump CouplingsDavid Wilson10/5/22Completed	10/13/22	16306		Monthly Maintenance		David Wilson	10/3/22	Completed
10/13/2216417All Plant Gear box reducersGEAR BOX MAINT - WEEKLYLuis Bello10/9/22Completed10/13/2216307Influent Pump 1Monthly Check Pump CouplingsDavid Wilson10/5/22Completed10/13/2216308Influent Pump 2Monthly Check Pump CouplingsDavid Wilson10/5/22Completed	10/13/22	16302		Weekly operate through full range		Luis Bello	10/5/22	Completed
10/13/2216307Influent Pump 1Monthly Check Pump CouplingsDavid Wilson10/5/22Completed10/13/2216308Influent Pump 2Monthly Check Pump CouplingsDavid Wilson10/5/22Completed	10/13/22	16401	High level floats	Weekly High Float Alarm test		Luis Bello	10/9/22	Completed
10/13/22 16308 Influent Pump 2 Monthly Check Pump Couplings David Wilson 10/5/22 Completed	10/13/22	16417	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY		Luis Bello	10/9/22	Completed
	10/13/22	16307	Influent Pump 1	Monthly Check Pump Couplings		David Wilson	10/5/22	Completed
10/13/2216309Influent Pump 3Monthly Check Pump CouplingsDavid Wilson10/5/22Completed	10/13/22	16308	Influent Pump 2	Monthly Check Pump Couplings		David Wilson	10/5/22	Completed
	10/13/22	16309	Influent Pump 3	Monthly Check Pump Couplings		David Wilson	10/5/22	Completed

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/13/22	16310	Influent Pump 4	Monthly Check Pump Couplings		David Wilson	10/5/22	Completed
10/13/22	16311	Influent Pump 5	Monthly Check Pump Couplings	Out of tolerance. Replace coupling.	David Wilson	10/5/22	Completed
10/14/22	16338	PS 1 Generator	PS #1 Generator Inspection and Test - Weekly		David Wilson	10/12/22	Completed
10/14/22	16344	PS 3 Generator	PS #3 Generator Inspection and Test - Weekly		David Wilson	10/12/22	Completed
10/14/22	16348	PS 4 Generator	PS #4 Generator Inspection and Test - Weekly		David Wilson	10/12/22	Completed
10/14/22	16354	PS 5 Generator	PS #5 Generator Inspection and Test - Weekly		David Wilson	10/12/22	Completed
10/14/22	16363	PS 6 Generator	PS #6 Generator Inspection and Test - Weekly		David Wilson	10/12/22	Completed
10/14/22	16359	PS 9 Generator	PS #9 Generator Inspection and Test - Weekly		David Wilson	10/12/22	Completed
10/17/22	16428	Effluent Flow Meter Isolation Valve	Isolation Valve Exercise		David Wilson	10/7/22	Completed
10/17/22	16391	Effluent Pump #1 discharge valve	Isolation Valve Exercise		David Wilson	10/7/22	Completed
10/17/22	16317	Effluent Pumps	Effluent Pump Semi-Annual valve exercise		David Wilson	10/7/22	Completed
10/17/22	16392	Effluent Pump #2 discharge valve	Isolation Valve Exercise		David Wilson	10/7/22	Completed
10/17/22	16393	Effluent Pump #3 discharge valve	Isolation Valve Exercise		David Wilson	10/7/22	Completed
10/17/22	16318	Effluent Pump 1	Isolation Valve Exercise		David Wilson	10/7/22	Completed
10/17/22	16394	Effluent Pump #4 discharge valve	Isolation Valve Exercise		David Wilson	10/7/22	Completed
10/17/22	16156	Effluent Pumps	Effluent Pump - Monthly		David Wilson	9/15/22	Completed
10/17/22	16316	Effluent Pumps	Effluent Pump - Monthly		David Wilson	10/15/22	Completed
10/18/22	16328	Sludge Transfer Pump 1	Monthly Check Pump Couplings	No issues found.	David Wilson	10/5/22	Completed
10/18/22	16329	Sludge Transfer Pump 2	Monthly Check Pump Couplings	No issues found.	David Wilson	10/5/22	Completed
10/18/22	16325	RST Feed Pump 2	Monthly Check Pump Couplings	No issues found.	David Wilson	10/5/22	Completed
10/18/22	16324	RST Feed Pump 1	Monthly Check Pump Couplings	No issues found.	David Wilson	10/5/22	Completed
10/18/22	16326	Primary Sludge Pump 1	Monthly Check Pump Couplings	No issues found.	David Wilson	10/5/22	Completed
10/18/22	16327	Primary Sludge Pump 2	Monthly Check Pump Couplings	No issues found.	David Wilson	10/5/22	Completed
10/18/22	16320	Wet Scrubber Fan	Scrubber Exhaust Fan PM - Monthly	LOTO of equipment. Lubed and inspcted all bearings. Inspcted belt deflection. Verified torque on all hardware. Returned fo service.	David Wilson	10/12/22	Completed
10/19/22	16295	Generator #1- Emergency Kohler 750	Generator Weekly - Test Run no load		David Wilson	10/17/22	Completed
10/19/22	16291	Generator #2 - Backup Detroit 500	Generator Weekly - Test Run no load		David Wilson	10/17/22	Completed
10/19/22	16376	PS Kholer Trailer Mounted Generator	Generator Weekly - Test Run no load		David Wilson	10/17/22	Completed

Status	WO #	Anntenance Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
Date 10/19/22	16413	Generators "All Pump Station"	Generator Weekly - Test Run no load		David Wilson	10/17/22	Completed
10/19/22	16228	Chlorine probe ATI	Weekly calibration		Aram Varjarbedian	9/12/22	Completed
10/19/22	16229	Chlorine probe ATI	Weekly calibration		Aram Varjarbedian	9/26/22	Completed
10/19/22	16395	Chlorine probe ATI	Weekly calibration		David Wilson	10/10/22	Completed
10/21/22	16303	Influent Sluice Isolation Gate	Weekly operate through full range		David Wilson	10/12/22	Completed
10/21/22	16418	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY		David Wilson	10/16/22	Completed
10/21/22	16402	High level floats	Weekly High Float Alarm test		David Wilson	10/16/22	Completed
10/21/22	16304	Influent Sluice Isolation Gate	Weekly operate through full range		David Wilson	10/19/22	Completed
10/21/22	16339	PS 1 Generator	PS #1 Generator Inspection and Test - Weekly		David Wilson	10/19/22	Completed
10/21/22	16345	PS 3 Generator	PS #3 Generator Inspection and Test - Weekly		David Wilson	10/19/22	Completed
10/21/22	16349	PS 4 Generator	PS #4 Generator Inspection and Test - Weekly		David Wilson	10/19/22	Completed
10/21/22	16360	PS 9 Generator	PS #9 Generator Inspection and Test - Weekly		David Wilson	10/19/22	Completed
10/21/22	16355	PS 5 Generator	PS #5 Generator Inspection and Test - Weekly		David Wilson	10/19/22	Completed
10/24/22	16410	FIRE ALARM SYSTEM	Fire alarm - semi annual	Hart Fire alarm came in for semi annual inspection.	David Wilson	10/3/22	Completed
10/25/22	16296	Generator #1- Emergency Kohler 750	Generator Weekly - Test Run no load		David Wilson	10/24/22	Completed
10/25/22	16292	Generator #2 - Backup Detroit 500	Generator Weekly - Test Run no load		David Wilson	10/24/22	Completed
10/25/22	16364	PS 6 Generator	PS #6 Generator Inspection and Test - Weekly		David Wilson	10/19/22	Completed
10/27/22	16305	Influent Sluice Isolation Gate	Weekly operate through full range		Luis Bello	10/25/22	Completed
10/27/22	16419	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY		Luis Bello	10/23/22	Completed
10/27/22	16414	Generators "All Pump Station"	Generator Weekly - Test Run no load		Outside Contractor	10/24/22	Completed
10/27/22	16377	PS Kholer Trailer Mounted Generator	Generator Weekly - Test Run no load		Outside Contractor	10/24/22	Completed
10/27/22	16403	High level floats	Weekly High Float Alarm test		Luis Bello	10/23/22	Completed
10/28/22	16340	PS 1 Generator	PS #1 Generator Inspection and Test - Weekly	Mid level hand rail assembly missing parts. Fixed ventilation system rotting out at both 90 degree bends as well as joints between straight portions. Will put together parts list.	David Wilson	10/26/22	Completed
10/28/22	16346	PS 3 Generator	PS #3 Generator Inspection and Test - Weekly	About 10% surface solids in wet well.	David Wilson	10/26/22	Completed
10/28/22	16350	PS 4 Generator	PS #4 Generator Inspection and Test - Weekly	About 5% surface solids.	David Wilson	10/26/22	Completed
10/28/22	16356	PS 5 Generator	PS #5 Generator Inspection and Test - Weekly		David Wilson	10/26/22	Completed
10/28/22	16365	PS 6 Generator	PS #6 Generator Inspection and Test - Weekly		David Wilson	10/26/22	Completed

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/28/22	16361	PS 9 Generator	PS #9 Generator Inspection and Test - Weekly		David Wilson	10/26/22	Completed
10/28/22	16381	Ventis MX4 #4 - 4 Gas	4 Gas Meter #4 Calibration - Monthly		Luis Bello	10/27/22	Completed
10/28/22	16379	Ventis MX4 #2 - 4 Gas	4 Gas Meter #2 Calibration - Monthly		Luis Bello	10/27/22	Completed
10/28/22	16390	GasAlert Max XTII #2	monthly calibration		Luis Bello	10/27/22	Completed
10/28/22	16383	Ventis MX4 #6 - 4 Gas	4 Gas Meter #6 Calibration - Monthly		Luis Bello	10/27/22	Completed
10/28/22	16380	Ventis MX4 #3 - 4 Gas	4 Gas Meter #3 Calibration - Monthly		Luis Bello	10/27/22	Completed
10/28/22	16382	Ventis MX4 #5 - 4 Gas	4 Gas Meter #5 Calibration - Monthly		Luis Bello	10/27/22	Wating for Parts
10/31/22	16312	Aeration Blower 1	Aeration Blower #1 Air Filter Inspection - monthly		David Wilson	10/25/22	Completed
10/31/22	16313	Aeration Blower 2	Aeration Blower #2 Air Filter Inspection - Monthly		David Wilson	10/27/22	Completed

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/12/22	16287	Eyewash Stations	All Portable Eye wash stations - semi annual		David Wilson	10/1/22	Completed

Date Asset ID	Asset Description	Asset Class	Name	Workflow Class
10/1/2022 14:14 01-029	4 ARTHUR ST	Hull Parcels		Generic WO
10/4/2022 12:00 01-029	4 ARTHUR ST	Hull Parcels		Hull - Markout
10/24/2022 14:00 01-031	1 MILDRED ST	Hull Parcels		Hull - Markout
10/21/2022 12:53 03-096	21 LAFAYETTE RD	Hull Parcels		Hull - Markout
10/4/2022 11:59 05-017	60 VAUTRINOT AVE	Hull Parcels		Hull - Markout
10/21/2022 13:18 06-076	27 JAMES AVE	Hull Parcels		Hull - Markout
10/11/2022 11:06 08-010	1060 NANTASKET AVE	Hull Parcels		Hull - Markout
10/17/2022 12:02 10-008	51 PT ALLERTON AVE	Hull Parcels	Sutton, Eric	Hull - Markout
10/4/2022 14:13 10-046	47 HOLBROOK AVE	Hull Parcels	Sutton, Eric	Hull - Markout
10/31/2022 14:18 10-090	42 BEACON RD	Hull Parcels	Sutton, Eric	Hull - Markout
10/19/2022 14:52 10123	8 8" PVC Pipe	Hull Sewer Main	Sutton, Eric	Sewer Main Cleaning & CCTV
10/17/2022 8:04 10267	6" VC Pipe - no access MH or CO	Hull Sewer Main	Sutton, Eric	Sewer Main Cleaning & CCTV
10/1/2022 14:07 13 Eastman Rd	13 Eastman Rd Grinder Pump	Hull Grinder Pumps	Sutton, Eric	Hull - Grinder Pump Maintenance
10/24/2022 13:55 13-071	39 R STREET	Hull Parcels	Sutton, Eric	Hull - Markout
10/12/2022 13:19 13-080	154 CADISH AVE	Hull Parcels	Sutton, Eric	Hull - Markout
10/4/2022 11:34 15-164	774 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
10/4/2022 11:43 15-182	779 NANTASKET AVE	Hull Parcels		Hull - Markout
10/4/2022 10:34 19-007	656 NANTASKET AVE	Hull Parcels		Hull - Markout
10/7/2022 13:24 19-020	54 A STREET	Hull Parcels		Hull - Markout
10/7/2022 13:24 13-020	141 BEACH AVE	Hull Parcels		Hull - Markout
10/27/2022 11:43 20-019	641 NANTASKET AVE	Hull Parcels		Hull - Markout
10/21/2022 11:43 20-019	4 TOURAINE AVE	Hull Parcels	-	Hull - Markout Hull - Markout
10/25/2022 11:08 24-067	1 WARFIELD AVE	Hull Parcels	,	Hull - Markout
10/8/2022 16:41 25-001	59 BEACH AVE	Hull Parcels		Hull - Markout
10/24/2022 13:57 25-135	67 SAMOSET AVE	Hull Parcels		Hull - Markout
10/27/2022 10:28 26 Rockview Rd	26 Rockview Rd Grinder Pump	Hull Grinder Pumps		Hull - Grinder Pump Maintenance
10/8/2022 10:35 26-078	25 REVERE ST	Hull Parcels		Hull - Markout
10/12/2022 12:34 26-100	50 REVERE ST	Hull Parcels		Hull - Markout
10/8/2022 10:37 26-142	41 REVERE ST	Hull Parcels	Sutton, Eric	Hull - Markout
10/6/2022 10:26 26-210	452 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
10/27/2022 8:16 27-159	80 MOUNTFORD RD	Hull Parcels	Sutton, Eric	Hull - Markout
10/25/2022 11:06 30-053	102 EDGEWATER RD	Hull Parcels	Sutton, Eric	Hull - Markout
10/17/2022 11:59 32-050	99 CLIFTON AVE	Hull Parcels	Sutton, Eric	Hull - Markout
10/19/2022 10:39 33-142	0 MERRILL RD	Hull Parcels	Sutton, Eric	Hull - Markout
10/17/2022 11:57 34-018	26 A BAY STREET	Hull Parcels	Sutton, Eric	Hull - Markout
10/21/2022 13:41 37-008	213 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
10/11/2022 12:00 39-120	50 WYOLA RD	Hull Parcels		Hull - Markout
10/19/2022 10:26 41-008	10 NANTASKET AVE	Hull Parcels		Hull - Markout
10/27/2022 8:36 42-100	1 GATEHOUSE LANE	Hull Parcels		Hull - Markout
10/3/2022 12:49 43-008	0 WYOLA RD	Hull Parcels	,	Hull - Markout
10/17/2022 11:56 43-009	72 WYOLA RD	Hull Parcels		Hull - Markout
		Hull Parcels		
10/19/2022 10:14 45-085	10 ORLEANS ST			Hull - Markout
10/10/2022 9:33 48-006	276 ATLANTIC AVE	Hull Parcels		Hull - Markout
10/31/2022 14:21 49-036	9 SCHOOL ST	Hull Parcels		Hull - Markout
10/4/2022 10:42 49-067	9 STATE PARK RD	Hull Parcels	,	Hull - Markout
10/11/2022 11:58 51-024	0 ATLANTIC AVE	Hull Parcels	-	Hull - Markout
10/17/2022 11:53 52-062	6 GUN ROCK AVE	Hull Parcels	-	Hull - Markout
10/31/2022 14:23 53-028-B	0 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
10/21/2022 13:10 56-009-A	1174 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
10/6/2022 14:51 Bacteria UNIT #21	UNIT #21	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/20/2022 13:36 Bacteria UNIT #21	UNIT #21	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/20/2022 13:41 Bacteria UNIT #22	UNIT #22	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/20/2022 13:32 Bateria UNIT # 8	UNIT # 8	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/20/2022 13:30 Bateria UNIT #1	UNIT #1	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/20/2022 13:33 Bateria UNIT #10	UNIT #10	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/20/2022 13:35 Bateria UNIT #11	UNIT #11	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/20/2022 13:39 Bateria UNIT #12	UNIT #12	Hull In Pipe Bacteria Unit		Hull - In Pipe Bacteria Units
10/20/2022 13:38 Bateria UNIT #13	UNIT #13	Hull In Pipe Bacteria Unit		Hull - In Pipe Bacteria Units
10/20/2022 13:37 Bateria UNIT #14	UNIT #14	Hull In Pipe Bacteria Unit		Hull - In Pipe Bacteria Units
10/20/2022 13:36 Bateria UNIT #15	UNIT #15	Hull In Pipe Bacteria Unit		Hull - In Pipe Bacteria Units
10/20/2022 13:35 Bateria UNIT #15	UNIT #16	Hull In Pipe Bacteria Unit		Hull - In Pipe Bacteria Units
10/20/2022 13:33 Bateria UNIT #17	UNIT #17	Hull In Pipe Bacteria Unit		Hull - In Pipe Bacteria Units
10/20/2022 13:34 Bateria UNIT #19	UNIT #19	Hull In Pipe Bacteria Unit		Hull - In Pipe Bacteria Units
10/20/2022 42 20 8-1 1 1007		I I U I I A Diversion Distance in the second	C	
10/20/2022 13:30 Bateria UNIT #2 10/20/2022 13:35 Bateria UNIT #20	UNIT #2 UNIT #20	Hull In Pipe Bacteria Unit Hull In Pipe Bacteria Unit		Hull - In Pipe Bacteria Units Hull - In Pipe Bacteria Units

Date	Asset ID	Asset Description	Asset Class	Name	Workflow Class
10/20/2022 13:40	Bateria UNIT #23	UNIT #23	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/20/2022 13:29	Bateria UNIT #24	UNIT #24	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/6/2022 14:51	Bateria UNIT #3	UNIT #3	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/20/2022 13:34	Bateria UNIT #3	UNIT #3	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/6/2022 14:50	Bateria UNIT #4	UNIT #4	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/20/2022 13:29	Bateria UNIT #4	UNIT #4	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/20/2022 13:31	Bateria UNIT #5	UNIT #5	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/20/2022 13:30	Bateria UNIT #6	UNIT #6	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/20/2022 13:31	Bateria UNIT #7	UNIT #7	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/20/2022 13:41	Bateria UNIT #9	UNIT #9	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
10/3/2022 12:46	MH-20011	SEMS_Asset	Sanitary Manhole	Sutton, Eric	Sewer Main Cleaning & CCTV
10/17/2022 8:23	MH-20012	SEMS_Asset	Sanitary Manhole	Sutton, Eric	Sewer Main Cleaning & CCTV
10/17/2022 8:16	MH-20113	SEMS_Asset	Sanitary Manhole	Sutton, Eric	Sewer Main Cleaning & CCTV
10/25/2022 14:09	MH-20458	SEMS_Asset	Sanitary Manhole	Sutton, Eric	MH Frame & Cover Inspection
10/17/2022 8:19	MH-30104	SEMS_Asset	Sanitary Manhole	Sutton, Eric	Sewer Main Cleaning & CCTV

		А	sset Management	Accounts - Year 8					Time	e Status
	FOR M.O.R. SEPTEMBER 2022		Actual to date Projected for Final Estimate						NOW=	11/28/2022
Account		Budgeted Amount	Spent to Date	Delta	Projected costs and incl PO's	Final est	Delta	expended	Start	5/1/2020
08M-101A	Preventive Maint	\$227,514.68	\$74,422.49	\$153,092.19	\$54,500.00	\$128,922.49	\$98,592.19	32.7%	258.0%	225.3%
08M-102B	Capital and Major Repairs	\$140,000.00	\$148,525.24	(\$8,525.24)	\$65,800.00	\$214,325.24	(\$74,325.24)	106.1%	258.0%	151.9%
08M-103A	Major Sub Contractors	\$192,737.48	\$168,992.52	\$23,744.96	\$46,000.00	\$214,992.52	(\$22,255.04)	87.7%	258.0%	170.3%
blank										
	Asset Management	ment \$560,252.16 \$391,940.25 \$168,311.91 \$166,300.00 \$558,240.25 \$2,011.91							258.0%	188.0%
					ć1C0 011 01					

\$168,311.91

08S	D Street	\$7,500.00	\$8,391.00	(\$891.00)	\$0.00	\$8,391.00	(\$891.00)	111.9%	258.0%	146.1%
									-	
08C	Odor Control Chemicals	\$100,000.00	\$121.192.00	(\$21,192.00)	\$0.00	\$121.192.00	(\$21,192.00)	121.2%	258.0%	136.8%

Estimated total	
remaining 08M,	
08C	(\$19,180.09)

	Hull 2022-2023 - 08M Projects, Tasks, and Needs - (AV)										
			Maint	tenance Ac	count - Year 8	- 05_01_22 to	04_30_23				
	FOR OCTOBER 2022 M.O.R.		-	-	\$166,300.00						
Priority [1=high]	Description	Status	completed	Task	Estimates & funds remaining	Final Completed Cost	Lead				
1	Mechanical Work Labor by O&M specialists	On Going		101A	\$14,000.00			Placeholder for Jody St. 0 8/30; adjust budget 9/20.A			
1	Pump and Motor Repairs/Replacements [invoiced and pcard]	On Going		101A	\$9,000.00			to keep existing equipmen purchases. orig budget \$2			
1	Lubricants	On Going		101A	\$900.00			Various Suppliers for oil a			
1	Generator Prev. Maintenance and Repairs	On Going		101A	\$16,500.00			General PM and CM Repa PM costs/invoices paid 11			
1	Fire Alarm Inspections and Service	On Going		101A	\$1,700.00			Semi Annual - Hart Securi annual services completed			
2	Universal waste disposal	Pending		101A	\$500.00			Placeholder - \$500 - Unlik			
1	Service the Forklift	completed		101A		\$231.00		Placeholder \$400 - Annua			
1	Overhead Hoist Inspection & repairs	completed		101A		\$1,666.52		Annual task - Applied Dyn actions, \$1500 left to do fo			
1	Flow meter verification and calibration	completed		101A		\$1,175.00		Placeholder - Annual - Ray to be contacted. Early Nov			
1	Facility Building - Roof Inspection	completed		101A		\$2,800.00		\$2800 Annual Placeholder			
2	Jerome H2S Meter Inspection	Pending		101A	\$1,100.00			Placeholder if meter is ser needed and if new meter s			
1	Janitorial Supplies	On Going		101A	\$2,000.00			Orig budget \$3,000 - Estin			
1	Manhole Inspections	Pending		101A				As required,and/or schedu			
2	General mechanical and electrical items/supplies	On Going		101A	\$3,000.00			Grainger, FWWebb, EJP, progresses; adj 8/30; adju			
1	Thompson Pump repairs 6TS-244 [6A]	completed		101A				Rotating assembly failure repair. All bills to post by e			
2	Large Hoses & fittings	On Going		101A	\$1,800.00			Orig budget \$3,000. Rep NIR and Wolf Creek.			
1	hypo room access/entry door	Pending		102B	\$6,500.00			D&C Quoted - waiting for			
3	Misc. Materials	on Going		101A	\$1,000.00			Hardware Store - \$200.00 9/20; adj 11/28.			
1 of 4 11/2	New Hach Spec Meter for chlorine 8/2022	completed		101A	2022_05_01_08M_Chee	kbook_YTD.xlsx		replace older/failing unit [[			

#### Comments

t. George, Paul Horigan & WC Support Staff - Total budget \$25,000; adjust 0.Adjust budget 11/28

nent running - utilize various outside contractor repair shops, new t \$20,000; adj 8/30; adj 9/26; adj 11/28 to \$9,000

il and grease. Budgeted \$2000. Cut placeholder \$\$ to \$900;

epair Work - **Placeholder** - New PO needs to be issued; reduce by minor 11/28 - reduce by \$3,500.

curity [October & April, central station, & Service]budget \$3000. Semited in mid April. Adj 8/30; Oct Service completed.

nlikely to be used in year 8

ual cost - outside vendor. Completed June 2022

Dynamics - Inspection Work - May 2022 \$1500 plus some corrective of for repairs [completed Aug 2022];

Ray Ferland or other 1 visit annually - Targeting June 2022. Vendor needs Nov targeted date. Nov. Service completed.

der - Established contract with Tecta America. Completed May 2022

sent out for calibration - \$1,100; Update Sept 2022 - meter evaluation er should be considered.

stimated annual expenditures - adjust 8/30; Adjust 10/31.

eduled

IP,Hoadley, mcMasterCarr, etc; orig budget \$20,000, adjust tdown as year djust in Sept to 5,000. Adjust 11/28 to \$3,000

re - bearings, shft, mech seal parts & labor. Est labor \$6500. Seacoast y end of September

eplacements and/or Service - On-Going - As Needed; adj budget Sept.

or updated quote with FRP door - Estimate \$6,500

.00 per month - reoccurring expense; budget \$2,400; Adjust 8/30; Adj

it [DR700]; new unit purchased May 2022

08M Planned Costs

					08M Projects,			
	FOR OCTOBER 2022 M.O.R.		Maint	enance Ac	count - Year 8	- 05_01_22 to	04_30_23	
Priority [1=high]	Description	Status	completed	Task	Estimates & funds remaining	Final Completed Cost	Lead	
1	Lab Equip Calibration	completed		101A				Annual service \$640
1	RAS pumps - spare impeller	On Going		101A	\$3,000.00			4-6 week lead time ARO. 2022 piece is being made
	Duperon Service Call	completed		101A		\$2,500.00		Service done - Septembe
2	6" plug valves [4]	completed		101A		\$3,713.40		RAS pump #3 discharge & 2022. GT1 outlet valve re access.
1	Duperon Service Call - Additional needs	On Going		102B				Issued PO 105426 - \$8,26
2	New Magnetic flow meters for RAS and WAS	Pending		102B				hardware - does not inclue Remove from planned pro
2	yard hydrants - installation	Pending		102B	\$6,000.00			sub-contractor labor - pen
1	Mech seals for new PS4 pumps & barrier tanks	completed		102B		\$10,068.55		Items ordered after appro
1	Pump Station #4 -New Pumps install	completed		102B		\$12,237.61		by D & C. Late June 202
1	Effluent Pump #3 - repairs	completed		102B		\$26,840.20		pump has been returned t
3	Sanitaire hardware purchase for aer tk 1	Pending		102B				Purchase more hardware
1	D&C plant water and potable water system repairs, upgrades various. Replace 6" potable water valve in basement and misc. valves	completed		102B		\$43,499.70		Also check/replace 1 1/4 etc. T&M. Estimate \$43,0
2	new effluent P1 - Flowserve	completed		102B				Update 2/8 to AquaSolu delivered in late Septem
2	Pump Station #3 - spare rotating, assy, or pump	Pending		102B				TBD- estimates being obt
3	New 4-inch valves for pri building between the tanks Installation	Pending		102B				Valves - cost: \$3000, sub
3	Odor log data loggers & calibr kit	Pending		102B				Current units obsolete and remove the \$6,000 on 2/6
3	Jerome meter replacement	Pending		102B				replace unit, if done \$11,0
3	Gravity Thickener #1 sandblasting/painting	Pending		102B				Estimate \$50,000+ - woul
2 of 4 11/2	3/2022				2022_05_01_08M_Che	tkbook_YTD.xlsx	I	1

#### Comments

O. Ordered July 2022; Waiting for updated delivery date. Confirmed Nov de.

ber 2022. Recommendations made.

e & other. Pratt plug valves -Qty 4. ordered May 2022; received Aug repaired and install flush connection. Difficult to remove due to limited

,269

clude installation [estimate for Equip - \$8,500] May or may not occur. projects for 08M.

ending; Have materials on hand. Spring 2022. Targeting Nov 2022.

proval. Installed & in service Aug 2022.

022 - revised estimated installation cost. Work completed July 2022.

d to facility

re ??

4 valves as needed - Requires a water shutdown, other drainage piping, 3,000

lutions - purchase of new spare effluent pump #1 - 60HP pump ember. Cost encumbered in 07M. Pump received and paid for 07M.

btained

sub-contracted labor - either WC or outside co.\$5,000 - totl estim \$8,000

and not supported by company, possibly look at under 05C if funds avail; 2/6/20 - 06C or 06M

1,000; evaluating options

ould need to go out for competitive bid request

	Hull 2022-2023 - 08M Projects, Tasks, and Needs - (AV) Maintenance Account - Year 8 - 05_01_22 to 04_30_23										
			Maint	enance Ac	count - Year 8	- 05_01_22 to	04_30_23				
	FOR OCTOBER 2022 M.O.R.				\$166,300.00						
Priority [1=high]	Description	Status	completed	Task	Estimates & funds remaining	Final Completed Cost	Lead				
2	Duperon Sumitomo Gear boxes	completed		102B		\$8,500.00		one spare gear box for flex in late August 2022. Waiti			
1	Grit classifier system parts	On Going		102B	\$3,500.00			waiting for wear shoes - 2022. Plan for additional			
	Plant Water System [Pump and/or parts]	On Going		102B				consider spare motor or co			
1	Replacement Pumps LS A	completed		102B		\$9,749.96		Repair of rotating assembl			
1	Electrical Work	On Going		103A	\$2,000.00			Orig budget \$25,000. Ele Sept 20th. Adjust for addit			
1	SCADA Work	On Going		103A	\$7,000.00			Steve Rose and the SCAI subscr to \$14k; Reduce pla			
1	E-One Repairs and Replacement	On Going		103A				Orig budget: \$38,000. Bas replacement pumps; contro			
1	Automatic Transfer Switch inspection and servicing	completed		101A		\$1,800.00		\$2400 - Annual Service pla			
1	Wetwell Inspections and Cleaning - Plant/Pump Stations	On Going		103A	\$3,000.00			As required, plant or pump			
1	Sewer Line Cleaning - Emergencies, pump & haul	On Going		103A	\$5,000.00			Placeholder - As required f or other, collection system			
1	Collection System and plant - emerg & unplanned calls - Jetting & CCTV work - various contractors	On Going		103A	\$5,000.00			Budget - 15,000, 8/30 - re			
1	Effluent Composite sampler	Pending		102B	\$9,800.00			Replace "tired" effluent cor			
3	Pump Station #5 jet lines to wetwell and WW cleaning	completed		103A				included with wetwell/colle			
3	SHT1 - demo of equip, air piping & diffuser install/materials	Pending		103A				demo concrete in tank - \$1 equip \$6,000; air piping to project ?			
4	Generators - Load Bank Testing Plant & Pump Stations	Pending		103A				Look at under 08M or 09M			
1	Rosano Davis Pump & Haul PS9	completed		103A		\$28,800.00		for FM inspection			
1	EESCO MCC work at the Pump Stations	Pending		103A				TBD 2 days - request for q			
3	Low pressure sewer valve box insp & mtce	Pending		103A				placeholder for contractor another contractor & W&C			
1	Est grit screw installation	Pending		102B	\$40,000.00			\$\$40,000 placeholder inst			
B of 4 11/28 1	3/2022 Est Grit screw purchase	Pending		102B	2022_05_01_08M_Chee	kbook_YTD.xlsx		placeholder hardware purc			

#### Comments

flex rake and wash compactor [Delte Elec] ordered June 2022. Received aiting for invoicing. On Purchase order.

s - charge is to 07M - estim \$3500. Wear shoe Items received July nal tail shaft assy and housing & bushings. Pricing out items/costs.

r complete unit. Under review/hold [est \$6,000].

mbly - at IPS shop. Returned in September 2022.

Electricians: Glen Fellows, HiVoltage, or other; adjust 8/30; adjust budget Idit exp 9/28; adj down on 11/28.

CADA Support Team; budget \$20,000; Adj for cyber security protection e placeholder budget to \$7,000.

Based on historica/recent costs. E1 repairs where cost-effective & new ontrol panels, other equip; Adjust 8/30. Adj 9/28 to Zero.

e planned for NETS - Transfer Switch; Work comleted July 2022

Imp stations; orig budget \$8,000; Update acct 9/28;

ed for various sub-contractors; could be Hoadley, Truax, WindRiver, BMC, em & plant; **budget \$10,000** Update acct 9/28;

reduce budget due to recent work; Update acct 9/28;

composite sampler

ollection system work

• \$15,000 - sub-contractor and installation of new equip -additional new to the tank \$10,000; Total estimate: \$31k to 35K ??. Maybe year 09M

9M - recently done under 06M.

or quotation. Site visit done 10/27 by EESCO & waiting for proposal.

toror O&M inspections and potential repairs; Looking at Rosano-Davis or &C to investigate; budget of \$7,500 on hold

installation - TBD year 8 or year 9

ourchase. PO issued Oct 2022 \$48,122

08M Planned Costs

			Hull 2	022-2023 - (	08M Projects,	Tasks, and Ne	eds - (AV)				
	Maintenance Ac <u>count - Year 8</u> - 05_01_22 to 04_30_23										
	FOR OCTOBER 2022 M.O.R.			\$166,300.00							
Priority [1=high]	Description	Status	completed	Task	Estimates & funds remaining	Final Completed Cost	Lead				
1	AUMA actuator repairs & service	On Going		101A				PO# 105407 - issued for s			
1	SC #2 Structural Steel Repairs	On Going		103A	\$24,000.00			Based on T&M - center s			
	TOTAL				\$166,300.00						

#### Comments

or service call and 2 motors. \$4,000

supports, scrapers, other - IPC Lydon