



Operations Report

Month of Review: February 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 Plant: February 2020	
Total	3.04 MG
High	.13 MG
Low	.07 MG
Average	.10 MG

Effluent Totals From Plant: February 2020	
Total	3.12 MG
High	.15 MG
Low	.08 MG
Average	.11 MG

Rainfall Totals at the Sewer Treatment Plant Month of February 2020	
Year	Total Rainfall-inches
2020	.01 - (.01 High)
2019	12.78 – (2.02 High)
2018	0.54 – (0.54 High)
2017	15.90 – (2.52 High)
2016	1.67 – (1.45 High)
Current Season Total	15.42

Wasting Totals	
Total Inches	390
Total Pounds	5027

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
- Cleaned out Anoxic Zone in STP
- Potholed the Sewer mains coming into the STP Headworks, took measurements and depths for upcoming project
- Replaced VDF fans for STP Blowers

Wastewater Collections Department

- Completed all Preventative Maintenance Check Sheets (PMCS) at all Lift Stations (weekly)
- Chemical flushed gravity sewer lines throughout the District
- Flushed out manholes with slow lines causing buildups
- Hydro flushed multiple gravity lines throughout the District
- Cleaned Lift Station 13, 14, 15 and 16 (wet well, Floats, PT)
- Easement behind Mule Court (Bass Pond) – Repaired broken sewer line due to root intrusion, posted additional public notifications around the nearby pond/creek and added rock to low spot on easement road
- Inspected and cleaned lift stations after windstorm
- Manhole structure inspection on Charlie Smith's property in BOF
- Worked on LS 16 Breakover easement cleanup

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
- Cleaned lime tank at Big Creek Shaft Treatment Plant
- Finished installing Cla-Valve at Second Garrotte
- Performed Cla-Valve startup at Second Garrotte and Tank 3 with Cla-Val representative

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(Building, Pneumatic Tank, Pumps and MCC Cabinet) and Highlands Pump stations (Building, pumps and MCC Cabinet)
- Performed Fire Flow Testing for 7 locations in the District



- Replaced malfunctioning PO meters
- Located and flushed dead ends and blow-offs
- Cleaned around hydrants
- Service line leak repair on McKinley Way
- Mainline leak repair at the end of Powder House Street
- Dug out altitude valve and prv on Big Creek Shaft Road located on private property

Meter Related Services	Total
Check/repair meter	7
Install water meter	0
Monthly Meter Restrictions	0
Meter change outs	3
Read tenant out	2
Re-Read	13
Turn off meter	4
Turn on meter	19

Test meter	1
Total Distribution Issues	49

Active Water Accounts:3253

Billed Consumption 2020		Gallons
Residential		4904895
Commercial		315661
Billed Consumption 2019		Gallons
Residential		5480663
Commercial		496178

Construction and Maintenance

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

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)
- Serviced Lift Station 1, 2, 8, 10 and 15 generator (oil, filters ETC)
- Truck 6 – Repaired engine ignition problem
- Truck 7 – Serviced; Performed manual exhaust regeneration
- Truck 10 – Removed plow
- Truck 15 – Installed new locks on truck boxes

- Truck 17 – Performed manual exhaust regeneration
- Flush Truck – 90-day inspection; Plastic welded poly tank
- Fire Truck 781 – Troubleshoot engine light code & ordered parts; Performed 90-day inspection
- Fire Truck 787 – 90-day inspection
- Fire Truck 788 – 90-day inspection
- Vac Truck – 90-day inspection; Repaired front hub leaks
- Dump Truck – 90-day inspection
- Dump Truck Trailer – 90-day inspection
- Kubota Tractor – Replaced alternator & charged battery
- Vac Tron – Freed frozen pump; Installed starter switch; Replaced belts
- Portable Air Compressor – Cleaned carburetor
- Fueled Tank 4 generator due to power loss
- Replaced dugout benches, rotted trim pieces and painted dugouts and electrical building at the Ball Field
- Picked up dirt pile behind Miner’s Mart that was left from past job
- Cleaned and organized Maintenance Office building
- Cleaned Maintenance Shop
- Spread spoil piles
- Leveled pad and had 30-yard dumpster bin delivered for yard cleanup
- Repaired water leak at front of Main Office hose bib

Projects

- Weed control at sites:
 - Tank 2 – Jones Hill Court
 - Tank 4 – Elderberry Road
 - Tank 5 – Vernal Road
 - Big Creek Shaft
 - GCSD Yard – 18966 Ferretti Road
 - Mary Laveroni Park
 - Second Garrotte
- Vegetation removal at Tank 5 by CAL-FIRE (Baseline)



- LS 8 Transfer Switch replacement
- Potable Divers were on site and cleaned Tank 2,4 and both Water Treatment Plant CCT

After Hour Calls

- Staff had 8 after hour calls: 5 water and 3 sewer, all resolved

Workplace Safety and Training

Weekly Safety Meetings and Training

- Complete monthly Fire extinguisher, eyewash and ladder checks
- Backhoe Operation Training – Andrew
- GIS Training – Adam, Andrew, Zachary
- Drivers performed weekly vehicle inspections
- 2-5-2020 SDRMA safety orientation with Quiz
- 2-12-2020 Electrical and Flagging (Tailgate)
- 2-19-2020 SDRMA Hazard Awareness with Quiz
- 2-26-2020 SDRMA Fire Safety with Quiz