



woodardcurran.com

COMMITMENT & INTEGRITY DRIVE RESULTS

HULL WATER POLLUTION CONTROL FACILITY

JANUARY 2023

MONTHLY OPERATING REPORT



NPDES NO. MA0101231

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1 EXECUTIVE SUMMARY

This Monthly Operating Report provides a summary of the pertinent information and activities that occurred at Hull WPCF during the month of January 2023.

- No lost-time incidents for the month of January.
- Continuing Covid-19 awareness- adhering to W&C, Town of Hull, and CDC guidelines and sharing any protocol updates.
- There were 152 effluent samples taken in January.
- There were no alarm calls afterhours that required a response by W&C staff.
- The Asset Management Accounts summaries for contract year #8 is attached- latest revision date is 1/18/23.
- There was one call from a resident on an E-One grinder pump.
- W&C's O&M continued its efforts to support the various ongoing engineering projects and upgrades at the plant- see the projects section.
- The weekly Bio Bot Covid-19 wastewater sampling & monitoring program continued with W&C staff assisting Brian Kiley of the HSD when needed.

Mike Sullivan – Plant Manager

Town of Hull WPCF

3/7//2023

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



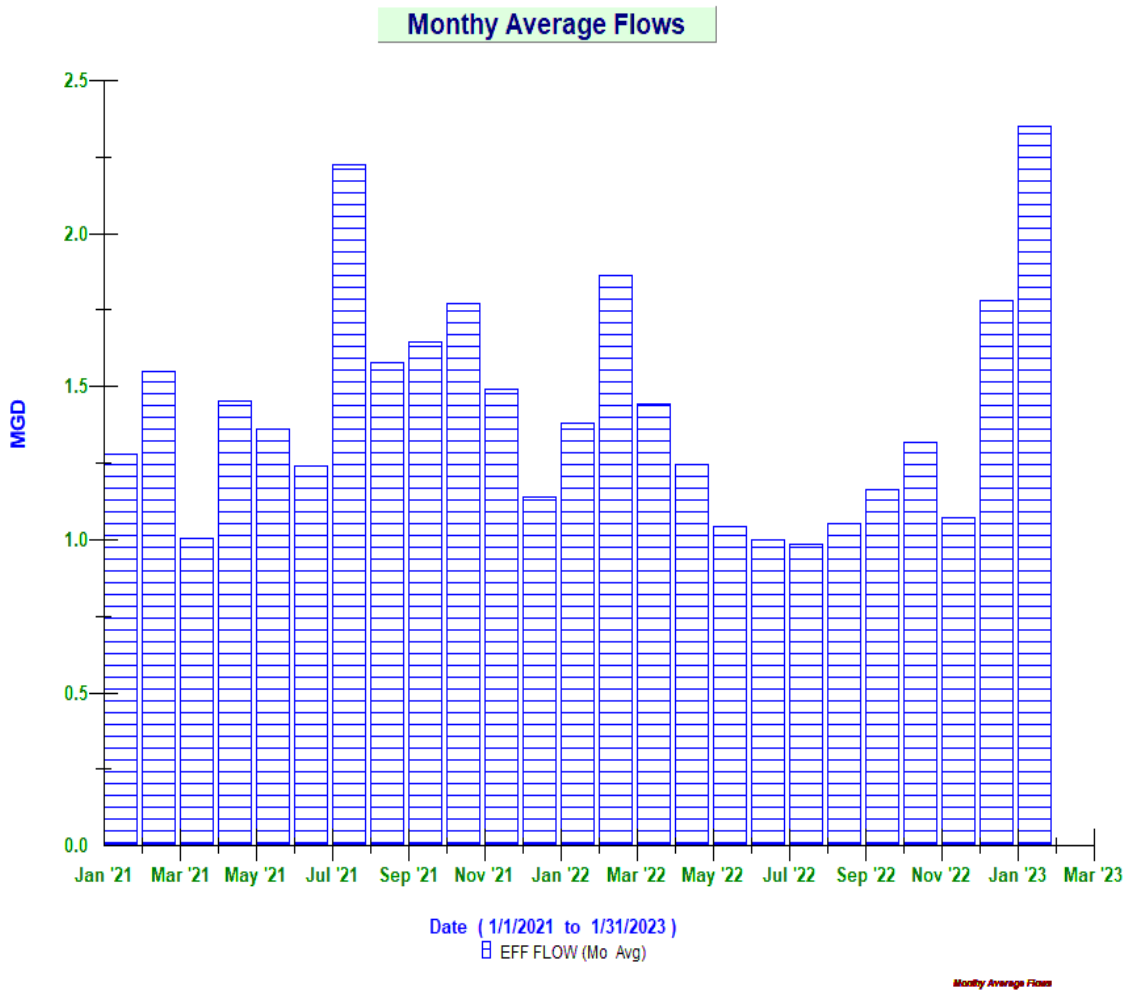
Average Daily Flows and Loadings for *January*

Month / Year	Eff Flow	Inf Flow	Inf BOD	Inf TSS	Eff BOD	EFF TSS
	MGD	MDG	LBS	LBS	LBS	LBS
Jan '21	1.28	1.57	4,774.86	4,189.02	31.43	78.85
Jan '22	1.38	1.60	1,415.36	1,655.07	45.91	127.54
Jan '23	2.35	2.18	1,963.24	2,295.65	144.58	181.79

* 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.

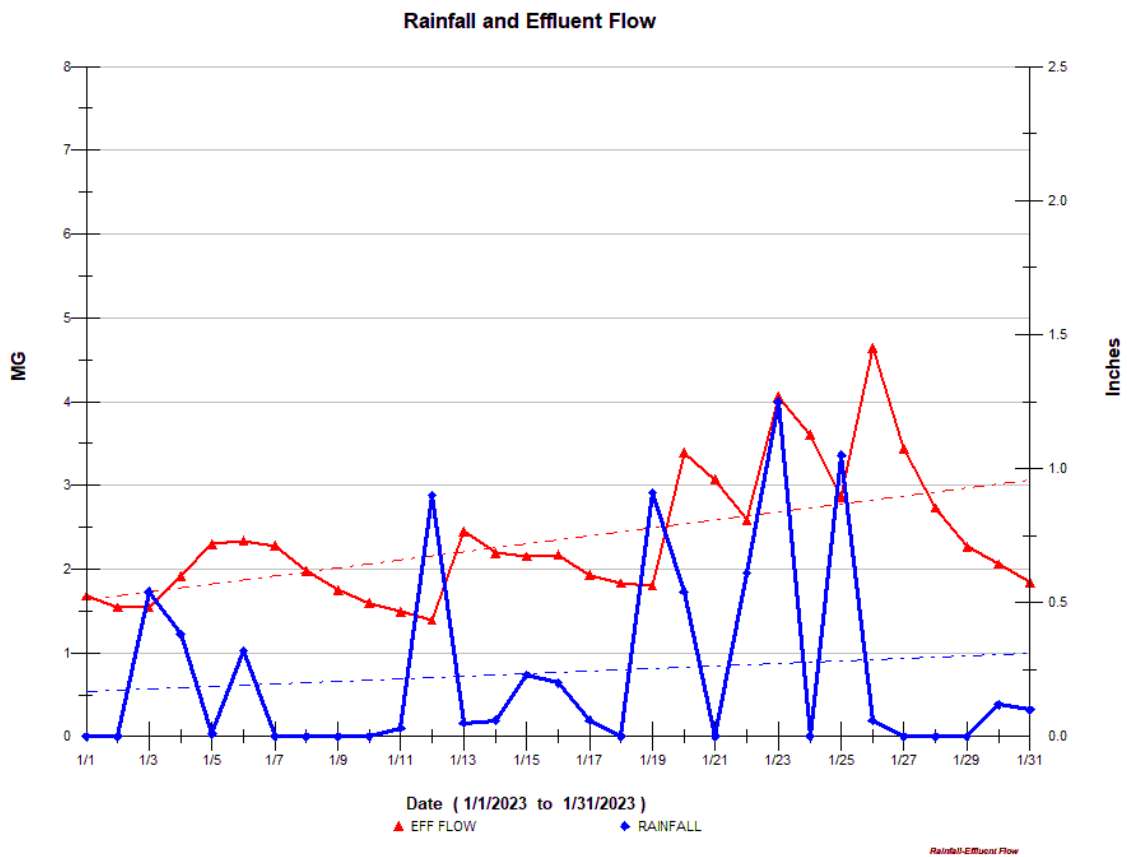
AVERAGE EFFLUENT MONTHLY FLOWS – 2+ YEAR COMPARISON

The monthly average flow for January was 2.35 MGD, well more than 1.78 MGD in December. Total precipitation for January was 7.62 inches, bit less than December’s 8.67 inches, but no impact on the plant’s process conditions. The graph below shows the 2-plus year summary of the monthly average flows.



TWO MONTH SUMMARY OF RAINFALL AND THE INFLUENCE ON EFFLUENT FLOWS

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

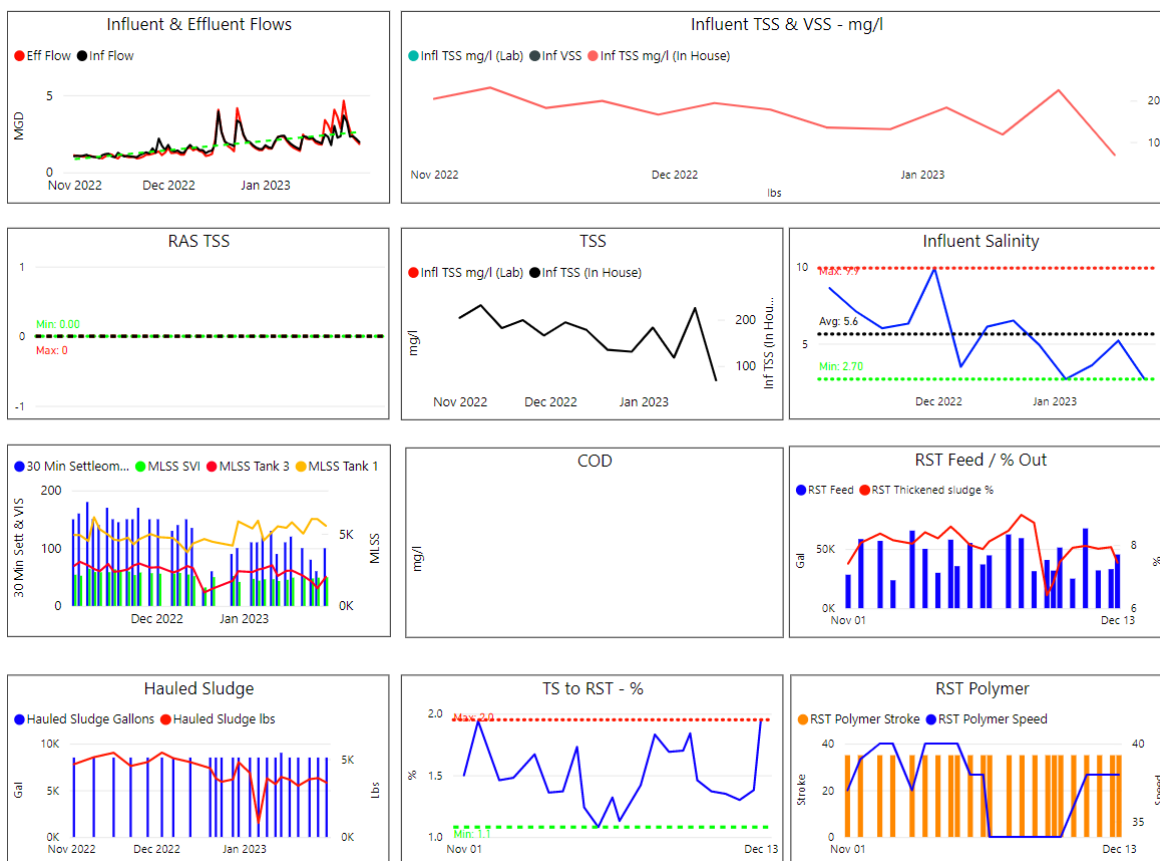


3 COMPLIANCE



➤ Plant Effluent

- The plant process conditions through January were steady.

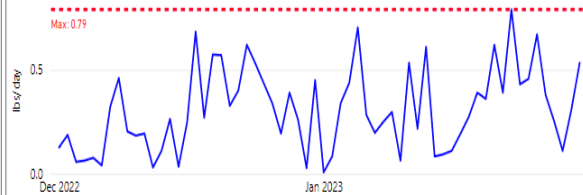
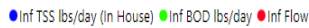


Monthly Process Summary graphs from power BI: November- December- January 2023

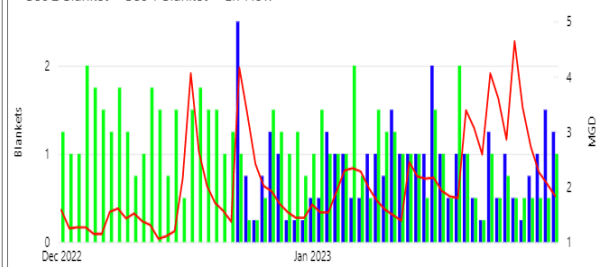
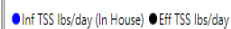
1/31/2023



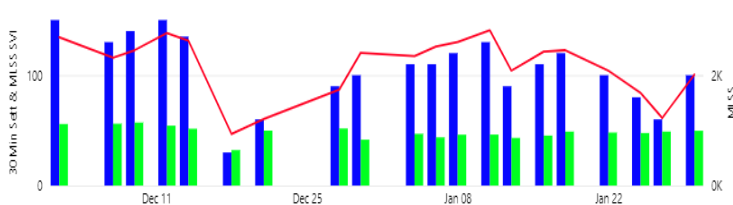
● Eff Flow ● Inf Flow



● Inf BOD lbs/day ● Eff BOD lbs/day



● 30 Min Settleometer ● MLSS SVI ● MLSS Tank 3



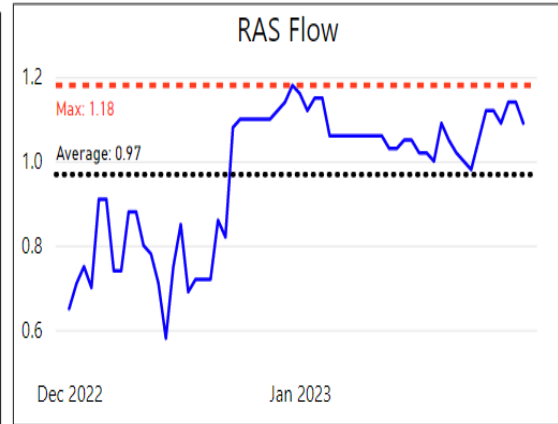
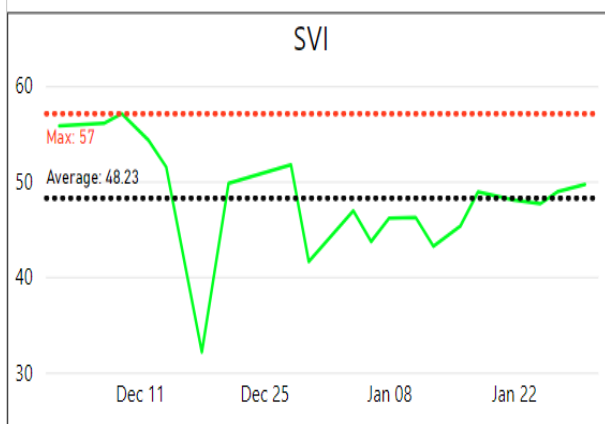
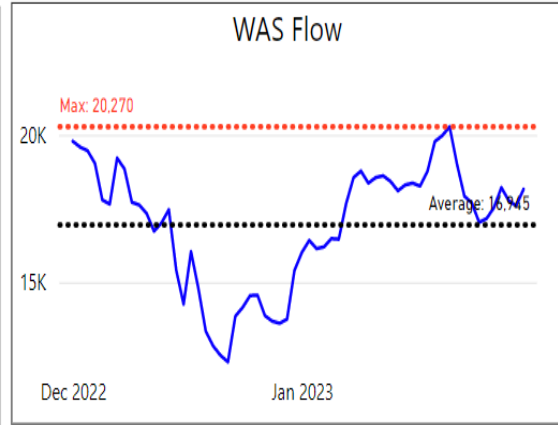
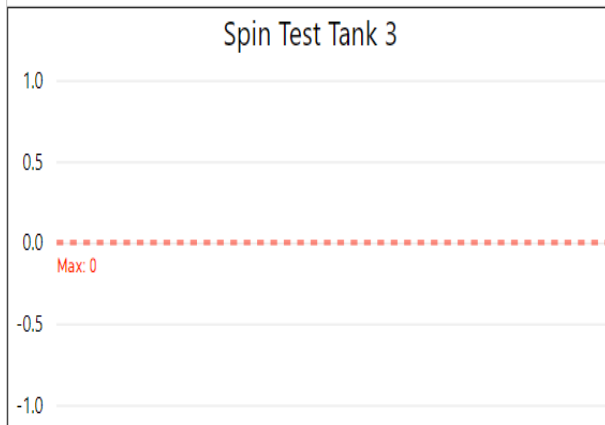
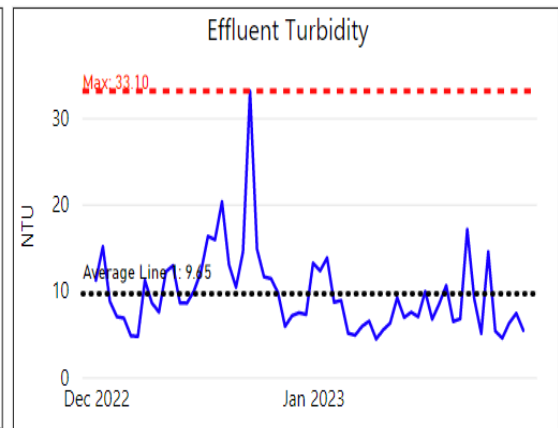
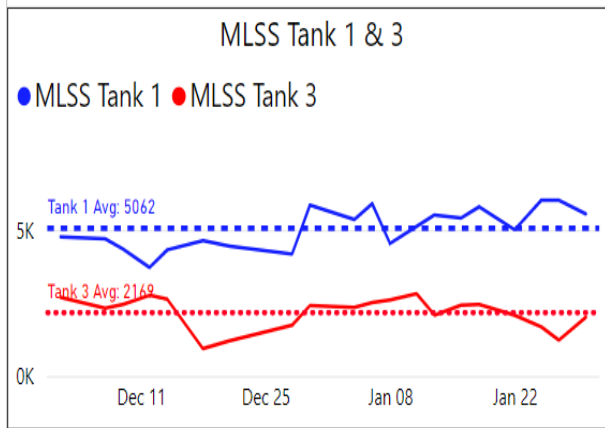
BOD & TSS Removal

Date	Eff TSS Removal	Eff BOD Removal
3/31/2021	98.12	99.01
4/30/2021	94.74	96.74
5/31/2021	96.21	97.49
6/30/2021	97.06	97.24
7/31/2021	93.82	95.73
8/31/2021	98.00	98.43
9/30/2021	97.95	94.78

Violations

Date: NOTES

January 2023



Additional Power BI Graphs showing trends of various processes – 12/31/2022 - 1/31/2023.

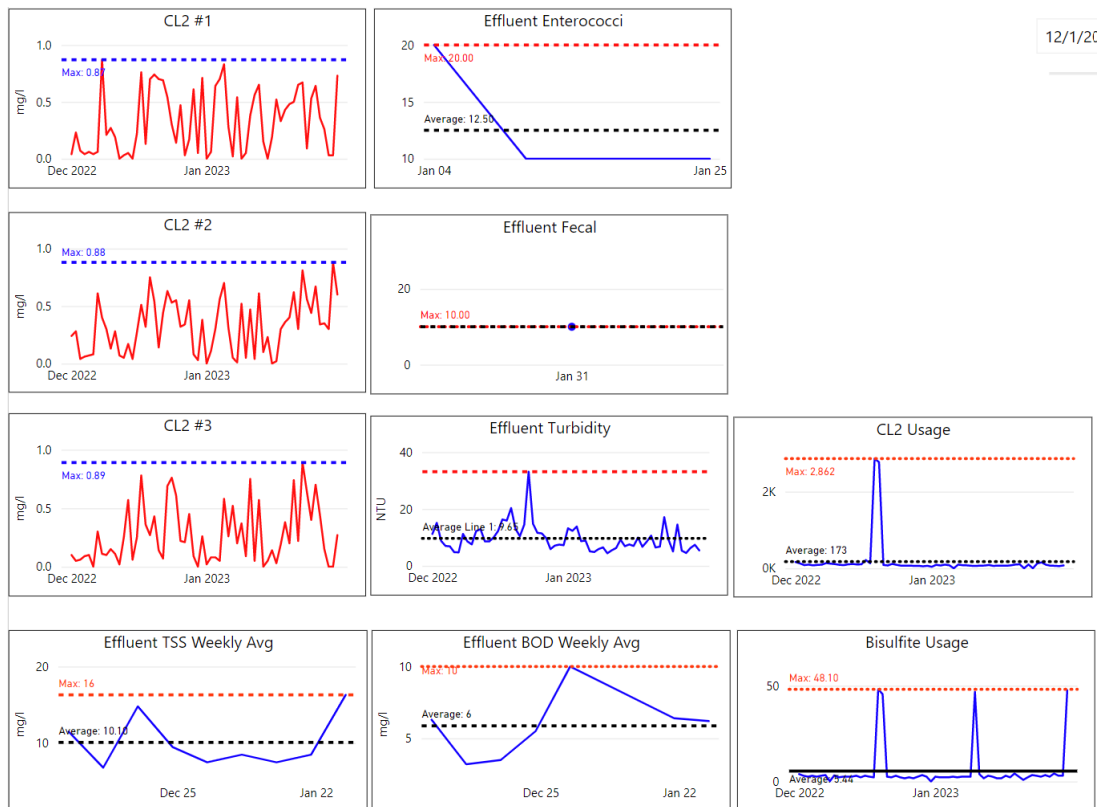
4 KEY PERFORMANCE INDICATORS



Parameter Info			Permit Requirements					Results				
Parameter	Hach WIMS Variable #	Units	Daily Max	Daily Min	Weekly Avg Max	Monthly Avg Max	Freq	Period Avg	Period Min	Period Max	# of Samples	# of Violations
Eff TSS	104 / 999081	MG/L	50		45	30	1 X Week	10.2	7.5	16.3	4	0
Eff TSS	184	LBS			1152	768	1 X Week	181.8	99.5	388.8	4	0
% TSS Rem	208	%		85			1 X Month	93.1			1	0
Eff BOD	108	MG/L	50		45	30	1 X Week	7.1	6.0	9.6	4	0
Eff BOD	185	LBS			1152	768	1 X Week	144.6	103.0	186.1	2	0
% BOD Rem	207	%		85			1 X Month	93.4			1	0
Eff Chlorine	142	MG/L	1			0.7	3 X Day	0.34	0.01	0.79	93	0
Eff Fecal	111	#/100 ML	260			88	1 X Week	10.0	10.0	10.0	4	0
Eff pH	136	SU	8.5	6.5			1X Daily	6.9	6.7	7.0	31	0
Enterococci	255	#/100 ML	276			35	1 X Week	12	10	20	4	0

There were 152 effluent samples taken in January with no violations.

EFFLUENT COMPLIANCE POWER BI GRAPHS



Quality of the effluent was satisfactory, turbidity NTU levels were normal.

Sewage Gallons Treated vs Sludge Disposed

Month	Effluent Treated, MG	Sludge Disposed, Gals
January 2021	39.6	104,500
January 2022	42.8	87,000
January 2023	72.9	85,500

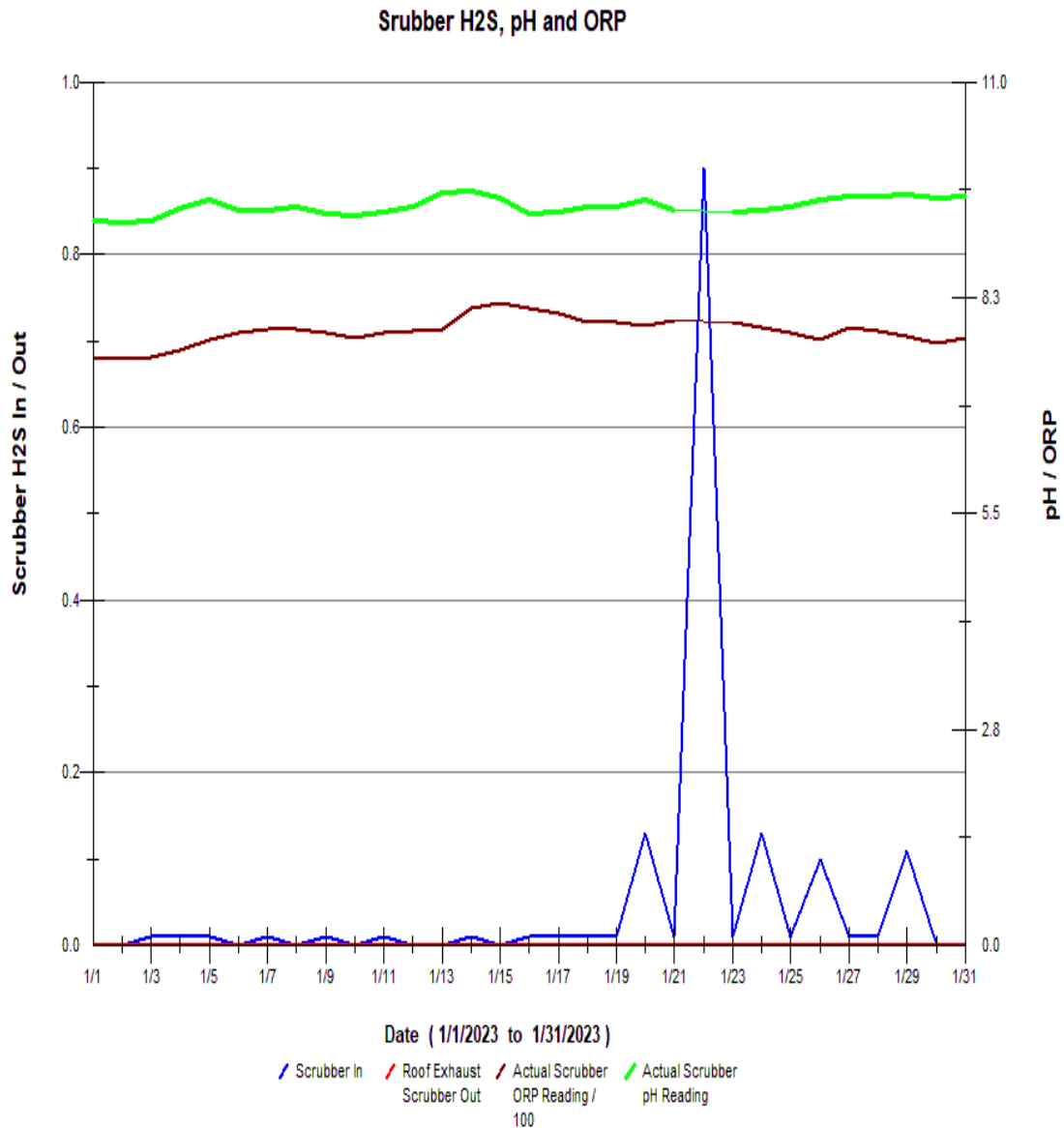
Additional Power BI graphs for sludge solids for 3-month period ending 1/31/2023.



The Bioxide system was on, and the feed rates were lowered, as normal seasonal temperatures were cooler. Monthly graphs are attached below, the daily average Bioxide use for January was about 26. gallons per day.

- The “In-Pipe” bacteria containers in the collection system manholes were changed out on January 9th and 24th.

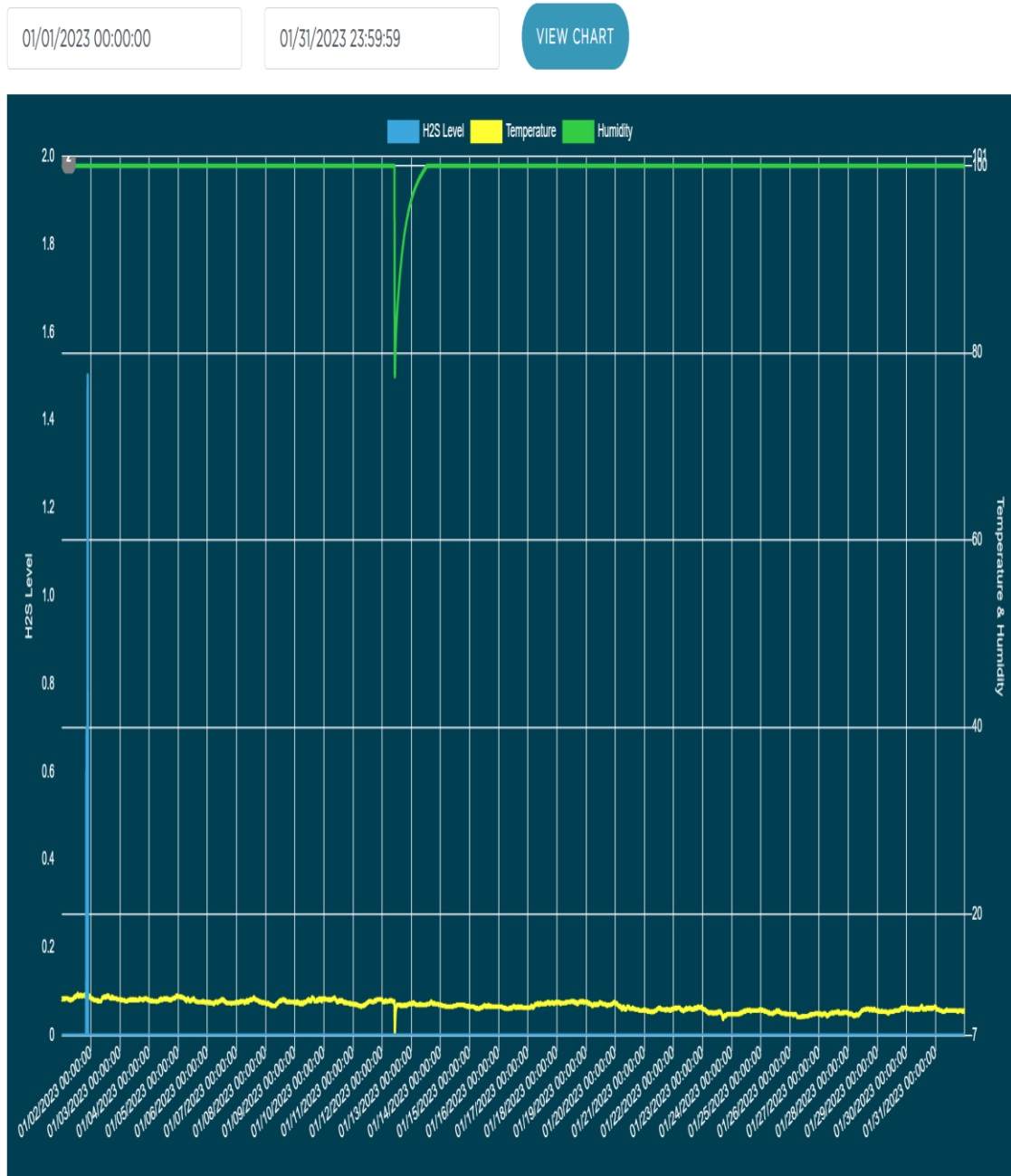
- Slight changes - Hydrogen sulfide (H₂S) monitoring units were recording and trending on the odor scrubber. [inlet and outlet]. Increased scrubber fan speed slightly. See graph below:



Scrubber H₂S, pH and ORP

[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.

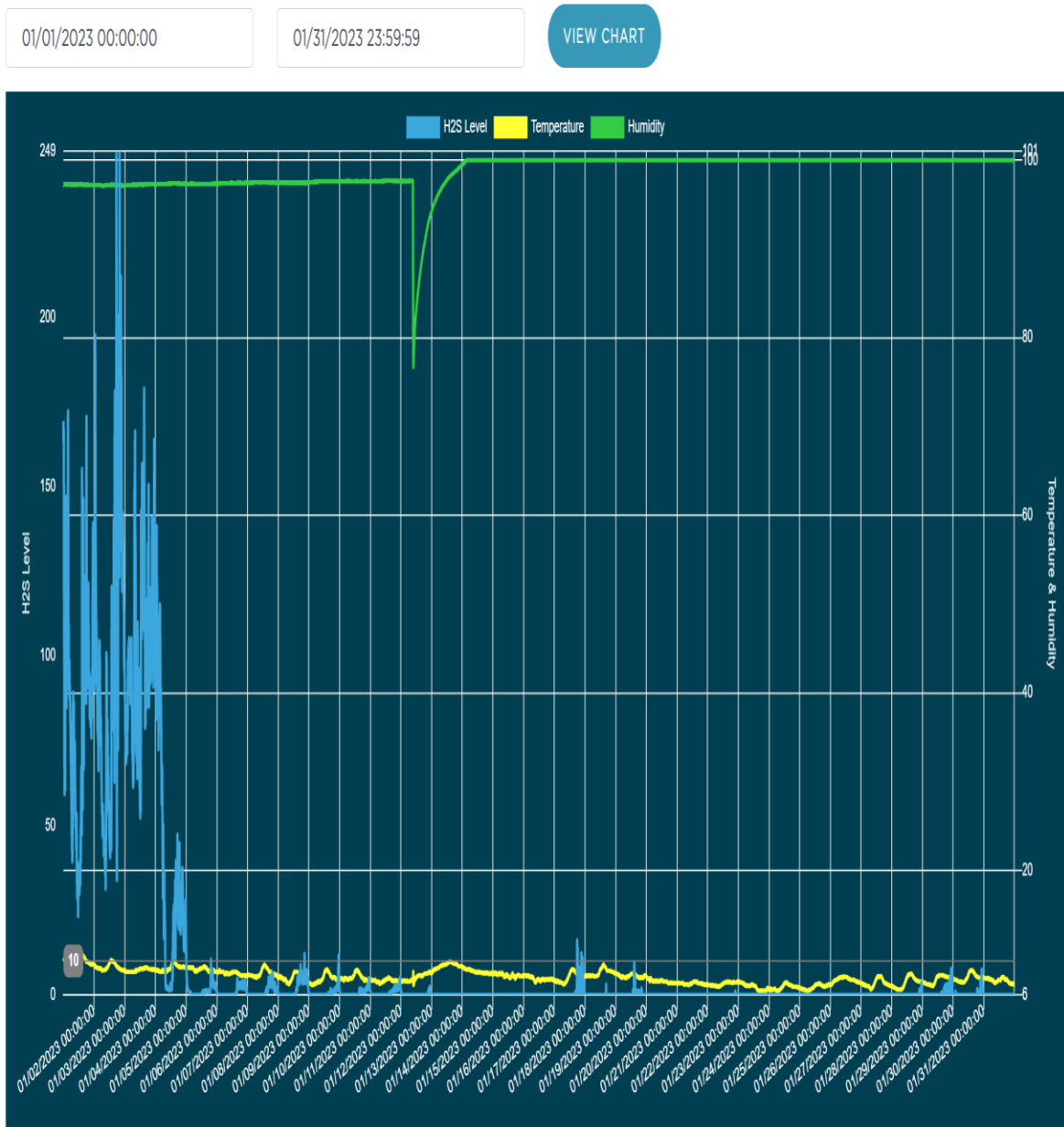
XYZ – Nantasket Ave [closest to plant]



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

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

Pump station #3 - H₂S is monitored at the end of the force main at the MH at Nantasket Ave & Water Street. Bioxide is added to allow excess nitrate in the sewage system to treat the additional H₂S added from other parts the system – such as PS #4, contributions from lines feeding the interceptor - PS #5, PS #6, PS #9, Spinnaker Island, etc., all the way to the wastewater plant. H₂S levels through January were minimal with cold temps, and adjustments for less Bioxide feed were made.



Nantasket Ave

6 MAINTENANCE SUMMARY

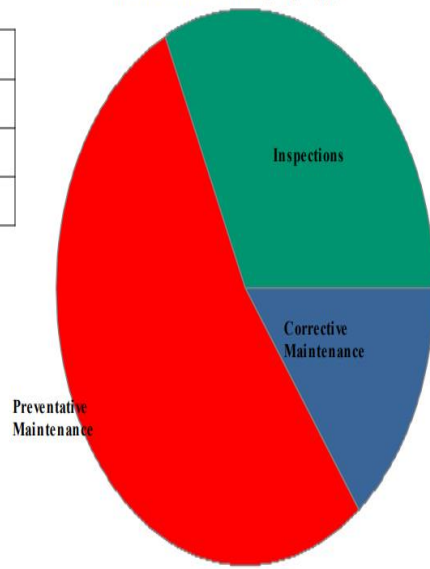


Maintenance History Report Hull Wastewater

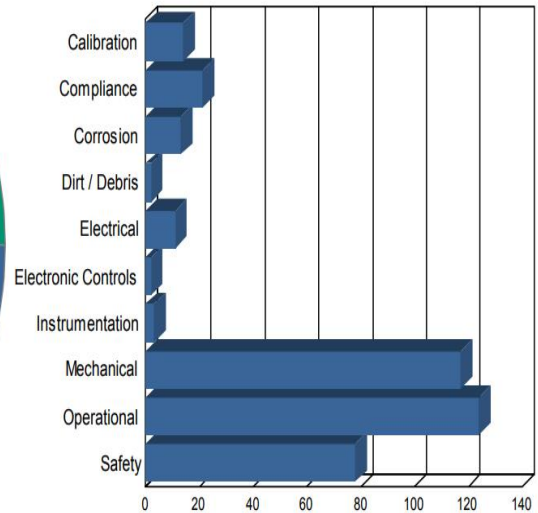
Start Date: 1/1/2023
End Date: 1/31/2023

Corrective Maintenance	57
Inspections	123
Preventative Maintenance	205
Total Work Orders	385

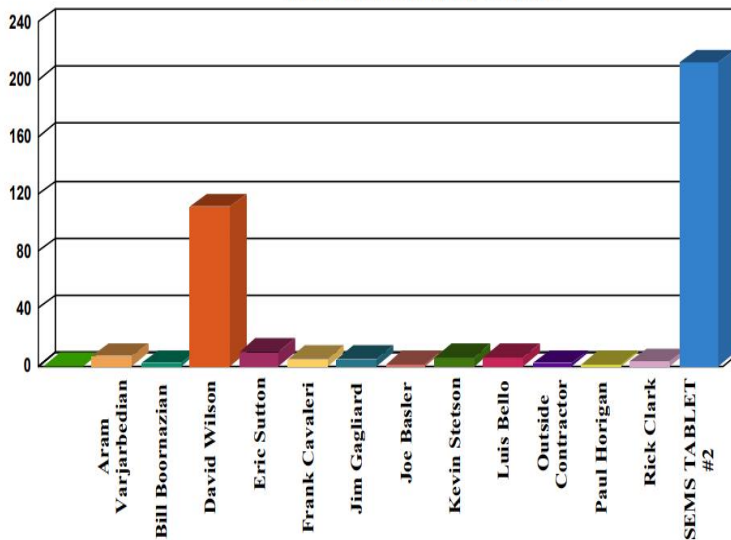
Work Order History By Type



Work Order History by Reason



Work Order History By Employee



Employee	WO Count	Labor Hours
Aram Varjarbedian	7	0
Bill Boornazian	2	0
David Wilson	111	15
Eric Sutton	10	1
Frank Cavaleri	5	0
Jim Gagliard	5	0
Joe Basler	1	0
Kevin Stetson	6	0
Luis Bello	6	0
Outside Contractor	2	1

A. TASKS COMPLETED THIS MONTH

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

- On January 4th W&C staff did a Confined Space Entry (CSE) into the Secondary Clarifier #1 to patch a hole in the scum trough caused by rot, which was leaking into the clarifier.
- On the 6th a technician from Mechanical Pump Services (CT) was at PS # 6 to install and program a new Deragger II unit on pump #2.
- Plymouth County Fire Extinguisher was onsite January 9th to inspect and service all plant and pump station extinguishers.
- On January 10th the emergency generator at LS A would not start for its weekly “No-Load” test. It was determined that the control pod- called the “Decision Maker 3500,” an exclusive Kohler generator product, had failed. South Shore Generator, the contracted service provider, promptly ordered a replacement unit.
- A technical rep from Chadwick-BaRoss was onsite January 12th to conduct tutorial training on the newly purchased “Envirosight Pole Camera.” This unit will be used in assessing the collection system mains, laterals, and Inflow & Infiltration concerns.
- On January 15th there was a power failure in the Valley Beach Road LS A neighborhood. With the emergency generator not fixed yet, Rosano-Davis was called in to pump out the wet well- the power was restored after one pumping.
- On January 17th PS #9 flow trends were noted to be inaccurate and it was determined that the pump #2’s VFD cooling fan had failed creating a heat sink affecting SCADA flow data.
- A sewage by-pass was set up at PS #3 on January 25 so that A & G Industrial Services could do concrete grouting and sealing in the station’s lower levels to reduce inflow & infiltration (I&I) of groundwater. A & G also addressed the I&I at nearby PS #1, which did not require a by-pass.
- On January 31 the #2 pump motor & frame assembly at PS #9 had to be removed to clear out some rag and debris obstructions. It was decided to install a rebuilt spare motor and the removed pump was sent to Seacoast for assessment. The #2 pump’s flow went from 330 to 745 GPM.

B. ASSET MANAGEMENT ACCOUNTS

- **Please see the attached summary totals and planned expenditures for the Asset Management accounts for contract year (8). Most recent through 1/18/23**

5 SAFETY



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

- No lost time incidents were reported for January.
- Monthly PM's - emergency eyewash and shower inspections, fire extinguishers, and emergency lighting inspections completed.
- Monthly calibrations were performed on all MX4 & Max XT11 gas meters.
- On-going Covid-19 Pandemic awareness with daily review and as needed and keeping in contact with all onsite contractors regarding Hull and W&C covid-19 protocols.
- W&C's Pure Safety topic for January was hand & arm PPE.
- The monthly W&C SPARKS safety meeting was held on January 25 with a review of W&C's monthly "Lessons Learned!"
- W&C's monthly safety inspection checklist for the plant was completed.

6 STAFF DEVELOPMENT

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

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

- All staff completed W&C's monthly Pure Safety training and the plant's monthly safety meeting was held on January 25. Topics discussed were scaffolding, rigging & hoists, and reviewing the "near-miss" incidents occurring at all W&C projects in the November "Lessons Learned!"
- Regular, usually daily, operational updates and process control discussions, pump station operations, Dig Safes, and the HVAC construction project work scope ongoing at the plant. Daily safety briefings and Covid-19 protocol updates if necessary.

Staffing related items:

- Plant continued to have Sunday coverage supplemented with part-time staffer Roger Boltrushek in addition to Mike S, Luis B, Eric S, and Dave W.
- O&M Specialists Paul Horigan and Jody St George continue to assist as needed with plant O&M projects.

7 COLLECTION SYSTEM

A. WET WELL CLEANING

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

(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, 2022								
June, 2022	X			X				
July, 2022								
Aug., 2022								
Sept. 2022								
Oct., 2022								
Nov, 2022								
Dec., 2023								
Jan., 2023								
Feb., 2023								
March 2023								
April 2023								

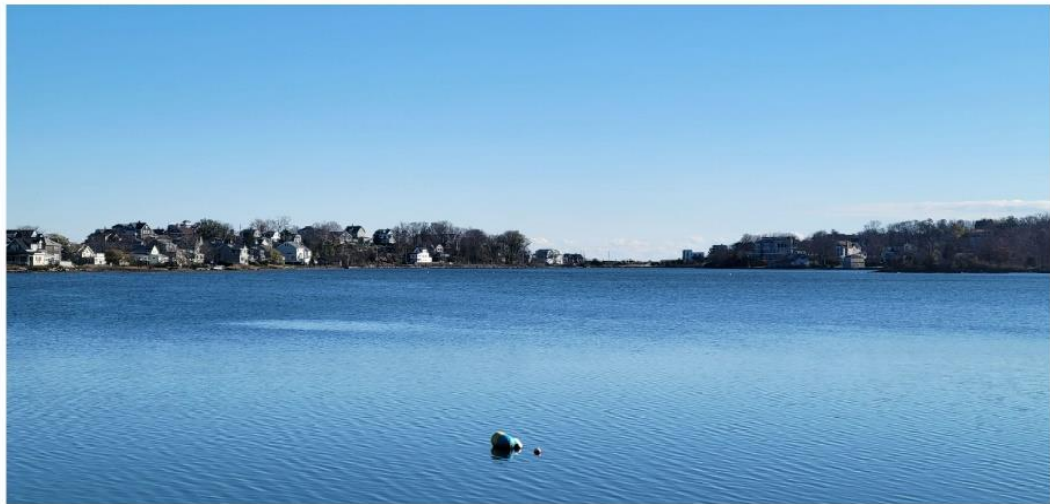
All pump stations except for Pump Station 3 and Station D have an aerator/mixer in the wet wells.

B. COLLECTION SYSTEM MAINTENANCE

Collection system work is being documented and tracked in Utility Cloud [UC] and a summarized report for September 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 September. Ongoing backup and blockage call outs requiring an increase in labor and time to support. Below summarizes W&C's efforts at the various call out locations.

- There was call for E-One Grinder pump service at 101 Rockaway Road – see UC summary.
- On January 26th, a resident at 46 D Street called thinking sewage was being discharged into the street and subsequently freezing. The issue was the neighbor's basement sump pump discharging.
- Pump station emergency generator testing consists of weekly no load runs and monthly loaded runs.
- All Pump station wet wells were inspected in January- monthly station inspections are completed and combined with the monthly station PM's.
- Upload new or updated tie-cards to the UC as required.
- Dig-Safe mark outs are completed throughout the Town of Hull as needed to assist and facilitate scheduled and emergency gas repairs, broken water mains, roadway paving projects, and other residential and town projects. All are listed in the UC summary.



8 PROJECT MANAGEMENT & ADMINISTRATION



A. ON-GOING PROJECTS AND SUPPORT ITEMS

October updates:

- Ongoing construction work continued in many areas of the operations building for the Phase 1 HVAC project. W&C staff work closely with the contractors- moving equipment & items as needed in the working areas to allow for the renovation work to continue. W&C staff check in with the general contractor supervisor daily and attend the monthly meeting with Tighe & Bond and all the project sub-contractors.
- Mike S. and APM Joe B. are meeting weekly with John S. and Brian K. to discuss the Sewer Department operations, any treatment plant issues, the collection system, and any upcoming projects.

Date	Asset ID	Asset Description	Asset Class
1/19/2023 10:14	01-005	0 MAIN ST	Hull Parcels
1/20/2023 11:58	04-018	11 WESTERN AVE	Hull Parcels
1/20/2023 11:57	06-055	127 SPRING ST	Hull Parcels
1/4/2023 10:59	101 Rockaway Ave	101 Rockaway Ave Grinder Pump	Hull Grinder Pumps
1/20/2023 11:56	12-010	12 BEACON RD	Hull Parcels
1/20/2023 11:55	12-035	2 BEACON RD	Hull Parcels
1/17/2023 14:17	17-070	65 C STREET	Hull Parcels
1/7/2023 12:24	18-006	40 C STREET	Hull Parcels
1/20/2023 11:51	18-104-A	3 PROSPECT AVE	Hull Parcels
1/30/2023 14:12	19 Wyola Rd	19 Wyola Rd Grinder Pump	Hull Grinder Pumps
1/26/2023 10:34	19-045	168 MANOMET AVE	Hull Parcels
1/20/2023 11:52	20-104	36 HALVORSEN AVE	Hull Parcels
1/26/2023 10:29	21-011	162 SAMOSET AVE	Hull Parcels
1/26/2023 10:24	23-086	6 WARREN STREET	Hull Parcels
1/26/2023 10:17	25-042	74 SAMOSET AVE	Hull Parcels
1/20/2023 11:48	25-119	52 A SAMOSET AVE	Hull Parcels
1/31/2023 14:35	25-130	53 SAMOSET AVE	Hull Parcels
1/26/2023 10:14	25-171	40 SAMOSET AVE	Hull Parcels
1/20/2023 11:50	26-155	135 KINGSLEY RD	Hull Parcels
1/26/2023 10:08	27-018	19 MANOMET AVE	Hull Parcels
1/10/2023 8:44	27-033	5 PHIPPS STREET	Hull Parcels
1/20/2023 11:43	29-056	59 WHITEHEAD AVE	Hull Parcels
1/20/2023 11:41	29-072	55 WHITEHEAD AVE	Hull Parcels
1/20/2023 11:47	29-134	59 MOUNTFORD RD	Hull Parcels
1/20/2023 11:45	32-058	82 CLIFTON AVE	Hull Parcels
1/10/2023 9:07	33-010	5 WATER STREET	Hull Parcels
1/24/2023 13:52	33-066	325 NANTASKET AVE	Hull Parcels
1/20/2023 11:37	34-079	16 PORRAZZO RD	Hull Parcels
1/23/2023 14:18	35-019	85 BAY STREET	Hull Parcels
1/23/2023 14:20	35-020	87 BAY STREET	Hull Parcels
1/20/2023 11:36	35-115	9 ROOSEVELT AVE	Hull Parcels
1/20/2023 11:29	36-080	3 STANDISH RD	Hull Parcels
1/12/2023 11:43	36-082	7 STANDISH RD	Hull Parcels
1/11/2023 14:32	36-174	71 HAMPTON CIRCLE	Hull Parcels
1/23/2023 14:21	51-078	8 MAPLE LANE	Hull Parcels
1/20/2023 11:39	54-022	20 SUMMIT AVE	Hull Parcels
1/24/2023 13:45	Bacteria UNIT #21	UNIT #21	Hull In Pipe Bacteria Unit
1/24/2023 13:48	Bacteria UNIT #22	UNIT #22	Hull In Pipe Bacteria Unit
1/24/2023 13:38	Bateria UNIT # 8	UNIT # 8	Hull In Pipe Bacteria Unit
1/24/2023 13:35	Bateria UNIT #1	UNIT #1	Hull In Pipe Bacteria Unit
1/24/2023 13:38	Bateria UNIT #10	UNIT #10	Hull In Pipe Bacteria Unit
1/24/2023 13:42	Bateria UNIT #11	UNIT #11	Hull In Pipe Bacteria Unit
1/24/2023 13:47	Bateria UNIT #12	UNIT #12	Hull In Pipe Bacteria Unit

1/24/2023 13:46 Bateria UNIT #13	UNIT #13	Hull In Pipe Bacteria Unit
1/24/2023 13:45 Bateria UNIT #14	UNIT #14	Hull In Pipe Bacteria Unit
1/24/2023 13:44 Bateria UNIT #15	UNIT #15	Hull In Pipe Bacteria Unit
1/24/2023 13:43 Bateria UNIT #16	UNIT #16	Hull In Pipe Bacteria Unit
1/24/2023 13:39 Bateria UNIT #17	UNIT #17	Hull In Pipe Bacteria Unit
1/24/2023 13:40 Bateria UNIT #18	UNIT #18	Hull In Pipe Bacteria Unit
1/24/2023 13:41 Bateria UNIT #19	UNIT #19	Hull In Pipe Bacteria Unit
1/24/2023 13:36 Bateria UNIT #2	UNIT #2	Hull In Pipe Bacteria Unit
1/24/2023 13:44 Bateria UNIT #20	UNIT #20	Hull In Pipe Bacteria Unit
1/24/2023 13:47 Bateria UNIT #23	UNIT #23	Hull In Pipe Bacteria Unit
1/24/2023 13:35 Bateria UNIT #24	UNIT #24	Hull In Pipe Bacteria Unit
1/24/2023 13:40 Bateria UNIT #3	UNIT #3	Hull In Pipe Bacteria Unit
1/24/2023 13:34 Bateria UNIT #4	UNIT #4	Hull In Pipe Bacteria Unit
1/24/2023 13:37 Bateria UNIT #5	UNIT #5	Hull In Pipe Bacteria Unit
1/24/2023 13:36 Bateria UNIT #6	UNIT #6	Hull In Pipe Bacteria Unit
1/24/2023 13:38 Bateria UNIT #7	UNIT #7	Hull In Pipe Bacteria Unit
1/24/2023 13:48 Bateria UNIT #9	UNIT #9	Hull In Pipe Bacteria Unit
1/30/2023 14:08 MH-20414	SEMS_Asset	Sanitary Manhole
1/10/2023 9:05 MH-20777	SEMS_Asset	Sanitary Manhole

[illegible]

Sutton, Eric	Hull - In Pipe Bacteria Units	View
Sutton, Eric	Hull - In Pipe Bacteria Units	View
Sutton, Eric	Hull - In Pipe Bacteria Units	View
Sutton, Eric	Hull - In Pipe Bacteria Units	View
Sutton, Eric	Hull - In Pipe Bacteria Units	View
Sutton, Eric	Hull - In Pipe Bacteria Units	View
Sutton, Eric	Hull - In Pipe Bacteria Units	View
Sutton, Eric	Hull - In Pipe Bacteria Units	View
Sutton, Eric	Hull - In Pipe Bacteria Units	View
Sutton, Eric	Hull - In Pipe Bacteria Units	View
Sutton, Eric	Hull - In Pipe Bacteria Units	View
Sutton, Eric	Hull - In Pipe Bacteria Units	View
Sutton, Eric	Hull - In Pipe Bacteria Units	View
Sutton, Eric	Hull - In Pipe Bacteria Units	View
Sutton, Eric	Hull - In Pipe Bacteria Units	View
Sutton, Eric	Hull - In Pipe Bacteria Units	View
Sutton, Eric	MH Frame & Cover Inspection	View
Sutton, Eric	Generic WO	View



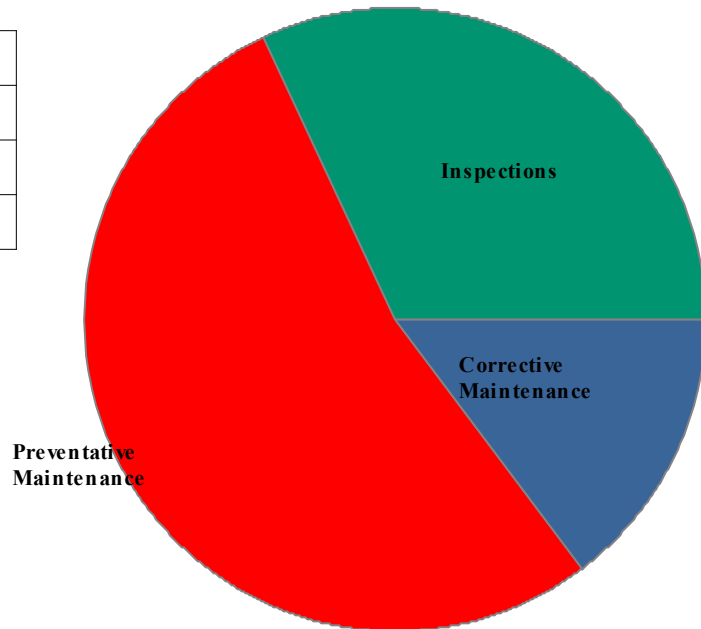
Maintenance History Report

Hull Wastewater

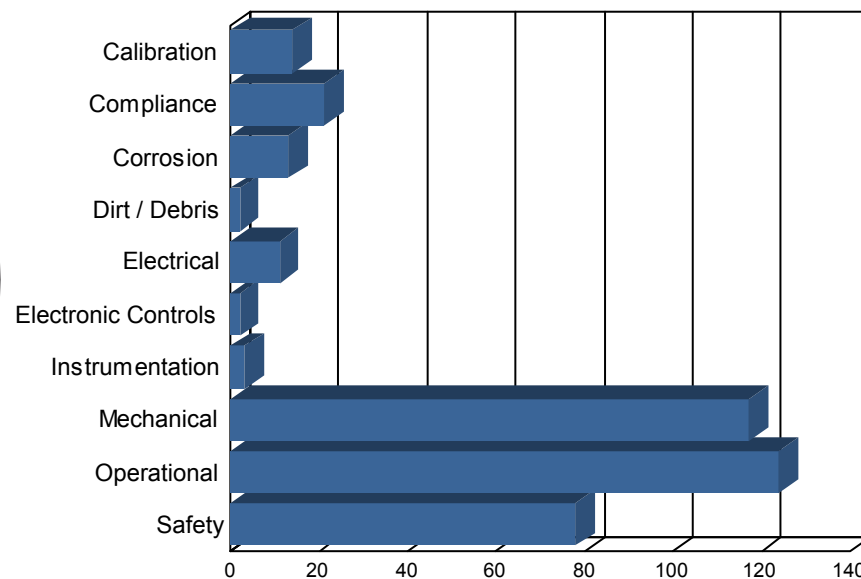
Start Date: 1/1/2023
End Date: 1/31/2023

Work Order History By Type

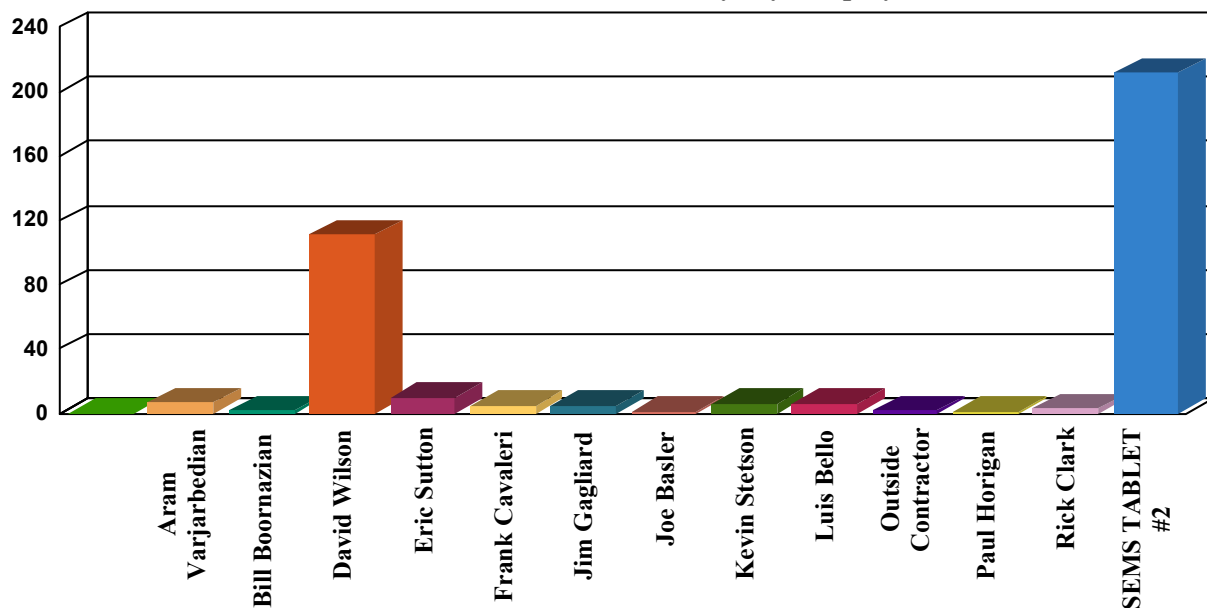
Corrective Maintenance	57
Inspections	123
Preventative Maintenance	205
Total Work Orders	385



Work Order History by Reason



Work Order History By Employee



Employee	WO Count	Labor Hours
Aram Varjarbedian	7	0
Bill Boornazian	2	0
David Wilson	111	15
Eric Sutton	10	1
Frank Cavaleri	5	0
Jim Gagliard	5	0
Joe Basler	1	0
Kevin Stetson	6	0
Luis Bello	6	0
Outside Contractor	2	1

Paul Horigan	1	1
Rick Clark	3	0
SEMS TABLET #2	212	0
Unassigned	14	1
Totals	385	19

Corrective Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/4/23	17244	Hypochlorite Pump 3	Plant water hypo pump failed.	Isolated pump. Pump head cracked. Found rotator wheels worn. Pump shaft showing wear. Installed new pump head assembly and returned to service. Cleaned up hypo from pump and containment area.	David Wilson	1/4/23	Completed
1/4/23	17245	Secondary Clarifier 1	Scum tank filled with water.	Isolated flow to tank. Hosed off scum beach for inspection. CSE into clarifier. Found rot hole on side of trough. Removed outboard skimmer head support plate. Cleaned and sealed hole with rtv and rubber gasket. Installed support plate. Returned to service.	David Wilson	1/5/23	Completed
1/5/23	17246	Plant water yard hydrants	Diagnose and repair failed yard hydrant.	Isolated hydrant and disassembled. Found operating rod rotted away. Brass bushing separated from bonnet and fell onto top of plunger. Replaced failed parts. Used easy out to remove broken pipe from bushing. Returned to service.	David Wilson	1/5/23	Completed
1/5/23	17247	PS 9 Pump 1	Diagnose low output	LOTO of equipment. Inspected check valve assembly. Cleanouts seized in place. Used pump 2 to flush pump 1. Increased pump outby 200gpm.	David Wilson	1/5/23	Completed
1/11/23	6171	Aeration Tank 1	Actuated gate between tank 1 & 3	High Voltage Electric diagnosed and repaired actuator. Motor replaced	Aram Varjarbedian	12/2/17	Completed
1/11/23	7958	Backflow Preventer - Primary	Leaks	Backflow preventor replaced by D&C.		9/11/18	Completed
1/11/23	1449	By-pass force main isolation valve 14"	Valve will not close	Bypass and valve removed by D&C construction.	Rick Clark	1/8/16	Completed
1/11/23	1955	Effluent Pump #3 discharge valve	Will not turn	Effluent pump 3 discharge isolation and check valve replaced.		3/29/16	Completed
1/11/23	15284	Effluent Pump 2	Eff pump #2 failure of Pump motor	Effluent pump 2 motor locked out. Submersible pump taken out of service for repair. Inspected rails and hardware. Installed new pump. High Voltage Electrical completed wiring.		1/5/22	Completed
1/11/23	161	Electrical System	To energize Panel for new grit conveyer	Grit conveyer replaced with Envirodyne grit classifier.		5/15/15	Completed
1/11/23	702	Electrical System	Effluent Pump VFD's	Effluent pump VFD's bypass function verified. Thermal and seal protection circuits added by Glenn Fellows and High Voltage Electrical.		10/2/15	Completed

Corrective Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/11/23	13824	Emergency Lighting & exit signs	Failed lighting	Glenn Fellows installe new LED Emergency lighting unit.	David Wilson	4/24/21	Completed
1/11/23	14455	Emergency Lighting & exit signs	Failed lights on emergency lighting unit.	Failed unit replaced by High Voltage Electrical.	David Wilson	8/4/21	Completed
1/11/23	7048	Electrical System	Unknown power issues occurred seen on power monitor trends. Contact Hull light	Hull light replaced failed power monitor.	Bill Boornazian	4/2/18	Completed
1/11/23	288	Eyewash Stations - Influent Pump Room	Eyewash Station in influent pump room needs "in use" alarm repaired	New emergency eyewash station installed. Alarm circuit tied into SCADA. Local alarm horn and light.		6/16/15	Completed
1/11/23	1072	Flood Barrier #1	Bottom stop/flood log on top - need to switch	Flood barrier updated to 1' tall by 8" width aluminum c channel beams sealed with 3/8" thick rubber gasket.	Kevin Stetson	11/3/15	Completed
1/11/23	4823	Flood Barrier #1	Need to refurbish sealant	Gaskets updated to 3/8" rubber. JS framed garage opening and covered with siding.	Frank Cavaleri	5/26/17	Completed
1/11/23	5158	Flood Barrier #3	Rust and corrosion	Flood barrier updated to aluminum planks with rubber seals. JS framed garage opening and installed siding.	Frank Cavaleri	7/6/17	Completed
1/11/23	7771	Flood Gate #4	Hole needs repair - and concrete	IPC Lydon made repairs to flood door. Concrete pad was repoured and sealed with headworks channel coating.	Frank Cavaleri	8/11/18	Completed
1/11/23	5423	Flood Gate #10	Door to effluent pump room ...	Inspected door seal contact to knife edge. Foam seal clearanced in tight spots to make complete seal. Upper frame gap filled in flashing caulk.		8/30/17	Completed
1/11/23	1953	Generator #2 - Backup Detroit 500	Unknown oil leak in sludge room	Fuel supply and return lines replaced with installation of Above ground Sorage Tank.	Aram Varjarbedian	3/26/16	Completed
1/11/23	15442	Generator #2 - Backup Detroit 500	Fuel oil leak while running.	Fuel hose leak corrected by South Shore Generator. Replaced hose and primed fuel line.	David Wilson	2/1/22	Completed
1/11/23	1919	Generator #2 - Backup Detroit 500	Leaking oil at manifold	Highland Power made repair to turbo and seals. Oil leak corrected but small amount of soot leaking by exhaust gasket.	Aram Varjarbedian	3/12/16	Completed
1/11/23	484	Gravity Thickener 1	H2S sensor power	Hydrogen Sulfide Sensor eliminated from Gravity Thickener.	Kevin Stetson	8/5/15	Completed
1/11/23	4822	H2S Meter thickener	For scrubber duct work. Meter not functional and compressor running hot. Need local on/off switch and in future install a better meter	Hydrogen Sulfide sensor uninstalled.	Aram Varjarbedian	5/26/17	Completed
1/11/23	246	Health & Safety	Reconnect wire to new conveyer	Envirodyne Grit Classifier put into service.		5/15/15	Completed
1/11/23	348	Hypo Pump Room	Containment integrity	Hypo tank failure. Temporary tank installed for rehab of hypo room. Containment area resealed and tested before installation of all new equipment.	Kevin Stetson	6/29/15	Completed
1/11/23	5583	Influent Pump 1	Vibration & Noise detected	Influent pump 1 mechanical failure. Pump sent out for new bearings and seals.	Jim Gagliard	9/7/17	Completed
1/11/23	6204	Influent Pump 1 Discharge Valve	Leakage occurring when valve closed	Exercised discharge isolation valve to clean seat. Verified function.	Aram Varjarbedian	12/13/17	Completed
1/11/23	160	Influent Pump 2 Discharge Valve	Valve wheel is partially boken	Hand wheel replaced and chain actuator replaced.		5/15/15	Completed
1/11/23	175	Influent Pump Room	Eyewash in scrubber area corroded	Emergency eyewash station replaced.	Kevin Stetson	5/19/15	Completed
1/11/23	7074	Influent Pump Room	Leaking floor drain in bad condition, rotting S trap.	Rotten trap and 4" DI pipe over Caustic storage tank. D&C replaced HVAC room floor drain and plumbing.	Bill Boornazian	4/17/18	Completed

Corrective Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/11/23	17248	30 - WW Treatment Plant - General	Replace insulation on sewer line from trailer.	Removed sewage soaked insulation from trailer. Installed new insulation. Wrapped with pvc drop cloth for waterproofing.	David Wilson	1/11/23	Completed
1/13/23	17249	Emergency Lighting & exit signs	Stair waer lower level emergency light fail the test.	While doing the usual tests that expecific unit fail to light up when I pushed the test botton.	Luis Bello	1/13/23	In Process
1/16/23	14317	30 - WW Treatment Plant - General	Sludge transfer room sump outlet damage	Recepticle replaced be High Voltage Electrical.	Eric Sutton	7/30/21	Completed
1/16/23	4033	30 - WW Treatment Plant - General	110 v recepticticals need to be rewired due to rotten and broken conduits,	Recepticle replaced by High Voltage Electrical.	Jim Gagliard	2/23/17	Completed
1/16/23	7931	30 - WW Treatment Plant - General	Tripping out, wont run	Lack of information to follow up for correction.		8/21/18	Completed
1/16/23	48	33 - WW Primary Treatment	Electric box	Not enough information to follow up for corrective maintenance	Jim Gagliard	5/4/15	Completed
1/16/23	5768	Aeration channel level transducer	Installed level transducer	Aeration Channel Level transducer tied in to SCADA by Steve Rose.	Jim Gagliard	10/12/17	Completed
1/16/23	245	Health & Safety	Check power to panel	Verified power to panel. Isolation verified by High Voltage Electric prior to removal.		5/15/15	Completed
1/16/23	401	HVAC System	Hvac Leaking in control room	Mini split Air Conditioning unit removed during HVAC upgrade.	Frank Cavaleri	7/21/15	Completed
1/16/23	1142	New sewer to PS3	Pipe to PS3 manhole needs camera inspection			11/22/15	Completed
1/16/23	17099	Plant water yard hydrants	Seconday # 1 hydrant		Eric Sutton	12/30/22	Completed
1/16/23	162	Primary Building	City water (back flow preventer)	new backflow preventer and water meter installed.	Kevin Stetson	5/15/15	Completed
1/16/23	367	Primary Clarifier 2	Distribution box valve	Primary Distribution Box isolation gates replaced for clarifiers 1 and 2.	Kevin Stetson	7/7/15	Completed
1/16/23	6	Primary Clarifier Influent D-Box	Primary distribution box evidence of overflow	flow to distribution box calculated for max flow with and with out primary clarifies on line. Large influent pump VFD's max frequency noted in SCADA to reflect potential SSO.	Frank Cavaleri	4/16/15	Completed
1/16/23	5392	Primary Clarifier Influent D-Box	Gate mount support to PC2 needs re-anchoring	Gate and all hardware replaced.	Aram Varjarbedian	8/18/17	Completed
1/16/23	2713	PS 1 Wet Well	Exposed rebar	Drywell inspected by structural engineer. Reccomendations used for correction of degraded concrete.	Jim Gagliard	6/29/16	Completed
1/16/23	7253	PS 3	Back up sump pump inoperable.	new sump pump installed	David Wilson	5/21/18	Completed
1/16/23	1442	PS 3 By-pass valve	Valve will not close	pump station bypass reworked. Valves are now located in grass near pump station door.	Rick Clark	1/7/16	Completed
1/16/23	3814	PS 3 Piping and Valves	Pump 1 discharge isolation valve won't fully close	New Orbinox gate valve installed for both pumps.	Aram Varjarbedian	1/13/17	Completed
1/16/23	548	PS 3 Pump 1	Pump 1 has a shaft seal leaking	pump 1 split seal rebuilt.	Rick Clark	8/24/15	Completed
1/17/23	17250	PS 9 Pump 1	Diagnose VFD fault.	While doing pump station ES found pump 1 not pumping. DW checked drive for fault. Intermittent drive fault Heat sink max temp. Cleared fault and tried to replicate.	David Wilson	1/17/23	Completed

Corrective Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/19/23	17251	PS 1 Building	Es Bk inspect 2nd level water damage in conduit	Es Bk on site Brain down on 2nd level to inspect conduit damage do to infiltration thru wall at force main pipe. Pipe is good, it's seepage thru wall. Some time in February a cement company will repair, leak. Bk took pics and video.	Eric Sutton	1/18/23	Completed
1/20/23	17252	Bisulfite System	Diagnose and repair pump failure.	Removed suction side from drum. Ran in prime to eliminate fluid from hoses. Turned off pump and isolated discharge. Removed cover from pump head. Rotating assembly broken. Tried to replace pump head but motor is stripped and spins freely both directions. Installed new injection point, fittings, hoses and pump assembly. Primed system and set to 18 per cent. No leaks. Washed work area.	David Wilson	1/20/23	Completed
1/20/23	17253	Sludge Storage Tank Loading Connection	Diagnose and repair gfi above sludge transfer valve.	High Voltage Electrical inspected circuit and found socket damage on both sides. Isolated and replaced sockets and returned to service.	Outside Contractor	1/20/23	Completed
1/22/23	17254	Bisulfite System	Hose leak from pump	Jt observed leak, shut pump off. Es called DW & JB face time with Dave able to put back together. JB arrived trouble shooted took apart hose valves. Feed check valve had no flow, cleaned all now operational		1/22/23	Completed

Inspections

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/5/23	16737	Truck 3 - 2015 Chevy 3500 HD	Monthly vehicle inspection on do-Forms		David Wilson	12/5/22	Completed
1/6/23	16914	Blower Room Exhaust Fan 1	Monthly operational inspection		David Wilson	1/1/23	Completed
1/6/23	16915	Blower Room Exhaust Fan 2	Monthly operational inspection		David Wilson	1/1/23	Completed
1/9/23	16890	Truck 3 - 2015 Chevy 3500 HD	Monthly vehicle inspection on do-Forms	Truck out of service. Radiator let go. In for service at Best Chevrolet. Replaced radiator and set fluid level. Upon further inspection technician recommended front pads and rotors. Recommendations authorized and completed.	David Wilson	1/2/23	Completed
1/11/23	16575	Aeration Electrical Control Manhole	Inspect Aeration Electrical Control Manhole		SEMS TABLET #2	11/1/22	Completed
1/11/23	16299	Backflow Preventer - Generator Room	Backflow Preventor Testing (Generator Room) - Semi Annual	Completed by outside contractor.	SEMS TABLET #2	10/12/22	Completed
1/11/23	16300	Backflow Preventer - HVAC Room Back Wall	Backflow Preventor Test (HVAC Room) - Semi Annual	Completed by outside contractor.	SEMS TABLET #2	10/12/22	Completed
1/11/23	16300	Backflow Preventer - HVAC Room Back Wall	Backflow Preventor Test (HVAC Room) - Semi Annual	Completed by outside contractor.	SEMS TABLET #2	10/12/22	Completed
1/11/23	13805	Blower Room Exhaust Fan 1	Monthly inspection	Inspected and greased pillow block bearings. Inspected and adjusted drive belt.	SEMS TABLET #2	6/1/21	Completed
1/11/23	13958	Blower Room Exhaust Fan 1	Monthly inspection	Inspected and greased pillow block bearings. Inspected and adjusted drive belt.	SEMS TABLET #2	7/1/21	Completed

Inspections

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/11/23	14304	Blower Room Exhaust Fan 1	Monthly inspection	Inspected and greased pillow block bearings. Inspected and adjusted drive belt.	SEMS TABLET #2	9/1/21	Completed
1/11/23	14145	Blower Room Exhaust Fan 1	Monthly inspection	Inspected and greased pillow block bearings. Inspected and adjusted drive belt.	SEMS TABLET #2	8/1/21	Completed
1/11/23	14450	Blower Room Exhaust Fan 1	Monthly inspection	Completed monthly inspection.	SEMS TABLET #2	10/1/21	Completed
1/11/23	14450	Blower Room Exhaust Fan 1	Monthly inspection	Completed monthly inspection.	SEMS TABLET #2	10/1/21	Completed
1/11/23	14617	Blower Room Exhaust Fan 1	Monthly inspection	Completed monthly inspection.	SEMS TABLET #2	11/1/21	Completed
1/11/23	14932	Blower Room Exhaust Fan 1	Monthly inspection	Completed monthly inspection.	SEMS TABLET #2	1/1/22	Completed
1/11/23	14767	Blower Room Exhaust Fan 1	Monthly inspection	Completed monthly inspection.	SEMS TABLET #2	12/1/21	Completed
1/11/23	15278	Blower Room Exhaust Fan 1	Monthly inspection	Completed monthly inspection.	SEMS TABLET #2	3/1/22	Completed
1/11/23	15108	Blower Room Exhaust Fan 1	Monthly inspection	Completed monthly inspection.	SEMS TABLET #2	2/1/22	Completed
1/11/23	15436	Blower Room Exhaust Fan 1	Monthly inspection	Completed monthly inspection.	SEMS TABLET #2	4/1/22	Completed
1/11/23	15596	Blower Room Exhaust Fan 1	Monthly inspection	Completed monthly inspection.	SEMS TABLET #2	5/1/22	Completed
1/11/23	15756	Blower Room Exhaust Fan 1	Monthly inspection	Completed monthly inspection.	SEMS TABLET #2	6/1/22	Completed
1/11/23	15913	Blower Room Exhaust Fan 1	Monthly inspection	Completed monthly inspection.	SEMS TABLET #2	7/1/22	Completed
1/11/23	16423	Blower Room Exhaust Fan 1	Monthly inspection	Completed monthly inspection.	SEMS TABLET #2	10/1/22	Completed
1/11/23	16251	Blower Room Exhaust Fan 1	Monthly inspection	Completed monthly inspection.	SEMS TABLET #2	9/1/22	Completed
1/11/23	16085	Blower Room Exhaust Fan 1	Monthly inspection	Completed monthly inspection.	SEMS TABLET #2	8/1/22	Completed
1/11/23	16757	Blower Room Exhaust Fan 1	Monthly inspection	Completed monthly inspection.	SEMS TABLET #2	12/1/22	Completed
1/11/23	16604	Blower Room Exhaust Fan 1	Monthly inspection	Completed monthly inspection.	SEMS TABLET #2	11/1/22	Completed
1/11/23	16637	Emergency Lighting & exit signs	Emergency Lighting Inspection - Monthly	LB completed monthly testing of emergency lighting system. No issues identified.	SEMS TABLET #2	12/14/22	Completed
1/11/23	14480	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	11/28/21	Completed
1/11/23	15625	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	6/5/22	Completed
1/11/23	15626	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	6/12/22	Completed
1/11/23	15627	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	6/19/22	Completed
1/11/23	15628	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	6/26/22	Completed
1/11/23	15628	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	6/26/22	Completed
1/11/23	15785	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	7/3/22	Completed
1/11/23	15786	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	7/10/22	Completed

Inspections

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/11/23	15787	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	7/17/22	Completed
1/11/23	15788	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	7/24/22	Completed
1/11/23	15789	Eyewash Stations	WWTF Eyewash Inspection - Weekly		SEMS TABLET #2	7/31/22	Completed
1/11/23	15933	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	8/7/22	Completed
1/11/23	15934	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	8/14/22	Completed
1/11/23	15935	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	8/21/22	Completed
1/11/23	15936	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	8/28/22	Completed
1/11/23	16123	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	9/4/22	Completed
1/11/23	16124	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	9/11/22	Completed
1/11/23	16125	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	9/18/22	Completed
1/11/23	16126	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	9/25/22	Completed
1/11/23	16282	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	10/2/22	Completed
1/11/23	16283	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	10/9/22	Completed
1/11/23	16284	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	10/16/22	Completed
1/11/23	16285	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Inspected and tested function of emergency eye wash stations.	SEMS TABLET #2	10/23/22	Completed
1/11/23	16286	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Completed weekly inspection of all emergency eyewash stations.	SEMS TABLET #2	10/30/22	Completed
1/11/23	16459	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Completed weekly inspection of all emergency eyewash stations.	SEMS TABLET #2	11/6/22	Completed
1/11/23	16460	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Completed weekly inspection of all emergency eyewash stations.	SEMS TABLET #2	11/13/22	Completed
1/11/23	16461	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Completed weekly inspection of all emergency eyewash stations.	SEMS TABLET #2	11/20/22	Completed
1/11/23	16633	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Completed weekly inspection of all emergency eyewash stations.	SEMS TABLET #2	12/4/22	Completed
1/11/23	16634	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Completed weekly inspection of all emergency eyewash stations.	SEMS TABLET #2	12/11/22	Completed
1/11/23	16462	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Completed weekly inspection of all emergency eyewash stations.	SEMS TABLET #2	11/27/22	Completed
1/11/23	16635	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Completed weekly inspection of all emergency eyewash stations.	SEMS TABLET #2	12/18/22	Completed
1/11/23	16636	Eyewash Stations	WWTF Eyewash Inspection - Weekly	Completed weekly inspection of all emergency eyewash stations.	SEMS TABLET #2	12/25/22	Completed
1/11/23	15713	Fire Extinguishers	WWTF Fire Extinguisher Inspections - Monthly	Completed all monthly fire extinguisher inspections.	SEMS TABLET #2	6/6/22	Completed

Inspections

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/11/23	15869	Fire Extinguishers	WWTF Fire Extinguisher Inspections - Monthly	Completed all monthly fire extinguisher inspections.	SEMS TABLET #2	7/4/22	Completed
1/11/23	16039	Fire Extinguishers	WWTF Fire Extinguisher Inspections - Monthly	Completed all monthly fire extinguisher inspections.	SEMS TABLET #2	8/1/22	Completed
1/11/23	16368	Fire Extinguishers	WWTF Fire Extinguisher Inspections - Monthly	Completed all monthly fire extinguisher inspections.	SEMS TABLET #2	10/3/22	Completed
1/11/23	16209	Fire Extinguishers	WWTF Fire Extinguisher Inspections - Monthly	Completed all monthly fire extinguisher inspections.	SEMS TABLET #2	9/5/22	Completed
1/11/23	16556	Fire Extinguishers	WWTF Fire Extinguisher Inspections - Monthly	Completed all monthly fire extinguisher inspections.	SEMS TABLET #2	11/7/22	Completed
1/11/23	16714	Fire Extinguishers	WWTF Fire Extinguisher Inspections - Monthly	Completed all monthly fire extinguisher inspections.	SEMS TABLET #2	12/5/22	Completed
1/11/23	16867	Fire Extinguishers	WWTF Fire Extinguisher Inspections - Monthly	Completed all monthly fire extinguisher inspections. Annual inspection completed by Plymouth Fire Extinguisher.	SEMS TABLET #2	1/2/23	Completed
1/11/23	16576	Gravity Thickener Electrical Power Manhole	Inspect Gravity Thickener Electrical Manhole	Inspected electrical manhole.	SEMS TABLET #2	11/1/22	Completed
1/11/23	5748	High level floats	High level floats functional inspection.	High level floats in all pump station drywells and wet wells functioning. High level floats at plant have redundant transducers for level indication and alarm.	Outside Contractor	10/9/17	Completed
1/11/23	16096	Main Office	Monthly Safety Inspection	Monthly safety inspection completed.	SEMS TABLET #2	6/3/22	Completed
1/11/23	16094	Main Office	Monthly Safety Inspection	Monthly safety inspection completed.	SEMS TABLET #2	7/1/22	Completed
1/11/23	16095	Main Office	Monthly Safety Inspection	Monthly safety inspection completed.	SEMS TABLET #2	8/1/22	Completed
1/11/23	16212	Main Office	Monthly Safety Inspection	Monthly safety inspection completed.	SEMS TABLET #2	9/1/22	Completed
1/11/23	16371	Main Office	Monthly Safety Inspection	Monthly safety inspection completed.	SEMS TABLET #2	10/1/22	Completed
1/11/23	16717	Main Office	Monthly Safety Inspection	Monthly safety inspection completed.	SEMS TABLET #2	12/1/22	Completed
1/11/23	16559	Main Office	Monthly Safety Inspection	Monthly safety inspection completed.	SEMS TABLET #2	11/1/22	Completed
1/13/23	16789	Emergency Lighting & exit signs	Emergency Lighting Inspection - Monthly		Luis Bello	1/11/23	Completed
1/16/23	11390	AST- Above Ground Storage tank for diesel fuel	Annual - AST inspection		SEMS TABLET #2	3/1/20	Completed
1/16/23	13476	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	4/1/21	Completed
1/16/23	13638	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	5/1/21	Completed
1/16/23	13795	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	6/1/21	Completed
1/16/23	14131	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	8/1/21	Completed
1/16/23	14292	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	9/1/21	Completed
1/16/23	14435	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	10/1/21	Completed
1/16/23	14755	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	12/1/21	Completed
1/16/23	14604	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	11/1/21	Completed

Inspections

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/16/23	14917	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	1/1/22	Completed
1/16/23	15583	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	5/1/22	Completed
1/16/23	15422	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	4/1/22	Completed
1/16/23	15265	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	3/1/22	Completed
1/16/23	15096	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	2/1/22	Completed
1/16/23	15744	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	6/1/22	Completed
1/16/23	15899	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	7/1/22	Completed
1/16/23	16071	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	8/1/22	Completed
1/16/23	16745	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	12/1/22	Completed
1/16/23	16592	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	11/1/22	Completed
1/16/23	16407	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	10/1/22	Completed
1/16/23	16239	AST- Above Ground Storage tank for diesel fuel	Monthly Inspections of Tanks		SEMS TABLET #2	9/1/22	Completed
1/16/23	14419	Primary Electrical Power Manhole	Inspect Primary Electrical Manhole		SEMS TABLET #2	10/5/21	Completed
1/16/23	16387	Primary Electrical Power Manhole	Inspect Primary Electrical Manhole		SEMS TABLET #2	10/4/22	Completed
1/16/23	14219	PS 1	PS #1 Inspection - Monthly		SEMS TABLET #2	9/2/21	Completed
1/16/23	15669	PS 1	PS #1 Inspection - Monthly		SEMS TABLET #2	6/2/22	Completed
1/16/23	15831	PS 1	PS #1 Inspection - Monthly		SEMS TABLET #2	7/7/22	Completed
1/16/23	15989	PS 1	PS #1 Inspection - Monthly		SEMS TABLET #2	8/4/22	Completed
1/16/23	16171	PS 1	PS #1 Inspection - Monthly		SEMS TABLET #2	9/1/22	Completed
1/16/23	16330	PS 1	PS #1 Inspection - Monthly		SEMS TABLET #2	10/6/22	Completed
1/16/23	16506	PS 1	PS #1 Inspection - Monthly		SEMS TABLET #2	11/3/22	Completed
1/16/23	16676	PS 1	PS #1 Inspection - Monthly		SEMS TABLET #2	12/1/22	Completed
1/16/23	15670	PS 3	PS #3 Inspection - Monthly		SEMS TABLET #2	6/2/22	Completed
1/16/23	16172	PS 3	PS #3 Inspection - Monthly		SEMS TABLET #2	9/1/22	Completed
1/16/23	15990	PS 3	PS #3 Inspection - Monthly		SEMS TABLET #2	8/4/22	Completed
1/16/23	15832	PS 3	PS #3 Inspection - Monthly		SEMS TABLET #2	7/7/22	Completed

Inspections

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/16/23	16677	PS 3	PS #3 Inspection - Monthly		SEMS TABLET #2	12/1/22	Completed
1/16/23	16507	PS 3	PS #3 Inspection - Monthly		SEMS TABLET #2	11/3/22	Completed
1/16/23	16331	PS 3	PS #3 Inspection - Monthly		SEMS TABLET #2	10/6/22	Completed
1/16/23	15671	PS 4	PS #4 Inspection - Monthly		SEMS TABLET #2	6/2/22	Completed
1/16/23	15833	PS 4	PS #4 Inspection - Monthly		SEMS TABLET #2	7/7/22	Completed
1/16/23	15993	PS 4	PS #4 Inspection - Monthly		SEMS TABLET #2	8/4/22	Completed
1/16/23	16173	PS 4	PS #4 Inspection - Monthly		SEMS TABLET #2	9/1/22	Completed
1/16/23	16332	PS 4	PS #4 Inspection - Monthly		SEMS TABLET #2	10/6/22	Completed
1/16/23	16510	PS 4	PS #4 Inspection - Monthly		SEMS TABLET #2	11/3/22	Completed

Preventative Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/3/23	16643	Generator #1- Emergency Kohler 750	Generator Weekly - Test Run no load		David Wilson	12/26/22	Completed
1/3/23	16640	Generator #2 - Backup Detroit 500	Generator Weekly - Test Run no load		David Wilson	12/26/22	Completed
1/3/23	16751	Generators "All Pump Station"	Generator Weekly - Test Run no load		David Wilson	12/26/22	Completed
1/3/23	16723	PS Kohler Trailer Mounted Generator	Generator Weekly - Test Run no load		David Wilson	12/26/22	Completed
1/5/23	16686	PS 1 Generator	PS #1 Generator Inspection and Test - Weekly		David Wilson	12/28/22	Completed
1/5/23	16692	PS 3 Generator	PS #3 Generator Inspection and Test - Weekly		David Wilson	12/28/22	Completed
1/5/23	16696	PS 4 Generator	PS #4 Generator Inspection and Test - Weekly		David Wilson	12/28/22	Completed
1/5/23	16702	PS 5 Generator	PS #5 Generator Inspection and Test - Weekly		David Wilson	12/28/22	Completed
1/5/23	16711	PS 6 Generator	PS #6 Generator Inspection and Test - Weekly		David Wilson	12/28/22	Completed
1/5/23	16707	PS 9 Generator	PS #9 Generator Inspection and Test - Weekly		David Wilson	12/28/22	Completed
1/5/23	16892	High level floats	Weekly High Float Alarm test		Luis Bello	1/1/23	Completed
1/5/23	16794	Generator #1- Emergency Kohler 750	Generator - Monthly Load Test		David Wilson	1/1/23	Completed
1/5/23	16902	Generators "All Pump Station"	Generator - Monthly Load Test		David Wilson	1/1/23	Completed
1/5/23	16873	PS Kohler Trailer Mounted Generator	Generator - Monthly Load Test		David Wilson	1/1/23	Completed
1/5/23	16650	Influent Sluice Isolation Gate	Weekly operate through full range	Opened to 100%. Closed to 0 and verified alarm. Set to 15% opened.	David Wilson	12/28/22	Completed
1/5/23	16906	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY		David Wilson	1/1/23	Completed

Preventative Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/5/23	16798	Influent Sluice Isolation Gate	Weekly operate through full range		David Wilson	1/4/23	Completed
1/6/23	16868	GasAlert Max XTII #1	4 gas meter calibration - monthly		David Wilson	1/1/23	Completed
1/6/23	16733	GasAlert Max XTII #2	monthly calibration		David Wilson	12/29/22	Completed
1/6/23	16724	Ventis MX4 #2 - 4 Gas	4 Gas Meter #2 Calibration - Monthly		David Wilson	12/29/22	Completed
1/6/23	16725	Ventis MX4 #3 - 4 Gas	4 Gas Meter #3 Calibration - Monthly		David Wilson	12/29/22	Completed
1/6/23	16726	Ventis MX4 #4 - 4 Gas	4 Gas Meter #4 Calibration - Monthly		David Wilson	12/29/22	Completed
1/6/23	16727	Ventis MX4 #5 - 4 Gas	4 Gas Meter #5 Calibration - Monthly		David Wilson	12/29/22	Completed
1/6/23	16728	Ventis MX4 #6 - 4 Gas	4 Gas Meter #6 Calibration - Monthly		David Wilson	12/29/22	Completed
1/6/23	16658	Aeration Blower 2	Aeration Blower #2 Air Filter Inspection - Monthly		David Wilson	12/22/22	Completed
1/6/23	16657	Aeration Blower 1	Aeration Blower #1 Air Filter Inspection - monthly		David Wilson	12/27/22	Completed
1/6/23	16663	Wet Scrubber Fan	Scrubber Exhaust Fan PM - Monthly		David Wilson	12/14/22	Completed
1/6/23	16580	Chlorine probe AT1	Weekly calibration		David Wilson	11/7/22	Completed
1/6/23	16581	Chlorine probe AT1	Weekly calibration		David Wilson	11/21/22	Completed
1/6/23	16736	Chlorine probe AT1	Change electrolyte		David Wilson	12/1/22	Completed
1/6/23	16734	Chlorine probe AT1	Weekly calibration		David Wilson	12/5/22	Completed
1/6/23	16735	Chlorine probe AT1	Weekly calibration		David Wilson	12/19/22	Completed
1/6/23	16836	PS 1 Generator	PS #1 Generator Inspection and Load Test - Monthly		David Wilson	1/4/23	Completed
1/6/23	16837	PS 1 Generator	PS #1 Generator Inspection and Test - Weekly		David Wilson	1/4/23	Completed
1/6/23	16845	PS 3 Generator	PS #3 Generator Inspection and Load Test - Monthly		David Wilson	1/4/23	Completed
1/6/23	16841	PS 3 Generator	PS #3 Generator Inspection and Test - Weekly		David Wilson	1/4/23	Completed
1/6/23	16846	PS 4 Generator	PS #4 Generator Inspection and Load Test - Monthly		David Wilson	1/4/23	Completed
1/6/23	16847	PS 4 Generator	PS #4 Generator Inspection and Test - Weekly		David Wilson	1/4/23	Completed
1/6/23	16851	PS 5 Generator	PS #5 Generator Inspection and Test - Weekly		David Wilson	1/4/23	Completed
1/6/23	16855	PS 5 Generator	PS #5 Generator Inspection and Load Test - Monthly		David Wilson	1/4/23	Completed
1/6/23	16865	PS 6 Generator	PS #5 Generator Inspection and Load Test - Monthly		David Wilson	1/4/23	Completed
1/6/23	16856	PS 9 Generator	PS #9 Generator Inspection and Load Test - Monthly		David Wilson	1/4/23	Completed
1/6/23	16861	PS 6 Generator	PS #6 Generator Inspection and Test - Weekly		David Wilson	1/4/23	Completed
1/6/23	16857	PS 9 Generator	PS #9 Generator Inspection and Test - Weekly		David Wilson	1/4/23	Completed

Preventative Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/9/23	16802	Mechanical Screen & Washpress System	Monthly Maintenance		David Wilson	1/2/23	Completed
1/10/23	16783	Portable Generator - Honda	Portable Generator Inspection - Monthly	Checked fluid levels and brought up to operating temperature. Shut off fuel and cleared float bowl.	David Wilson	1/4/23	Completed
1/10/23	16815	Aeration Tank 1 Oxygen Probe	AT #1 DO Probe Clean and Calibrate - Monthly	Cleaned and inspected LDO probe. Tested calibration against YSI probe. +2 mg/l offset.	David Wilson	1/3/23	Completed
1/10/23	16816	Aeration Tank 3 Oxygen Probe	AT #3 DO Probe Clean and Calibrate - Monthly	Cleaned and inspected LDO probe. Tested calibration against YSI probe. -1.9 mg/l	David Wilson	1/3/23	Completed
1/11/23	11133	Aeration Blower 1	Aeration Blower #1 Oil Analysis - Semi Annual	Replaced oil. Analysis declined due to age of equipment.	SEMS TABLET #2	2/25/20	Completed
1/11/23	14027	Aeration Blower 1	Aeration Blower #1 Oil Analysis - Semi Annual	Replaced oil. Analysis declined due to age of equipment.	SEMS TABLET #2	8/24/21	Completed
1/11/23	15960	Aeration Blower 1	Aeration Blower #1 Oil Analysis - Semi Annual	Replaced oil. Analysis declined due to age of equipment.	SEMS TABLET #2	8/23/22	Completed
1/11/23	14028	Aeration Blower 2	Aeration Blower #2 Oil Change - Semi Annual	Replaced oil with Royal Purple Synfilm GT 46.	SEMS TABLET #2	8/24/21	Completed
1/11/23	16814	Aeration Blower 2	Aeration Blower #2 Air Filter Inspection - Monthly		SEMS TABLET #2	1/26/23	Completed
1/11/23	16815	Aeration Tank 1 Oxygen Probe	AT #1 DO Probe Clean and Calibrate - Monthly		SEMS TABLET #2	1/3/23	Completed
1/11/23	16816	Aeration Tank 3 Oxygen Probe	AT #3 DO Probe Clean and Calibrate - Monthly		SEMS TABLET #2	1/3/23	Completed
1/11/23	13830	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	6/1/21	Completed
1/11/23	13962	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	7/1/21	Completed
1/11/23	14149	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	8/1/21	Completed
1/11/23	14454	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	10/1/21	Completed
1/11/23	14308	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	9/1/21	Completed
1/11/23	14936	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	1/1/22	Completed
1/11/23	14771	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	12/1/21	Completed
1/11/23	14621	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	11/1/21	Completed
1/11/23	15282	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	3/1/22	Completed
1/11/23	15112	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	2/1/22	Completed
1/11/23	15440	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	4/1/22	Completed
1/11/23	15600	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	5/1/22	Completed
1/11/23	15760	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	6/1/22	Completed
1/11/23	16089	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	8/1/22	Completed

Preventative Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/11/23	15917	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	7/1/22	Completed
1/11/23	16255	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	9/1/22	Completed
1/11/23	16608	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	11/1/22	Completed
1/11/23	16427	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	10/1/22	Completed
1/11/23	13828	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace		SEMS TABLET #2	6/1/21	Completed
1/11/23	13961	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace		SEMS TABLET #2	7/1/21	Completed
1/11/23	16761	ATI Wet Hydrogen Sulfide Monitor Exhaust	System Maintenance		SEMS TABLET #2	12/1/22	Completed
1/11/23	14148	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace		SEMS TABLET #2	8/1/21	Completed
1/11/23	14307	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace		SEMS TABLET #2	9/1/21	Completed
1/11/23	14453	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace		SEMS TABLET #2	10/1/21	Completed
1/11/23	14620	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace		SEMS TABLET #2	11/1/21	Completed
1/11/23	14770	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace		SEMS TABLET #2	12/1/21	Completed
1/11/23	14935	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace		SEMS TABLET #2	1/1/22	Completed
1/11/23	15111	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace		SEMS TABLET #2	2/1/22	Completed
1/11/23	15281	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace	Calibration completed.	SEMS TABLET #2	3/1/22	Completed
1/11/23	15439	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace	Calibration completed.	SEMS TABLET #2	4/1/22	Completed
1/11/23	15599	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace	Calibration completed.	SEMS TABLET #2	5/1/22	Completed
1/11/23	15916	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace	Calibration completed.	SEMS TABLET #2	7/1/22	Completed
1/11/23	15759	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace	Calibration completed.	SEMS TABLET #2	6/1/22	Completed
1/11/23	15916	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace	Calibration completed.	SEMS TABLET #2	7/1/22	Completed
1/11/23	16088	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace	Calibration completed.	SEMS TABLET #2	8/1/22	Completed
1/11/23	16254	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace	Calibration completed.	SEMS TABLET #2	9/1/22	Completed
1/11/23	16426	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace	Calibration completed.	SEMS TABLET #2	10/1/22	Completed
1/11/23	16607	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace	Calibration completed.	SEMS TABLET #2	11/1/22	Completed
1/11/23	16760	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace		SEMS TABLET #2	12/1/22	Completed

Preventative Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/11/23	16916	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace		SEMS TABLET #2	1/1/23	Completed
1/11/23	17077	ATI Wet Hydrogen Sulfide Monitor Intake	System maintenace	Calibration completed.	SEMS TABLET #2	2/1/23	Completed
1/11/23	13625	Chlorine probe ATI	Weekly calibration	Completed weekly calibraton.	SEMS TABLET #2	5/24/21	Completed
1/11/23	16646	Fixed Gas Monitoring System	Quarterly Calibration Headworks room gas meters	Completed quarterly calibration of fixed gas monitoring system. Oxygen sensor failed. Pond Technical contacted for replacement. Part on back order. Possibly updating system to MSA.	SEMS TABLET #2	12/7/22	Completed
1/11/23	13949	Generators "All Pump Station"	Generator Weekly - Test Run no load	All fluid levels checked. Completed weekly No Load generator runs.	SEMS TABLET #2	7/19/21	Completed
1/11/23	13605	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	5/5/21	Completed
1/11/23	13767	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	6/2/21	Completed
1/11/23	13919	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	7/7/21	Completed
1/11/23	14102	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	8/4/21	Completed
1/11/23	14266	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	9/1/21	Completed
1/11/23	14405	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	10/6/21	Completed
1/11/23	14571	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	11/3/21	Completed
1/11/23	14728	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	12/1/21	Completed
1/11/23	14888	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	1/5/22	Completed
1/11/23	15069	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	2/2/22	Completed
1/11/23	15239	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	3/2/22	Completed
1/11/23	15390	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	4/6/22	Completed

Preventative Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/11/23	15551	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	5/4/22	Completed
1/11/23	15716	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	6/1/22	Completed
1/11/23	15872	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	7/6/22	Completed
1/11/23	16042	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	8/3/22	Completed
1/11/23	16213	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	9/7/22	Completed
1/11/23	16372	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	10/5/22	Completed
1/11/23	16718	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	12/7/22	Completed
1/11/23	16560	GODWIN Portable Pump	Test Run Godwin Pump-Monthly	Completed monthly Godwin pump motor function. Inspected all fluids and brought up to operating temperature. No issues.	SEMS TABLET #2	11/2/22	Completed
1/11/23	16471	Grit Screw Drive	Grit Screw Drive PM - Quarterly	Grit screw removed from aerated grit chamber. Through hole sealed. No leaks.	SEMS TABLET #2	11/4/22	Completed
1/11/23	16654	Influent Pump 3	Monthly Check Pump Couplings	LOTO of VFD for Influent pump 3. Completed monthly hub and coupling inspection.	SEMS TABLET #2	12/7/22	Completed
1/11/23	16655	Influent Pump 4	Monthly Check Pump Couplings	LOTO of VFD for Influent pump 4. Completed monthly inspection of hub and coupling.	SEMS TABLET #2	12/7/22	Completed
1/12/23	16838	PS 1 Generator	PS #1 Generator Inspection and Test - Weekly		David Wilson	1/11/23	Completed
1/12/23	16842	PS 3 Generator	PS #3 Generator Inspection and Test - Weekly		David Wilson	1/11/23	Completed
1/12/23	16848	PS 4 Generator	PS #4 Generator Inspection and Test - Weekly		David Wilson	1/11/23	Completed
1/12/23	16862	PS 6 Generator	PS #6 Generator Inspection and Test - Weekly		David Wilson	1/11/23	Completed
1/12/23	16852	PS 5 Generator	PS #5 Generator Inspection and Test - Weekly		David Wilson	1/11/23	Completed
1/12/23	16858	PS 9 Generator	PS #9 Generator Inspection and Test - Weekly		David Wilson	1/11/23	Completed
1/12/23	16900	pH meter	Clean and Calibrate	Cleaned and inspected pH probe for odor control system.	David Wilson	1/1/23	Completed
1/12/23	16901	ORP meter	Clean and Calibrate	Cleaned and inspected ORP sensor. Tested calibration.	David Wilson	1/10/23	Completed
1/12/23	16808	Influent Pump 3	Semi Annual - ARI air release valve insp and cleaning	Cleaned, inspected and tested ARI auto air release.	David Wilson	1/4/23	Completed
1/12/23	16809	Influent Pump 4	Semi Annual - ARI air release valve insp and cleaning	Cleaned, inspected and tested ARI auto air release.	David Wilson	1/4/23	Completed

Preventative Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/12/23	16812	Influent Pump 5	Semi Annual - ARI air release valve insp and cleaning	Cleaned, inspected and tested ARI auto air release.	David Wilson	1/4/23	Completed
1/13/23	16893	High level floats	Weekly High Float Alarm test		Luis Bello	1/8/23	Completed
1/13/23	16907	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY		Luis Bello	1/8/23	Completed
1/13/23	16799	Influent Sluice Isolation Gate	Weekly operate through full range		Luis Bello	1/11/23	Completed
1/13/23	16803	Influent Pump 1	Monthly Check Pump Couplings		David Wilson	1/4/23	Completed
1/13/23	16804	Influent Pump 1	Semi Annual - ARI air release valve insp and cleaning		David Wilson	1/4/23	Completed
1/13/23	16805	Influent Pump 2	Semi Annual - ARI air release valve insp and cleaning		David Wilson	1/4/23	Completed
1/13/23	16806	Influent Pump 2	Monthly Check Pump Couplings		David Wilson	1/4/23	Completed
1/13/23	16807	Influent Pump 3	Monthly Check Pump Couplings		David Wilson	1/4/23	Completed
1/13/23	16810	Influent Pump 4	Monthly Check Pump Couplings		David Wilson	1/4/23	Completed
1/13/23	16811	Influent Pump 5	Monthly Check Pump Couplings		David Wilson	1/4/23	Completed
1/13/23	16825	Primary Sludge Pump 1	Monthly Check Pump Couplings		David Wilson	1/4/23	Completed
1/13/23	16826	Primary Sludge Pump 2	Monthly Check Pump Couplings		David Wilson	1/4/23	Completed
1/13/23	16654	Influent Pump 3	Monthly Check Pump Couplings		David Wilson	12/7/22	Completed
1/13/23	16655	Influent Pump 4	Monthly Check Pump Couplings		David Wilson	12/7/22	Completed
1/13/23	16656	Influent Pump 5	Monthly Check Pump Couplings		David Wilson	12/7/22	Completed
1/16/23	13979	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	6/1/21	Completed
1/16/23	13980	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	7/1/21	Completed
1/16/23	14290	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	9/1/21	Completed
1/16/23	14129	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	8/1/21	Completed
1/16/23	14433	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	10/1/21	Completed
1/16/23	14602	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	11/1/21	Completed
1/16/23	14753	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	12/1/21	Completed
1/16/23	14915	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	1/1/22	Completed
1/16/23	15094	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	2/1/22	Completed
1/16/23	15263	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	3/1/22	Completed

Preventative Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/16/23	15420	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	4/1/22	Completed
1/16/23	15581	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	5/1/22	Completed
1/16/23	15897	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	7/1/22	Completed
1/16/23	15741	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	6/1/22	Completed
1/16/23	16405	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	10/1/22	Completed
1/16/23	16237	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	9/1/22	Completed
1/16/23	16069	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	8/1/22	Completed
1/16/23	16897	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	1/1/23	Completed
1/16/23	16590	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	11/1/22	Completed
1/16/23	16743	Meters - 4 Gas Confined Space #2	4 gas meter calibration - monthly		SEMS TABLET #2	12/1/22	Completed
1/16/23	15547	Plant Water Pump 2	Monthly Check Pump Couplings			5/4/22	Completed
1/16/23	14000	Portable Generator - Honda	Portable Generator Inspection - Monthly		SEMS TABLET #2	8/4/21	Completed
1/19/23	16871	GODWIN Portable Pump	Test Run Godwin Pump-Monthly		Paul Horigan	1/4/23	Completed
1/19/23	16908	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY		David Wilson	1/15/23	Completed
1/19/23	16795	Generator #1- Emergency Kohler 750	Generator Weekly - Test Run no load		David Wilson	1/16/23	Completed
1/19/23	16791	Generator #2 - Backup Detroit 500	Generator Weekly - Test Run no load		David Wilson	1/16/23	Completed
1/19/23	16903	Generators "All Pump Station"	Generator Weekly - Test Run no load		David Wilson	1/16/23	Completed
1/19/23	16874	PS Kohler Trailer Mounted Generator	Generator Weekly - Test Run no load		David Wilson	1/16/23	Completed
1/19/23	16894	High level floats	Weekly High Float Alarm test		David Wilson	1/15/23	Completed
1/19/23	16822	RAS Pump 3	Monthly Check Pump Couplings	Coupling showing wear. Minimal play but excessive dust and splitting.	David Wilson	1/4/23	Completed
1/19/23	16821	RAS Pump 2	Monthly Check Pump Couplings		David Wilson	1/4/23	Completed
1/19/23	16820	RAS Pump 1	Monthly Check Pump Couplings		David Wilson	1/4/23	Completed
1/21/23	16886	Chlorine probe AT1	Weekly calibration		Joe Basler	1/2/23	Completed
1/23/23	16817	Effluent Pumps	Effluent Pump - Monthly	Inspected all effluent pump flows and rail hardware. No unusual noises or vibrations.	David Wilson	1/15/23	Completed
1/23/23	16839	PS 1 Generator	PS #1 Generator Inspection and Test - Weekly		Eric Sutton	1/18/23	Completed
1/23/23	16843	PS 3 Generator	PS #3 Generator Inspection and Test - Weekly		Eric Sutton	1/18/23	Completed

Preventative Maintenance

Status Date	WO #	Asset Name	Work Description	Work History Note	Employee	Schedule Date	Status
1/23/23	16849	PS 4 Generator	PS #4 Generator Inspection and Test - Weekly		Eric Sutton	1/18/23	Completed
1/23/23	16853	PS 5 Generator	PS #5 Generator Inspection and Test - Weekly		Eric Sutton	1/18/23	Completed
1/23/23	16859	PS 9 Generator	PS #9 Generator Inspection and Test - Weekly		Eric Sutton	1/18/23	Completed
1/23/23	16863	PS 6 Generator	PS #6 Generator Inspection and Test - Weekly		David Wilson	1/18/23	Completed
1/25/23	16796	Generator #1- Emergency Kohler 750	Generator Weekly - Test Run no load		David Wilson	1/23/23	Completed
1/25/23	16904	Generators "All Pump Station"	Generator Weekly - Test Run no load		David Wilson	1/23/23	Completed
1/25/23	16840	PS 1 Generator	PS #1 Generator Inspection and Test - Weekly		Eric Sutton	1/25/23	Completed
1/25/23	16844	PS 3 Generator	PS #3 Generator Inspection and Test - Weekly		Eric Sutton	1/25/23	Completed
1/25/23	16850	PS 4 Generator	PS #4 Generator Inspection and Test - Weekly		David Wilson	1/25/23	Completed
1/25/23	16860	PS 9 Generator	PS #9 Generator Inspection and Test - Weekly		David Wilson	1/25/23	Completed
1/25/23	16864	PS 6 Generator	PS #6 Generator Inspection and Test - Weekly		David Wilson	1/25/23	Completed
1/25/23	16854	PS 5 Generator	PS #5 Generator Inspection and Test - Weekly		David Wilson	1/25/23	Completed
1/25/23	16800	Influent Sluice Isolation Gate	Weekly operate through full range		David Wilson	1/18/23	Completed
1/25/23	16823	RST Feed Pump 1	Monthly Check Pump Couplings		David Wilson	1/4/23	Completed
1/25/23	16792	Generator #2 - Backup Detroit 500	Generator Weekly - Test Run no load		David Wilson	1/23/23	Completed
1/25/23	16824	RST Feed Pump 2	Monthly Check Pump Couplings		David Wilson	1/4/23	Completed
1/25/23	16827	Sludge Transfer Pump 1	Monthly Check Pump Couplings		David Wilson	1/4/23	Completed
1/25/23	16828	Sludge Transfer Pump 2	Monthly Check Pump Couplings		David Wilson	1/4/23	Completed
1/27/23	16895	High level floats	Weekly High Float Alarm test		David Wilson	1/22/23	Completed
1/27/23	16909	All Plant Gear box reducers	GEAR BOX MAINT - WEEKLY		David Wilson	1/22/23	Completed
1/27/23	16801	Influent Sluice Isolation Gate	Weekly operate through full range		David Wilson	1/25/23	Completed

Asset Management Accounts - Year 8							
	FOR M.O.R. JANUARY 2023	Actual to date			Projected for Final Estimate		
Account		Budgeted Amount	Spent to Date	Delta	Projected costs and incl PO's	Final est	Delta
08M-101A	Preventive Maint	\$227,514.68	\$89,071.93	\$138,442.75	\$27,100.00	\$116,171.93	\$111,342.75
08M-102B	Capital and Major Repairs	\$140,000.00	\$167,849.80	(\$27,849.80)	\$54,237.00	\$222,086.80	(\$82,086.80)
08M-103A	Major Sub Contractors	\$192,737.48	\$179,221.42	\$13,516.06	\$44,000.00	\$223,221.42	(\$30,483.94)
blank							
	Asset Management	\$560,252.16	\$436,143.15	\$124,109.01	\$125,337.00	\$561,480.15	(\$1,227.99)

\$124,109.01

Budget expended	Time Status	
	NOW=	3/6/2023
	Start	5/1/2020
39.1%	284.8%	245.7%
119.9%	284.8%	164.9%
93.0%	284.8%	191.8%
77.8%	284.8%	207.0%

08S	D Street	\$7,500.00	\$8,391.00	(\$891.00)	\$0.00	\$8,391.00	(\$891.00)
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111.9%	284.8%	172.9%
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08C	Odor Control Chemicals	\$100,000.00	\$131,788.00	(\$31,788.00)	\$0.00	\$131,788.00	(\$31,788.00)
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131.8%	284.8%	153.0%
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Estimated total remaining 08M, 08C (\$33,015.99)

Hull 2022-2023 - 08M Projects, Tasks, and Needs - (AV)								
Maintenance Account - Year 8 - 05_01_22 to 04_30_23								
FOR January 2023 M.O.R.					\$125,337.00			3/6/2023 14:00
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	\$10,000.00			Placeholder for Jody St. George, Paul Horigan & WC Support Staff - Total budget \$25,000; adjust 8/30; adjust budget 9/20.Adjust budget 11/28; adjust budget 12/19 by 2K.
1	Pump and Motor Repairs/Replacements [invoiced and pcard]	On Going		101A				to keep existing equipment running - utilize various outside contractor repair shops, new purchases. orig budget \$20,000; adj 8/30; adj 9/26; adj 11/28 to \$9,000; Reduce budget to ZERO [PS4 rebuilt assy]
1	Lubricants	On Going		101A				Various Suppliers for oil and grease. Budgeted \$2000. Cut placeholder \$\$ to \$900; Adjust to zero 1/3/23
1	Generator Prev. Maintenance and Repairs	On Going		101A	\$10,000.00			Orig budget \$20,000. General PM and CM Repair Work - Placeholder - New PO needs to be issued; reduce by minor PM costs/invoices paid 11/28 - reduce by \$3,500. Adj placeholder down to \$10,000 [12/19].
1	Fire Alarm Inspections and Service	On Going		101A				Semi Annual - Hart Security [October & April , central station, & Service]budget \$3000. Semi-annual services completed in mid April. Adj 8/30; Oct Service completed. Adjust budget down to ZERO.
2	Universal waste disposal	completed		101A				Placeholder - \$500 - Unlikely to be used in year 8. Will use these funds for electronic waste disposal. Completed Dec 2023
1	Service the Forklift	completed		101A		\$231.00		Placeholder \$400 - Annual cost - outside vendor. Completed June 2022
1	Overhead Hoist Inspection & repairs	completed		101A		\$1,666.52		Annual task - Applied Dynamics - Inspection Work - May 2022 \$1500 plus some corrective actions, \$1500 left to do for repairs [completed Aug 2022];
1	Flow meter verification and calibration	completed		101A		\$1,175.00		Placeholder - Annual - Ray Ferland or other 1 visit annually - Targeting June 2022. Vendor needs to be contacted. Early Nov targeted date. Nov. Service completed.
1	Facility Building - Roof Inspection	completed		101A		\$2,800.00		\$2800 Annual Placeholder - Established contract with Tecta America. Completed May 2022
2	Jerome H2S Meter Inspection	Pending		101A	\$1,100.00			Placeholder if meter is sent out for calibration - \$1,100; Update Sept 2022 - meter evaluation needed and if new meter should be considered.
1	Janitorial Supplies	On Going		101A				Orig budget \$3,000 - Estimated annual expenditures - adjust 8/30; Adjust 10/31. Adjust to zero 1/3/23
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 \$20,000, adjust tdown as year progresses; adj 8/30; adjust in Sept to 5,000. Adjust 11/28 to \$3,000; Adjust t zero on 1/3/23
1	Thompson Pump repairs 6TS-244 [6A]	completed		101A				Rotating assembly failure - bearings, shft, mech seal parts & labor. Est labor \$6500. Seacoast repair. All bills to post by end of September
2	Large Hoses & fittings	On Going		101A				Orig budget \$3,000. Replacements and/or Service - On-Going - As Needed; adj budget Sept. NIR and Wolf Creek. ZERO out the budget 12/19/22
1	hypo room access/entry door	Pending		102B	\$10,737.00			D&C Quoted - waiting for updated quote with FRP door - Estimate \$6,500; updated estimate, confirmed with email to D&C & HSD approval.
3	Misc. Materials	on Going		101A				Hardware Store - \$200.00 per month - reoccurring expense; budget \$2,400; Adjust 8/30; Adj 9/20; adj 11/28. Adjust to zero 1/3/23
	New Hach Spec Meter for chlorine	completed		101A				replace older/failing unit [DR700]; new unit purchased May 2022
1	Lab Equip Calibration	completed		101A				Annual service \$640

Hull 2022-2023 - 08M Projects, Tasks, and Needs - (AV)								
Maintenance Account - Year 8 - 05_01_22 to 04_30_23								
FOR January 2023 M.O.R.					\$125,337.00			3/6/2023 14:00
Priority [1=high]	Description	Status	completed	Task	Estimates & funds remaining	Final Completed Cost	Lead	Comments
1	RAS pumps - spare impeller	On Going		101A	\$3,000.00			4-6 week lead time ARO. Ordered July 2022; Waiting for updated delivery date. Confirmed Nov 2022 piece is being made.
	Duperon Service Call	completed		101A		\$2,500.00		Service done - September 2022. Recommendations made.
2	6" plug valves [4]	completed		101A		\$3,713.40		RAS pump #3 discharge & other. Pratt plug valves -Qty 4. ordered May 2022; received Aug 2022. GT1 outlet valve repaired and install flush connection. Difficult to remove due to limited access.
1	Duperon Service Call - Additional needs	completed		102B				Issued PO 105426 - \$8,269; work completed late Nov 2022.
2	New Magnetic flow meters for RAS and WAS	Pending		102B				hardware - does not include installation [estimate for Equip - \$8,500] May or may not occur. Remove from planned projects for 08M.
2	yard hydrants - installation	completed		102B				sub-contractor labor - pending; Have materials on hand. Spring 2022. Targeting Nov 2022. Completed Dec 2022 including conduit trench from Sec building to CCT.
1	Mech seals for new PS4 pumps & barrier tanks	completed		102B		\$10,068.55		Items ordered after approval. Installed & in service Aug 2022.
1	Pump Station #4 -New Pumps install	completed		102B		\$12,237.61		by D & C. Late June 2022 - revised estimated installation cost. Work completed July 2022.
1	Effluent Pump #3 - repairs	completed		102B		\$26,840.20		pump has been returned to facility
3	Sanitaire hardware purchase for aer tk 1	Pending		102B				Purchase more hardware ??
1	D&C plant water and potable water system repairs, upgrades various. Replace 6" potable water valve in basement and misc. valves	completed		102B		\$43,499.70		Also check/replace 1 1/4 valves as needed - Requires a water shutdown, other drainage piping, etc. T&M. Estimate \$43,000
2	new effluent P1 - Flowserve	completed		102B				Update 2/8 to AquaSolutions - purchase of new spare effluent pump #1 - 60HP pump delivered in late September. Cost encumbered in 07M. Pump received and paid for 07M.
2	Pump Station #3 - spare rotating, assy, or pump	Pending		102B				TBD- estimates being obtained
3	New 4-inch valves for pri building between the tanks Installation	Pending		102B				Valves - cost: \$3000, sub-contracted labor - either WC or outside co.\$5,000 - totl estim \$8,000
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; evaluating options
3	Gravity Thickener #1 sandblasting/painting	Pending		102B				Estimate \$50,000+ - would need to go out for competitive bid request
2	Duperon Sumitomo Gear boxes	completed		102B		\$8,500.00		one spare gear box for flex rake and wash compactor [Delte Elec] ordered June 2022. Received in late August 2022. Waiting for invoicing. On Purchase order.

Hull 2022-2023 - 08M Projects, Tasks, and Needs - (AV)								
Maintenance Account - Year 8 - 05_01_22 to 04_30_23								
FOR January 2023 M.O.R.					\$125,337.00			3/6/2023 14:00
Priority [1=high]	Description	Status	completed	Task	Estimates & funds remaining	Final Completed Cost	Lead	Comments
1	Grit classifier system parts	On Going		102B	\$3,500.00			waiting for wear shoes - charge is to 07M - estim \$3500. Wear shoe Items received July 2022. Plan for additional tail shaft assy and housing & bushings. Pricing out items/costs by various vendors incl Mfr.
	Plant Water System [Pump and/or parts]	On Going		102B				consider spare motor or complete unit. Under review/hold [est \$6,000].
1	Replacement Pumps LS A [see notes]	completed		102B		\$9,749.96		Repair of rotating assembly - at IPS shop. Returned in September 2022.
1	Electrical Work	On Going		103A				Orig budget \$25,000. Electricians: Glen Fellows, HiVoltage, or other; adjust 8/30; adjust budget Sept 20th. Adjust for addit exp 9/28; adj down on 11/28. Adjust to ZERO on 12/19/22.
1	SCADA Work	On Going		103A	\$7,000.00			Steve Rose and the SCADA Support Team; budget \$20,000; Adj for cyber security protection subscr to \$14k; Reduce placeholder budget to \$7,000.
1	E-One Repairs and Replacement	On Going		103A				Orig budget: \$38,000. Based on historica/recent costs. E1 repairs where cost-effective & new replacement pumps; control panels, other equip; Adjust 8/30. Adj 9/28 to Zero.
1	Automatic Transfer Switch inspection and servicing	completed		101A		\$1,800.00		\$2400 - Annual Service planned for NETS - Transfer Switch; Work comleted July 2022
1	Wetwell Inspections and Cleaning - Plant/Pump Stations	On Going		103A	\$3,000.00			As required, plant or pump stations; orig budget \$8,000; Update acct 9/28;
1	Sewer Line Cleaning - Emergencies, pump & haul	On Going		103A	\$5,000.00			Placeholder - As required for various sub-contractors; could be Hoadley, Truax, WindRiver, BMC, or other, collection system & plant; budget \$10,000 Update acct 9/28;
1	Collection System and plant - emerg & unplanned calls - Jetting & CCTV work - various contractors	On Going		103A	\$5,000.00			Budget - 15,000, 8/30 - reduce budget due to recent work; Update acct 9/28;
1	Effluent Composite sampler	On Going		102B				Replace "tired" effluent composite sampler. Waiting for PO to be issued. PO issued Dec 2022 for \$9760
3	Pump Station #5 jet lines to wetwell and WW cleaning	completed		103A				included with wetwell/collection system work
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: \$31k to 35K ??. Maybe year 09M project ?
4	Generators - Load Bank Testing Plant & Pump Stations	Pending		103A				Look at under 08M or 09M - recently done under 06M.
1	Rosano Davis Pump & Haul PS9	completed		103A		\$28,800.00		for FM inspection
1	EESCO MCC work at the Pump Stations	Pending		103A				TBD 2 days - request for quotation. Site visit done 10/27 by EESCO & waiting for proposal.
3	Low pressure sewer valve box insp & mtce	Pending		103A				placeholder for contractoror O&M inspections and potential repairs; Looking at Rosano-Davis or another contractor & W&C to investigate; budget of \$7,500 on hold
1	Est grit screw installation	Pending		102B	\$40,000.00			\$40,000 placeholder installation - TBD year 8 or year 9
1	Est Grit screw purchase	Pending		102B				placeholder hardware purchase. PO issued Oct 2022 \$48,122
1	AUMA actuator repairs & service	On Going		101A				PO# 105407 - issued for service call and 2 motors. \$4,000

Hull 2022-2023 - 08M Projects, Tasks, and Needs - (AV)								
Maintenance Account - Year 8 - 05_01_22 to 04_30_23								
FOR January 2023 M.O.R.					\$125,337.00			3/6/2023 14:00
Priority [1=high]	Description	Status	<i>completed</i>	Task	Estimates & funds remaining	Final Completed Cost	<i>Lead</i>	Comments
	HDWK fiberglass slide gate	Pending		101A	\$3,000.00			Soliciting estimates for at least one new slide gate. Placeholder [Jan 2023] \$3,000
1	SC #2 Structural Steel Repairs	completed		103A	\$24,000.00			Based on T&M - center supports, scrapers, other - IPC Lydon. Invoice pending
TOTAL					\$125,337.00			