



Operations Report

Month of Review: April 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: March 2019

Total	3.96MG
High	.212MG
Low	.102MG
Average	.132MG

Effluent Totals From Plant: March 2019

Total	4.45MG
High	.267MG
Low	.082MG
Average	.148MG

Rainfall Totals at the Sewer Treatment Plant Month of March

Year	Total Rainfall-inches
2019	.81 – (.22 High)
2018	2.96 – (1.40 High)
2017	5.09 – (1.58 High)
2016	3.05 – (1.10 High)
2015	2.66 – (1.35 High)
Current Season Total	48.50

Wasting Totals

Total Inches	563
Total Pounds	7791

Reclamation Totals: Off for the Season

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Active Sewer Accounts: 1546

Activities at the Wastewater Treatment Plant

- Took weekly Bac Ts of the CCC and sent into Aqua Lab for testing
- Completed monthly Wastewater Report and sent to the State
- Cleared debris off the face of reservoir 2 dam
- Formed holding tank and poured concrete for the Screw Press effluent. Installed pumps and new plumbing
- Supported PH Electric on the installation of the STP Irrigation Pump Soft Start and put back in service
- Cleaned the STP on site Chlorine Generator
- Supported Alderson Fencing on the installation of new fencing around the STP Drying beds
- Took down old fence around the STP drying be



Old fencing that was removed



Completed new fencing

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
- Changed out the check valve to pump #1 at Ls10
- Cleaned out all Lift Station MCC cabinets (spider webs, dust etc.)
- Ran CCTV camera for a sewer line problem at the pharmacy (located roots at the interconnection of the main line. We hydro flushed and attempted to cut out the roots with little success, we used root X to kill the roots and called in an outside contractor to cut out the roots and clear the line.
- CCTV sewer line on Big Oak Rd for sewer line problems (our side was clear problem was located on the Po side)
- Checked Ls 7 and 5 Force Main ARV's
- Completed Manhole inspections for Ls 3, 4 and 5 gravity lines (66 total Manholes inspected)
- Changed out the UPS and UPS outlet at Ls 11

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.
- Worked on annual CCR
- Worked/operated AWS (adjusting chemical pumps, calibrating monitoring equipment)
- Replaced the post clear well sample pump at Big Creek
- Disconnected the turbine pump at Big Creek and supported Don Pedro pump on the removal



Bowl section of Big Creek Turbine Pump



Damaged turbine pump filter screen



"Centering Spider Rings" had to be cut to finish removal of turbine pump

Distribution Department

- Took distribution samples and sent into Aqua Lab
- Monitored Distribution Tank weekly
- 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)
- Dug trench and ran conduit and wire for outlet on top of Tank 2, 4 and 5
- Installed a new backflow on Mountain springs Ct
- Replaced an broken backflow on Old 120
- Repaired broken hydrant on Cresthaven Dr
- Repaired broken service tube located at the PML Main Gate

Meter Related Services	Total
Check/repair meter	0
Install water meter	0
Monthly lock offs	11
Meter change outs	1
Read tenant out	0
Re-Read	19
Turn off meter	8
Turn on meter	20
Test meter	0
Total Distribution Issues	59

Active Water Accounts:3245

Billed Consumption	Gallons
Residential	4218472
Commercial	416500

Construction and Maintenance

Description	Water	Sewer
Main line leaks		
Main line break		
Service leaks	1	
Service breaks		
Fire Hydrant replaced/repared	1	
Totals Per Service	2	0

Maintenance

- General yard maintenance around the District main yard
- Made dump run to Groveland Transfer Station
- Complete general ground maintenance at the Park
- Serviced the STP stand by generator (oil, filters, etc)
- Serviced the Bobcat (oil, filters, greased and tighten tracks)
- Replaced seized brakes on engine 781
- Picked up engine 788 from Sierra Motors body shop
- Replaced the leader hose and changed out ball valves on the Flush Truck
- Changed out the batteries on Tank 4 stand by generator
- Worked with Foothill Pest Control on District wed spraying
- Worked with Industrial Electric at Ls 9 for generator starting problems. Had to replace wire harness and toggle switch. Also diagnosed Ls 14 transfer switch problem (bad controller)
- Worked with John deer at Tank 2 for generator transferring/starting problems
- Reattached the boost tube on Truck # 7
- Checked all patch pave areas and added cut back as needed
- Diagnosed three leaking valves on engine 788 replaced and took in for annual pump testing along with engine 787 and 781, all passed
- Cleaned up around the Pole barn area
- Welded new D-rings on the Bobcat
- Replaced the battery on Truck 3
- Installed new hydraulic hoses on Truck 17 crane
- Replaced door sweeps on 2G back door
- Picked up all District Fire extinguishers for annual inspection then return
- Removed and replaced the power steering hose for Engine 781
- Weedeated around all lift station
- Weedeated around pump station 4 and 5

Water Projects

- Worked on acquiring information for new Maintenance Software (SEMS)
- Supported Potable Divers for the cleaning of Tank 1,3 and 5



Potable diver gearing up to clean Tank #1

Sewer Projects

- Notice to Proceed for Flume repair is on hold due to the weather
- Reservoir 1 Valve/Vault project is waiting for start date from contractor Njirich and Son's
- Worked with outside contractor on the cleaning of all main Sewer Hubs # 8, 5, 6 and 7. In hopes of cutting down on the sewer smell during the summer months.



LS 5 old wet well



LS 8 old wet well



LS 7 old wet well



Total amount of sewerage vacuumed from hub stations 5,6,7,8

Park Projects

Supported Rotary with BBQ Pit cover project

After Hour Calls

Staff had 8 after hour calls; 7 water and 1 sewer, all resolved

Workplace Safety and Training

Weekly Safety Meetings and Training

- 4-2-2019 (Topic) Ladders Safety
- 4-11-2019 (SDRMA Topic) Fall Protection with quiz
- 4-16-2019 (topic) Chemical Safety with quiz
- 4-23-2019 (Topic) Head Injury's
- 4-30-2019 (Topic) Annual Heat Illness with quiz
- CPO Greg Dunn held in house math class for upcoming water certification exam.