



# Operations Report

Month of Review: August 2019

## Information Provided by:

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

## Wastewater Treatment Plant Flows

### Influent Totals From Plant: August 2019

<b>Total</b>	4.05MG
<b>High</b>	.18MG
<b>Low</b>	.086MG
<b>Average</b>	.13MG

### Effluent Totals From Plant: August 2019

<b>Total</b>	4.41MG
<b>High</b>	.20MG
<b>Low</b>	.093MG
<b>Average</b>	.14MG

### Rainfall Totals at the Sewer Treatment Plant Month of August

Year	Total Rainfall-inches
2019	0.00 - (0.00 High)
2018	0.00 - (0.00 High)
2017	0.00 - (0.00 High)
2016	0.00 - (0.00 High)
2015	0.00 - (0.00 High)
<b>Current Season Total</b>	<b>56.46</b>

### Wasting Totals

<b>Total Inches</b>	<b>172</b>
<b>Total Pounds</b>	<b>9715</b>

### Reclamation Totals

<b>PML</b>	8.2 MG
<b>Spray Fields</b>	0
<b>PML Season Total</b>	19.549MG
<b>Spray Fields Total</b>	.549MG

Active Sewer Accounts: 1548

## 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
- Pulled broken Diffuser on the E-Basin, replaced with new
- Adjusted all diffuser air valves to the full open position
- Cleaned up brush on Res. #2 Valves
- Annual Dam inspection
  - Tested all valves with inspector, everything tested fine and inspection went well with only a few minor things to address. (grass on Dam Face, rodents control)
- Mowed field 5 road so tree crews can access for Jones Hill Fuel break

## 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
- Manhole inspection for Groveland, LS 9 and LS 10 gravity lines. Total of 154 manholes were opened and inspected for the month.
- Assisted Aqua Sierra on Ls 10 cabinets repairs
- Cleaned LS 9, 10, 11 and 12
  - Wet wells, mechanical wells, Pressure Transducers and Floats.
- Replaced fans for Lift Station 8 MCC Cabinet
- Installed new batteries for the UPS at Lift Station 7

## 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
- Took Aqua Sierra Controls to all WTP to diagnose remote access possibilities
- Cleaned out the VFD and MCC Cabinet at BCTP
- Cleaned UV sensor wells at 2G for reactor 1 and 2. Sent in reactor 1 to be rebuilt.
- Installed new cooling system for BCTP turbine VFD

## 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)
- Water break on PMD in front of Unit 3 Lot 113. Service line
- Water break on PMD in front of unit 4 lot 279. Service manifold



- Flushed water in the Tank 5 service area
- Diagnosed water system pressure problem for unit 12. Staff found pneumatic tank air to water ration was the problem.
- Moved Auto Flusher on Merrell Rd and replenished De-Chlor tabs
- Replaced a Sand Separator in unit 13
- Tested Yosemite Pines RV Park backflow device
- Dug up Foot Street for possible water break and found a Poly pipe that was not the District. The pipe ran to the creek upstream.

Meter Related Services	Total
Check/repair meter	0
Install water meter	3
Monthly lock offs	15
Meter change outs	0
Read tenant out	3
Re-Read	26
Turn off meter	2
Turn on meter	19
Test meter	0
<b>Total Distribution Issues</b>	<b>68</b>

Active Water Accounts:3246

Billed Consumption	Gallons
Residential	11446618
Commercial	1107539

## Construction and Maintenance

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

### 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)
- Removed chain and installed and painted new gate for Tank 3
- Ran scanner on utility 786 to check engine codes, code came back as failed regen- reset operating fine
- Replaced Truck 7 serpentine belt, belt tensioner and charged AC
- Met with Gatewood heating and Air for the installation of an exhaust hood on the UV building at BCWTP. Their recommendation to us was to move the fan to other side of building, less of a cost and better for the equipment.
- Ran standby generators at all Lift stations for 24Hrs test run for possible PSPS
- Picked up Engine 781 from Burrton Fire in Modesto
- Cleaned out Park Concession Stand
- Worked on new plumbing for the Laundry Room, water lines and drain lines and had JS West run new Propane line
- Added cutback to past water break patch on PMD Unit 3 lot 113
- Worked with Industrial electric on Tank 4, Ls 9 and highlands generator problems
- Cleaned around hydrants in Groveland, Unit 1, 2, 3 and 4 (weed eat, trim bushes, remove debris)
- Cleaned around Lift Stations (weed eat, blow off, trim trees)
- Removed and installed new fuel lines and cleaned fuel check valve for Tank 4 stand by generator
- Wired in new plug for the new SCBA filling station and bolted down air tank
- Cleaned out and flushed drains at 2G
- Serviced BCTP stand by generator
- Took Truck 18 rotors off and had them turned then reinstalled

### Park Projects

- Prepped and painted the lower park Amphitheater. Waiting for eve repair to be finished.





### After Hour Calls

- Staff had 13 after hour calls: 10 water and 3 sewer, all resolved

## Workplace Safety and Training

### Weekly Safety Meetings and Training

- Jacob W took his CWEA Grade I Collection Maintenance Exam (**PASSED**)!
- CPO Greg Dunn held math classes for staff taking upcoming exams
- 8-6-2019 SDRMA Discussion Back Safety with Test
- 8-13-2019 SDRMA Discussion Workplace Violence with Test
- 8-21-2019 SDRMA Discussion Housekeeping Safety with Test
- 8-28-2019 SDRMA Discussion Evacuation with Test