



Operations Report

Month of Review: February 2019

Information Provided by:

- Luis Melchor, Operations Manager
- Greg Dunn, Chief Plant Operator
- Brandon Klein, Collections and Distribution Operator II
- Matt Dickens, Maintenance Mechanic III
- Rachel Pearlman, Administrative Services Technician

Wastewater Treatment Plant Flows

Influent Totals From Plant: February 2019

Total	5.98MG
High	.32MG
Low	.12MG
Average	.21MG

Effluent Totals From Plant: February 2019

Total	6.82MG
High	.39MG
Low	.12MG
Average	.25MG

Rainfall Totals at the Sewer Treatment Plant Month of January

Year	Total Rainfall-inches
2019	13.44 – (2.02 High)
2018	.54 – (.54 High)
2017	15.90 – (2.52 High)
2016	1.67 – (1.45 High)
2015	4.34 – (2.01 High)
Current Season Total	32.03

Wasting Totals

Total Inches	108
Total Pounds	1775

Reclamation Totals: Off for the Season

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Active Sewer Accounts: 1543

Activities at the Wastewater Treatment Plant

- Took weekly Bac Ts of the CCC and sent into Aqua Lab
- Completed monthly report
- Lost Headworks Roto Drum # 1. Ordered parts for repair and will operated only one drum until repair can be made.
- Power problem damaged the STP Irrigation Motor Soft Start. Had to call an Allen Bradley rep and bring on site to find a replacement, since damaged device is discontinued and no longer supported. Maintenance staff set up Rain4Rent pump for temporary irrigation fix until new device is installed
- Had to take the Sewer Treatment plant to 75% of its max capacity due to storm events, plant was able to fluctuate high flows with no operational problems or Plant upsets
- Monitored and brought back Res 1 to STP slowly. Everything brought back was rain water from past storm events.
- Staff built a temporary cover for the screw press due to freezing temps

Wastewater Collections Department

- Completed all Preventative Maintenance Check Sheets (PMCS) at all Lift Stations (weekly)
- Cut and cleared downed trees off Lift Station 16 inspection tee manholes and Lift Station 1 & 15 easement roads
- Checked all Lift Stations and LS Generators daily during power related problems (fueled Generators as needed)
- Set up standby generator at Lift Station 4
- Cleaned out all Lift Station drainage ditches
- Chemical flushed Gravity Lines to LS 16, 11, 14 and 8
- Diagnosed pump and transfer switch problem at Lift Station 10. Replaced Transfer Switch solenoid and reset Soft Starts
- Started Gravity Manhole Inspections for Lift Station 1 (23 MH inspected)
- Responded to 1 report of Sanitary Sewer Overflow (SSO) – 0 reportable. Tree up rooted PO Septic Leach Line

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.
- Beginning work on annual CCR
- Worked/operated AWS (adjusting chemical pumps, calibrating monitoring equipment)
- SFPUC contacted the District on February 28, 2019 with a tentative date of March 4, 2019 for normal Mountain Tunnel Operations.
- Extended power Failure at Big Creek Treatment plant, tree fell through PG&E Lines and SFPUC main Transmission Lines. PG&E damages (3 poles, lines, insulators and Transformers) SFPUC damages (structural damage to Main Tower, insulators and Lines). SFPUC completed a temp fix and a major repair is in the works.
- Checked and fueled when needed standby Generators at 2G, BCTP, AWS and Dunn Ct
- Repaired multiple pipe fittings at AWS due to freezing. Winterized and installed new heat tape and heaters for cabinets



Distribution Department

- Took distribution samples and sent into Aqua Lab
- Monitored Distribution Tank weekly
- Read all District Water Meters
- Repaired Backflow and cover on Merrell Road
- 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)
- Replaced UPS Batteries for Tank 4 MCC Cabinet
- Shut down backflow for the RV park due to issue at their Tank
- Checked and Fueled when needed all standby Generators at Tank 4, 2, Highland
- Ran new electrical conduit and installed new sump pump and pipe from the altitude vault at Tank 4
- Staff checked location on Ferretti Rd which has steel plates from a past water break, area is so saturated that plates will need to remain until ground dries out some.

Meter Related Services	Total
Check/repair meter	2
Install water meter	1
Monthly lock offs	17
Meter change outs	3
Read tenant out	5
Re-Read	27
Turn off meter	25
Turn on meter	26
Test meter	1
Total Distribution Issues	107

Active Water Accounts: 3244

Billed Consumption	Gallons
Residential	5480663
Commercial	496178

Construction and Maintenance

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

Maintenance

- Completed 90 day Bit inspections on Vac-Truck, Hydro Flush Truck, Engine 787 and 788
- Replaced batteries on Engine 781
- Removed old shower unit out of the Fire House Bathroom to assess damage
- Changed out zerk fittings on Tank 4 booster pumps (greased pump and motor)
- Ran new internet cable for new work station in Admin
- Removed 2 of the old light poles from the District driveway
- Replaced tires put on both Case backhoes
- Removed down trees located in the upper and lower Park
- Serviced Truck 7 & 17 (changed oil, checked fluids, brakes, wipers, tires etc.)
- Plowed District road and shoveled snow around buildings
- Met with Cal Fire and walked property for possible training for Baseline Crews

Water Projects

- Started acquiring information for new Maintenance Software (SEMS)

Sewer Projects

- Drying pad has been delayed due to weather. Project is 90% complete
- Notice to Proceed for Flume repair is on hold due to the weather
- Reservoir 1 Valve/Vault project is waiting for final documentation to proceed

Park Projects

- Saw cut asphalt for Rotary to set post for new Lower Park BBQ roof

After Hour Calls

Staff received 18 after-hour calls: 10 were water related- 8 sewer related

Workplace Safety and Training

Weekly Safety Meetings and Training

- 2-7-2019 (SDRMA Topic) Emergency Evacuation with quiz
- 2-12-2019 (SDRMA Topic) PPE
- 2-21-2019 (topic) Cold Weather Safety with quiz
- 2-26-2019 (Topic) Portable Generator Safety with quiz
- 2-27-2019 3 employee attended a USA 811 training class in Sonora
- CPO Greg Dunn held in house math class for upcoming water certification exam.