



Operations Report

Month of Review: March 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	4.81MG
High	.25MG
Low	.09MG
Average	.15MG

Effluent Totals From Plant: March 2019

Total	5.34MG
High	.27MG
Low	.11MG
Average	.17MG

Rainfall Totals at the Sewer Treatment Plant Month of March

Year	Total Rainfall-inches
2019	8.33 – (1.20 High)
2018	16.69 – (4.87 High)
2017	4.87 – (1.03 High)
2016	10.17 – (3.06 High)
2015	.66 – (.24 High)
Current Season Total	32.03

Wasting Totals

Total Inches	548
Total Pounds	6697

Reclamation Totals: Off for the Season

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Active Sewer Accounts: 1533

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
- Met with Dam inspector and completed annual inspection.
- Set new valve boxes around the Dam monument markers.
- Replaced sprinklers in Field #4

Wastewater Collections Department

- Completed all Preventative Maintenance Check Sheets (PMCS) at all Lift Stations (weekly)
- Chemical flushed gravity sewer lines throughout the District
- Finished Gravity Manhole Inspections for Lift Station 1. Pulled minor roots out of 5 MH and removed down tree covering MH.
- Pumped down and broke up the grease island in Lift Station 6
- Completed Lift Station 2 gravity manhole inspections.
- Ran CCTV push camera to locate Sewer line for property owner at unit 1 lot 419. Staff marked line and depth of gravity line.
- Cleaned Lift Stations 9, 10, 11, 12, 13, 14, 15 and 16
- Marked out MH and sewer line for Dryco Construction doing culvert replacement on PMD.
- Met with PO on Grizzly about sewer line encroachment for new driveway.
- Completed hydro jetting in Groveland, Big Oak Flat and unit 3.
- Cleaned Lift Station 13 easement road.

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)
- Met Don Pedro Pump at BCTP they could not pull Turbine due to SFPUC equipment placement, staff hooked Turbine backup and we scheduled meeting with SFPUC for plan to pull Turbine.

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/winterize) etc.
- Completed weekly checks on Tank 4(Building, Pneumatic Tank, Pumps and MCC Cabinet) and Highlands Pump stations (Building, pumps and MCC Cabinet)
- Cleaned out all valve boxes in unit 3 and 4.
- Completed Directional Flushing in the Unit 3 service area.

Meter Related Services	Total
Check/repair meter	1
Install water meter	1
Monthly lock offs	21
Meter change outs	3
Read tenant out	3
Re-Read	37
Turn off meter	2
Turn on meter	22
Test meter	4
Total Distribution Issues	94

Active Water Accounts: 3245

Billed Consumption	Gallons
Residential	4505529
Commercial	352594

Construction and Maintenance

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

Maintenance

- Took Utiliti 786 to Sierra Motors for Transmission repairs. Found bad (TCM)
- Picked up new bearings for the Roto Strainer Drum from Applied Industries in Modesto. Cleaned and repaired Roto Drum #1 (new bolts on motor assembly& drive coupling)
- Replaced all lights in the Roto Strainer room
- Pulled apart Honda water pump diagnosed bad impeller, ordered parts and replaced.
- Pulled Water and Sewer maps for Hwy 120 and sent information to CalTrans for upcoming culvert replacements.
- Cleaned up debris in the upper Park and hauled back to the yard.
- Started cleaning up don trees next to Admin Parking Lot.
- Made/painted and installed new gate for the Lower Park entrance next to fire house.



- Fixed garage door and gutter down spout for the Fire House in BOF.
- Made and installed new chain and binder box for District equipment trailer.

- Took back supplies to Lowes and picked up supplies from Sonora for Big Creek Turbine (wire connectors), ridge caps from Sonora lumber for park concession stand, pressure gauges and hand pumps for C&D Staff.
- Rain-4-Rent used for irrigating fields blew discharge hose so pump was shut down while new hose was connected, when brought back into service pump had bad vibration which had broken the exhaust. Staff took it out of service and found damaged drive coupling and motor mount bracket which was repaired with new coupling and bracket re-welded. The valves were adjusted and the injector lines were bled.
- Repaired sprinklers in Field #3
- Basic service done on the Dump truck, truck 8, 19 and truck 20.
- Made dump run to Groveland Transfer Station
- Serviced Lift Station 1 air, oil and fuel filters were replaced.
- Greased transfer switch at Lift Station 12 tested and put back into service.
- Finished taking down old light poles around District Driveway.
- Completed annual smoke testing on District Diesel Trucks.
- Repaired Fire Department lawn mower.
- Replaced lights in multiple District buildings.
- Changed battery and serviced the Kabota Tractor.
- Repaired the tire on the golf cart.
- Replaced register and pig tail for the blower motor on Truck 6.
- Ran stand by equipment (light tower, sol-air air compressor)
- Replaced Curb stop for meter on Foot Street.



- Installed new fuel transfer tank and real on Truck 18
- Replaced the seat and seat belt in Engine 78.
- Diagnosed Lift Station 9 generator weekly exercising problem, found fuel pump was the issue due to losing prime.
- Fueled Rain-4-Rent as needed for irrigating fields.
- Marked out Water and Sewer line for Dryco Construction doing culvert replacement on PMD.



- Added cut back to past water break patch on Ferretti Rd
- Complete general maintenance at the Park
- Started cleaning around Pole Barn and Boneyard.

Water Projects

- Worked on acquiring information for new Maintenance Software (SEMS)
- Moyle Excavation finished the valve boxes and riser on Ferretti Rd. Project is now complete.

Sewer Projects

- Drying pad project is now complete.
- 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

Park/Fire Projects

Installed new ridge caps on the Park concession building.

Worked on gathering maps for Resilient Center Project (Sewer/Water location)

Opened Bids for upcoming Firehouse encroachment project

After Hour Calls

Staff received 4 after-hour calls: 3 were water related- 1 sewer related

Workplace Safety and Training

Weekly Safety Meetings and Training

- 3-5-2019 (SDRMA Topic) Respect for people with quiz
- 3-12-2019 (SDRMA Topic) Housekeeping with quiz
- 3-19-2019 (topic) Working out doors with quiz
- 3-28-2019 (Topic) SSMP Training
- CPO Greg Dunn held in house math class for upcoming water certification exam.