



# Operations Report

Month of Review: March 2020

### Information Provided by:

- Luis Melchor, Operations Manager
- Greg Dunn, Chief Plant Operator
- Rachel Pearlman, Administrative Services Technician
- Operation Supervisor

### Wastewater Treatment Plant Flows

Influent Totals From: March 2020	
Total	4.22 MG
High	.24MG
Low	.09MG
Average	.14 MG

Effluent Totals From Plant: March2020	
Total	4.59 MG
High	.36 MG
Low	.09 MG
Average	.15 MG

Rainfall Totals at the Sewer Treatment Plant Month of March 2020	
Year	Total Rainfall-inches
2020	6.88 - (2.08 High)
2019	8.33 - (1.20 High)
2018	16.69 - (4.87 High)
2017	4.87 - (1.03 High)
2016	10.17 - (3.06 High)
Current Season Total	22.30

Wasting Totals	
Total Inches	447
Total Pounds	6337

Reclamation Totals	
PML	0
Spray Fields	0
PML Season Total	0
Spray Fields Total	0

Active Sewer Accounts: 1558

## 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 Water Resources Control Board
- Completed daily rounds and Lab
- Began rebuilding OMAR (Ras Pump) at the STP

## Wastewater Collections Department

- Completed all Preventative Maintenance Check Sheets (PMCS) at all Lift Stations (weekly)
- Chemical flushed gravity sewer lines throughout the District for system maintenance
- Flushed out manholes with slow lines causing buildups
- Hydro flushed multiple gravity lines throughout the District for system maintenance
- CCTV sewer line at unit 1 lot 285
- Performed manhole inspections for Lift Station 1 & 2, total of 134 Manholes opened and inspected
- Cleaned up down branches as needed at Lift Station, from past weather events
- Ls 11-Removed down tree; Multi day site and equipment checks until power restored; Diagnosed “No Communication” alarm, radio not working
- Worked with Telstar to repair communications at LS-11



Staff Replacing Radio  
antenna at LS 11

## Treated Water Department

- Submitted monthly Water Treatment Report to State Water Resources Control Board
- Submitted monthly Conservation Report to State Water Boards
- Performed weekly checks and calibrations on all analyzers at 2G, BC, and AWS
- Performed monthly UV calibrations at 2G and BC
- Took weekly Treatment Plant samples and sent into Aqua Lab
- Took weekly distribution samples and sent into Aqua Lab

## Distribution Department

- Monitored/sample Distribution Tank as needed
- 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, Highlands Pump stations (Building, Pneumatic Tank, Pumps and MCC Cabinet)
- Flushed water in the Tank 3 service area (unit 3)

Meter Related Services	Total
Check/repair meter	1
Install water meter	0
Monthly Meter Restrictions	0
Meter change outs	0
Read tenant out	2
Re-Read	8
Turn off meter	3
Turn on meter	12
Test meter	0
<b>Total Distribution Issues</b>	<b>26</b>

Active Water Accounts:3253

Billed Consumption 2020	Gallons
Residential	4654882
Commercial	352007
Billed Consumption 2019	Gallons
Residential	4178048
Commercial	352594

# 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/repaired	0	0
<b>Totals Per Service</b>	<b>2</b>	<b>0</b>



Bank eroding from broken service line



Sink hole under asphalt due to broken service line





Completed repair

## Maintenance

- General yard maintenance around the District maint. Yard (mow, weed eat, trash, debris removal, limb trees ETC)
- Cleaned around dumpster area and hauled cardboard to Moore Brothers
- Snowed-plowed driveways and parking lots
- Cleaned Maintenance Department parking lot and driveway
- Replace toilet flush valves at the Fire House
- Expanded tool room and moved tools from construction containers to the new room, and moved parts to the construction containers
- Painted dugouts and electrical bird house at the Ball Field
- Removed temporary fencing and installed new sprinkler wire at the Ball Field
- Installed new handle on woman's bathroom at the park, due to vandalism
- Cleaned drainages around the District during and after weather events
- Cleaned up broken trees at the lower park
- Cleaned Park Snack Shack and met with TC Health Department for upcoming events
- Installed deadbolt locks on Upper Park Restrooms and locked
- Replaced battery charger; air filter on Tank 4 Stand by Generator
- LS 9 Generator check; no-start problem due to low coolant level, added coolant
- Replaced hour meters on LS 10 and 12 Standby Generators
- Steamed cleaned LS 14 and 15 Standby Generator
- Fabricated "solids" catch basket for the WWTP
- Generator Transfer Switch testing at LS 3, 5, 6, 8, 9, 10, 11, 12, 13, 14, 15, 16

- Fueled and exercised Dunn Ct Standby Generator
- Car Trailer – Fabricated taillight brackets and repaired wiring
- Made loading ramps for mini excavator
- New Backhoe – Replaced cutting edges on 4-in-1 loader bucket
- Truck 15 – Replaced fouled out spark plugs
- Truck 7 – Performed exhaust clean, Repaired arm rest
- Truck 17 – Diagnosed engine code, oil cooler problem; Performed exhaust clean
- Truck 781 – Replaced exhaust pressure sensor
- Flush Truck – Replaced water tank
- Repaired unleaded fuel tank pump
- Installed lockable key cabinet in Maintenance Building and inventoried current vehicle/equipment keys
- Started repairs on the STP MCC- Building Sheet rock and doors.
- Repaired maintenance building roof
- Jetted sink drains at BCWTP

### Projects/Contract Work

- Vegetation removal
  - Big Creek Treatment Plant by CAL-FIRE (Baseline)





- Central California Generator
  - LS 14 injector pump
  - LS 8 Contact Switches
- All Secure Locks & Safe
  - began rekeying all District Locks
- TESCO and Industrial Electric for
  - Arc Flash Assessment
  - Electrical Maintenance on asset maintenance
- Industrial Electric
  - Electrical Maintenance on asset maintenance
  - BCWTP booster pump failures everything tested fine, possible intermittent dirty power from PG&E
  - job walk quote for LS 11 Generator repair from damage cause by down tree during weather event
  - Load test LS 1 Generator

#### After Hour Calls

- Staff had 8 after hour calls: 8 water all resolved

### **Weekly Safety Meetings and Training**

- Daily Tailgate Meetings
- Weekly Safety Meetings
- All Staff Meeting – Corona Virus Discussion
- GIS Data Dictionary creation meeting – Luis, Adam, Andrew, Zachary
- Introduction to Collection Systems – Albert, Zachary