



Operations Report

Month of Review: July 2019

Information Provided by:

- Luis Melchor, Operations Manager
- Greg Dunn, Chief Plant Operator
- Rachel Pearlman, Administrative Services Technician
- C&D Staff
- Maintenance Staff

Wastewater Treatment Plant Flows

Influent Totals From Plant: July 2019

Total	4.56MG
High	.18MG
Low	.12MG
Average	.15MG

Effluent Totals From Plant: July 2019

Total	4.79MG
High	.19MG
Low	.13MG
Average	.15MG

Rainfall Totals at the Sewer Treatment Plant Month of July

Year	Total Rainfall-inches
2019	0.02 (.02 High)
2018	0.00 – (0.00 High)
2017	0.00 – (0.00 High)
2016	0.00 – (0.00 High)
2015	0.12 – (0.10 High)
Current Season Total	56.46

Wasting Totals

Total Inches	452
Total Pounds	8378

Reclamation Totals

PML	8.2 MG
Spray Fields	0
PML Season Total	19.549MG
Spray Fields Total	.549MG

Active Sewer Accounts: 1545

Activities at the Wastewater Treatment Plant

- Took weekly Bac Ts and BOD of the Chlorine Contact Chamber (CCC) and sent into Aqua Lab for testing
- Completed monthly Wastewater Report and sent to the State
- Used vac-truck to clean out CCT for Njrich to complete plumbing for the Res 1 valve vault project
- Replaced blower motor for the STP aeration and cleaned all filters
- Replaced sump pump behind Res 1 (catching ground water and diverting from going into Res 1)
- Diagnosed polymer pump for the screw press(took apart and cleaned), wouldn't prime due to the consistency of the polymer(to thick)
- Mowed Fields 1, 2, 3 and 4
- Repaired/replaced vales for the reclaimed irrigation system



Old valve Dated 1979 was cut out and replaced with new section. Valve was stuck in the open position





Bonnet was removed and seat was replaced with parts found in Bone yard dated 1979



Wastewater Collections Department

- Completed all Preventative Maintenance Check Sheets (PMCS) at all Lift Stations (weekly)
- Chemical flushed gravity sewer lines throughout the District
- Hydro flushed multiple gravity lines throughout the District
- Completed odor and grease control at Lift Station 6 & 7 and other stations as needed
- Cleaned Ls 2, 5, 6, 7, 8, 13, 14 and 15 wet wells pressure transducers and floats
- Replaced batteries in LS 15 UPS
- Man hole inspection for Town, BOF and Twin Pines easement (total of 105 Manhole were opened and inspected for the month of July)

Treated Water Department

- Submitted monthly Water Treatment Report and Conservation Report
- Performed weekly checks and calibrations on all analyzers at 2G, BC, and AWS
- Performed monthly UV calibrations at 2G and BC
- Took weekly plant samples and sent into Aqua Lab
- Cleaned sensor wells and light tubes for UV reactor # 1 and 2 at Big Creek Treatment Plant
- Adjusted Big Creek Booster Pump #2 pump control valve to slower ramp time

Distribution Department

- Took distribution samples and sent into Aqua Lab
- Monitored Distribution Tank weekly(dosed Tank 2 & 5)
- Read all District Water Meters
- Normal day to day: Trouble calls (low press/high press, no water, shut off for repairs etc.)
- Completed weekly checks on Tank 4(Building, Pneumatic Tank, Pumps and MCC Cabinet) and Highlands Pump stations (Building, pumps and MCC Cabinet)
- Worked with Rexel on Soft start and VFD problems at T4, Highlands and LS 10. Found VFD at T4 needs replaced, LS 10 checked all parameters of the soft starts everything tested fine, we put back into service with no problems since. Highlands soft starts tested fine, found generator was the cause of the faults.(under sized)
- Installed new VFD, breaker and cooling fan for Tank 4 Pump # 1
- Relocated water service for Po in unit 10.
- Flushed water in the Tank 5 service area

Meter Related Services	Total
Check/repair meter	2
Install water meter	3
Monthly lock offs	13
Meter change outs	3
Read tenant out	5
Re-Read	66
Turn off meter	10
Turn on meter	25
Test meter	0
Total Distribution Issues	127

Active Water Accounts:3245

Billed Consumption	Gallons
Residential	9861716
Commercial	913966

Construction and Maintenance

Description	Water	Sewer
Main line leaks	0	0
Main line break	0	0
Service leaks	0	0
Service breaks	0	0
Fire Hydrant replaced/repared	0	0
Totals Per Service	0	0

Maintenance

- General yard maintenance around the District maint. Yard (mow, weed eat, debris removal, limb trees ETC)
- Made dump run to Groveland Transfer Station

- Cleaned around dumpster area and hauled cardboard to Moore Brothers
- Complete general ground maintenance at the Park (mow, weed eat, debris removal, limb trees ETC)
- Serviced Engine 781 (oil, filters, safety checks)
- Diagnosed noise complaint at Big Creek Treatment Plant. Found exhaust fan had damaged bearing and exhaust louvers. Replaced both damage components and wired fan into thermostat for more controlled run time.
- Serviced Highlands standby Generator (oil, filters and safety Checks)
- Serviced Truck 6 (oil, filters, safety checks)
- Built new gate for Tank #3
- Installed new filter and box for property on Lower Skyridge
- Vac-Tron out meter box for Business in town due to possible break(broken on PO side)
- Serviced Utility 786 (oil, filters and safety checks)
- Started 24Hr testing for all District stand by generators
- Completed the 90 day BIT inspection for Engine 787 and 788 and charged the AC system for 787
- Replaced the tires on the Vac-Tron unit
- Tried to diagnose electrical short on Engine 781, could locate took into Burtons in Oakdale
- Removed old SCBA filling station from the Fire House and took to the dump
- Cleaned carburetor and sharpened the chain for the Stihl chainsaw

Water Projects

Sewer Projects

- Flume Project is complete waiting for final inspection from District engineer



Heavy vegetation located in the lower section of the Flume



Damaged concrete crushed and re-compacted



Starting of the new shotcrete and fished product

- Valve vault project is complete and line is back in service



Old 3x3 Vault



First section of the new vault
being placed



New Vault

Park Projects

- Pressure washed the amphitheater at the lower park and started repairing trim and ledger board

After Hour Calls

- Staff had 10 after hour calls: 3 water and 7 sewer, all resolved

Workplace Safety and Training

Weekly Safety Meetings and Training

- 7-2-2019 Chemical Safety bulletin with quiz
- 7-9-2019 SDRMA Discussion Driven to Distraction with Test
- 7-16-2019 SDRMA Discussion Safety Takes Courage with Test
- 7-23-2019 SDRMA Discussion Ergonomics/ 24-Hour body with Test
- 7-30-2019 SDRMA Discussion Difficult Customers Alert with Test