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COMMITMENT & INTEGRITY DRIVE RESULTS

# HULL WATER POLLUTION CONTROL FACILITY

APRIL  
2022

## MONTHLY OPERATING REPORT



NPDES NO. MA0101231



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## **Cover pictures:**

[top & bottom]      HVAC project – Crane truck being used for equipment demolition/removal from roof top.  
W&C Staff Member Dave Wilson – cleaning the mechanical bar screen



# 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 April 2022.**

- No lost-time incidents for the month of April
- Continuing Covid-19 safety operations, adhering to W&C, Town, and CDC guidelines and updates.
- There were 144 effluent samples taken in the month of April- details on page (12). All effluent samples collected were compliant. Process conditions were stable.
- There were no Sanitary System Overflows [SSO] reported.
- The plant and collection system odors remained low, seasonally low sewage temperatures contributed to the low levels. Remote monitoring with the Vapor-Link to monitor H<sub>2</sub>S levels continued.
- The Asset Management Accounts summaries for contract year #7 is attached. Latest revision date: 6/5/22.
- There were 3 E-One grinder pump calls in April
- W&C's O&M continued efforts to support the various ongoing engineering projects. See projects section.
- The weekly Bio Bot Covid-19 wastewater sampling & monitoring program continued- staff assisting Brian Kiley of HSD when needed.

***Mike Sullivan – Plant Manager  
Town of Hull WPCF  
6/8/22***

**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



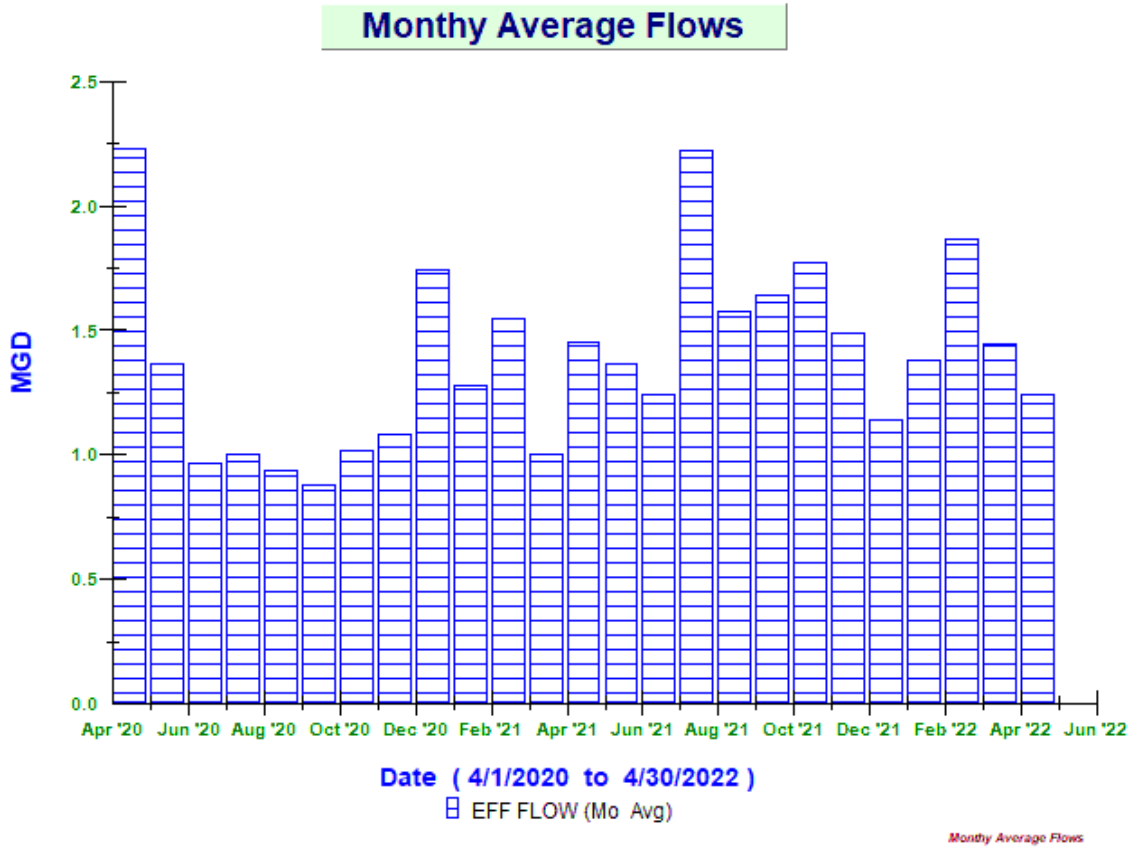
### Average Daily Flows and Loadings for the Month: April

Month / Year	Eff Flow	Inf Flow	Inf BOD	Inf TSS	Eff BOD	EFF TSS
	MGD	MDG	LBS	LBS	LBS	LBS
Apr '20	2.23	2.44	1,838.78	2,564.30	65.23	155.94
Apr '21	1.45	1.67	1,795.81	2,244.69	60.18	128.84
Apr '22	1.24	1.33	1,542.90	1,703.70	36.49	54.90

\* 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.



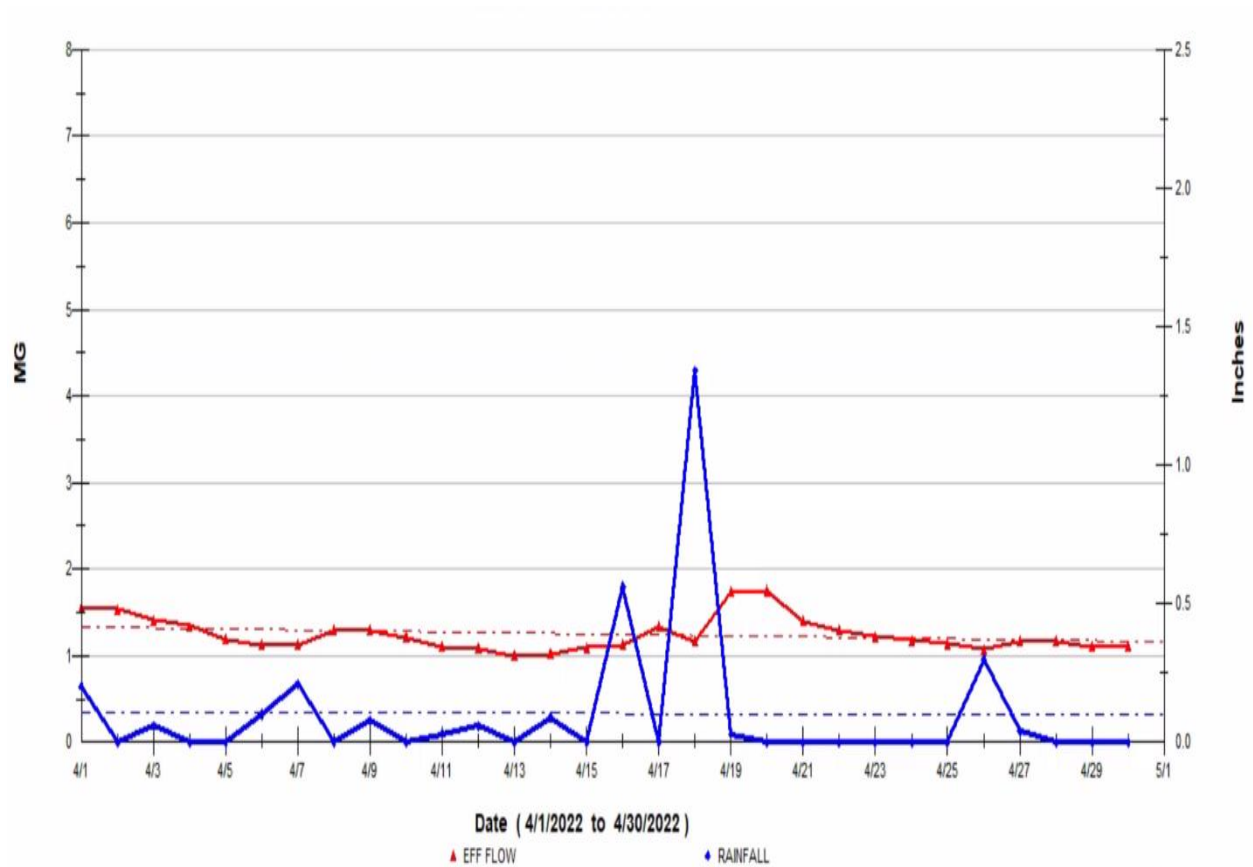
## A. AVERAGE EFFLUENT MONTHLY FLOWS – 2+ YEAR COMPARISON



The monthly average flow for April was 1.24 MGD, slightly lower than the previous month. The total precipitation for the month was 3.1 inches- slightly higher than the previous month. There was one wet weather event to note of during the month, with minimal impact on flow. The graph shows the 2-plus year summary of the monthly 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]. This graph shows an upward trend in flows due to the wet conditions.



### 3 COMPLIANCE

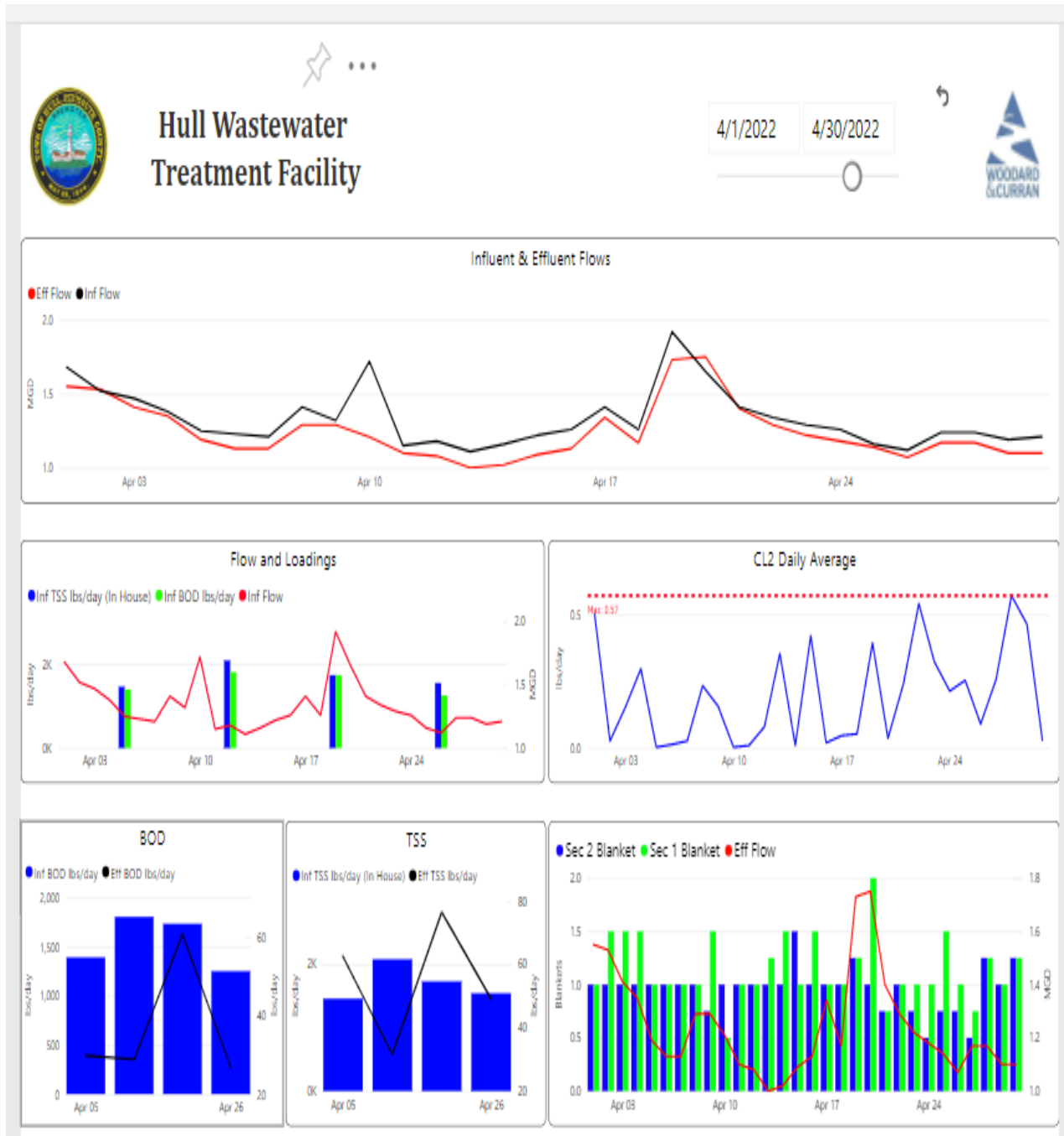


#### ➤ Plant Effluent

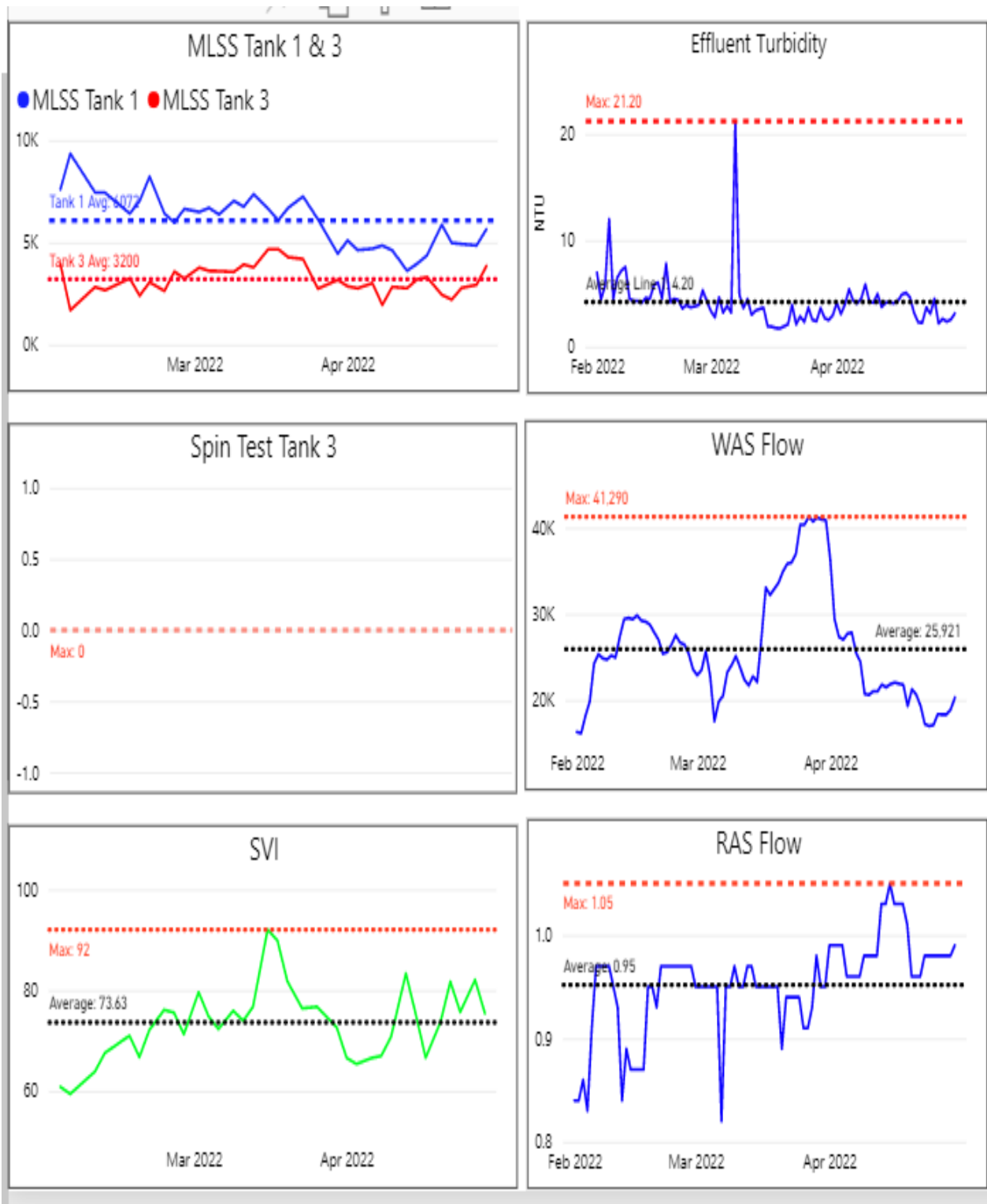
There were no permit exceedances in April.

- Plant process conditions were stable during the month and the process tank configuration remained unchanged.
- A Copy of the monthly NPDES reports for April 2022 was submitted to the EPA, DEP, and the Hull Sewer Dept.
- The plant's EMCP- Environmental Monitoring & Compliance Plan was reviewed and finalized with Kristina Richards of W&C.





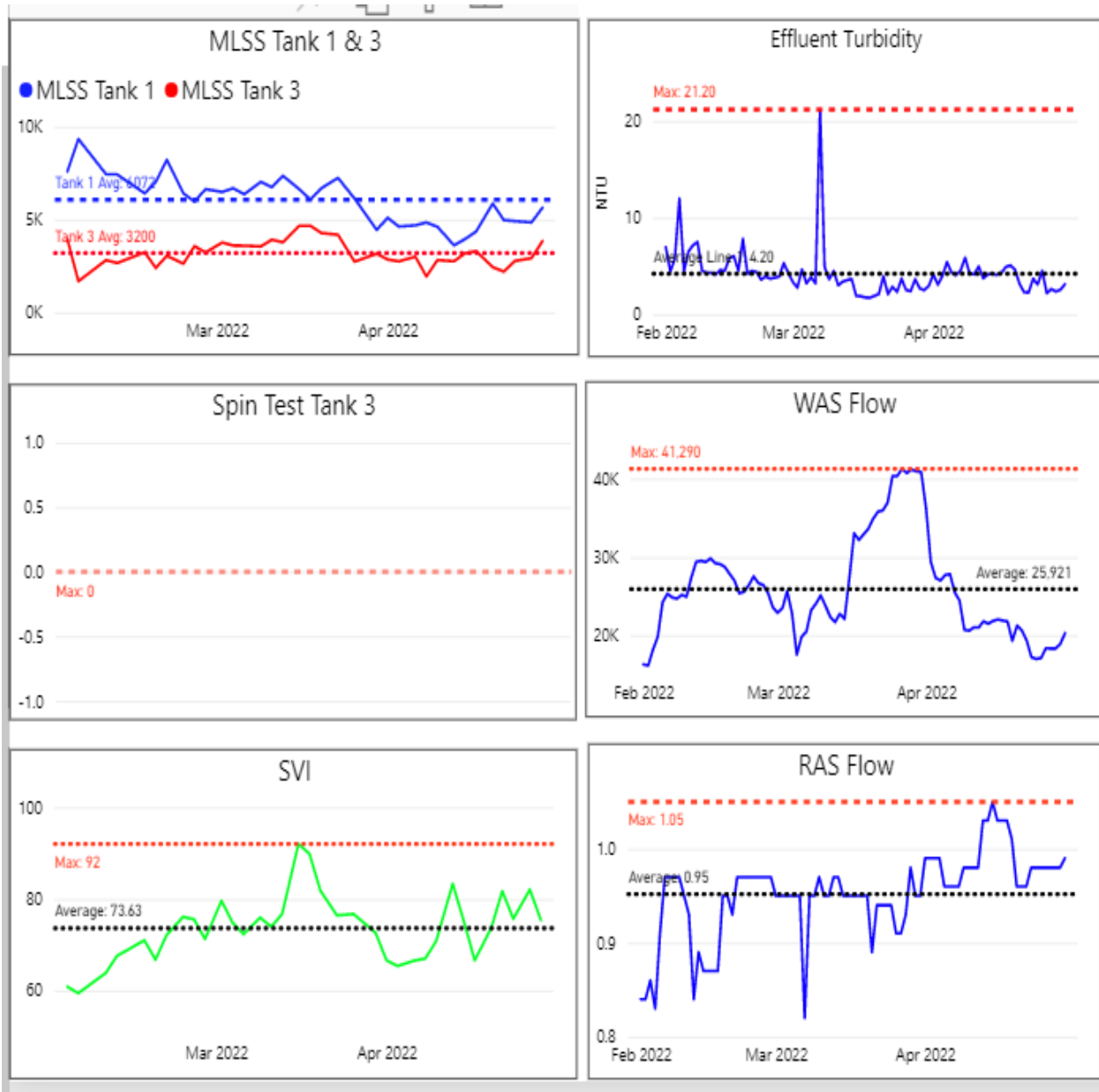




Monthly Process Summary graphs from power BI – April 2022.



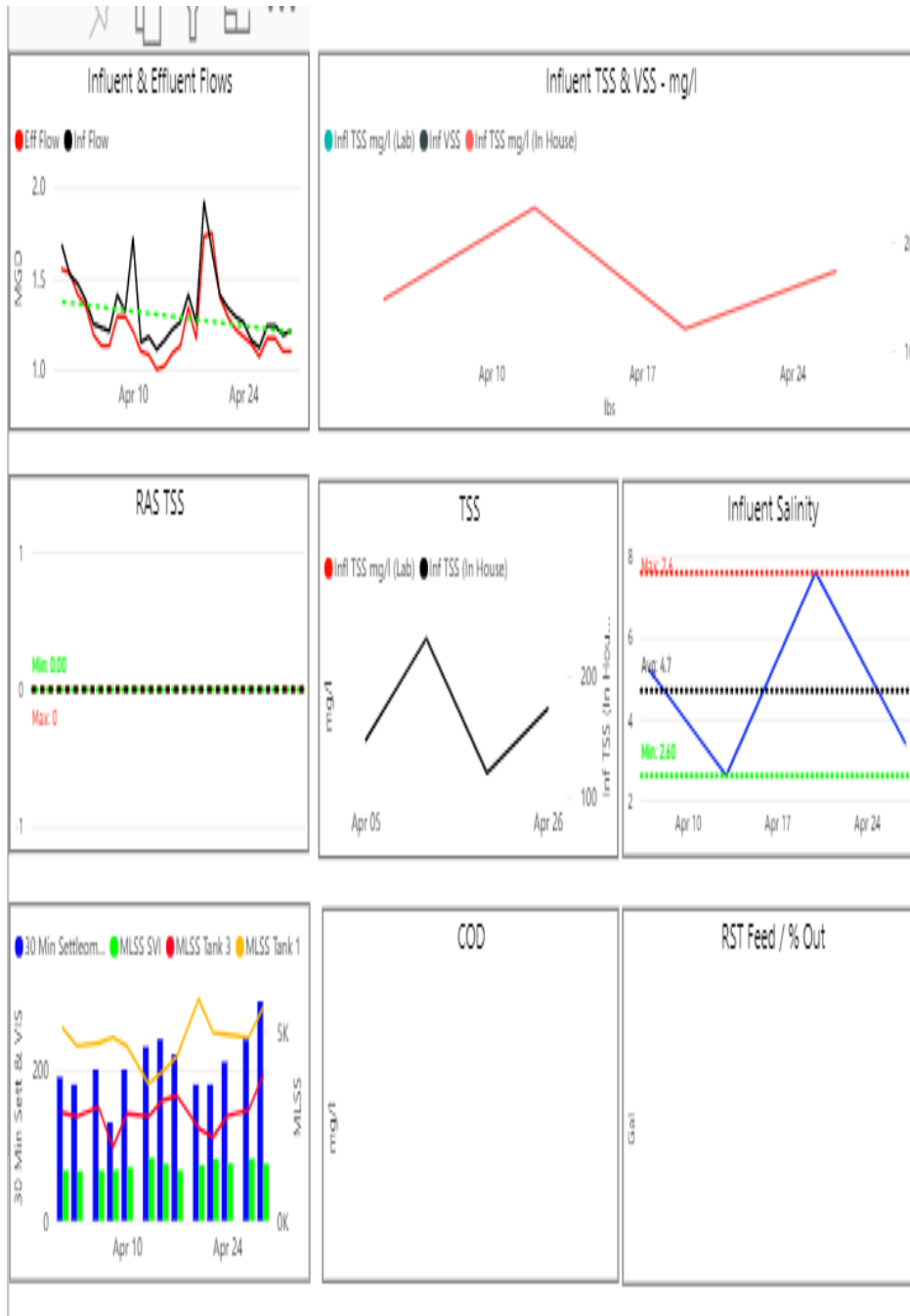
## SECONDARY PROCESSES – POWER BI GRAPHS



3-month period ending on 4/30/22. The tank solids levels under aeration were stable, as there were no significant changes in plant flows during the month.



Additional Power BI Graphs showing trends of various processes – April 2022.



# Hull Wastewater Treatment Facility Drylet Parameters

4/1/2022

4/30/2022





## 4 KEY PERFORMANCE INDICATORS



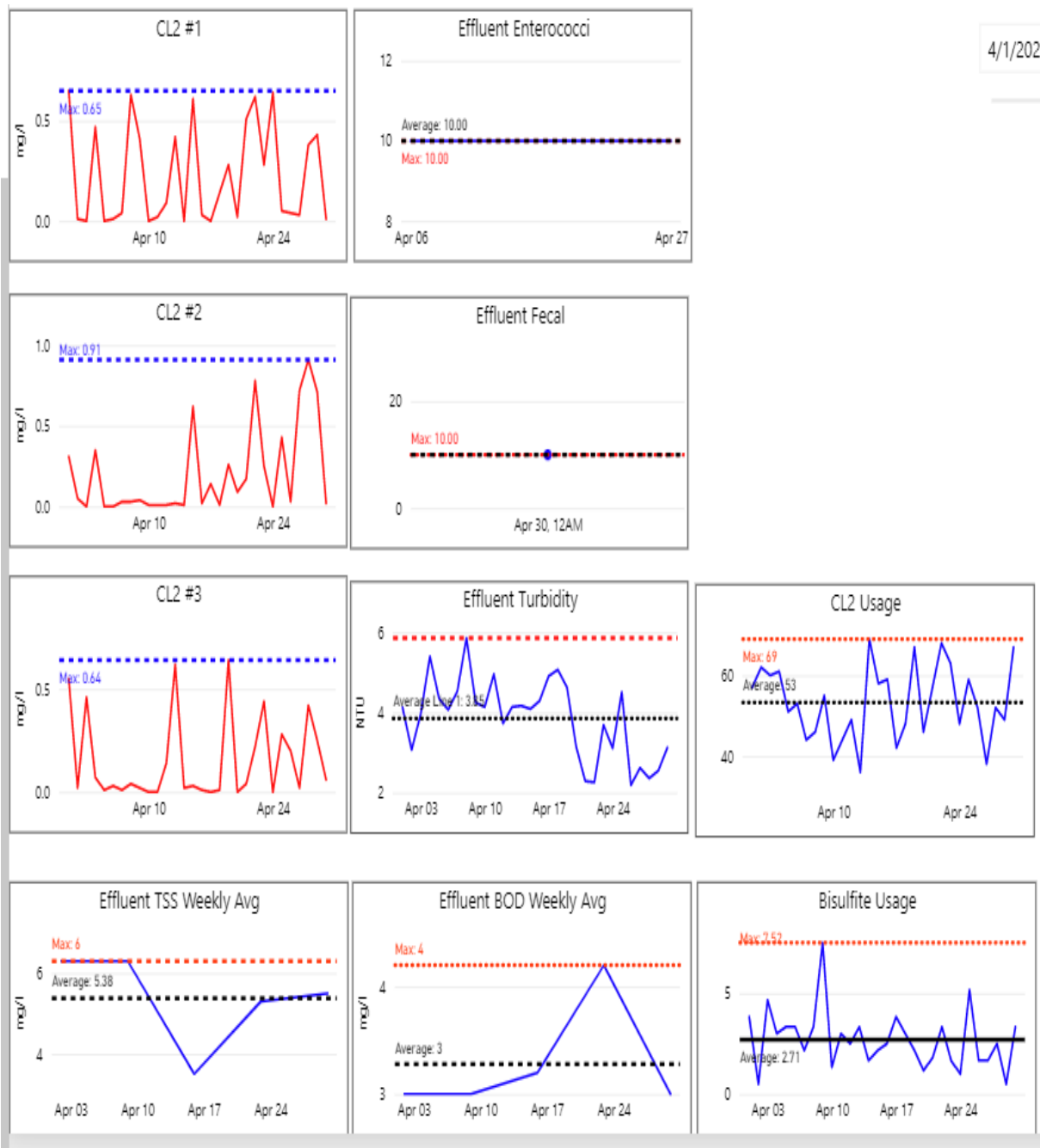
### A. WATER QUALITY – APRIL 2022

parameter Info		Permit Requirements					Results				
Parameter	Units	Daily Allowed Max in month	Min %	Weekly Avg. Max Allowed in month	Monthly Avg	Freq	Period Monthly Avg.	Period Weekly Min	Period Daily Max	# Of Samples	# Of Violations
Eff TSS	MG/L	50		45	30	1 X Week	5.9	4.5	6.8	5	0
Eff TSS	LBS			1152	768	1 X Week	66.1	58.2	77.1		0
% TSS Rem	%		85			1 X Month	96.1				0
Eff BOD	MG/L	50		45	30	1 X Week	3.0	3.0	3.0	5	0
Eff BOD	LBS			1152	768	1 X Week	33.7	33.5	38.8		0
% BOD Rem	%		85			1 X Month	97.7				0
Eff Chlorine	MG/L	1.0			0.7	3 X Day	0.12	0.00	0.49	93	0
Eff Fecal	#/100 ML	260			88	1 X Week	10	10	10	5	0
Eff pH	SU	8.5	6.5			1X Daily	6.7	6.5	6.9	31	0
Enterococci	CFU/100 ML	276			35	1 X Week	10	10	10	5	0

There were 144 effluent samples taken in APRIL



## EFFLUENT COMPLIANCE POWER BI GRAPHS



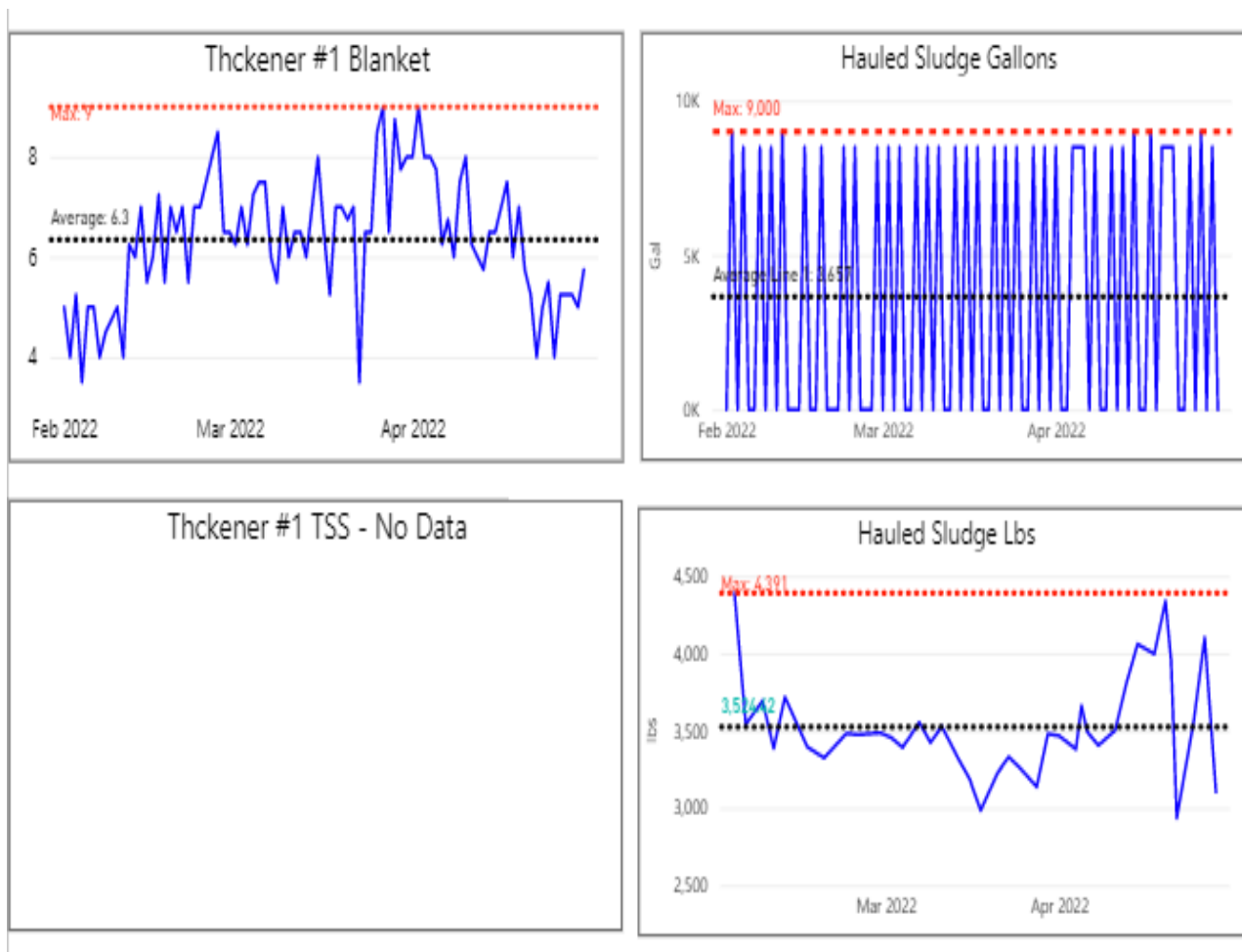
**Last 3-month period ending on 4/30/22 - chlorine residuals, effluent compliance, & chemical use. Bleach [sodium hypochlorite] & sodium bisulfite use was lower. Turbidity [clarity] of the effluent was stable. Effluent quality was very good.**



## Sewage Gallons Treated vs Sludge Disposed

Month	Effluent Treated, MG	Sludge Disposed, Gals
April 2020	66.93	150,000
April 2021	43.59	123,000
April 2022	37.33	129,000

**Additional Power BI graphs for sludge solids for 3-month period ending 4/30/22.**



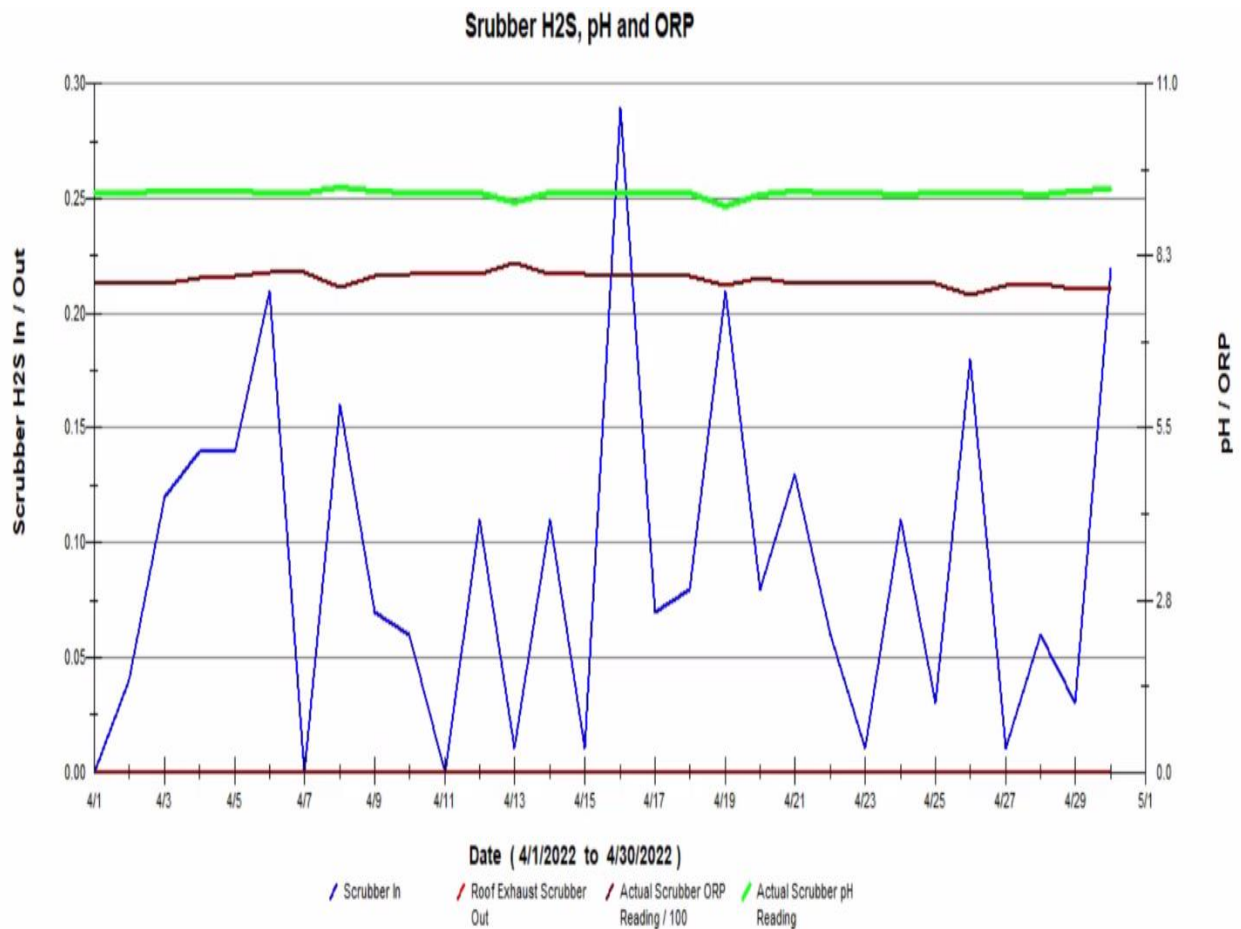


## 5 ODOR CONTROL

There were no odor complaint calls received during April for the wastewater plant.

The Bioxide system was on, and the feed rates were moderate. There were some changes and adjustments made upwards, as needed according to data seen at Nantasket/Water MH and XYZ/Nantasket MH. Warming temperatures and low flows were having an impact on H<sub>2</sub>S formation in the collection system. The monthly graphs are attached below. The daily average Bioxide use for April was 6 gallons per day.

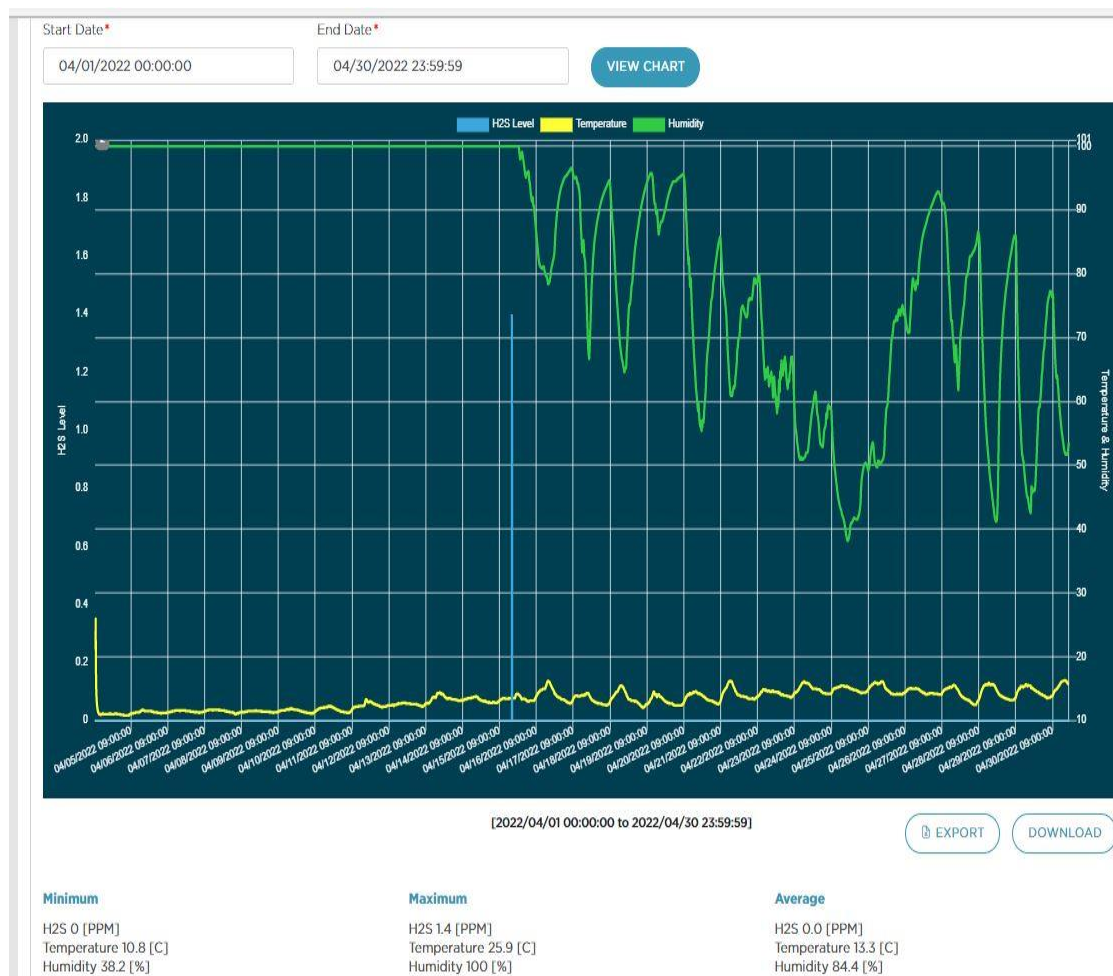
- “In-Pipe” bacteria – the monthly changeouts were completed on 4/22 and the bi-monthly changeouts on 4/27.
- No changes: on pump station mixing systems/aerators.
- Slight changes - Hydrogen sulfide (H<sub>2</sub>S) monitoring units were recording and trending on the odor scrubber. [inlet and outlet]. 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.

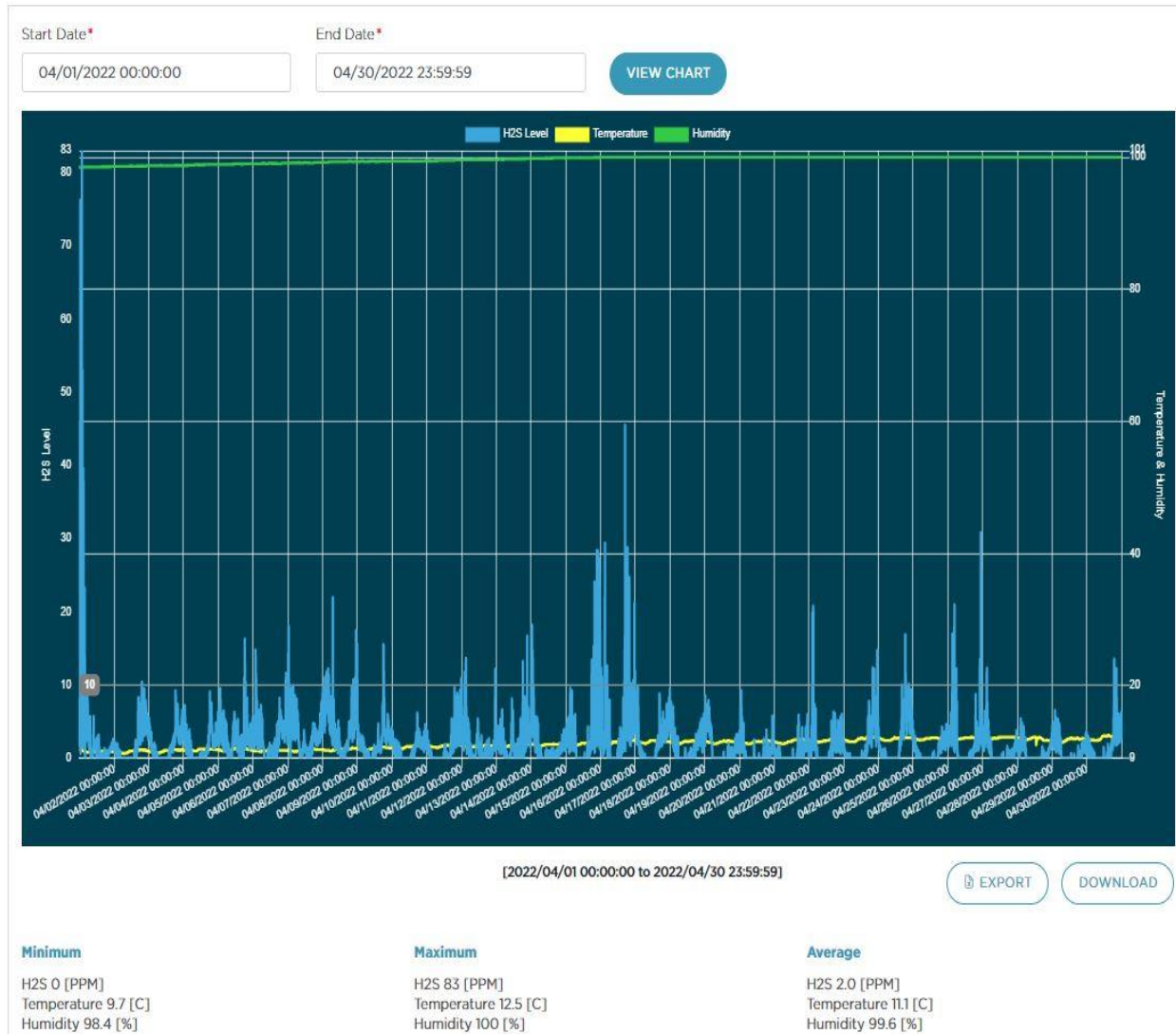
### XYZ – Nantasket Ave [closest to plant]



The odor data logging unit at XYZ monitoring the overall H2S levels close to the plant. Low/ZERO H2S present.



## 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 have excess nitrate in the sewage system to treat the additional H2S added from other parts of 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.



## 6 MAINTENANCE SUMMARY

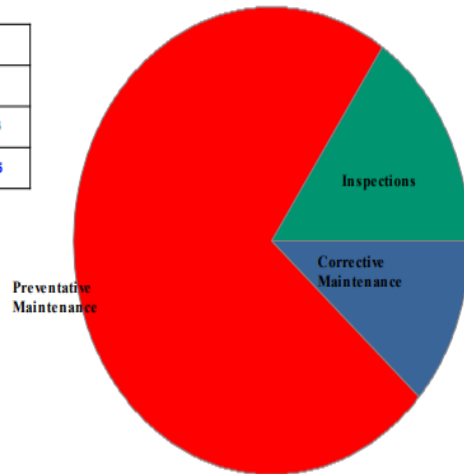


### Maintenance History Report Hull Wastewater

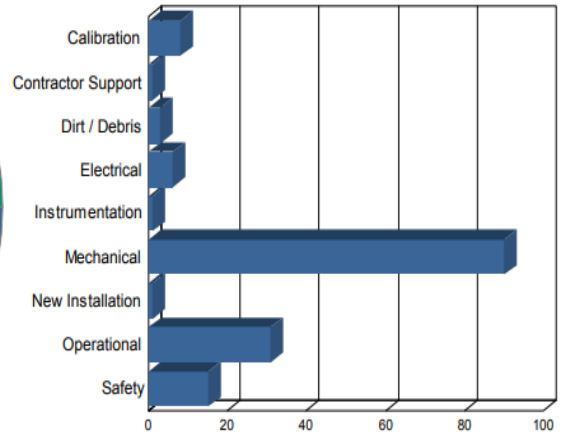
Start Date: 4/1/2022  
End Date: 4/30/2022

Work Order History By Type

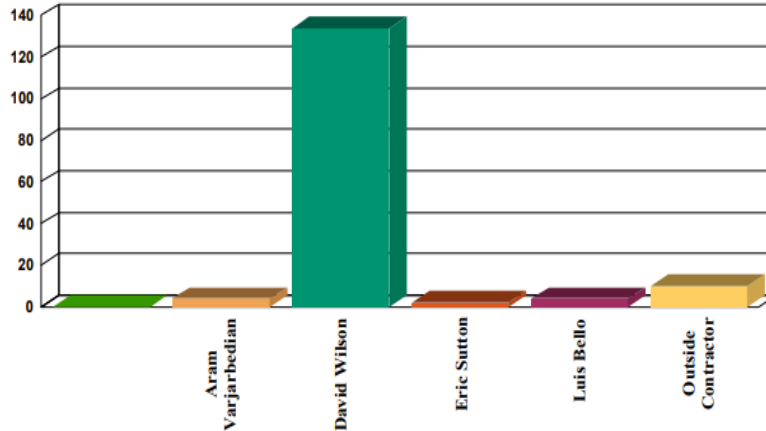
Corrective Maintenance	18
Inspections	24
Preventative Maintenance	113
<b>Total Work Orders</b>	<b>155</b>



Work Order History by Reason



Work Order History By Employee



Employee	WO Count	Labor Hours
Aram Varjarbedian	4	4
David Wilson	133	79
Eric Sutton	2	0
Luis Bello	4	3
Outside Contractor	10	7
Unassigned	2	1
<b>Totals</b>	<b>155</b>	<b>94</b>

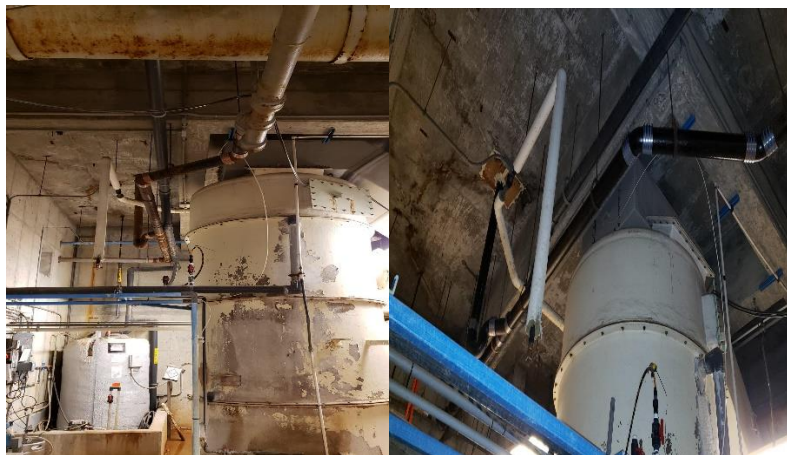


## A. TASKS COMPLETED THIS MONTH

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

Additional key items of note are listed below:

- A new wet well aerator was installed in the wet well at PS#4 on 4/7.
- The H<sub>2</sub>S odor scrubber blower motor on the roof was replaced 4/13, due to bearing noise and vibration
- The return Activated Sludge (RAS) pump #1 rotating assembly that was sent out for a rebuild was put back in service on 4/11.
- Ongoing work on Thompson Pump No. 6A - Sludge Holding Tank #2 (SHT) was cleaned out with a vac-con truck on 4/19. After the cleaning, the grid piping and diffusers were inspected. Some minor repairs were on the existing piping, and the support hardware, but the overall condition was good. Permitted confined space entry [CSE] was required. on the repairs were completed on 4/26.
- Plant Water System (PWS) pump #2 was sent out for evaluation, after a short in the connection wiring was found. The pump motor was found to be ok, however, new motor leads were needed. New motor bearings were installed along with a new impeller, shaft sleeve, and mechanical seal. Blanchard Electric completed the repairs, and the WC staff reinstalled the pump with a return to service on 4/26.
- D&C mechanical crew onsite for various piping projects outline by W&C. These included drain piping from 2<sup>nd</sup> floor HVAC room over the H<sub>2</sub>S odor scrubber in basement and various non-potable plant water and potable water projects in all buildings.



Before and after piping repairs – staging was required to reach the drain piping and work over Caustic tank

- With the change in cellular service from 3G to either 4G or 5G, the back-up RACO alarm system at PS3 will not be supported by RACO unless an upgraded system is purchased. The system will not be upgraded since the facility has transitioned to radio communication at all pump stations.
- All facility and pump station generators inspected and serviced by South Shore Generator. Major Preventive Maintenance completed.





## B. ASSET MANAGEMENT ACCOUNTS

- Please see the attached summary totals and planned expenditures for the Asset Management accounts for contract year (7). Most recent through **6/5/22**.
- Planned expenditure list updated, as at the end of the contract year [4/30]. Ongoing monthly review & update. Moving some costs to 08M.



## 6 SAFETY



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 April
- Monthly PM's - Emergency eyewash and shower inspections, fire extinguishers, and emergency lighting inspections completed.
- Monthly calibrations performed on all MX4 & Max XT11 gas meters
- On-going Coronavirus Covid-19 awareness with daily review and as needed. Keeping in daily contact with contractors with regards to covid-19 issues. The Pure Safety topic for April was Fire Extinguisher Safety.
- Monthly W&C staff safety meeting was held on 4/26. Major topics discussed were the upcoming tick season & Lyme Disease, the ongoing HVAC project and construction zone awareness.
- Monthly safety inspection checklist completed.
- ES – DOT physical completed
- Move universal waste storage area from blower room to back storage area.





## 7 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:**

- Monthly staff Safety training completed – Pure Safety and the monthly safety meeting. Reviewing W&C's "near-miss" incidents at all the W&C projects occurring in March.
- Regular (usually daily) operational updates and process control discussions, pump station operations, especially with construction projects going on at the plant. Safety Covid-19, dig-safes, etc.
- Joe B & Mike S attended various onboarding managerial training sessions with W&C throughout the month
- Mike attended W&C sponsored webinar on using social media outlets to increase exposure in Hull and attracting potential job applicants to wastewater field.

### **Staffing related items:**

- The project staffing plan was submitted with the monthly DMR.
- The regular staffing labor was primarily supplemented by O&M Specialist Paul Horgan, who sometimes covers the added shift left open by Aram V, and any other maintenance project needs as needed.
- Continued to have Saturday & Sunday staff coverage supplemented with part-time staff with intern Joel Terrio working Saturdays & Sundays and other weekdays when he has time off from school. This arrangement allows for the regular staff to be on site more during the week.
- Sunday licensed coverage rotation continued with Aram, Roger, Mike, and Joe.
- Through April the staffing levels were not affected due to the ongoing Covid-19 virus pandemic.



## 8 COLLECTION SYSTEM

### A. WET WELL CLEANING

The actual schedule for wet well cleaning: May 2021 to April 2022:

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

Frequency of cleaning	Pump Station							
	A	1	3	4	5	6	9	D
May, 2021								
June, 2021	X							
July, 2021								
Aug., 2021	X			X				
Sept. 2021								
Oct., 2021								
Nov, 2021								
Dec., 2021								
Jan., 2022								
Feb., 2022								
March 2022	X			X				
April 2022								

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 and a summarized report for April 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 April. 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.

- Three calls for E-One Grinder pump service – see UC summary. Rosano-Davis Pumping was needed for the two units on 4/5. On 4/14 W&C visited the house that was being re-sided and advised contractor on relocation of the control box.
- A blockage was reported by homeowner at 13 Mooreland Ave on 4/20- problem in the house.
- MH inspection and camera viewing was required at 5 Beacon Rd
- Co-ordinate for HSD work for Next Level Environmental performed for various work in the Town. Brian K provided oversight.



- In-Pipe units – ongoing maintenance of the dosing units as needed. Staff conducted board troubleshooting, dosing pump repairs, and replacements as needed.
- Pump station emergency generator runs- weekly no load runs and monthly loaded runs.
- All Pump station wet wells were inspected in April. Monthly inspections are completed and combined with the monthly station PM's.
- Upload new/updated tie-cards to the UC as required.
- On-going Dig-Safe mark outs. These are completed throughout the Town of Hull to assist and facilitate scheduled and emergency gas repairs, broken water mains, upcoming roadway paving projects, and other residential and town projects. All are listed in the UC summary.



## 9 PROJECT MANAGEMENT & ADMINISTRATION



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

#### April updates:

- Ongoing demo & construction work continued in many areas of the operations building for the HVAC project. Collaborating with Contractors, moving equipment & items as needed for areas being worked in. W&C staff checking in with general contractor daily.
- Continued to assist and support of engineering projects with review and feedback as needed. Conference call with HSD, W&C and W&S to discuss Sec/Inf project and path forward, and what parts will remain, and what parts will be considered at a later date.
- Year #8 Asset Management Account budgets presented to the Sewer Department by Rob Scott on 4/15.
- Review and provide comments and questions on the Draft General Permit for the Wastewater Facility that was issued by the EPA & MADEP. Rob Scott, Paul Hogan, and Aram V provided feedback comments to Brian K while the public comment period was open.
- Working on Jan, Feb & March MOR's to catch up and continue transition with Mike S involvement.
- Working with W&C Engineering on grit system options – replacing of the grit screw and gear box.
- Ongoing discussions with D&C Construction on temporary hypochlorite system and hypo tank replacement
- Radio system work for the plant and pump stations was completed last month. A set of spare parts was ordered from the 06M encumbered funds.
- AV working with Joe Parks – Cybersecurity Manager on W&C capabilities and readiness to respond to emergency type situations. Complete survey to help assess our Emergency Response Plans as well as Manual Operation capabilities.
- Looking at various replacement/spare part options for PS3 pumps/assemblies.



Asset Management Accounts - Year 7							
	FOR APRIL M.O.R.	Actual to date			Projected for Final Estimate		
Account		Budgeted Amount	Spent to Date	Delta	Projected costs and incl PO's	Final est	Delta
07M-101A	Preventive Maint	\$213,028.73	\$148,119.87	\$64,908.86	\$0.00	\$148,119.87	\$64,908.86
07M-102B	Capital and Major Repairs	\$140,000.00	\$152,481.04	(\$12,481.04)	\$0.00	\$152,481.04	(\$12,481.04)
07M-103A	Major Sub Contractors	\$180,465.81	\$254,668.56	(\$74,202.75)	\$0.00	\$254,668.56	(\$74,202.75)
blank							
	Asset Management	\$533,494.54	\$555,269.47	(\$21,774.93)	\$0.00	\$555,269.47	(\$21,774.93)

(\$21,774.93)

Budget expended	Time Status	
	NOW=	6/5/2022
	Start	5/1/2020
69.5%	209.7%	140.2%
108.9%	209.7%	100.8%
141.1%	209.7%	68.6%
104.1%	209.7%	105.6%

07S	D Street	\$7,500.00	\$7,681.09	(\$181.09)	\$0.00	\$7,681.09	(\$181.09)
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102.4%	209.7%	107.3%
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07C	Odor Control Chemicals	\$100,000.00	\$77,077.68	\$22,922.32	\$0.00	\$77,077.68	\$22,922.32
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77.1%	209.7%	132.6%
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Estimated total  
remaining 07M,  
07C \$1,147.39



Hull 2021-2022 - 07M Projects, Tasks, and Needs - (AV)								
Maintenance Account - Year 7 - 05_01_21 to 04_30_22								
FOR APRIL 2021 M.O.R.					\$0.00			6/5/2022 9:58
Priority [1=high]	Description	Status	completed	Task	Estimates & funds remaining	Final Completed Cost	Lead	Comments
1	Mechanical Work Labor by O&M specialists	On Going		101A				Jody St. George, Paul Horigan & WC Support Staff - Total budget \$25,000; incl annual scrubber cleaning, remove old blowers [mech];other items as needed. Adj budget down to \$9,000 - 11/22. Adjust 12/19;adj placeholder \$\$ 1/3/22; adj to zero 2/8/22
1	Pump and Motor Repairs [invoiced and pcard]	On Going		101A				to keep existing equipment running - utilize various outside contractor repair shops, new purchases. orig budget \$20,000; adjust to 6000 11/22, <b>adjust on 2/8/22</b> ; <b>adjust to zero 4/4/22</b>
1	Lubricants	On Going		101A				Various Suppliers for oil and grease. Budgeted \$3500. delete \$\$ on 2/2 & move to gen repairs
1	Generator Repairs	completed		101A				General Repair Work - Original <b>Placeholder</b> \$3,000; pending invoice for water solenoed main gen oct 2020; Adj 11/22 to \$2000. Will have rental \$\$, and repair \$\$ for PS6 generator. Main Gen #2 also eval-repairs. Budget at \$3,500. 3/8- Incl with PO issued to SSGen
1	Fire Alarm Inspections and Service	completed		101A				Semi Annual - Hart Security [October & April , central station, & Service]Orig budget \$3000. Adjust to zero 4/4/22. Semi-annual services completed in mid April.
2	Universal waste disposal	Pending		101A				Placeholder - \$500; zero the budget, will incur if needed. Veolia ES in for January services.
1	Service the Forklift	Pending		101A				Placeholder \$400 - Annual cost - outside vendor, <b>will be under 08M</b>
1	Overhead Hoist Inspection	Pending		101A				Annual task - Applied Dynamics - PO is usually issued for April. \$1500 <b>Will be an 08M</b>
1	Flow meter verification and calibration	Pending		101A				Placeholder - Annual - Ray Ferland 1 visit annually [orig budget \$1,000]; <b>Will be under 08M</b>
1	Facility Building - Roof Inspection	Pending		101A				\$2800 Annual Placeholder - Established contract with Tecta America. <b>Spril 2022 services may be delayed due to HVAC project. Not going to happen under 07M, will put into 08M</b>
1	Pump Station #9 - Repairs Immediate	completed		101A		\$6,900.00		Costs from D&C to be charged to budget Oct 2021
2	Jerome H2S Meter Inspection	Pending		101A				\$1100 - Placeholder for Annual Inspection - sent out includes annual service \$1100; not done in year #6 [remove placeholder 10/25
1	Janitorial Supplies	On Going		101A				Estimated annual expenditures - Orig budget \$4,000; adj 12/19;adj to \$1,000 on 2/2/22
1	Manhole Inspections	Pending		101A				As required,and/or scheduled
2	General mechanical and electrical items/supplies	On Going		101A				Grainger, FWWebb, EJP,Hoadley, McMasterCarr, etc; orig budget \$18,000, adjust to \$9,000 on 10/20; adjust to 6500 on 11/22; adj 12/19 to \$5000; adj to \$2000 on 2/2/22. Zero out on 3/8.
1	IR Survey	completed		101A				Done in 2021 [September]
2	Hoses	completed		101A				Replacements and/or Service - On-Going - As Needed; Purchased three 6-inch hoses, close out budget Oct 2021
1	Replace UPS batteries - plant and pump stations & town trailer	completed		101A				in process - started Oct 2021; Readjust budget to \$4,500.on 11/22. Completed 12/19
1	Spare A-C pump rotating assembly repair	completed		101A		\$4,400.74		10/18 - currently in shop for repairs at Seacoast Supply. No PO issued. Repaired unit received back.



Hull 2021-2022 - 07M Projects, Tasks, and Needs - (AV)								
Maintenance Account - Year 7 - 05_01_21 to 04_30_22								
FOR APRIL 2021 M.O.R.					\$0.00			6/5/2022 9:58
Priority [1=high]	Description	Status	completed	Task	Estimates & funds remaining	Final Completed Cost	Lead	Comments
2	Misc. Materials	completed		101A				Hardware Store - \$200.00 per month - reoccurring expense; orig budget \$2,400; Adjust to zero 4/4/22
4	Install a flow meter on the generator cooling water system - plant water	Pending		101A				Have an estimate [Oct 2018]; possible after 5/1/20
1	Lab Equip Calibration	completed		101A				Annual service \$600- usually Jan/Feb. Last done May 2021; process invoice Oct 2021
1	Mech seal[s] for RAS pumps ! & 2	completed		101A		\$4,648.39		P1 repairs in progress as of 10/1/21; estim cost \$5,000. No PO issued.
2	Tecta Roof Repairs - proposed per 2021 inspection	Pending		102B				TBD
2	yard hydrants - installation	Pending		102B				sub-contractor labor - pending; Have materials on hand. To be put on hold until spring 2022 [\$5,000] 2/2/22
1	Pump Station #4 - purchase two new pumps	Completed		102B				Cost: On a PO with MSI - # estim \$35,000 - by AEPump, order id delayed due to supply chain issues [expected May 2022]
1	Pump Station #4 - install new pumps	pending		102B				Most likely by D & C. 3/8 - Date pushed out to April & bill to hit in May ? - \$10,000
1	Effluent Pump #3 - repairs	completed		102B				Currently the 60HP pump is at Flygt Repair shop - estimated repairs and new power cord - \$25,000; Pump still at shop - Dec 2021; <b>No PO was issued. Parts due in for late March. April update: Pump delivered on 4/30, therefore repair costs will go on 08M</b>
1	Sanitaire hardware purchase for aer tk 1	Completed		102B		\$12,776.00		Purchase more hardware - done June/July 2021 [not billed yet]
1	Additional Sanitaire hardware/equip needs	completed		102B		\$2,612.00		Additional 350 membrane diffusers for aeration tank #1 [ordered 10/19/21
3	Replace 6" potable water valve in basement and misc. valves	On Going		102B				While doing project check/replace 1 1/4 valves as needed - Requires a water shutdown, on hold until after HVAC project completed. Orig planned cost \$3,000, but scope has increased with all of the plant water system & plumbing needs also. Will be an 08M charge.
2	New 6" portable trash pump - <b>changed to new effluent P3 - Flowserve</b>	On Going		102B				Purchase from either Sourcewell or other -best estimate: <b>Update 2/8 to AquaSolutions - purchase of new effluent pump #3 - 60HP pump. On an issued PO 104175 under 07M.</b>
1	New Effluent Flygt Pump #4	completed		102B				20 HP pump ordered October 2021. on a PO Estim cost: <b>\$17,000 plus freight</b>
3	New 4-inch valves for pri building between the tanks Installation	Pending		102B				Valves - cost: \$2500, sub-contracted labor - either WC or outside co.\$4,000 - <b>totl estim \$6,500</b>
3	Odor log data loggers & calibr kit	Pending		102B				Current units obsolete and not supported by company, possibly look at under 05C if funds avail; remove the \$6,000 on 2/6/20 - 06C or 06M
3	Jerome meter replacement	Pending		102B				replace unit, if done \$11,000
3	Gravity Thickener #1 sandblasting/painting	Pending		102B				Estimate \$45,000+ - would need to go out for competitive bid request, Target late spring/early summer 2022 ?
2 of 4 6/5/2022 2	AUMA spare electric actuator	completed		102B	2020_05_01_07M_Checkbook_YTD draft			one spare unit, for inventory - Quoted by A&N. PO requested.& on order.#103652, unit delivered April 18th



Hull 2021-2022 - 07M Projects, Tasks, and Needs - (AV)								
Maintenance Account - Year 7 - 05_01_21 to 04_30_22								
FOR APRIL 2021 M.O.R.					\$0.00			6/5/2022 9:58
Priority [1=high]	Description	Status	completed	Task	Estimates & funds remaining	Final Completed Cost	Lead	Comments
1	Grit classifier system parts	On Going		102B				No spare parts - tail shft housing, tail shaft, bushing, retainer plate, etc.Estimate from DGMarshall, HE Moore and Envirodyne.  Parts purchasing initiated Dec 2021.  Estimated total \$9,000. DGMarshall parts delayed, will post under 08M.
2	Replacement Pumps LS A	Pending		102B				Pump efficiency lower than desired - new pumps may be needed.  Estimate ?
1	Electrical Work	On Going		103A				Electricians: Glen Fellows, HiVoltage, other; remv old blowers.lighting, sec bldg elec outlets - \$2,000/month; orig budget \$25,000; adjust down to \$4,000. Adjust down & zero out on 12/19.
1	SCADA Work	On Going		103A				Steve Rose and the SCADA Support Team; orig budget \$25,000; adj Dec 2021.  Adjust budget remaining from 11K down to 6K; adjust budget down 2/8/22 to - \$2,500; REDUCE TO ZERO, due to April service visits
1	E-One Repairs and Replacement	completed		103A				Based on historical costs.  E1 repairs where cost-effective & new replacement pumps; control panels, other equip; Orig  budget \$25,000; More replacement pumps versus repairs.  Reduce budget to 15K on 10/6;  adj to 12K on 10/25; Adjust budget on 11/22 to \$3000.  Adjust budget to Zero 12/19.  1/2/22 YTD costs \$28K.  2/2/22 - ongoing repairs & increased costs.  Completed what was in for repairs & posted to 07M
1	Annual Generator inspection	completed		103A				placeholder 2021 Annual \$4,900 - MSElectrical Power - Generator PM/Service work - due in November, Early Dec target completion.  2/2/22 New Contractor will be in place for 2022.  SSGEN - incl with PO issued to SSGEn.  Annual PM services completed in April 2022.
1	Automatic Transfer Switch inspection and servicing	Pending		103A				\$2400 - Annual Service planned for April Highland Power - NETS - Transfer Switch; Part of Gen Svc PO.  Maypush this to after May 1st 2022 [2/2/22]
1	Wetwell Inspections and Cleaning - Plant/Pump Stations	On Going		103A				As required, plant or pump stations; orig budget \$10,000; adj 12/19 down to \$5000.  3/8 - adj placeholder down to \$3,000.  Adjust to zero [4/4/22]
1	Sewer Line Cleaning - Emergencies	On Going		103A				Placeholder - As required for various sub-contractors; could be Hoadley, Truax, WindRiver, BMC, or other, collection system & plant; <b>orig budget \$10,000</b> ; adj budget down to \$5,000 10/20; adjust  down 1/3/22; Reduce to zero for Hoadley and Next Level work in late March/early April
1	Collection System and plant - emerg & unplanned calls - Jetting & CCTV work - various contractors	On Going		103A				Budget - 15,000, adj down to 10K on 10/20; <b>Reverse budget to Zero after PS9 Pump &amp; Haul in January for FM evaluation. [2/2/22]</b>
1	Mersino 6" pump rental	completed		103A				approx \$2600 per month; adj budget down due to payments 11/22; adj 12/19.  Pump returned at end of March rental period.
1	Aer tank repairs [labor] through September	completed		103A				4 days - millwrights - Lydon \$8000
2	Aer tank repairs [labor] for diffuser membrane replacement	completed		103A		\$1,952.92		2 days - millwrights - Lydon \$6300; Aeration tank #3, aeration tank #1
3	Regen Aeration System - Pump Station #5	Pending		103A				Orig est \$1,500 -Tie into the SCADA system - Glen Fellows; .
3	SHT1 - demo of equip, air piping & diffuser install/materials	Pending		103A				demo concrete in tank - \$15,000 - sub-contractor and installation of new equip -additional new equip \$6,000; air piping to the tank \$10,000;  Total estimate:  \$31,000.  Maybe year 8M project ?
4	Generators - Load Bank Testing Plant & Pump Stations	Pending		103A				Look at under 08M - recently done under 06M.
1	EESCO electrical MCC work - plant	completed		103A		\$10,235.00		In progress as of September 2021, and to be completed October 2021
1	EESCO MCC work at the Pump Stations	Pending		103A				TBD quoted for Oct/Nov 2021
1	Low pressure sewer valve box insp & mtce	Pending		103A				placeholder for contractor O&M inspections and potential repairs; Looking at Rosano-Davis or another contractor & W&C to  investigate; budget of \$7,500 on hold
3 of 41	6/5/2022LS A pumps - Repairs to P2 by Industrial Pump	On Going		101A	2020_05_01_07M_Checkbook_YTD draft			Placeholder - 4/12 - Evaluating cost for pump repair while relacement costs for parts or new pumps are looked at..Spare assembly still at shop - repairs authorized March/April - Estim \$8,000



Hull 2021-2022 - 07M Projects, Tasks, and Needs - (AV)								
Maintenance Account - Year 7 - 05_01_21 to 04_30_22								
FOR APRIL 2021 M.O.R.					\$0.00			<a href="#">6/5/2022 9:58</a>
Priority [1=high]	Description	Status	<i>completed</i>	Task	Estimates & funds remaining	Final Completed Cost	<i>Lead</i>	Comments
1	PC #2 rake repairs - Lydon	completed		103A		\$33,370.77		Time and materials per proposal;[\$18,000]Revised estimate due to additional issues not seen with first inspection. Estimated additional \$\$ - \$15,000
1	PC2 remaining repairs - turnbuickles	completed		103A				installation - INCL above.
1	Aeration Tank #1 mechanical assistance	completed		103A		\$6,911.47		hardware replacement and diffuser replacement - Late Nov, Early Dec.3 days of contractor assistance.
1	Deragger PS3 for Pump #2	completed		102B				Needs to be completed by MSI, additional electrican assistance. Completed and functional.
TOTAL					\$0.00			





# Maintenance History Report

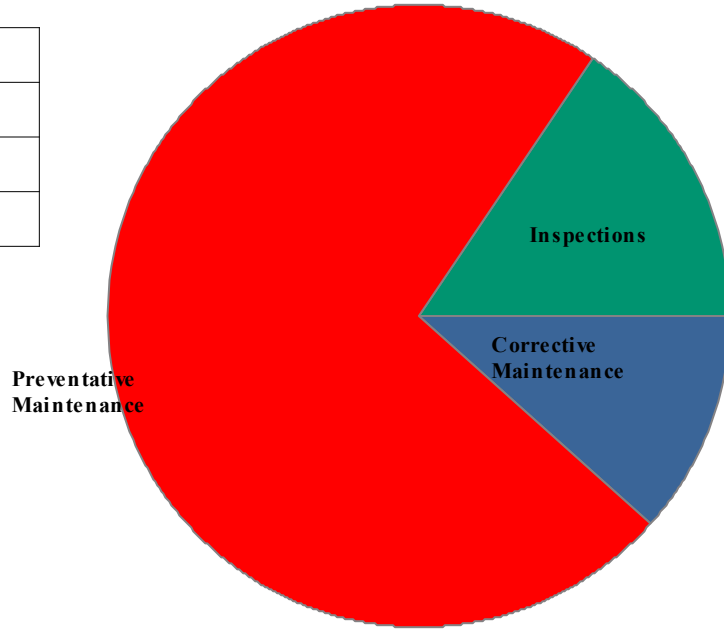
Start Date: 4/1/2022

End Date: 4/30/2022

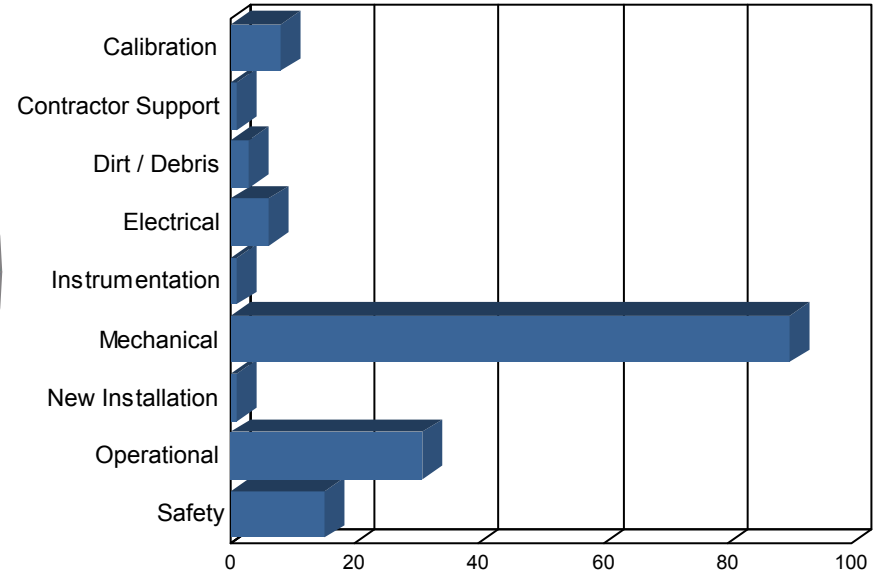
## Hull Wastewater

Work Order History By Type

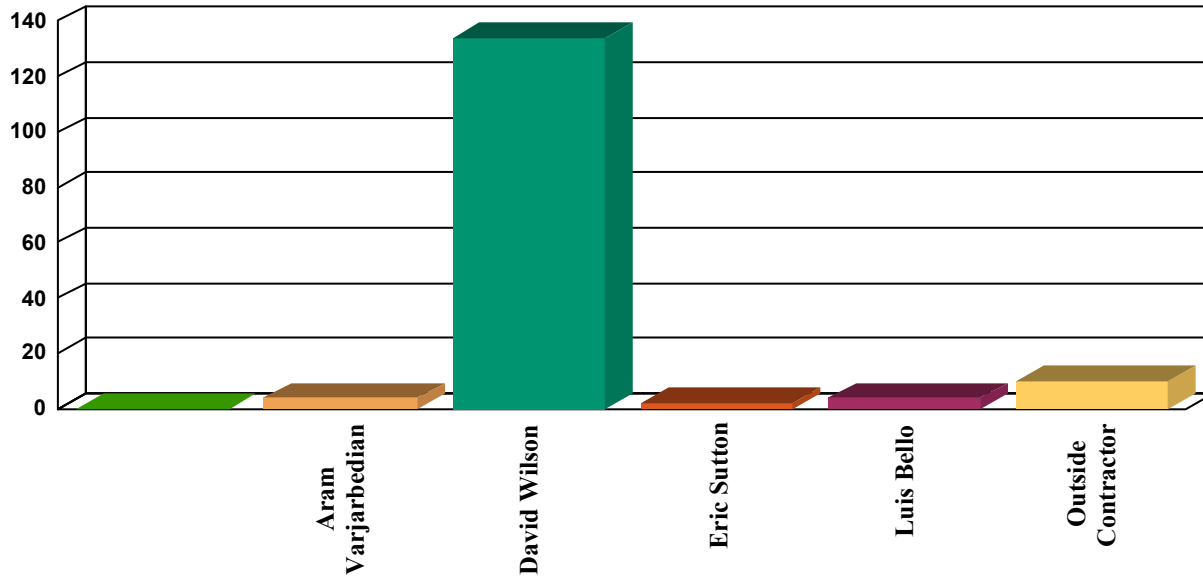
Corrective Maintenance	18
Inspections	24
Preventative Maintenance	113
<b>Total Work Orders</b>	<b>155</b>



Work Order History by Reason



Work Order History By Employee



Employee	WO Count	Labor Hours
Aram Varjarbedian	4	4
David Wilson	133	79
Eric Sutton	2	0
Luis Bello	4	3
Outside Contractor	10	7
Unassigned	2	1
<b>Totals</b>	<b>155</b>	<b>94</b>



## Corrective Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
4/1/22	15762	PS 9 Wet Well	Replace failed level transducer.	Wired new transducer.	David Wilson	3/27/22	Completed
4/4/22	15764	Ventis MX4 #2 - 4 Gas	Failed O2 sensor	Calibrated meter. O2 did not pass. Disassembled meter and inspected sensor. Requires replacement. Reassembled and took out of service.	David Wilson	4/4/22	Completed
4/4/22	15765	Ventis MX4 #5 - 4 Gas	Replace failed battery and calibrate	Battery will not accept a charge. Replaced failed battery. Let fully charge and performed calibration.	David Wilson	4/4/22	Completed
4/7/22	15766	PS 1 Pump 1	Clean and inspect of pump assembly.	LOTO of equipment. Removed volute cleanouts and check valve cover. Removed large rag ball from behind disk. Returned to service.	David Wilson	4/7/22	Completed
4/7/22	15767	PS 1 Pump 2	Clean and inspect pump assembly	LOTO of equipment. Removed cleanouts from volute and cover from check valve. Removed rag ball from check valve. Returned to service.	David Wilson	4/7/22	Completed
4/7/22	15768	PS 4 GridBee Compressor	Replaced failed aerator compressor.	Installed new aerator compressor. Reduced discharge line from 5/8 to 1/2 inch in order to use existing hose.	David Wilson	4/7/22	Completed
4/8/22	15769	Ventis MX4 #5 - 4 Gas	Replace failed sensor and calibrate	Disassembled four gas meter. Removed failed oxygen sensor. Installed new sensor and reassembled four gas meter. Zeroed meters and calibrated sensors. All sensors passed. Returned to service.	David Wilson	4/8/22	Completed
4/10/22	15770	Operations Building	relocate universal waste area	Move items from aeration blower room to back room area, with access and storage.	Aram Varjarbedian	4/10/22	Completed
4/13/22	15771	PS Onan Trailer mounted generator	Replace batteries	Removed 4 year old batteries from service. Ordered replacements and trickle charged both to 100%. Marked installation date and installed new batteries.	David Wilson	4/13/22	Completed
4/13/22	15772	PS 9 Piping and Valves	Replace failed return spring on pump 1 check valve.	DW/ES Replaced failed return spring on pump 1 check valve.	David Wilson	4/13/22	Completed
4/14/22	15773	Grinder Pump 31 RICHARDS ROAD	Contractors request isolation of grinder pump and panel.	Unlocked panel for contractor. Rot being addressed and siding being replaced. Made contractor aware that the panel needed to be isolated from the main breaker. Panel cover needed to be removed in order to reattach to siding.	David Wilson	4/14/22	Completed
4/14/22	15774	RAS Pump 1	Upper motor bearing failed	DW/LB Verified LOTO. Installed hub and coupling. Mounted motor. Adjusted coupling spacing. Installed gaurd. Wired motor and performed bump test. Rotation is good. Pump is available but locally isolated.	David Wilson	4/14/22	Completed
4/15/22	15775	Hypochlorite Pump 3	Plant water Hypo pump head failure.	DW/LB, Hypo chemical room clean up. Removed approximately 7 gallons. Pump failure do to esecessively worn bearing. Replaced pump assembly, and return to service.	Luis Bello	4/15/22	Completed
4/21/22	15777	Plant Water Pump 2	motor failure, remove pump	Electr check by GlennF found motor shorted at motor. AV and DW Loto of pump and remove from skid in sub basement and hoist up to the shop	Aram Varjarbedian	4/21/22	Completed
4/21/22	15778	Influent Sluice Isolation Gate	Actuator over torque diag and repair.	Set Rotork actuator to local. Removed stem cover. Removed old grease from stem and bushing. Applied new grease and exercised gate through its full range of motion.	David Wilson	4/21/22	Completed



## Corrective Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
4/26/22	15780	Effluent Pumps	remove conduit for pumps in basement	HiVoltage removed rigid electrical conduit and wires no longer being used for effluent pumps #2, #3. These were in the way of HVAC ductwork, and no longer needed. Cap off where neccessary.	Outside Contractor	4/26/22	Completed
4/26/22	15779	Sludge Storage Tank 2	Inspection and repair of diffuser system	DW/ES/LB Set up CSE and entered space. Inspected hardware and made necessary repairs. Replaced 8 1/2" finished hex nuts, 6 3/8 finished hex nuts, 6 3/8 washers, 1 4" o-ring, and 1 3/8 anchor. All hardware replaced is 316 stainless steel. Set torque on all anchors. Torqued and turned all diffuser bezels. Torqued all collars. Torqued all straps. Cleaned and put away all tools and PPE.	David Wilson	4/26/22	Completed
4/29/22	15781	Plant Water System	Failed metering tube	Isolated hypochlorite pump. Bled off line pressure. Removed metering tube and pump head. Cleaned off chemical. Replaced metering tube and returned to service.	David Wilson	4/29/22	Completed

## Inspections

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
4/5/22	15387	Fire Extinguishers	WWTF Fire Extinguisher Inspections - Monthly		David Wilson	4/4/22	Completed
4/5/22	15301	Eyewash Stations	WWTF Eyewash Inspection - Weekly		David Wilson	4/3/22	Completed
4/5/22	15146	Eyewash Stations	WWTF Eyewash Inspection - Weekly		David Wilson	3/27/22	Completed
4/13/22	15349	PS 1	PS #1 Inspection - Monthly	DW/ES Completed monthly inspection. Wet well has about 15% surface solids. No issues found.	David Wilson	4/7/22	Completed
4/13/22	15350	PS 3	PS #3 Inspection - Monthly	DW/ES Completed monthly inspection. Glen Fellows still needs to reseal motor conduit on both pumps and replace deragger display for pump 1. Ground water still dripping onto conduit keeping pump 2 wet.	David Wilson	4/7/22	Completed
4/13/22	15351	PS 4	PS #4 Inspection - Monthly	DW/ES Completed monthly inspection. Wet well has about 30% surface solids.	David Wilson	4/7/22	Completed
4/13/22	15352	PS 5	PS #5 Inspection - Monthly	DW/ES Completed monthly inspection. No new issues found. Mike P from High Voltage is supposed to mount space heater.	David Wilson	4/7/22	Completed
4/13/22	15353	PS 6	PS #6 Inspection - Monthly	DW/ES Completed monthly inspection. No issues found.	David Wilson	4/7/22	Completed
4/13/22	15354	PS 9	PS #9 Inspection - Monthly	DW/ES Completed monthly inspection. Found broken check valve return spring.	David Wilson	4/7/22	Completed
4/13/22	15355	PS A	PS #A Inspection - Monthly	DW/ES Completed monthly inspection. Wet well has about 10% surface solids.	David Wilson	4/7/22	Completed
4/18/22	15303	Eyewash Stations	WWTF Eyewash Inspection - Weekly		David Wilson	4/17/22	Completed
4/18/22	15306	Emergency Lighting & exit signs	Emergency Lighting Inspection - Monthly		David Wilson	4/13/22	Completed
4/18/22	15302	Eyewash Stations	WWTF Eyewash Inspection - Weekly		David Wilson	4/10/22	Completed



## Inspections

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
4/18/22	15437	Blower Room Exhaust Fan 1	Monthly operational inspection		David Wilson	4/1/22	Completed
4/18/22	15438	Blower Room Exhaust Fan 2	Monthly operational inspection		David Wilson	4/1/22	Completed
4/21/22	15403	Primary Electrical Power Manhole	Inspect Primary Electrical Manhole		David Wilson	4/5/22	Completed
4/21/22	15258	Truck 4 - 2015 Nissan Frontier	Monthly vehicle inspection on do-Forms	No issues in March	Aram Varjarbedian	3/7/22	Completed
4/21/22	15415	Truck 4 - 2015 Nissan Frontier	Monthly vehicle inspection on do-Forms	No issues. Mileage 140800. Install mudguards, safety chks done	Aram Varjarbedian	4/4/22	Completed
4/27/22	15402	Seconday Electrical Control Manhole	Inspect Secondary Electrical Manhole	Pumped out rain water from vault. Cleaned frame seal and cleared growth around frame.	David Wilson	4/5/22	Completed
4/28/22	15304	Eyewash Stations	WWTF Eyewash Inspection - Weekly		David Wilson	4/24/22	Completed
4/29/22	15401	Truck 2 - 2009 Chevy 2500 HD	Monthly vehicle inspection on do-Forms	Truck is going to Wilder Brothers for service.	David Wilson	4/4/22	Completed
4/29/22	15782	Truck 2 - 2009 Chevy 2500 HD	Perform vehicle inspection	Inspected vehicle - See doFORMS report for full details.		4/29/22	Completed
4/29/22	15783	Truck 3 - 2015 Chevy 3500 HD	Perform vehicle inspection	Inspected vehicle - See doFORMS report for full details.		4/29/22	Completed
4/29/22	15414	Truck 3 - 2015 Chevy 3500 HD	Monthly vehicle inspection on do-Forms		David Wilson	4/4/22	Completed

## Preventative Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
4/1/22	15173	Aeration Blower 1	Aeration Blower #1 Air Filter Inspection - monthly		Luis Bello	3/22/22	Completed
4/1/22	15174	Aeration Blower 2	Aeration Blower #2 Air Filter Inspection - Monthly		Luis Bello	3/24/22	Completed
4/1/22	15262	High level floats	Weekly High Float Alarm test		David Wilson	3/27/22	Completed
4/1/22	15276	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY		David Wilson	3/27/22	Completed
4/1/22	14993	Aeration Blower 2	Aeration Blower #2 Oil Change - Semi Annual	Blower offline.	David Wilson	2/22/22	Completed
4/1/22	15150	Generator #2 - Backup Detroit 500	Generator Weekly - Test Run no load		David Wilson	3/28/22	Completed
4/4/22	15337	Odor Control Wet Scrubber Vessel	Chemical wash		David Wilson	4/1/22	Completed
4/4/22	15249	Ventis MX4 #6 - 4 Gas	4 Gas Meter #6 Calibration - Monthly		David Wilson	3/31/22	Completed
4/4/22	15245	Ventis MX4 #2 - 4 Gas	4 Gas Meter #2 Calibration - Monthly	Failed O2 sensor. Taken out of service while part is on order.	David Wilson	3/31/22	Completed
4/4/22	15248	Ventis MX4 #5 - 4 Gas	4 Gas Meter #5 Calibration - Monthly		David Wilson	3/31/22	Completed
4/4/22	15246	Ventis MX4 #3 - 4 Gas	4 Gas Meter #3 Calibration - Monthly		David Wilson	3/31/22	Completed
4/4/22	15247	Ventis MX4 #4 - 4 Gas	4 Gas Meter #4 Calibration - Monthly		David Wilson	3/31/22	Completed
4/4/22	15423	pH meter	Clean and Calibrate		David Wilson	4/1/22	Completed
4/4/22	15268	ORP meter	Clean and Calibrate		David Wilson	3/10/22	Completed



## Preventative Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
4/4/22	14015	Generator #1- Emergency Kohler 750	Generator #1 PM -Annual	Andrew from South Shore Generator in to perform annual services on all plant and station generators.	Outside Contractor	8/15/21	Completed
4/4/22	14007	Generator #2 - Backup Detroit 500	Generator #2 (Backup) PM -Annual		Outside Contractor	8/15/21	Completed
4/6/22	15416	High level floats	Weekly High Float Alarm test		David Wilson	4/3/22	Completed
4/6/22	15318	Influent Sluice Isolation Gate	Weekly operate through full range		David Wilson	4/6/22	Completed
4/6/22	15323	Mechanical Screen & Washpress System	Annual Maintenance	Power washed flex rake and wash press system. Inspected all linkage pivot points for excessive wear. Inspected all snap rings. Inspected gear reducers and drive system. Inspected all flights, scraping assembly and rollers. Inspected wash press and drainage. Good overall.	David Wilson	4/4/22	Completed
4/6/22	15322	Mechanical Screen & Washpress System	Monthly Maintenance	Inspected drive motors and lubricated all bearings.	David Wilson	4/4/22	Completed
4/6/22	15380	PS 9 Generator	PS #9 Generator Inspection and Load Test - Monthly		David Wilson	4/6/22	Completed
4/6/22	15382	PS 6 Generator	PS #6 Generator Inspection and Test - Weekly		David Wilson	4/6/22	Completed
4/6/22	15376	PS 9 Generator	PS #9 Generator Inspection and Test - Weekly		David Wilson	4/6/22	Completed
4/6/22	15381	PS 6 Generator	PS #5 Generator Inspection and Load Test - Monthly		David Wilson	4/6/22	Completed
4/6/22	15360	PS 1 Generator	PS #1 Generator Inspection and Load Test - Monthly		David Wilson	4/6/22	Completed
4/6/22	15356	PS 1 Generator	PS #1 Generator Inspection and Test - Weekly		David Wilson	4/6/22	Completed
4/6/22	15395	PS Kohler Trailer Mounted Generator	Generator - Monthly Load Test		David Wilson	4/3/22	Completed
4/8/22	15426	Generators "All Pump Station"	Generator - Monthly Load Test		David Wilson	4/3/22	Completed
4/8/22	15430	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY		David Wilson	4/3/22	Completed
4/8/22	15361	PS 3 Generator	PS #3 Generator Inspection and Load Test - Monthly		Outside Contractor	4/6/22	Completed
4/8/22	15362	PS 3 Generator	PS #3 Generator Inspection and Test - Weekly		Outside Contractor	4/6/22	Completed
4/8/22	15370	PS 4 Generator	PS #4 Generator Inspection and Load Test - Monthly		Outside Contractor	4/6/22	Completed
4/8/22	15366	PS 4 Generator	PS #4 Generator Inspection and Test - Weekly		Outside Contractor	4/6/22	Completed
4/8/22	15371	PS 5 Generator	PS #5 Generator Inspection and Load Test - Monthly		Outside Contractor	4/6/22	Completed
4/8/22	15372	PS 5 Generator	PS #5 Generator Inspection and Test - Weekly		Outside Contractor	4/6/22	Completed
4/8/22	15299	Portable Generator - Honda	Portable Generator Inspection - Monthly		David Wilson	4/6/22	Completed
4/12/22	15177	Effluent Pumps	Effluent Pump - Monthly		David Wilson	3/15/22	Completed
4/12/22	15407	Effluent Pump #1 discharge valve	Isolation Valve Exercise		David Wilson	4/1/22	Completed



## Preventative Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
4/12/22	15408	Effluent Pump #2 discharge valve	Isolation Valve Exercise		David Wilson	4/1/22	Completed
4/12/22	15409	Effluent Pump #3 discharge valve	Isolation Valve Exercise		David Wilson	4/1/22	Completed
4/12/22	15334	Effluent Pumps	Effluent Pump Semi-Annual valve exercise		David Wilson	4/1/22	Completed
4/12/22	15410	Effluent Pump #4 discharge valve	Isolation Valve Exercise		David Wilson	4/1/22	Completed
4/12/22	15417	High level floats	Weekly High Float Alarm test		David Wilson	4/10/22	Completed
4/12/22	15335	Effluent Pump 1	Isolation Valve Exercise		David Wilson	4/1/22	Completed
4/13/22	15441	Effluent Flow Meter Isolation Valve	Isolation Valve Exercise		David Wilson	4/1/22	Completed
4/13/22	15339	RAS Pump 1	Monthly Check Pump Couplings	Motor back from Blanchard electric. Lowered into secondary gallery.	David Wilson	4/6/22	Completed
4/13/22	15312	Generator #1- Emergency Kohler 750	Generator Weekly - Test Run no load		David Wilson	4/11/22	Completed
4/13/22	15308	Generator #2 - Backup Detroit 500	Generator Weekly - Test Run no load		David Wilson	4/11/22	Completed
4/13/22	15427	Generators "All Pump Station"	Generator Weekly - Test Run no load		Eric Sutton	4/11/22	Completed
4/13/22	15392	PS Kohler Trailer Mounted Generator	Generator Weekly - Test Run no load		David Wilson	4/11/22	Completed
4/14/22	15324	Influent Pump 1	Monthly Check Pump Couplings		David Wilson	4/6/22	Completed
4/14/22	15325	Influent Pump 2	Monthly Check Pump Couplings		David Wilson	4/6/22	Completed
4/14/22	15326	Influent Pump 3	Monthly Check Pump Couplings		David Wilson	4/6/22	Completed
4/14/22	15327	Influent Pump 4	Monthly Check Pump Couplings		David Wilson	4/6/22	Completed
4/14/22	15328	Influent Pump 5	Monthly Check Pump Couplings		David Wilson	4/6/22	Completed
4/14/22	15345	Primary Sludge Pump 1	Monthly Check Pump Couplings		David Wilson	4/6/22	Completed
4/14/22	15340	RAS Pump 2	Monthly Check Pump Couplings		David Wilson	4/6/22	Completed
4/14/22	15346	Primary Sludge Pump 2	Monthly Check Pump Couplings		David Wilson	4/6/22	Completed
4/14/22	15341	RAS Pump 3	Monthly Check Pump Couplings		David Wilson	4/6/22	Completed
4/14/22	15343	RST Feed Pump 1	Monthly Check Pump Couplings		David Wilson	4/6/22	Completed
4/14/22	15344	RST Feed Pump 2	Monthly Check Pump Couplings		David Wilson	4/6/22	Completed
4/14/22	15347	Sludge Transfer Pump 1	Monthly Check Pump Couplings		David Wilson	4/6/22	Completed
4/14/22	15348	Sludge Transfer Pump 2	Monthly Check Pump Couplings		David Wilson	4/6/22	Completed
4/15/22	15776	30 - WW Treatment Plant - General	Lawnmower annual service	Cleaned spark plug and set gap. Added fresh fuel. Removed and sharpened blade. Cleaned air filter. Brought up to operating temp and set idle.	David Wilson	4/15/22	Completed
4/18/22	15357	PS 1 Generator	PS #1 Generator Inspection and Test - Weekly		David Wilson	4/13/22	Completed



## Preventative Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
4/18/22	15363	PS 3 Generator	PS #3 Generator Inspection and Test - Weekly		David Wilson	4/13/22	Completed
4/18/22	15367	PS 4 Generator	PS #4 Generator Inspection and Test - Weekly		David Wilson	4/13/22	Completed
4/18/22	15373	PS 5 Generator	PS #5 Generator Inspection and Test - Weekly		David Wilson	4/13/22	Completed
4/18/22	15377	PS 9 Generator	PS #9 Generator Inspection and Test - Weekly		David Wilson	4/13/22	Completed
4/18/22	15383	PS 6 Generator	PS #6 Generator Inspection and Test - Weekly		David Wilson	4/13/22	Completed
4/18/22	15432	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY		David Wilson	4/17/22	Completed
4/18/22	15319	Influent Sluice Isolation Gate	Weekly operate through full range		David Wilson	4/13/22	Completed
4/18/22	15431	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY		David Wilson	4/10/22	Completed
4/18/22	15338	Wet Scrubber Fan	Scrubber Exhaust Fan PM - Monthly	Replaced dented zerk fitting on motor.	David Wilson	4/13/22	Completed
4/18/22	15151	Generator #1- Emergency Kohler 750	Generator - Monthly Load Test		David Wilson	3/6/22	Completed
4/18/22	15311	Generator #1- Emergency Kohler 750	Generator - Monthly Load Test		David Wilson	4/3/22	Completed
4/18/22	15307	Generator #2 - Backup Detroit 500	Generator - Monthly Load Test		David Wilson	4/3/22	Completed
4/18/22	14806	Generator #2 - Backup Detroit 500	Generator - Monthly Load Test		David Wilson	1/2/22	Completed
4/19/22	15313	Generator #1- Emergency Kohler 750	Generator Weekly - Test Run no load		David Wilson	4/18/22	Completed
4/19/22	15309	Generator #2 - Backup Detroit 500	Generator Weekly - Test Run no load		David Wilson	4/18/22	Completed
4/19/22	15393	PS Kohler Trailer Mounted Generator	Generator Weekly - Test Run no load		David Wilson	4/18/22	Completed
4/19/22	15428	Generators "All Pump Station"	Generator Weekly - Test Run no load		David Wilson	4/18/22	Completed
4/21/22	15425	FIRE ALARM SYSTEM	Fire alarm - semi annual	Hart Security alarm company in for semi annual insp.	Outside Contractor	4/4/22	Completed
4/21/22	15331	Aeration Tank 1 Oxygen Probe	AT #1 DO Probe Clean and Calibrate - Monthly		David Wilson	4/5/22	Completed
4/21/22	15332	Aeration Tank 3 Oxygen Probe	AT #3 DO Probe Clean and Calibrate - Monthly		David Wilson	4/5/22	Completed
4/21/22	15253	GasAlert Max XTII #2	monthly calibration		David Wilson	3/31/22	Completed
4/21/22	15388	GasAlert Max XTII #1	4 gas meter calibration - monthly		David Wilson	4/1/22	Completed
4/22/22	15320	Influent Sluice Isolation Gate	Weekly operate through full range		David Wilson	4/20/22	Completed
4/22/22	15418	High level floats	Weekly High Float Alarm test		David Wilson	4/17/22	Completed
4/22/22	15358	PS 1 Generator	PS #1 Generator Inspection and Test - Weekly		David Wilson	4/20/22	Completed
4/22/22	15364	PS 3 Generator	PS #3 Generator Inspection and Test - Weekly		David Wilson	4/20/22	Completed
4/22/22	15368	PS 4 Generator	PS #4 Generator Inspection and Test - Weekly		David Wilson	4/20/22	Completed



## Preventative Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
4/22/22	15378	PS 9 Generator	PS #9 Generator Inspection and Test - Weekly		David Wilson	4/20/22	Completed
4/22/22	15384	PS 6 Generator	PS #6 Generator Inspection and Test - Weekly		David Wilson	4/20/22	Completed
4/22/22	15374	PS 5 Generator	PS #5 Generator Inspection and Test - Weekly		David Wilson	4/20/22	Completed
4/26/22	15342	RST unit	RST Annual Maintenance		David Wilson	4/4/22	Completed
4/26/22	15314	Generator #1- Emergency Kohler 750	Generator Weekly - Test Run no load		David Wilson	4/25/22	Completed
4/26/22	15310	Generator #2 - Backup Detroit 500	Generator Weekly - Test Run no load		David Wilson	4/25/22	Completed
4/27/22	15429	Generators "All Pump Station"	Generator Weekly - Test Run no load		Eric Sutton	4/25/22	Completed
4/27/22	15019	Sludge Storage Tank 2	Sludge Holding Tank #2 Cleaning - Annual	DW/AV/LB/ES Drained tank and locked out. CSE into tank for cleaning(6 hours). CSE into tank for hardware inspection and repair(4 hours).	David Wilson	2/2/22	Completed
4/27/22	15394	PS Kholer Trailer Mounted Generator	Generator Weekly - Test Run no load		Luis Bello	4/25/22	Completed
4/28/22	15419	High level floats	Weekly High Float Alarm test		David Wilson	4/24/22	Completed
4/28/22	15433	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY		David Wilson	4/24/22	Completed
4/29/22	15330	Aeration Blower 2	Aeration Blower #2 Air Filter Inspection - Monthly		David Wilson	4/28/22	Completed
4/29/22	15329	Aeration Blower 1	Aeration Blower #1 Air Filter Inspection - monthly		David Wilson	4/26/22	Completed
4/29/22	15321	Influent Sluice Isolation Gate	Weekly operate through full range		David Wilson	4/27/22	Completed
4/29/22	15359	PS 1 Generator	PS #1 Generator Inspection and Test - Weekly		David Wilson	4/27/22	Completed
4/29/22	15365	PS 3 Generator	PS #3 Generator Inspection and Test - Weekly		David Wilson	4/27/22	Completed
4/29/22	15369	PS 4 Generator	PS #4 Generator Inspection and Test - Weekly		David Wilson	4/27/22	Completed
4/29/22	15375	PS 5 Generator	PS #5 Generator Inspection and Test - Weekly		David Wilson	4/27/22	Completed
4/29/22	15379	PS 9 Generator	PS #9 Generator Inspection and Test - Weekly		David Wilson	4/27/22	Completed
4/29/22	15385	PS 6 Generator	PS #6 Generator Inspection and Test - Weekly		David Wilson	4/27/22	Completed
4/29/22	14992	Aeration Blower 1	Aeration Blower #1 Oil Analysis - Semi Annual		David Wilson	2/22/22	Completed

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
4/5/22	15305	Eyewash Stations	All Portable Eye wash stations - semi annual		David Wilson	4/1/22	Completed



Date	Asset ID	Asset Description	Asset Class	Name	Workflow Class
4/13/2022 14:44	03-020	88 MAIN ST	Hull Parcels	Sutton, Eric	Hull - Markout
4/26/2022 13:37	05-033	11 VAUTRINOT AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/7/2022 12:34	10-005	67 PT ALLERTON AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 12:20	10-090	42 BEACON RD	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 13:37	11-013	909 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/4/2022 13:11	11-061	862 B NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Sewer Backup
4/29/2022 10:08	12-032	8 BEACON RD	Hull Parcels	Sutton, Eric	Hull - Markout
4/29/2022 10:39	12-033	6 BEACON RD	Hull Parcels	Sutton, Eric	Hull - Markout
4/29/2022 10:33	12-034	4 BEACON RD	Hull Parcels	Sutton, Eric	Hull - Markout
4/29/2022 10:17	12-035	2 BEACON RD	Hull Parcels	Sutton, Eric	Hull - Markout
4/29/2022 9:57	12-068	12 BLUFF RD	Hull Parcels	Sutton, Eric	Hull - Markout
4/27/2022 14:27	12-073	1 BREAKERS LN	Hull Parcels	Sutton, Eric	Hull - Markout
4/25/2022 13:12	13-047	162 CADISH AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/27/2022 14:25	13-071	39 R STREET	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 10:24	15-091	62 K STREET	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 12:09	15-098	61 K STREET	Hull Parcels	Sutton, Eric	Hull - Markout
4/25/2022 13:15	15-126	760 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/13/2022 14:38	17-127	215 BEACH AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/1/2022 8:22	17-181	231 BEACH AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/26/2022 15:07	19-043	70 A STREET	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 11:34	22-015	274 NEWPORT RD	Hull Parcels	Sutton, Eric	Hull - Markout
4/29/2022 13:04	23-002	537 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/29/2022 13:03	23-003	541 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/29/2022 13:02	23-004	543 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/29/2022 13:00	23-005	547 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/29/2022 12:59	23-006	551 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/29/2022 12:58	23-007	160 KINGSLEY RD	Hull Parcels	Sutton, Eric	Hull - Markout
4/29/2022 12:57	23-008	553 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/25/2022 13:16	23-055	6 LINCOLN ST	Hull Parcels	Sutton, Eric	Hull - Markout
4/13/2022 14:34	23-126	93 MANOMET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 11:37	24-107	230 NEWPORT RD	Hull Parcels	Sutton, Eric	Hull - Markout
4/29/2022 13:39	26-168	505 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/29/2022 13:41	26-170	515 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/29/2022 13:43	26-171	521 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/1/2022 8:26	27-097	25 SAMOSET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 11:33	27-097	25 SAMOSET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 10:41	29-056	59 WHITEHEAD AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/6/2022 15:02	33-001-A	45 HULL SHORE DRIVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/25/2022 13:21	33-100	121 BAY STREET	Hull Parcels	Sutton, Eric	Hull - Markout
4/26/2022 13:49	33-128	39 MERRILL RD	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 10:53	34-015	30 BAY STREET	Hull Parcels	Sutton, Eric	Hull - Markout
4/29/2022 13:06	34-098-B	245 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/20/2022 14:45	36-025	13 MORELAND AVE	Hull Parcels	Sutton, Eric	Hull - Sewer Backup
4/25/2022 13:19	36-176	0 HAMPTON CIRCLE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 11:31	36-179	81 HAMPTON CIRCLE	Hull Parcels	Sutton, Eric	Hull - Markout
4/27/2022 14:20	39-120	50 WYOLA RD	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 11:01	47-064	110 NORTH TRURO ST	Hull Parcels	Sutton, Eric	Hull - Markout
4/27/2022 14:18	48-001	120 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:02	48-002	288 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:04	48-004	286 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:07	48-005	280 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:09	49-059	268 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:11	49-060	264 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:13	49-061	262 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:16	49-078	248 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:18	49-080	244 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/5/2022 10:52	50 Nantasket Ave	50 Nantasket Ave Grinder Pump	Hull Grinder Pumps	Sutton, Eric	Hull - Grinder Pump Maintenance
4/11/2022 14:47	51-006	181 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:45	51-007	187 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:39	51-009	205 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:28	51-010	207 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:26	51-011	211 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:25	51-022	215 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:41	51-027	212 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:42	51-049-A	6 STONY BEACH RD	Hull Parcels	Sutton, Eric	Hull - Markout



Date	Asset ID	Asset Description	Asset Class	Name	Workflow Class
4/11/2022 14:43	51-049-C	206 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:24	51-050	242 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:52	51-133	188 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 8:00	52-011	168 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 7:58	52-012	170 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 7:57	52-013	172 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/6/2022 13:18	52-014	174 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 15:02	52-014	174 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/6/2022 13:16	52-015	184 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:58	52-015	184 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:54	52-016	186 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 8:08	52-018	158 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 8:09	52-019	156 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 8:10	52-020	152 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 8:12	52-021	150 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 8:15	52-022	146 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 8:16	52-023	144 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/13/2022 14:40	52-023	144 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/11/2022 14:49	52-056-A	179 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 8:22	52-057	140 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 8:24	52-059	138 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 8:26	53-027	134 A ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 8:29	53-028-A	128 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 8:31	53-031	126 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 8:33	53-036	120 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:02	53-038	116 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:04	53-042	112 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:05	53-043	110 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:08	53-044	108 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:11	53-045	106 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:14	53-047	100 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:16	53-048	98 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:17	53-049	96 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:19	53-051	94 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:20	53-052	92 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:22	53-053	90 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:24	53-054	88 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:36	54-001	40 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:38	54-009-A	38 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:34	54-035-A	78 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:25	54-041	86 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:27	54-042	84 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:30	54-043	82 A ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:31	54-045	80 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:40	55-007	4 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/12/2022 14:42	55-008	2 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout
4/5/2022 10:47	96 N Truro St	96 N Truro St Grinder Pump	Hull Grinder Pumps	Sutton, Eric	Hull - Grinder Pump Maintenance
4/7/2022 14:51	Bacteria UNIT #21	UNIT #21	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:42	Bacteria UNIT #21	UNIT #21	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:47	Bacteria UNIT #22	UNIT #22	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:30	Bateria UNIT # 8	UNIT # 8	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:25	Bateria UNIT #1	UNIT #1	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:30	Bateria UNIT #10	UNIT #10	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:36	Bateria UNIT #11	UNIT #11	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:45	Bateria UNIT #12	UNIT #12	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:44	Bateria UNIT #13	UNIT #13	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:43	Bateria UNIT #14	UNIT #14	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:40	Bateria UNIT #15	UNIT #15	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:37	Bateria UNIT #16	UNIT #16	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:32	Bateria UNIT #17	UNIT #17	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:35	Bateria UNIT #18	UNIT #18	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:34	Bateria UNIT #19	UNIT #19	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:26	Bateria UNIT #2	UNIT #2	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:38	Bateria UNIT #20	UNIT #20	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:46	Bateria UNIT #23	UNIT #23	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units



Date	Asset ID	Asset Description	Asset Class	Name	Workflow Class
4/28/2022 14:24	Bateria UNIT #24	UNIT #24	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/7/2022 14:50	Bateria UNIT #3	UNIT #3	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:33	Bateria UNIT #3	UNIT #3	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/7/2022 14:35	Bateria UNIT #4	UNIT #4	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:23	Bateria UNIT #4	UNIT #4	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:28	Bateria UNIT #5	UNIT #5	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:27	Bateria UNIT #6	UNIT #6	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:29	Bateria UNIT #7	UNIT #7	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/28/2022 14:47	Bateria UNIT #9	UNIT #9	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units
4/6/2022 14:56	MH-20240	SEMS_Asset	Sanitary Manhole	Sutton, Eric	Generic WO