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woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

HULL WATER POLLUTION CONTROL FACILITY

October 2020

MONTHLY OPERATING REPORT

2.1



NPDES NO. MA0101231

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Cover pictures:

[top] W&C and Hull Sewer Dept response to sewer back-up on Spring Street [10/13/20] [bottom] Cleaning of the screenings box that is being used for the headworks bypass.

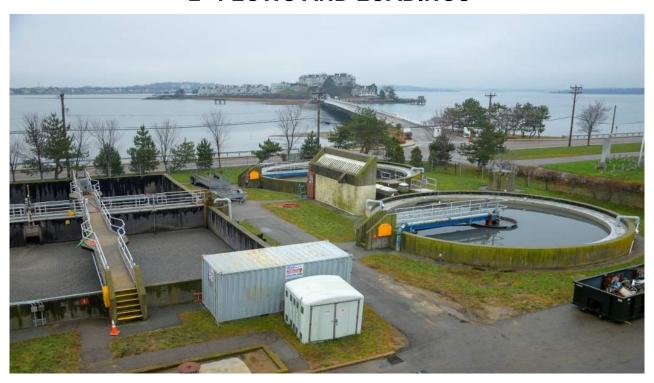
1 EXECUTIVE SUMMARY

This Monthly Operating Report provides a summary of the pertinent information and activities that occurred at Hull WPCF during the month of October 2020.

- No lost-time incidents for the month of October.
- Facility staffed for approximately 28 hours during the town-wide power loss on 10/8-10/9.
- Continued/On-going covid-19 safety operations: Regular daily operations and staff scheduling.
 Planning for multiple contractor project work. Updated and continued use of 10/27
 contractor/Vendor/Visitor form. Following CDC, Town, State and Company mandated safety
 protocols due to the Covid-19 Emergency. Maintaining inventory necessary safety supplies related
 to Covid-19.
- Influent sewage bypass continues, as the Headworks area concrete rehab work is well underway.
 Providing some assistance as needed in various areas to allow for project work to progress unhampered.
- There were 148 effluent samples taken in the month of October [details on page (12).] All effluent samples compliant. The average daily flow for the month was 1.02 MGD. A total of 7.03 inches of rainfall was recorded. There were a couple of rain events that caused flows to be elevated for short durations. The trending graphs indicate the specific periods. Process conditions continued remain stable and compliant.
- Push camera assessment of RAS pipe condition made solicitation for pipe repair using the short liner approach.
- The plant and collection system odors were moderate due to very low flows. There were some
 odors around the facility as a results of the open-top screenings box. The Bioxide system was in
 full operation in October with regular review and adjustments being made to optimize chemical
 dose, while keeping odors low. There were no odor complaints related to plant.
- The 06M Asset Management Accounts checkbook summary and planned expenses updated for contract year #6 are attached.
- There were 3 grinder pump call outs during the month of October with pump replacements.
- W&C O&M continues to support many of the Engineering projects with a focus supporting the
 construction project in the headworks and O&M monitoring bypass pumps, assisting with bypass
 pump cleanings, cleaning the screenings box and necessary drain piping in the headworks
 completed so that operations in Ops building can continue during the construction project.

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

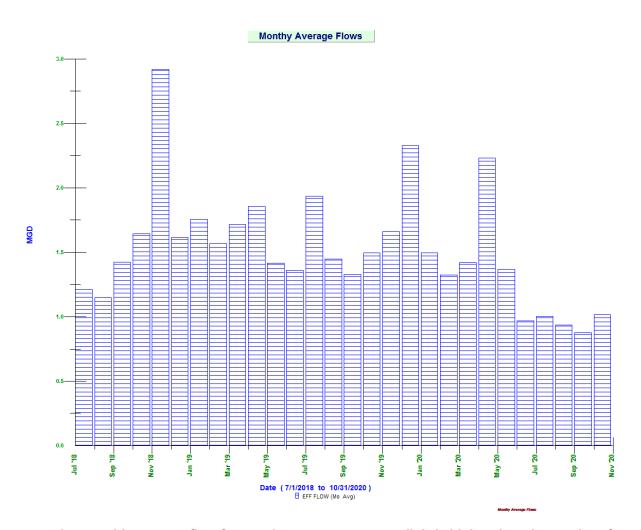


Average Daily Flows and Loadings for the Month:

	Eff Flow MGD	Inf Flow MGD	Inf BOD LBS	Inf TSS LBS	Eff BOD LBS	EFF TSS LBS
Oct 2018	1.643	1.906*	1080	1337	56	109
Oct 2019	1.496	1.670*	1740	4439	62	202
Oct 2020	1.017	**	1920	2801	98	157

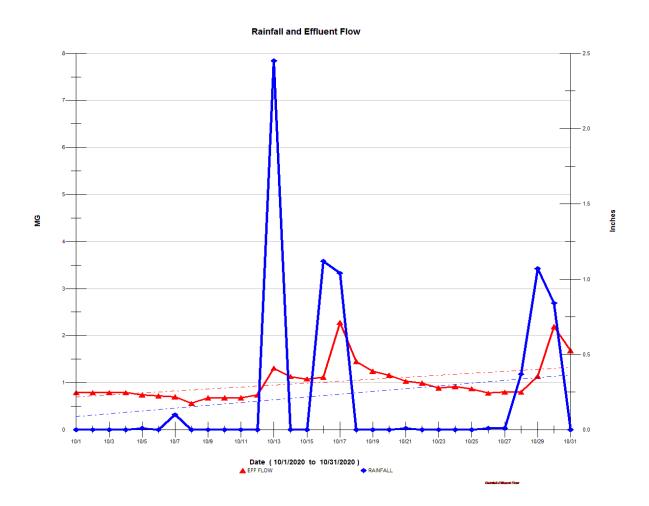
^{**} No influent flow data since the headworks and all influent pumps are shut down for the headworks concrete repair project. Bypass pumps are set up and pumping from manhole outside of the operations building. The influent gate remains closed.

2.1 AVERAGE EFFLUENT MONTHLY FLOWS – 2+ YEAR COMPARISON

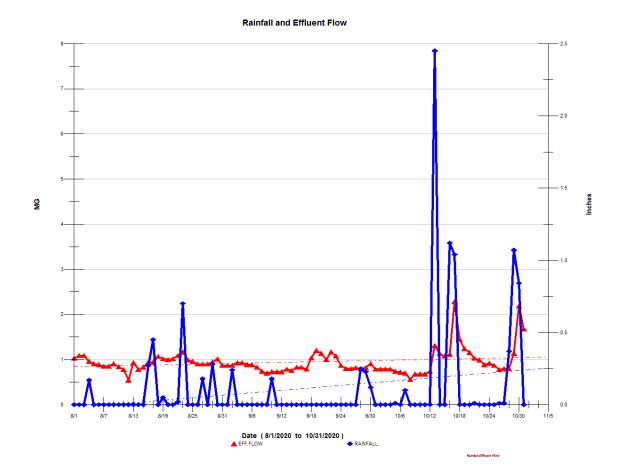


The monthly average flow for October was 1.017 MGD, slightly higher than the previous few months. The total precipitation for the month was 7.03 inches. The graph shows the 2-plus year summary of the monthly average flows that includes the most recent 4-month period, where the monthly flows for 2020 continue to be lower.

2.2 MONTHLY SUMMARY OF RAINFALL AND THE INFLUENCE ON EFFLUENT FLOWS



This graph typically shows the days where precipitation occurred [rainfall] [Blue Peaks]. Like the previous few months, this graph indicates that there some wet days in October and there were a few events that had some short-term impact on plant flows. As noted in recent months, the collection system work to reduce inflow and infiltration [I&I] out in the collection system has led to lower daily plant flows.



This graph shows the last few months: August, September, and October. The recent wet weather conditions have had lower impact on plant flows.

3 COMPLIANCE



> Plant Effluent

There were no permit exceedances in the month of October

• Plant process conditions were stable during the month. Wasting rates remained low and sludge thickening operations were less. The effluent quality remained in adequate, however, the bypass pump cycling operation did create periods where there was no flow or surges of higher flow into the facility at times. This cycling did have some impact on effluent quality, chemical dosing, and overall plant removal efficiency. We were able to maintain stable feed rates for the chemicals needed for disinfection and dechlorination, sodium hypochlorite and bisulfite. Drylet dose remained at the regular dose of about 2 pounds per day. Pictured: Aeration tank #1, #3, and secondary clarifier #2. Good, activated sludge color in aeration tanks & clear surface on the clarifier.

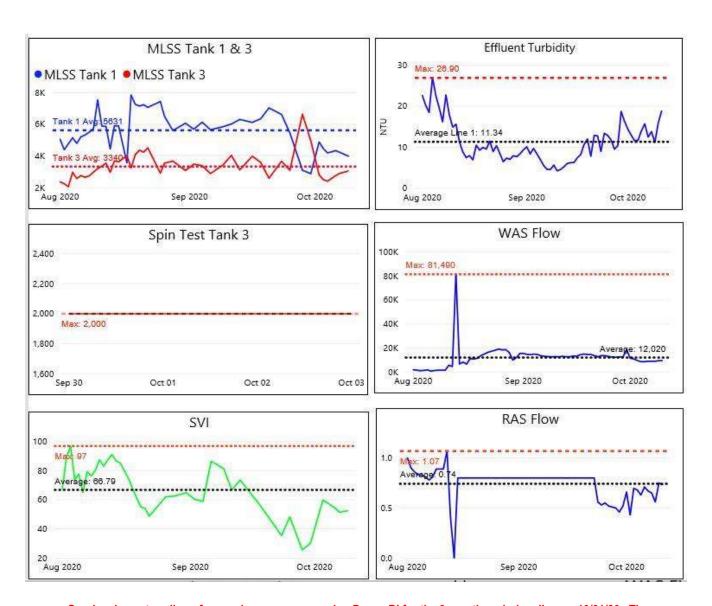


 A Copy of the NPDES report for October 2020 was submitted to the EPA & DEP and then forwarded to the Hull Sewer Dept. • There was one Sanitary System Overflow [SSO] incident on 10/13/20, where a system blockage on Spring Street, caused a very small back-up of sewage into the basement slab at 109 Spring Street. The initial call came in as an odor complaint and damp/wet basement. After the initial inspections were made, a pumper truck was called in to alleviate the surcharged sewer, until a vactor/jetter truck could respond to clear the blockage. Multiple manholes and gravity sewer pipes were jetted and cleaned. See pictures below.





Monthly Process Summary graphs from power BI – October 2020. <u>Influent flow tracking has stopped</u> while headworks bypass project is underway.



Graphs shows trending of secondary processes using Power BI for the 3-month period ending on 10/31/20. The tank solids levels under aeration shows relatively stable levels of solids. RAS flow has fluctuated due to rag build up in the pumps. Effluent turbidity was stable.

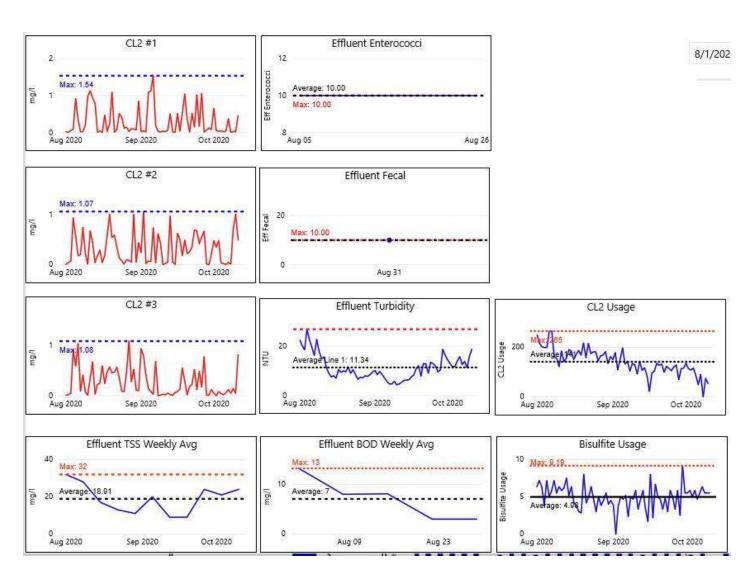
4 KEY PERFORMANCE INDICATORS



4.1 WATER QUALITY - OCTOBER 2020

Parameter I	Parameter Info			ermit Requ	irements				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 Samp les	# of Violations
Eff TSS	MG/L	50		45	30	1 X Week	19.0	9.0	26	4	0
Eff TSS	LBS			1152	768	1 X Week	157.2	87.1	284.1		0
% TSS Rem	%		85			1 X Month	94.4				0
Eff BOD	MG/L	50		45	30	1 X Week	10.8	4.5	22.0	4	0
Eff BOD	LBS			1152	768	1 X Week	97.6	43.5	240.4]	0
% BOD Rem	%		85			1 X Month	95.7				0
Eff Chlorine	MG/L	1.0			0.7	3 X Day	0.27	0.01	0.71	93	0
Eff Fecal	#/100 ML	260			88	1 X Week	10	10	20	4	0
Eff pH	SU	8.5	6.5			1X Daily	7.1	6.8	7.4	31	0
Enterococci	CFU/1 00 ML	276			35	1 X Week	10	10	10	4	0

There were <u>148</u> effluent samples taken in the month of October.

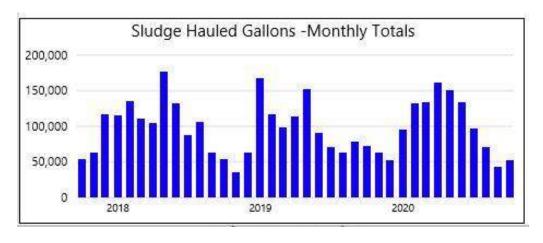


Power BI graphs showing effluent compliance for the last 3 months, August through October - chlorine residuals, effluent compliance, & chemical use. Bleach [sodium hypochlorite] use has decreased some while sodium bisulfite use remained steady.

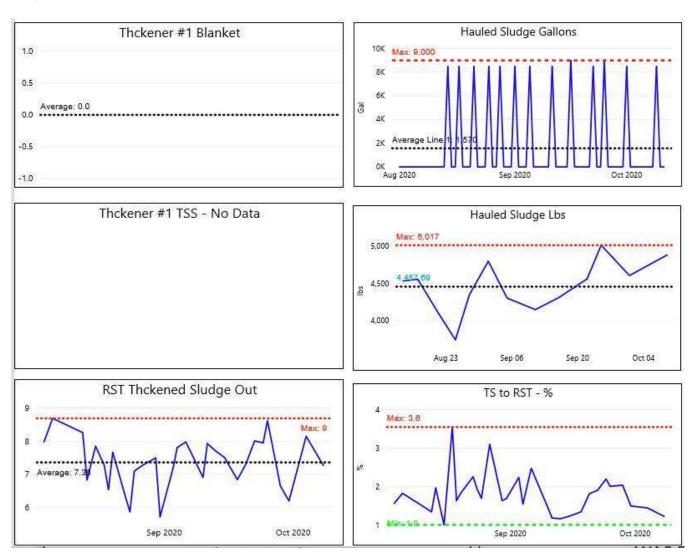
Gallons Treated vs Sludge Disposed

Month	Effluent Treated, MG	Sludge Disposed, Gals
Oct 2018	50.93	36,000
Oct 2019	46.31	63,000
Oct 2020	31.52	25,500

Power BI graphs for sludge gallons hauled for past three years ending 10/31/20



Additional Power BI graphs for sludge solids for August, September & October. [thickener #1 is off-line]



5 ODOR CONTROL

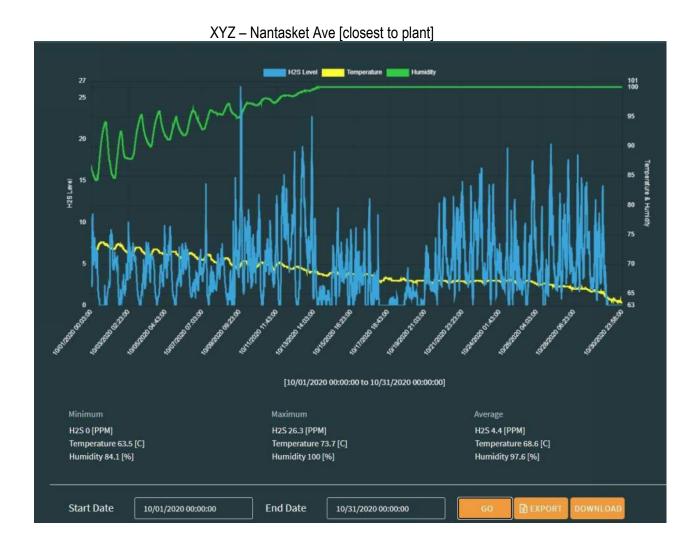
There were no odor complaint calls received during the month of October for the wastewater facility. The floating sludge on the surface of the secondary clarifier was significantly reduced to a negligible amount and not currently a concern. Spray hose use was reduced to daytime use only. The gravity thickener and primary clarifier continued to be offline [seasonal]. These tanks are off seasonally to keep odors low in the facility. The tanks will remain offline until the headworks and GT repair projects are completed. With the headworks off-line, the odor scrubber is not drawing as much odorous gas from the incoming sewage. At times there were some lingering low-level hydrogen sulfide odors around the bypass pumps and the screenings box. No changes were made to plant operations. Bioxide feed addition adjustments were made to lessen odors near and around the facility.

There were some calls from the resident [#280] at the base of Atlantic Ave reporting some H2S odors coming from the manhole at the base of Atlantic Ave. W&C investigated on several occasions, installing a gasketed manhole cover, collecting grab samples for dissolved sulfides, and requesting that Evoqua install a data logger to collect H2S data. The results are noted below.

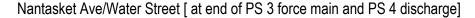
The Evoqua system controls were in place and on-line for remote monitoring of the odor logger at XYZ/Nantasket Ave & Nantasket Ave/Water Street and for the chemical feed system adjustments. Continued to work with controls and system dynamics to fine tune chemical feed addition. Adjustments for higher demand periods, such as weekends continued to be targeted for added chemical feed. With some periods of increased flow and lower system temperatures, the Bioxide feed rates were adjusted downward in response to observing lower H2S levels in the system. Some graphs attached below.

- "In-Pipe" bacteria addition continued with all 24 Microbe Dosing Stations [MDU] operational. There were no monthly bacteria unit replacements done in October, due to other facility demands and there is a small window of time following the 30-day month, where the dosing stations are still functioning. The bi-weekly change outs of the bacteria bottles at three lift stations in the wet wells or manhole just prior to the station. [PS 3, PS 5, PS 9] were completed on 10/15/20.
- Mixing systems/aerators were all functional at the pump stations, except for pump station #3.
 [Bioxide addition is at PS 3]
- Hydrogen sulfide monitoring units [H2S] were recording and being trended on the odor scrubber for monitoring inlet and outlet H2S levels. Weekly neighborhood monitoring around the plant done with portable Jerome meter.

[pictured below: trending graphs for H2S levels recorded from the vapor link system cellular at manhole at XYZ Street/Nantasket Ave and Nantasket Ave/Water Street. Trend shows higher hydrogen sulfide H2S levels as the month progressed.

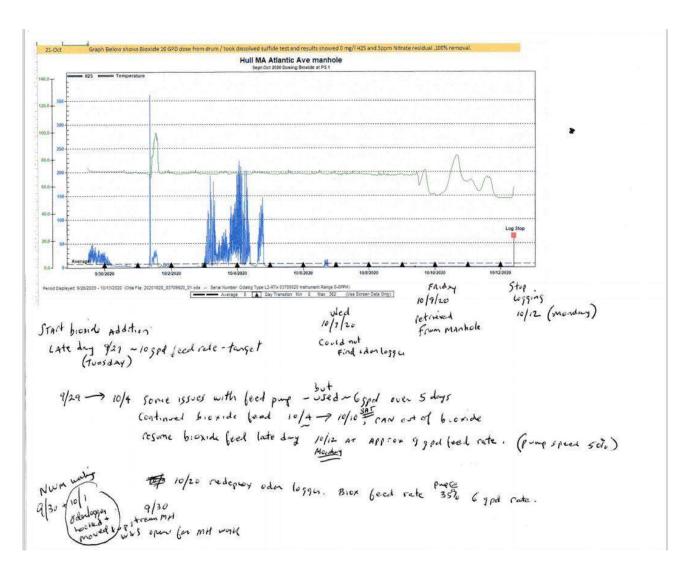


The odor logging unit at XYZ is being used to monitor overall H2S levels as close to the plant as possible, except for PS #9 and Spinnaker Island discharged flows. The regular monitoring of data was used to adjust the Bioxide feed. There still are many peaks that are picked up, because of flows that are contributed to the collection system as one gets closer to the facility, but the trend graph shows some lower levels and lower sewage temperatures. Chemical dose rates were adjusted in October based upon daily and weekly review.





With pump station #3 as the only location where Bioxide is stored, the chemical is added there with a goal to add enough Bioxide into the system to have very low hydrogen sulfide [H2S] at the end of the force main at Nantasket & Water Street, and have the excess nitrate concentration available to treat the additional H2S contributed from other parts of the system – PS4, contributions from lines feeding the interceptor, etc. all the way to the plant. The peaks seen on the graph are typically from when PS #4 discharges to the manhole where the PS #3 force main ends. Over the month of October, the PS3 vapor link was reviewed regularly and as noted above, the Bioxide dose adjusted downward where possible to optimize the chemical dosage.



The odor data logger that was installed into the manhole at the base of Atlantic Ave near #280 yielded some useful data, until area collection system work caused for the meter to be dislodged and not provide data. The data which was collected shows a reduction in the sulfide levels that previously averaged 200 ppm, to less 50 ppm and lower, and noticeably less odors. The data collected suggested that some odor reducing chemicals are needed to reduce the level of odors in that area. W&C continued the Bioxide feed for a time, and then stopped the chemical addition, but resumed H2S data collection.

6 MAINTENANCE SUMMARY

6.1 TASKS COMPLETED THIS MONTH

The SEMS monthly work order summary for October compiled and attached for review.

Key items of note are listed below.

- Staffing of the facility for the town-wide power loss on 10/8-10/9. Monitoring of the facility and pump stations since the communications systems also lost power after the event started.
- 10/30 very windy night led to a brownout and triggered some alarms. JB responded and performed the equipment resets and remained at the facility until approximately 6am, when staffing relief came in.
- PS #3 work derag check valve on pump #1 due to build-up of rags and reduced flow seen. Also, replace one of the sump pumps in pump room due to a failed motor.
- Glenn F onsite 10/15 finished alarm circuit wiring for GT#2. All alarm conditions verified.
- PS #4 generator Replaced failed engine block heater and adjust belt alignment done early in the month by W&C staff. The existing coolant leak at the water pump was being closely monitored. During the Town-wide power loss on 10/8-10/9, the generator shut down early on 10/9 due to a plugged radiator and failed water pump. Highland Power was notified, and responded later in the day on 10/9, but a trash pump was dispatched to the station and set up for bypass sewage pumping until the power was restored on 10/9 7pm. The assessment of the needed generator repairs was made, and the water pump had failed, and the radiator also needed cleaning and repair. During the repair process it was found that the existing water pump on the generator was not the correct one for the engine but was functional for several years. The correct original replacement was not available any longer, so the replacement water pump also needed a new engine timing cover for it to be attached correctly to the engine block. The unit repairs were completed by the end of October.
- On 10/15 Cleaned out CCT2 tank [plant side]. Put street side tank online for the morning hours while taking down CCT2 for cleaning and washing out channels. CCT1 then pumped out and off-line.
- On 10/24 influent pump #1 motor failed [shorted] and caused for a smoky room in the sub-basement. The smoke triggered the fire alarm, and the HFD responded to reset the alarm. No other building issues resulted. W&C contacted HI Voltage on 10/26 to come in and check the influent pump motor #1 and associated wiring. They confirmed that the motor had shorted and would need a replacement or rewind. W&C staff disassembled and moved the motor from P2 over to the P1 location and set it up, wired it in and test ran ok. Some research was done, and to replace with an equivalent new motor, the lead time would be 6-8 weeks. The failed motor would be repaired and ready to re-install on influent pump #2.

• 10/27 - D'Allessandro in for yard hydrant replacement work. They replaced (3) yard hydrants and isolation valves around the aeration tanks. Pictured below:



- Increased RAS pump cleaning ongoing due to screenings box being online. The frequency of
 cleaning was initially every few days but saw an increase in RAS pump cleaning to every day/every
 other day. [pictured: typical debris removed approx. 1-2 gallons of material with each cleaning]
- Screenings box was cleaned on 10/20/2020 by the Hoadley vac truck.
- 10/30 PS 9 on generator power for 2+ hours due to power loss. Remote monitoring of plant flows by AV and BB into the evening. Put effluent pump 2 into lead late in the evening. 2.28" of rainfall/precipitation was recorded for the period 10/28-10/30.
- Effluent pump #3 Flygt Submersible: This pump had reduced output flow for several months. Prior to that, the pump was difficult to get it to start pumping. With the reduced flow issue, the removal for inspection was limited since the lifting bracket had not been tested to the support the pump weight [2500 lbs.]. Once the bracket was certified to handle the weight, the LOTO of pump at VFD was done. A 2-ton chain fall and dynamometer were set up. A lever hoist was also used to pull the pump over to the floor upon removal. The pump was removed and inspected, and an old SS float was caught in the volute and impeller, and this object was removed. Before pump removal, the flow max was 2.2 MG, and after the cleaning and reinstallation, the pumped flow rate was 4.3 MG, the expected flow rate.



- Ongoing E-1 pump repairs and replacements continue. Co-ordinating through FRMahony. As noted
 last month, there has been an increase in the number of the mid-1990's pump failures, as a number of
 these have been repaired more than once since initially placed into service. The cost to repair is too
 high versus the cost to replace with a new pump. Also, the new pumps have a 2-year warrantee
 versus the 90-day repair warrantee.
- Pulled cleanouts a PS#6 for both pumps to check for ragging after increased "deragger" runs seen on the trend charts. Some rags were removed, but not a significant amount seen.



6.2 ASSET MANAGEMENT ACCOUNTS

• Please see the attached summary and planned expenditures for the Asset Management accounts for contract year (6). Most recent through 11/17/20.

7 SAFETY



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

- No lost time incidents reported for October.
- Monthly PM's Emergency eyewash and shower inspections, fire extinguisher and emergency lighting inspections completed.
- On-going Coronavirus Covid-19 awareness and updates discussed daily & as needed. Staff separation planning, facility visitors, personal hygiene & company initiatives. Daily non-contact temp checks for staff & visitors. Work with onsite contractors to ensure that Covid-19 procedures in place and being followed. Updated protocols posted on 10/27/20
- Continue to work with O&M health & safety, W&C Engineering, to ensure safety protocols in place for the upcoming engineering projects at the facility.
- Continued work on completing annual safety tasks. Confined Space rescue, Electrical lockout tagout, and Hazard assessment tasks were completed for 2020.
- Installed 2 fire extinguisher stickers above those extinguishers. Moved a box containing ear plugs
 for hearing protection out of the way some, to see the fire extinguisher sticker outside the influent
 pump room. [All stickers are to be clearly visible]
- Ongoing Daily safety briefing meetings, review site safety policies with sub-contractors, safety tailgate topics. Pure Safety topic - October - Hand, wrist, finger safety
- Monthly staff safety meeting conducted. Ryan Holman prepared a PowerPoint presentation and
 the staff participated virtually via Microsoft Teams. Major topics discussed: hydrogen sulfide
 hazards and safety, on-going construction projects, PPE availability and needs. Review "Lessons
 Learned" from October 2020, Near misses and incidents from other company projects. Winter
 gear/uniform needs.

8 STAFF DEVELOPMENT

Training is an important part of any operation to ensure employee health and safety is assured, quality standards are maintained, 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 monthly safety meeting. W&C "near-miss" incidents at all projects for October discussed. Pictured below: Eric Sutton CSE Rescue training.
- Regular operational updates and process control discussions, pump station operations, especially with sewer department projects going on at the plant and pump stations. Safety Covid-19, dig-safes, etc.
- No off-site training currently due to Covid-19 limitations & conditions. Discuss with staff their training needs and look to develop a plan for remote training for on-going contact hours needed for license recertification.

Staffing related items:

- Staffing schedule on-going awareness for staff separation, social distancing, face mask use, other safety protocols always.
- Still unclear if the project will participate with the Mass Maritime [MM] internship program due to the Covid-19 emergency. Will possibly consider a candidate in 2021 at some point in time.
- No changes on the Sunday schedule plan. Coverage by Aram V., Roger B., Bill B., and Joe B. If Bill or Aram are not scheduled for a Sunday, they will be working on a Monday-Friday schedule.
- Supplementing staff needs with O&M tech support as needed. Currently limited due to Covid-19 emergency, however staff is available if needed.



9 COLLECTION SYSTEM

9.1 WET WELL CLEANING

The actual schedule for wet well cleaning: May 2020 to April 2021:

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

Frequency of				Pump	Station			
cleaning	Α	1	3	4	5	6	9	D
May, 2020	Х				X			
June, 2020								
July, 2020	X			X				
Aug., 2020								
Sept. 2020	Х							
Oct.,2020	Х			X	X			
Nov, 2020								
Dec., 2020								
Jan., 2021								
Feb., 2021								
March 2021								
April 2021								

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

9.2 COLLECTION SYSTEM MAINTENANCE

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

- In-Pipe units on-going battery change out, dosing unit repairs & cleaning and inspection. Circuit board troubleshooting, dosing pump repairs and replacement as needed. Working with "In-Pipe" on these issues.
- All Pump station generators loaded, and non-loaded generator runs were done for the month.
- All Pump station wet wells were inspected in October.

• 3 grinder pumps replaced – see utility cloud summary. Investigate 175 George Washington Blvd grinder issues with control box, cover, and riser piece. The building is currently under renovation.

Manholes:

Staff continues to respond to rattling manhole covers as requested., because of on-going SSES projects. Replace manhole covers and/or cushion rings as needed.

Dig Safe mark outs:

On-going Dig-Safe mark outs. These are completed throughout the Town of Hull to assist/facilitate
scheduled and emergency gas repairs, broken water mains, roadway paving projects, and other
residential and town projects. Areas where work done – Atlantic Ave are related to gas company work.

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

10 PROJECT MANAGEMENT & ADMINISTRATION



10.1 ON-GOING PROJECTS AND SUPPORT ITEMS

October updates:

- Bill has continued coordination and data review with the Aquasight team with the primary focus in
 October on the last phase of the sludge processes as well as final reviews of all the milestones and
 summary report. Most of the initial work has been completed related to setup of the systems and
 review of potential systems to optimize which will be discussed and training in November.
- Continued cycling and ragging up of the bypass pumps has created flow irregularity within the facility.
 During the low flow hours, 12 mid to 6am it has been impossible to maintain the plant water system, as
 there is no pumped flow into the plant, sometimes for 1-3hours. The facility has continued to use
 potable water for critical service water needs and uses the plant water system when the facility is
 staffed.
- Steve Rose hooked up the temp RAS Q meter up to scada, and now we can track RAS flow. Checked
 out the existing WAS meter and determined that the unit had a bad output. Locally the meter is fine.
 Investigating options for repair and/or replacement.
- Continued work with the Town, W&C Engineering, and D&C to support the headworks project. O&M
 removed additional drain piping as needed and as also looked at various needs in the facility: Primary
 D-box concrete work and valve support stands, PS #4 valve and check valve installation, and these
 needs will be worked into the D&C contract.
- D Street portable generator hook up still pending a test operation of the "older" Onan generator there. The test is on hold until this generator is not committed for Lift Station A.

- Scheduled for PS A electrician to install new connection box to allow for hook up of the new portable generator at the pump station. The new hook-up box would be on the outside of the building and utilize the existing transfer switch and wiring.
- The inspection of SHT1 was made for possible demolition/removal of obsolete equipment in the tank. The installation of diffuser piping is under consideration. Initially, W&C O&M Tech support staff would be used for the demolition work. Upon approval, an inventory of parts on site would be made, with an update on the additional parts/items needed. The benefit of having this tank also serve as a sludge storage tank would be the additional underground sludge storage capacity.
- The HSD approved New England Pump & Valve [NEPV] recommendations for the gravity thickener repairs needed - rake arm supports and scraper blades. The work completion is pending. W&C also received the budgetary quote for the sandblasting of the GT steel rake and baffles from the John Egan Co. The quote was forwarded to the HSD, and the project would need to be competitively bid out, if approved.
- NEPV was onsite [10/13] to pick up old SC gear boxes for service repairs to make one repaired gear box for potential use on PC#2.
- On 10/28 WC staff used the sewer push camera to inspect the failed section of the RAS line & presented the video to the HSD for review. Discussing repair plan options with the Town and WC Engineering on best repair method and future RAS changes planned to come up with the best repair plan to be made at this time and restore the RAS force main function. BB was directed to reach out to Green Mountain Pipeline Services and Ted Berry Company for a repair estimate.
- 10/27 Hingham PS meeting at their pump station. AV, BB, Steve Rose with HSD met at the station and discussed the failed flow meter. An inspection of the control cabinets and scada cabinet was performed.

		A	sset Management	Accounts - Year 6						
			Actual to date		Projected for Final Estimate					
Account		Budgeted Amount	Spent to Date	Delta	Projected costs and incl PO's	Final est	Delta			
06M-101A	Preventive Maint	\$210,555.68	\$54,414.54	\$156,141.14	\$79,400.00	\$133,814.54	\$76,741.14			
06M-102B	Capital and Major Repairs	\$140,000.00	\$27,531.90	\$112,468.10	\$130,834.28	\$158,366.18	(\$18,366.18)			
06M-103A	Major Sub Contractors	\$178,370.75	\$97,271.40	\$81,099.35	\$140,600.00	\$237,871.40	(\$59,500.65)			
blank					\$0.00					
	Asset Management	\$528,926.43	\$179,217.84	\$349,708.59	\$350,834.28	\$530,052.12	(\$1,125.69)			

	Tim	e Status		
Budget expended	NOW=	11/17/2020		
expended	Start	5/1/2020		
25.8%	55.0%	29.1% 35.3%		
19.7%	55.0%			
54.5%	55.0%	0.4%		
33.9%	55.0%	21.1%		

\$349,708.59

065	D Street	\$7,500.00	\$452.85	\$7,047.15	\$0.00	\$452.85	\$7,047.15	6.0%	55.0%	48.9%
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\$350,834.28

11/17/2020 14:01

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Priority	Description	Status	completed	Task	Estimates & funds remaining	Final Completed Cost	Lead	Comments
1	Mechanical Work Labor	On Going		101A	\$18,000.00			Jody St. George, and WC Support Staff - estim \$3000/month; Total budget \$36,000; incl annual scrubber cleaning, remove old blowers [mech]; Adj made 9/9/20; adj 10/15;
1	Pump and Motor Repairs	On Going		101A	\$15,000.00			to keep existing equipment running - utilize various outside contractor repair shops, new purchases. Duperon motor, RST eurodrives, orig budget \$20,000; adj 10/15; RAS motor rewing, influent motor rewind. Adj remaining \$\$ 10/29; Infl Pump #2 repairs - pending impeller repair & motor rewind [11/17];
1	Lubricants	On Going		101A	\$2,700.00			Various Suppliers for oil and grease. Budgeted \$3500; adj 11/17;
1	Generator Repairs	On Going		101A	\$3,000.00			General Repair Work - Placeholder - PS4 & other
1	Fire Alarm Inspections and Service	On Going		101A	\$1,500.00			Semi Annual - Hart Security [October & April , central station, & Service]Orig budget \$3000, as of 11/17 \$1,500 pd.
1	Universal waste disposal	Pending		101A	\$500.00			Placeholder
1		Pending		101A				
1	Service the Forklift	completed		101A				Annual cost - outside vendor; work completed. Waiting for report and invoice. 11/17 service completed.
1	Overhead Hoist Inspection	Pending		101A	\$1,500.00			Annual task - Applied Dynamics - PO usually is issued in April,
1	Flow meter verification and calibration	Pending		101A	\$1,000.00			Annual - Ray Ferland 1 visit annually Aug/Sept
1	Facility Building - Roof Inspection	Pending		101A	\$2,900.00			Annual Placeholder - Established contract with Tecta America
1	Pump Station #9 - Repairs Immediate	pending		101A				New valve, new check valve, replace pump assembly - Jody St. G. to assist; Items rec'd [used up approx 50% of orig 4,000]; pending to be used if needed.
1	Jerome H2S Meter Inspection	Pending		101A	\$1,100.00			Placeholder for Annual Inspection - sent out includes annual service \$1100
1		Pending		101A				
1	butterfly valves for PW pumps 4 valves	campleted		101A				purchase and install - expect November installation [staff & O&M] 11/17 - completed November 2020.
1	Hoisting platform ladder for the AST	Completed		101A				Completed, purchased for use with screenings box - \$600.00
1	Weather Station	completed		101A				Installed by Glenn F, June 2020, programming by SCADA group
1	Janitorial Supplies	On Going		101A	\$2,500.00			Estimated annual expenditures - Orig budget \$4,000; adj 4 months - 9/9; adj 10/15
1	Backflow device testing	Pending		101A	\$400.00			done by, 3rd party
1	Manhole Inspections	Pending		101A				As required,and/or scheduled

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Priority	Description	Status	completed	Task	Estimates & funds remaining	Final Completed Cost	Lead	Comments
2	General mechanical and electrical items/supplies	On Going		101A	\$7,500.00			Grainger, FWWebb, EJP, Hoadley, mcMasterCarr, etc; orig budget \$18,000. Adj 9/9/20; adj 10/19 adj 10/29;
2	Vibration Analysis Survey	Pending		101A	\$4,000.00			Annual - 2 to 3 Days - Aeration System Blowers, Pump Station Pumps, etc./tbd; Paul H from W&C.
2	Valves	Pending		101A	\$2,000.00			Replacements and/or Service - On-Going - As Needed; Placeholder - Cut planned budget to 2k 10/15;
2	Hoses	On Going		101A	\$1,200.00			Replacements and/or Service - On-Going - As Needed; Purchased three 6-inch hoses for the RA bypass. [\$1800]; orig buget \$3000
2	Sump Pumps	On Going		101A	\$600.00			Replacements and/or Service - On-Going - As Needed - Cut budget from 1200 to \$600.11/17.
2	Install 6" or 8" drop pipes in secondary clarifier #1 and #2	Pending		101A	\$2,000.00			In-house staff to facbricate, ? go to 8" pipe?
2	Effluent pump room pump bracket testing	Completed		101A				by Lightship Group - completed Aug 2020. On purchase order cost \$950]
2		Pending		101A				
2	Misc. Materials	On Going		101A	\$1,000.00			Hardware Store - \$200.00 per month - reoccurring expense; orig budget \$2,400; adj to \$1,000 on 11/17
2		Pending		101A				
2	PS 1 impellers/flow	Pending		101A				look at increasing size of impellers, after Gunrock work completed; on hold due to area low flows [\$5,000]
2	Lift Station A	Pending		101A				Pump efficiency lower than desired - new pump or impeller & mech seal
2		Pending		101A				
3	Install new aeration channel angle iron for a slide gate	Pending		101A			7-2-34H3-71C-1-1-1	Jody S to install - 2 days, if we do.\$2,500 estimate, or push to Engin project
3	Install a flow meter on the generator cooling water system - plant water	Pending		101A				Have an estimate [Oct 2018]; possible after 5/1/20
3	Lockers for the staff - Install	On Going		101A	\$1,500.00			Additional lockers ordered to replace those removed years ago;
3	Purchase (1) spare Euro drives for the RST drum drive	Completed		101A		p variet		spare part item now in stock [\$800]
3	Purchase an LMI pump for the RST	Completed		101A				spare part item now in stock [\$1700]
3	Purchase an equipment lift or gantry	Pending		101A	\$2,500.00			planned cost \$2,500 for moving elec hoists around, & other equip
P of 5 11/17/	urchase Dehudifiers for pump stations LS A & PS 4, PS 5. PS 6 2020	Pending		101A	\$4,400.00 2020_05_01_06M_Chec	:kbook_YTD		for 4 pump stations 06M Planned Co

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Priority	Description	Status	completed	Task	Estimates & funds remaining	Final Completed Cost	Lead	Comments
		Pending		101A				
	Lab Equip Calibration	Pending		101A	\$600.00			Annual service - usually Jan/Feb.
		Pending		101A				
	Mech seal[s] for RAS pumps & 2	Pending		101A	\$2,000.00			for RAS pumps 1 & 2 - pending, but will need to do.
		Pending		101A				
		Pending		101A				
	Purchase Two 6" valves for PS 4	Completed		101A				Estim cost \$1450; Invoice paid.
	Springs for check valves	Completed		101A				Original budget \$400; Purchased
1	Tecta Roof Repairs - proposed per 2020 inspection	Pending		102B	\$8,000.00			TBD when work to be scheduled
1	(GT) Steel rake mechanism inspection and needed repairs	On Going						to be completed by NEPV under critical spares bond account. Completion hoped by end of November.
1	(SC#1) Steel rake mechanism inspection and needed repairs	Completed						completed by Lydon under critical spares bond account.
1	(SC#2) Steel rake mechanism inspection and needed repairs	Completed						completed by Lydon under critical spares bond account.
1	Pri D-Box repairs	Pending		102B				possibly by D&C Construction as part of structural repair project.Estim \$15,000.
1	Replace scrubber recirc pump	completed		102B		\$2,410.80		spare pump ordered & received October 2020, bill pd Nov2020.
1	Sludge transfer pump #1 rebuild	Pending		102B	\$5,000.00			rebuild pump needed
1	Dynablend System is obsolete - mixing valve worn - need in kind or like system	Pending		1028	\$12,000.00			May or may not proceed with replacement, since unit still functioning, and polymer addition point changed and yielding good results. Shuttling down in December 2020. Will Removed cost \$11,000
2	grit classifier spare parts	Pending		1028	\$3,500.00			based on limited spare parts currently. Yet to be ordered [11/17]
2	Pump Station Ladders	Pending		102B				We are complete except for PS #9; nothing further planned for PS 9, since new pump station planned.
2	Sanitaire hardware purchase for aer tk 1	Completed		102B		\$3,054.03	***************************************	Purchased July 2020
2	Replace 6" potable water valve in basement and misc. valves	Pending		102B				While doing project check/replace 1 1/4 valves as needed - Requires a water shutdown, may hold until after 5/1/20; orig planned cost \$3,000.
of 5 11/1	Install (4-5) additional yard hydrants	On Going		102B	\$10,000.00 2020_05_01_06M_Che	\$5,194.88 eckbook_YTD		days), ist day completed Aug 2020 - \$5194.88. Second day planned early October. 3 replacements planned. Completed 10/27; Need to roll up final costs. Hydrants and D6M Planned Costs (New 2020).

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Priority	Description	Status	completed	Task	Estimates & funds remaining	Final Completed Cost	Lead	Comments
2	PS 4 valves, check valves - installation	On Going		1028	\$7,500.00			After structural work, replace. Valves and check valves. May be a changeorder for D&C Constr.[\$4,000] Also 1 day for pump & hauling 2 trucks [\$3200]
3		Pending		1028				
3	Influent Distribution Box - Aerate Primary/Influent D- Box/Overflow Project	Pending		102B				Contracted Project - need State Approval - Facility/Process modification. Facilities Plan possible modification
3	Odor log data loggers & calibr kit	Pending	3	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
1	Jerome meter replacement	Pending		102B				replace unit, if done \$11,000
	Rotating Studge Thickener - Thickened Studge Pump - rotor/stator	Completed		101A				purchased spare stator approx cost \$900.
	D'Allessandro - WAS line replacement & gate valve	Completed		1028		\$16,018.78		Work Authorization submitted 10/14/20; paid Nov2020.
		Pending		102B				
		Pending		102B				
		Pending	3	102B				
	Electrical LS A hook up	On Going		102B	\$1,182.28	\$1,182.28		estimate look at 2 options - going with option one for new hokk up only; early October planned. Completed Nov2020. Bill to be paid.
1	Electrical Work	On Going		103A	\$8,000.00			Electricians: Glen Fellows, HiVoltage, other; remv old blowers.lighting, sec bldg elec outlets - \$2,000/month; orig budget \$25,000; adj YTD - funds left; adj 9/30; Adj 10/15/20; adj 11/17/20
1	SCADA Work	On Going		103A	\$19,000.00			Steve Rose and the SCADA Support Team; orig budget \$25,000; reduce by \$6K on 9/9/20
1	E-One Repairs and Replacement	On Going		103A	\$12,000.00			Based on historical costs. E1 repairs where cost-effective & new replacement pumps; control panels, other equip; Orig budget \$25,000
1	Annual Generator inspection	Pending		103A	\$4,200.00			Annual - Highland Power/ME Electrical Power'- Generator PM/Service work - due in November
1	Automatic Transfer Switch inspection and servicing	Pending		103A	\$2,400.00			Annual Service planned for April Highland Power - NETS - Transfer Switch;
1	Wetwell Inspections and Cleaning - Pump Stations	On Going		103A				As required, plant or pump stations; orig budget \$10,000; reduce to zero on 9/9
1	Wetwell Inspection and Cleaning- Plant	On Going		103A				
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; orig budget \$10,000; YTD already over \$10k.
1	Collection System - emerg & unplanned calls - Jetting & CCTV work	On Going		103A	\$10,000.00			Budget - orig \$20,000; reduce it it \$10,000
of 5 ¹ 11/1	7/2020 Collection System - Jetting Work & CCTV	On Going		103A	202 \$35 5000.00M_Chec	kbaok_YTD		up to 35K - roadway proj work related - TBD for contractor [Truax] PO issued. 06M Planned Co

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Priority	Description	Status	completed	Task	Estimates & funds remaining	Final Completed Cost	Lead	Comments
1	Aer tank repairs [labor]	Completed		103A				2 days - millwrights - Lydon \$3800
1	Pump Station communication - changover to radio - phase 1	Pending		102B	\$73,652.00			Equipment purchase to come from 06M/07M on the Critical Spare List; based on latest quote from Doug Tirrel. Updated memo Nov 2017
1	Pump Station communication - changover to radio - phase 2	Pending		102B				Equipment purchase to come from 06M/07M on the Critical Spare List; based on latest quote from Doug Tirrel. Updated memo Nov 2017
1	Pump Station communication - changover to radio - phase 3	Pending		102B				Equipment purchase to come from 06M/07M on the Critical Spare List; based on latest quote from Doug Tirrel. Updated memo Nov 2017
1	Pump Station communication - changover to radio - phase 4	Pending		102B				Equipment purchase to come from 06M/07M on the Critical Spare List; based on latest quote from Doug Tirrel. Updated memo Nov 2017
2	Pump Station Communication - electrical contractor services	Pending		102B	\$10,000.00			Electrician costs - Install antennae, and related components to allow for SCADA tie in.
2	Regen Aeration System - Pump Station #5	Pending		103A	\$1,500.00			Orig est \$1,500 -Tie into the SCADA system - Gien Fellows; may wait until after 5/1/20
2	Dehumidifiers at four pstat - install	Pending		103A	\$8,000.00			approx 2K per station - PS A,4, 5 &6
2	SHT1 - demo of equip, air piping & diffuser install/materials	Pending		103A	\$30,000.00			In-house O&M project and staff labor \$10,000, demo of tank equip \$5,000; air piping \$10,000; materials \$5,000 - rough estimate - future needs
2	Generators - Load Bank Testing	Pending		103A	\$3,000.00			Look at under 06M - PS#1, PS#3, PS#4, PS#5, PS#6, and PS#9 [\$3,000]
		Pending		103A				
		Pending		103A				
		Pending		103A				
		Pending		103A				
	Highland Power - Servicing the heat exchangers, fuel filters, etc.	Pending		103A				Per proposal \$4,550.00
	Front building window repairs	Pending		101A				To be done under Engin project
1	Low pressure sewer valve box insp & mtce	Pending		103A	\$7,500.00			placeholder for contractoror O&M inspections and potential repairs; Looking at Rosano-Davis or another contractor & W&C to investigate
1								
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	TOTAL				\$350,834.28			



Inspections

Corrective Maintenance

Preventative Maintenance

Total Work Orders

28

32

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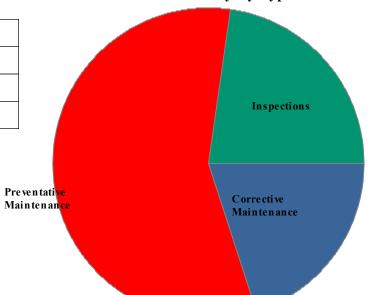
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Maintenance History Report

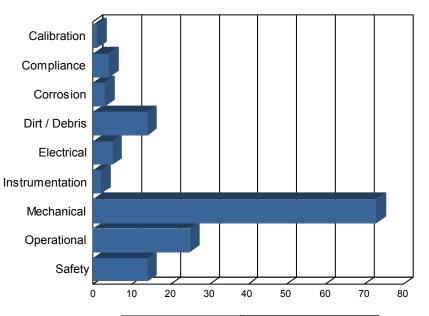
Start Date: 10/1/2020 End Date: 10/31/2020

Hull Wastewater

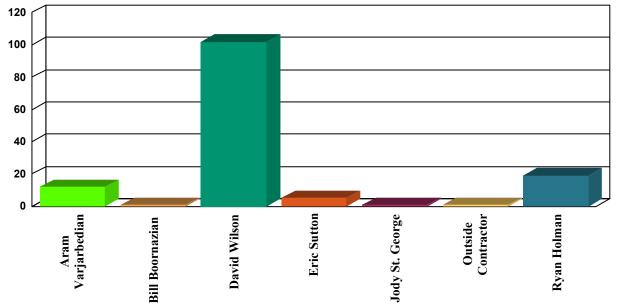




Work Order History by Reason







Employee	WO Count	Labor Hours
Aram Varjarbedian	12	9
Bill Boornazian	1	2
David Wilson	102	43
Eric Sutton	5	8
Jody St. George	1	1
Outside Contractor	1	4
Ryan Holman	18	23
Totals	140	88

Corrective Maintenance

Status Date	WO#	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/2/20	12829	RAS Pump 2	Derag pump	Ras flow down to 0.15MGD loto and pull pump. Large rag ball removed and some kind of electrical cover plate inside volute. Bleeder is also clogged and need to unclog still, used check valve.to start	Bill Boornazian	10/2/20	Completed
				up. Ras back up to 0.66			
10/6/20	12830	Health & Safety	2 fire extinguisher signs (generator room and	Installed 2 fire extinguisher stickers above the	Ryan Holman	10/6/20	Completed
			outside HVAC room). Also hearing protection box	extinguishers. Moved a box containing ear plugs			
			covering fire extinguisher sticker outside of the	for hearing protection over in order to see the fire			
10/7/20	12832	DC 2 Dining and Values	influent pump room. Check valve limited travel	extinguisher sticker outside the influent pump room.	David Wilson	10/7/20	Completed
10///20	12032	PS 3 Piping and Valves	Check valve liftilled travel	LOTO of pump 2. Relived pressure and removed	David Wilson	10/7/20	Completed
				check valve cover. Pumped out liquid and removed			
				debris. Reassembled and returned pump to			
				service. LOTO of pump 1. Inspected check valve. No debris. Reassembled and returned to service.			
10/7/20	12833	PS 3 Building	Sump pump not functioning.	Tested both pumps- good Tested sump pump and found motor not running.	David Wilson	10/7/20	In Process
10/1/20	12000	1 0 0 Dananig	camp pamp not ranotoning.	Isolated pump and removed from service. High level	Baria Wilcom	10/1/20	
				sump pump taken out of service and installed in			
				place of sump pump. Pumped down two inches of			
				water from dry well. Inspected failed pump			
				assembly. Impeller spins freely. Good continuity			
				through switch. Motor failed5 hp Zoeller pump.			
				Floor level sump pump to be replaced with .3 hp			
				pump to serve as backup. Old pump discharge pipe			
				broken and a newer set up assembled.			
10/7/20	12831	PS A Piping and Valves	Discharge pressure gauges failed on both	Tried to clean gauge inlets but believe fog has	David Wilson	10/7/20	In Process
			pumps.	worked it's way into bourdon tubes. Recommend			
			· ·	replacement.			
10/11/20	12834	RAS Pump 3	Clean and inspect impeller	LOTO of equipment. Seperated pump from volute.	David Wilson	10/12/20	Completed
				Cleaned rag ball from discharge elbow. Cleaned			
				another rag ball from the kmpeller face.			
				Reassembled and returned to service. From .42			
				mgd to .75 mgd.			
10/13/20	12838	PS 4 Generator	Replace failed block heater.	Uninstalled failed hotpoint block heater. Inspected	David Wilson	10/14/20	Completed
				hoses. Freshened up ends of hoses. Installed new			
				block heater and mount with new hardware.			
10/13/20	12839	PS 4 Generator	Belt alignment.	Inspected belts while radiator shroud was off.	David Wilson	10/14/20	Completed
				Noticed alternator out of alignment with crank and			
				waterpump pulleys. Shimmed out alternator			
				mounting. Was off buy 3/16" now within 1/16".			
10/13/20	12836	PS D Pump 2	Suspect Pump tripped acc to trend	AV/JB - pump should be running, suspect tripped	Aram Varjarbedian	10/14/20	Completed
				out. Lower max speed slightly on scada, reset and			
				retest ok.			
10/13/20	12835	PS D Pump 1	Pump tripped out on overcurrent	AV/JB - pump should be running, suspect tripped	Aram Varjarbedian	10/14/20	Completed
				out. Lower max speed slightly on scada, reset and retest ok.			
10/14/20	12837	RAS Pump 3	Debris clogging impeller	Performed LOTO procedures and isolated the	Ryan Holman	10/14/20	Completed
				pump. Removed the rags from the impeller and reassembled the pump. Pump is now operating well			·
				at .70MGD.			

Corrective Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/14/20	12840	Effluent Pump 3	Low output flow	AV, JS, BB, DW - LOTO of pump at VFD, set up 2 ton chainfall and dynamometer and 2nd lever hoist. Remove pump and inspect and found old SS float caught in volute and impeller. Before flow max was 2.2 MG, after cleaning, reinstall. 4.3 MG, which was expected flow.	Aram Varjarbedian	10/14/20	Completed
10/18/20	12842	RAS Pump 3	Diagnose low output	LOTO of equipment. Seperated pump from volute and cleared the debris from the impeller. Reassembled and returned to service. From .24mgd to .68mgd.	David Wilson	10/18/20	Completed
10/18/20	12843	Influent Pump 2	Seal water gauge and piping	AV, DW replaced faulty seal water gauge, then pvc piping began to leak. Repair section, and test OK.	Aram Varjarbedian	10/18/20	Completed
10/19/20	12844	31 - WW Headworks	Drain pipe leaking into channel. Needs to be diverted for cotractor.	Remove corroded cast iron piping and install adapter pvc pipe as extension, and then pull up and over a 6 inch flex hose and divert it to aerated grit tank.	Aram Varjarbedian	10/19/20	Completed
10/20/20	12848	PS 5 Wet Well	Wetwell cleaning	DW/ES/ Hoadly vacuumed out surface solids from wet well, cleaned aerator and transducer.	David Wilson	10/21/20	Completed
10/20/20	12849	PS 4 Wet Well	Wetwell cleaning	DW/ES/ Hoadly vacuumed out surface solids from wet well, cleaned aerator and transducer.	David Wilson	10/21/20	Completed
10/20/20	12850	PS A Wet Well	Wetwell cleaning	DW/ES/ Hoadly vacuumed out surface solids from wet well, cleaned aerator and transducer. Retrieved broken diffuser disk and peice of driftwood.	David Wilson	10/21/20	Completed
10/20/20	12845	20 - WW - collections - general	Hoadley on site	Hoadley on site cleaned pit, screening box, station wetwells 4,5,A dump removal at pit	Eric Sutton	10/20/20	Completed
10/22/20	12851	30 - WW Treatment Plant - General	Replace seized NTP to garden hose adapters for hot and cold water valves in garage.	Isolated water to valves. Relieved pressure and adapters from valves. Installed new adapters and coated garden hose ends with pfte tape. Cut ends of garden hoses and replaced female fittings. Hole on side of hose cut away and added male end. Pressure tested without leaks.	David Wilson	10/22/20	Completed
10/23/20	12852	RAS Pump 3	Low flow	Lock out tag out remove debris put back online before debris removal .33 after .66	Eric Sutton	10/23/20	Completed
10/26/20	12855	Influent Pump 1 Motor	Motor shorted out and failed	Motor failed on 10/24, contacted HiVoltage, confirmed motor short and deteriorated wire connectors. Moved infl pump motor from pump 2 and installed at Pump1. AV, BB, DW assisted with moving motor and set up.	Outside Contractor	10/26/20	Completed
10/27/20	12853	RST unit	Drum wheel failure.	Identify failed drum wheel. LOTO of equipment. Replaced wheel. Required loosening drive chain for replacement. Lubed and adjusted chain. Cleaned and coated adjustment bolt and locknut. Replaced gear reducer breather. Returned to service and verified alignment.	David Wilson	10/27/20	Completed
10/27/20	12854	Influent Pump 2 Motor	Motor fail	Used forklift with hoist to extract motor from basement. With that re organized garage due to some clutter accumulated	Eric Sutton	10/27/20	Completed

Corrective Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/28/20	12856	PS 9 Generator	Replace block heater	Completed	Jody St. George	10/28/20	Completed
10/28/20	12857	Portable Diesel Pump 6A Thompson 6" 900 - 1000 gpm	Stud extraction from pump case.	Removed pump drain cover to expose stud. Cleaned away corrosion and soaked with penetrating oil. Used map gas torch to heat up case around stud. Stud let go and was extracted. Found used stud and was able to clean up and install. Made new gasket. Cleaned drain cover and gasket surface. Assembled with antiseize. Reccomend replacement parts: 4 of each Q11-0000-326 Wrench 10M-1.5BR2 Q11-0000-331 Stud 10M-1.5-45M-OAL-304SS	David Wilson	10/28/20	Completed
10/29/20	12858	RAS Pump 3	Removing rags and debris from pump.	Removed the pump and cleared the impeller and volute. While reassembling the pump it was discovered the two bolts next to each other were stripped causing the seal to fail and leak. DW removed all excess liquid from the screw holes and cleaned out the debris. A thread of gasket maker was added and the pump was then reassembled and sealed tight. The leaking subsided and the pump is functional.	Ryan Holman	10/29/20	Completed
10/31/20	12859	RAS Pump 2	Clearing rags from the volute and impeller	Locked out electrical source and removed the pump from the volute. Cleared the rag ball from the volute and impeller then reassembled and tested the pump. All is in good condition and running at .68 MGD.	Ryan Holman	10/31/20	Completed

Inspections

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/1/20	12241	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested all emergency eye wash and shower stations throughout the plant.	Ryan Holman	9/27/20	Completed
10/1/20	12291	PS 9	PS #9 Inspection - Monthly	Inspected wet well and fire extinguisher. Tested high level alarm and sump pump. No issues found.	David Wilson	9/3/20	Completed
10/1/20	12290	PS 6	PS #6 Inspection - Monthly	Inspected wet well and fire extinguisher. Tested high level alarm and sump pump. No issues found.	David Wilson	9/3/20	Completed
10/4/20	12352	Truck 4 - 2015 Nissan Frontier	Monthly vehicle inspection on do-Forms	Completed. 108,500 mi. No issues	Aram Varjarbedian	9/7/20	Completed
10/6/20	12484	Truck 1 - 2010 Dodge Ram 1500	Monthly vehicle inspection on do-Forms	No issues found.	David Wilson	10/5/20	Completed
10/6/20	12494	Truck 2 - 2009 Chevy 2500 HD	Monthly vehicle inspection on do-Forms	Leaking from overhead cab lighting.	David Wilson	10/5/20	Completed
10/6/20	12504	Truck 3 - 2015 Chevy 3500 HD	Monthly vehicle inspection on do-Forms	No issues found.	David Wilson	10/5/20	Completed
10/6/20	12444	PS 4	PS #4 Inspection - Monthly	Inspected wet well and fire extinguisher. Wet well has about 80% surface solids. Requires cleaning. Tested high level alarm and sump pump.	David Wilson	10/1/20	Completed
10/6/20	12445	PS 5	PS #5 Inspection - Monthly	Inspected wet well and fire extinguisher. Wet well has about 75% surface solids. Requires cleaning. Tested high level alarm and sump pump.	David Wilson	10/1/20	Completed

Inspections

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/6/20	12446	PS 6	PS #6 Inspection - Monthly	Inspected wet well and fire extinguisher. Tested high level alarm and sump pump. Surface solids visible from above.	David Wilson	10/1/20	Completed
10/6/20	12447	PS 9	PS #9 Inspection - Monthly	Inspected wet well and fire extinguisher. Tested high level alarm and sump pump.	David Wilson	10/1/20	Completed
10/7/20	12442	PS 1	PS #1 Inspection - Monthly	Inspected wet well and fire extinguisher. Tested high level alarm and sump pump.	David Wilson	10/1/20	Completed
10/7/20	12448	PS A	PS #A Inspection - Monthly	Inspected wet well and fire extinguisher. Wet well has about 90% surface solids. Requires cleaning. Tested sump pump and high level alarm.	David Wilson	10/1/20	Completed
10/7/20	12286	PS 1	PS #1 Inspection - Monthly		David Wilson	9/3/20	Completed
10/7/20	12287	PS 3	PS #3 Inspection - Monthly		David Wilson	9/3/20	Completed
10/7/20	12288	PS 4	PS #4 Inspection - Monthly		David Wilson	9/3/20	Completed
10/7/20	12289	PS 5	PS #5 Inspection - Monthly		David Wilson	9/3/20	Completed
10/7/20	12292	PS A	PS #A Inspection - Monthly		David Wilson	9/3/20	Completed
10/7/20	12443	PS 3	PS #3 Inspection - Monthly	Inspected wet well and fire extinguisher. Tested high level alarm and sump pump. Sump pump not working.	David Wilson	10/1/20	Completed
10/9/20	12399	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Tested and inspected all emergency eye wash and shower stations throughout the plant.	Ryan Holman	10/4/20	Completed
10/14/20	12496	Seconday Electrical Control Manhole	Inspect Secondary Electrical Manhole	Pumped out 6 inches of rainwater.	David Wilson	10/6/20	Completed
10/16/20	12400	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested all emergency eye wash and shower stations throughout the plant.	Ryan Holman	10/11/20	Completed
10/18/20	12505	Truck 4 - 2015 Nissan Frontier	Monthly vehicle inspection on do-Forms		Aram Varjarbedian	10/5/20	Completed
10/18/20	12499	Universal waste area	Universal Waste Storage Area Inspection		Aram Varjarbedian	10/13/20	Completed
10/18/20	12498	Waste Oil Storage	Waste Oil Area Inspection		Aram Varjarbedian	10/13/20	Completed
10/18/20	12513	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		Aram Varjarbedian	10/1/20	Completed
10/21/20	12847	PS 6 Pump 2	Impeller inspection	DW/JS LOTO of pump 2. Removed side and bottom cleanouts for impeller inspection. Removed some debris caught on impeller nut. Reassembled and returned to service.	David Wilson	10/21/20	Completed
10/21/20	12846	PS 6 Pump 1	Impeller inspection	DW/JS LOTO of pump 1. Removed side and bottom cleanouts for impeller inspection. Removed some debris caught on impeller nut. Reassembled and returned to service.	David Wilson	10/21/20	Completed
10/22/20	12401	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested all emergency eye wash and shower stations throughout the plant.	Ryan Holman	10/18/20	Completed
10/27/20	12402	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested all emergency eye wash and shower stations throughout the plant. Also charged and did semi- annual cleaning of portable eye wash stations.	Ryan Holman	10/25/20	Completed

Inspections

Statu Dat	WO#	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/28	/20 12404	Emergency Lighting & exit signs	Emergency Lighting Inspection - Monthly	Tested and inspected all E-Lighting in the plant. Unit located 2nd level outside the control room door is not functioning properly.	Ryan Holman	10/14/20	Completed
10/28	20 12481	Fire Extinguishers	WWTF Fire Extinguisher Inspections - Monthly	Inspected all fire extinguishers located in the plant.	Ryan Holman	10/5/20	Completed

reventa	ative Ma	aintenance					
Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/1/20	12141	PS 9	PUMP STATIONS - QUATERLY PM'S	Inspected wet well and fire extinguisher. Less than 10% surface solids. Tested high level alarm and sump pump. No issues found.	David Wilson	8/4/20	Completed
10/2/20	12355	High level floats	Weekly High Float Alarm test	Tested and inspected all high level floats and alarms throughout the plant except the high level floats in headworks. This is due to the on going work in this area.	Ryan Holman	9/20/20	Completed
10/4/20	12519	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY	Inspected fluid levels and checked for condensation.	David Wilson	10/4/20	Completed
10/4/20	12503	Chlorine probe ATI	Change electrolyte	Chg solution	Aram Varjarbedian	10/1/20	Completed
10/4/20	12255	Influent Sluice Isolation Gate	Weekly operate through full range	Gate is closed for headworks project	Aram Varjarbedian	9/30/20	Completed
10/5/20	12138	PS 6	PUMP STATIONS - QUATERLY PM'S	Inspected seals, hubs and couplings. Exercised all valves and lubricated all bearings. No unusual noises or vibration.	David Wilson	8/4/20	Completed
10/5/20	12279	Primary Scum Pump	Pen Valley Double Disc pumps - Quarterly	Pump has been out of service since last service. Ran pump, no unusual noises or vibration.	David Wilson	9/10/20	Completed
10/5/20	12421	Mechanical Screen & Washpress System	Monthly Maintenance	Out of service due to headworks bypass.	David Wilson	10/5/20	Completed
10/6/20	12356	High level floats	Weekly High Float Alarm test	Tested all high level floats and alarms throughout the plant.	Ryan Holman	9/27/20	Completed
10/7/20	12488	PS Trailer Mounted Generator	Generator - Monthly Load Test	Load tested all station generators. No issues found.	David Wilson	10/4/20	Completed
10/7/20	12130	PS 1	PUMP STATIONS - QUATERLY PM'S	Exercised all valves and greased all bearings. Inspected seals, hubs and couplings.	David Wilson	8/4/20	Completed
10/7/20	12142	PS A	PUMP STATIONS - QUATERLY PM'S	Exercised all valves and greased all bearings. Inspected seals, hubs and couplings. Discharge pressure gauges clogged with fog. Recommend replacement.	David Wilson	8/4/20	Completed
10/7/20	12133	PS 3	PUMP STATIONS - QUATERLY PM'S	Exercised all valves and greased all bearings. Inspected seals,hubs and couplings.	David Wilson	8/4/20	Completed
10/7/20	12268	Aeration Blower 1	Aeration Blower #1 Air Filter Inspection - monthly		David Wilson	9/22/20	Completed
10/7/20	12269	Aeration Blower 2	Aeration Blower #2 Air Filter Inspection - Monthly		David Wilson	9/24/20	Completed
10/11/20	12520	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY	Drained off condensation and set oil level. Tested alarm and cutoff circuits.	David Wilson	10/11/20	Completed
10/12/20	12506	High level floats	Weekly High Float Alarm test	Tested all high level floats and alarms throughout the plant.	Ryan Holman	10/4/20	Completed

Status Date	WO#	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/15/20	12841	Chlorine Contact Tank 2	Tank cleaning	DW/ES/RH/BB/JB Worked together to clean CCT 2. Shut off bisulfite and transferred CL2 probe to CCT 1. Set up 6" Thompson pump to pump back to inflent sampler manhole. Washed out debris and equalized tanks. Switched flow back to CCT 2. Isolated CCT1 and pumped out consents. Let pump go air bound and shut down for storage. Seperated and stowed all hoses.	David Wilson	10/15/20	Completed
10/16/20	12507	High level floats	Weekly High Float Alarm test	Tested all high level floats and alarms throughout the plant.	Ryan Holman	10/11/20	Completed
10/18/20	12521	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY	Drained off condensation and replaced fluid. Tested alarm and cutoff switch.	David Wilson	10/18/20	Completed
10/18/20	12508	High level floats	Weekly High Float Alarm test	Tested all high level floats and alarms throughout the plant.	Ryan Holman	10/18/20	Completed
10/18/20	12418	Influent Sluice Isolation Gate	Weekly operate through full range	Headworks is in bypass. Influent gate is locked out closed.	David Wilson	10/14/20	Completed
10/18/20	12515	Generators "All Pump Station"	Generator Weekly - Test Run no load	All generators ran under load due to loss of power.	David Wilson	10/12/20	Completed
10/18/20	12485	PS Trailer Mounted Generator	Generator Weekly - Test Run no load	Generator ran loaded due to loss of power.	David Wilson	10/12/20	Completed
10/18/20	12410	Generator #1- Emergency Kohler 750	Generator Weekly - Test Run no load	Loss of power. Generator ran loaded.	David Wilson	10/12/20	Completed
10/18/20	12409	Generator #1- Emergency Kohler 750	Generator - Monthly Load Test	Loaded generator run completed. Recorded all run data.	David Wilson	10/4/20	Completed
10/18/20	12518	Generators "All Pump Station"	Generator - Monthly Load Test	All stations loaded generator runs completed.	David Wilson	10/4/20	Completed
10/18/20	12417	Influent Sluice Isolation Gate	Weekly operate through full range	Headworks bypass. Influent gate is locked out closed.	David Wilson	10/7/20	Completed
10/20/20	12423	Influent Pump 2	Monthly Check Pump Couplings	LOTO of equipment. Inspected hubs and coupling. Coupling replaced and hubs measured for shaft size.	David Wilson	10/7/20	Completed
10/22/20	11809	Effluent Pumps	Effluent Pump - Monthly		David Wilson	6/15/20	Completed
10/22/20	11953	Effluent Pumps	Effluent Pump - Monthly		David Wilson	7/15/20	Completed
10/22/20	12134	PS 4	PUMP STATIONS - QUATERLY PM'S		David Wilson	8/4/20	Completed
10/22/20	12111	Effluent Pumps	Effluent Pump - Monthly		David Wilson	8/15/20	Completed
10/22/20	12137	PS 5	PUMP STATIONS - QUATERLY PM'S		David Wilson	8/4/20	Completed
10/22/20	12483	GODWIN Portable Pump	Test Run Godwin Pump-Monthly		David Wilson	10/7/20	Completed
10/22/20	12516	Generators "All Pump Station"	Generator Weekly - Test Run no load		Eric Sutton	10/19/20	Completed
10/22/20	12486	PS Trailer Mounted Generator	Generator Weekly - Test Run no load		Eric Sutton	10/19/20	Completed
10/22/20	12419	Influent Sluice Isolation Gate	Weekly operate through full range	Influent gate is locked out in the closed position.	David Wilson	10/21/20	Completed
10/22/20	12431	Effluent Pumps	Effluent Pump - Monthly	After inspection of pump 3, we were able to verify proper flow from all pumps. No loose or missing hardware and no unusual noises or vibration.	David Wilson	10/15/20	Completed

Status Date	WO#	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
	12411	Generator #1- Emergency Kohler 750	Generator Weekly - Test Run no load		David Wilson	10/19/20	Completed
10/22/20	12407	Generator #2 - Backup Detroit 500	Generator Weekly - Test Run no load		David Wilson	10/19/20	Completed
10/22/20	12406	Generator #2 - Backup Detroit 500	Generator Weekly - Test Run no load		David Wilson	10/12/20	Completed
10/22/20	12435	RAS Pump 3	Monthly Check Pump Couplings		David Wilson	10/7/20	Completed
10/22/20	12434	RAS Pump 2	Monthly Check Pump Couplings		David Wilson	10/7/20	Completed
10/22/20	12433	RAS Pump 1	Monthly Check Pump Couplings		David Wilson	10/7/20	Completed
10/22/20	12511	Recirculation pump #1	Monthly Check Pump Couplings	Direct drive	David Wilson	10/7/20	Completed
10/22/20	12512	Recirculation Pump #2	Monthly Check Pump Couplings	Direct drive	David Wilson	10/7/20	Completed
10/22/20	12479	Plant Water Pump 1	Monthly Check Pump Couplings	Direct drive	David Wilson	10/7/20	Completed
10/22/20	12480	Plant Water Pump 2	Monthly Check Pump Couplings	Direct drive	David Wilson	10/7/20	Completed
10/22/20	12259	Influent Pump 1	Monthly Check Pump Couplings		David Wilson	9/2/20	Completed
10/22/20	12260	Influent Pump 2	Monthly Check Pump Couplings		David Wilson	9/2/20	Completed
10/22/20	12263	Influent Pump 3	Monthly Check Pump Couplings		David Wilson	9/2/20	Completed
10/22/20	12264	Influent Pump 4	Monthly Check Pump Couplings		David Wilson	9/2/20	Completed
10/22/20	12267	Influent Pump 5	Monthly Check Pump Couplings		David Wilson	9/2/20	Completed
10/22/20	12424	Influent Pump 3	Monthly Check Pump Couplings	LOTO of equipment. Inspected hubs and coupling. No issues found.	David Wilson	10/7/20	Completed
10/22/20	12425	Influent Pump 4	Monthly Check Pump Couplings	LOTO of equipment. Inspected hubs and couplings. No issues found.	David Wilson	10/7/20	Completed
10/22/20	12426	Influent Pump 5	Monthly Check Pump Couplings	LOTO of equipment. Inspected hubs and coupling. No issues found.	David Wilson	10/7/20	Completed
10/23/20	12514	FIRE ALARM SYSTEM	Fire alarm - semi annual	Outside vendor came and inspected and tested fire alarm system.	Ryan Holman	10/5/20	Completed
10/25/20	12522	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY	Drained off condensation and set oil level. Tested alarm and cutoff switches.	David Wilson	10/25/20	Completed
10/27/20	12429	Aeration Tank 1 Oxygen Probe	AT #1 DO Probe Clean and Calibrate - Monthly	Cleaned and calibrated LDO probe26 offset	David Wilson	10/6/20	Completed
10/27/20	12430	Aeration Tank 3 Oxygen Probe	AT #3 DO Probe Clean and Calibrate - Monthly	Cleaned and calibrated LDO probe38 offset.	David Wilson	10/6/20	Completed
10/27/20	12412	Generator #1- Emergency Kohler 750	Generator Weekly - Test Run no load	Inspected all fluid levels and brought up to operating temp. Recorded all run data. No issues found	David Wilson	10/26/20	Completed
10/27/20	12408	Generator #2 - Backup Detroit 500	Generator Weekly - Test Run no load	Inspected all fluid levels and brought up to operating temp. Recorded all run data.	David Wilson	10/26/20	Completed
10/27/20	12422	Influent Pump 1	Monthly Check Pump Couplings	LOTO of equipment. Inspected hubs and coupling. No issues found.	David Wilson	10/7/20	Completed
10/27/20	12432	Wet Scrubber Fan	Scrubber Exhaust Fan PM - Monthly	LOTO of equipment. Inspected bearings and belt adjustments. Lubed pillow block bearings. Belts adjustment not needed.	David Wilson	10/14/20	Completed

Status Date	WO#	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/28/20	12258	Influent Pump 1	Influent Pump #1 PM & Inspection - SEMI ANNUAL		David Wilson	9/7/20	Completed
10/28/20	12261	Influent Pump 2	Influent Pump #2 PM & Inspection - SEMI ANNUAL		David Wilson	9/7/20	Completed
10/28/20	12265	Influent Pump 4	Influent Pump #4 PM & Inspection -SEMI ANNUAL		David Wilson	9/7/20	Completed
10/28/20	12266	Influent Pump 5	Influent Pump #5 PM & Inspection - SEMI ANNUAL		David Wilson	9/7/20	Completed
10/28/20	12428	Aeration Blower 2	Aeration Blower #2 Air Filter Inspection - Monthly		David Wilson	10/22/20	Completed
10/28/20	12427	Aeration Blower 1	Aeration Blower #1 Air Filter Inspection - monthly		David Wilson	10/27/20	Completed
10/28/20	12420	Influent Sluice Isolation Gate	Weekly operate through full range	Influent gate is locked closed for headworks bypass.	David Wilson	10/28/20	Completed
10/28/20	12398	Portable Generator - Honda	Portable Generator Inspection - Monthly	Checked all fluid levels. Brought up to operating temp. No issues found.	David Wilson	10/7/20	Completed
10/28/20	12438	Primary Sludge Pump 1	Monthly Check Pump Couplings	Inspected hubs and coupling. No issues found.	David Wilson	10/7/20	Completed
10/28/20	12439	Primary Sludge Pump 2	Monthly Check Pump Couplings	Inspected hubs and coupling. No issues found.	David Wilson	10/7/20	Completed
10/28/20	12436	RST Feed Pump 1	Monthly Check Pump Couplings	Inspected hubs and coupling. No issues found.	David Wilson	10/7/20	Completed
10/28/20	12437	RST Feed Pump 2	Monthly Check Pump Couplings	Inspected hubs and coupling. No issues found.	David Wilson	10/7/20	Completed
10/28/20	12440	Sludge Transfer Pump 1	Monthly Check Pump Couplings	Inspected hubs and coupling. No issues found.	David Wilson	10/7/20	Completed
10/28/20	12441	Sludge Transfer Pump 2	Monthly Check Pump Couplings	Inspected hubs and coupling. No issues found.	David Wilson	10/7/20	Completed
10/31/20	12509	High level floats	Weekly High Float Alarm test	Tested all high level floats and alarms throughout the plant.	Ryan Holman	10/25/20	Completed

Status Date	WO#	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
10/27/20	12403	Eyewash Stations	All Portable Eye wash stations - semi annual	Changed water and added additive. Also recharged and tested both units located in the bisulfite shed and influent pump room. Influent pump room unit pressure gauge is not reading the correct pressure. RH/DW	Ryan Holman	10/1/20	Completed

Date	Asset ID	Asset Description	Asset Class	Name	Workflow Class	View
10/28/2020 15:41	MH-20003	MH-20003	Sanitary Manhole	Boornazian, Bill	Generic WO	View
10/5/2020 14:25	204 N Truro St	204 N Truro St Grinder Pump	Hull Grinder Pumps	Sutton, Eric	Hull - Grinder Pump Maintenance	View
10/30/2020 12:56	26 Rockview Rd	26 Rockview Rd Grinder Pump	Hull Grinder Pumps	Holman, Ryan	Hull - Grinder Pump Maintenance	View
10/10/2020 14:33	28 Pond St	28 Pond St Grinder Pump	Hull Grinder Pumps	Sutton, Eric	Hull - Grinder Pump Maintenance	View
10/15/2020 14:55	Bacteria UNIT #21	UNIT #21	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units	View
10/15/2020 14:54	Bateria UNIT #3	UNIT #3	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units	View
10/15/2020 14:58	Bateria UNIT #4	UNIT #4	Hull In Pipe Bacteria Unit	Sutton, Eric	Hull - In Pipe Bacteria Units	View
10/6/2020 8:16	05-021	40 VAUTRINOT AVE	Hull Parcels	Sutton, Eric	Hull - Markout	View
10/6/2020 8:14	05-022	36 VAUTRINOT AVE	Hull Parcels	Sutton, Eric	Hull - Markout	View
10/6/2020 9:12	05-079	75 HIGHLAND AVE	Hull Parcels	Sutton, Eric	Hull - Markout	View
10/22/2020 11:14	07-025	1133 NANTASKET AVE	Hull Parcels	Holman, Ryan	Hull - Markout	View
10/6/2020 9:46	10-003	75 PT ALLERTON AVE	Hull Parcels	Sutton, Eric	Hull - Markout	<u>View</u>
10/12/2020 10:46	13-083	148 CADISH AVE	Hull Parcels	Sutton, Eric	Hull - Markout	View
10/27/2020 11:21	18-009	28 C STREET	Hull Parcels	Holman, Ryan	Hull - Markout	View
10/19/2020 12:11	22-162	243 KINGSLEY RD	Hull Parcels	Holman, Ryan	Hull - Markout	View
10/23/2020 12:12	23-135	90 MANOMET AVE	Hull Parcels	Sutton, Eric	Hull - Markout	View
10/6/2020 9:56	25-003	63 BEACH AVE	Hull Parcels	Sutton, Eric	Hull - Markout	View
10/22/2020 12:42	26-127	62 STAFFORD RD	Hull Parcels	Holman, Ryan	Hull - Markout	View
10/27/2020 11:36	26-212	451 NANTASKET AVE	Hull Parcels	Holman, Ryan	Hull - Markout	View
10/15/2020 12:04	28-058	11 SUMNER ST	Hull Parcels	Boornazian, Bill	Hull - Markout	View
10/22/2020 10:48	29-007	33 EDGEWATER RD	Hull Parcels	Holman, Ryan	Hull - Markout	View
10/14/2020 9:01	29-059	63 WHITEHEAD AVE	Hull Parcels	Sutton, Eric	Hull - Markout	View
10/14/2020 8:49	29-067	43 WHITEHEAD AVE	Hull Parcels	Sutton, Eric	Hull - Markout	View
10/6/2020 8:37	29-134	59 MOUNTFORD RD	Hull Parcels	Sutton, Eric	Hull - Markout	View
10/22/2020 10:50	30-005	97 EDGEWATER RD	Hull Parcels	Holman, Ryan	Hull - Markout	View
10/27/2020 10:39	31-005	220 NANTASKET RD	Hull Parcels	Holman, Ryan	Hull - Markout	View
10/27/2020 11:40	33-049	132 BAY STREET	Hull Parcels	Holman, Ryan	Hull - Markout	View
10/22/2020 12:56	39-069	70 PARK AVE	Hull Parcels	Holman, Ryan	Hull - Markout	View
10/29/2020 8:33	39-108	34 ROCKAWAY AVE	Hull Parcels	Sutton, Eric	Hull - Markout	View
10/22/2020 13:04	41-001	20 NANTASKET AVE	Hull Parcels	Holman, Ryan	Hull - Markout	View
10/17/2020 12:55	47-039	200 NORTH TRURO ST	Hull Parcels	Holman, Ryan	Hull - Markout	View
10/17/2020 12:56	47-112	195 NORTH TRURO ST	Hull Parcels	Holman, Ryan	Hull - Markout	View
10/6/2020 11:53	48-002	288 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout	View
10/6/2020 12:09	48-003	102 NANTASKET AVE	Hull Parcels	Sutton, Eric	Hull - Markout	View
10/6/2020 11:42	48-004	286 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout	View

10/6/2020 11:36	48-005	280 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout	<u>View</u>
10/22/2020 13:25	49-033	50 NANTASKET AVE	Hull Parcels	Holman, Ryan	Hull - Markout	<u>View</u>
10/6/2020 10:42	49-040	25 ATLANTIC HSE RD	Hull Parcels	Sutton, Eric	Hull - Markout	<u>View</u>
10/6/2020 10:57	49-041	261 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout	<u>View</u>
10/6/2020 11:18	49-043	265 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout	<u>View</u>
10/6/2020 11:28	49-045	277 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout	<u>View</u>
10/6/2020 11:05	49-059	268 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout	<u>View</u>
10/6/2020 10:54	49-060	264 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout	<u>View</u>
10/6/2020 10:50	49-061	262 ATLANTIC AVE	Hull Parcels	Sutton, Eric	Hull - Markout	<u>View</u>
10/22/2020 13:21	50-008	34 NANTASKET AVE	Hull Parcels	Holman, Ryan	Hull - Markout	<u>View</u>
10/29/2020 8:37	55-012	3 SUMMIT AVE	Hull Parcels	Sutton, Eric	Hull - Markout	<u>View</u>
10/22/2020 13:10	F_833570_2921073	1 WORRICK RD	Hull Parcels	Holman, Ryan	Hull - Markout	<u>View</u>
10/13/2020 10:27	MH-20091	MH-20091	Sanitary Manhole	Boornazian, Bill	Hull - Sewer Backup	<u>View</u>
10/6/2020 9:31	MH-20032	MH-20032	Sanitary Manhole	Sutton, Eric	MH Frame & Cover Inspection	<u>View</u>