



# Operations Report

Month of Review: May 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: May 2019

<b>Total</b>	4.799MG
<b>High</b>	.288MG
<b>Low</b>	.10MG
<b>Average</b>	.15MG

#### Effluent Totals From Plant: May 2019

<b>Total</b>	5.19MG
<b>High</b>	.28MG
<b>Low</b>	.09MG
<b>Average</b>	.17MG

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

Year	Total Rainfall-inches
2019	7.90 – (1.88 High )
2018	0.53 – (0.45 High)
2017	0.35 – (0.20 High)
2016	0.28 – (0.16 High)
2015	1.46 – (1.05 High)
<b>Current Season Total</b>	<b>56.40</b>

#### Wasting Totals

<b>Total Inches</b>	<b>376</b>
<b>Total Pounds</b>	<b>4963</b>

#### Reclamation Totals: Off for the Season

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**Active Sewer Accounts: 1546**

## 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

## 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
- Installed new UPS at Ls 10
- Worked with Pacific Pipeline on the cleaning of Ls 5 & 8
- Completed Manhole Inspections for Ls 6 & 8 gravity lines (65 Manholes opened in May)



**Partially clogged manhole found during inspections**

- Cleaned Lift Stations 1, 3, 4 and 16 (wet wells, Pt's, floats)

## 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)
- Cleaned UV sensor wells at Big Creek and Second Garrote treatment Plants
- Repaired broken sample line at second Garrote Treatment plant



**2G sample line leak at corporation stop**



**New corporation stop and fittings**

- Diagnosed Second Garrote drainage pump, found rat had packed debris around float which was holding out the pump

## 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 etc.)
- Completed weekly checks on Tank 4(Building, Pneumatic Tank, Pumps and MCC Cabinet) and Highlands Pump stations (Building, pumps and MCC Cabinet)
- Weed eat around hydrants in BOF
- Dosed Tank 4 to bring chlorine residual up
- Cleared and reset faults at Highlands pump station

Meter Related Services	Total
Check/repair meter	1
Install water meter	0
Monthly lock offs	13
Meter change outs	1
Read tenant out	5
Re-Read	31
Turn off meter	8
Turn on meter	21
Test meter	20
<b>Total Distribution Issues</b>	<b>100</b>

**Active Water Accounts:3243**

Billed Consumption	Gallons
Residential	6186898
Commercial	649589

## Construction and Maintenance

Description	Water	Sewer
Main line leaks	1	0
Main line break	1	0
Service leaks	0	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 main 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)
- Completed 90 day BIT inspections on engine 788, Flush Truck and Vac-Truck
- Repaired air leak on Vac-Truck brake system
- Installed new climber handles on the Park Play Structure oval crater wall
- Completed new sewer connection on Pine Mountain drive
- Checked Tank 2 stand by generator for automatic transfer problems
- Worked on fabricating/modifications of the Traffic control trailer.
- Worked with Industrial Electric on standby generator/transfer switch repairs for Ls 14, 10 and Tank 2
- Installed new HOA switch for Ls 9 standby generator
- Repaired Truck 8 right rear tire
- Supported JB Bostic Co on PML road repairs (they found a buried man hole cover)
- Serviced Admin car (oil, filters, ETC)
- Replaced the battery on Ls 11 generator
- Diagnosed Ls 2 generator for auto transfer problem found generator had lost prime to its fuel system, primed and tested ok
- Repaired coolant hose on Truck 17
- Supported Aqua Sierra on radio troubles at Tank 2, Second Garrote, Tank 5 and Ls 16
- Checked/ran standby generators/transfer switch at Ls 3,5,6,7,8,9,10,11,12,13,14,15,16, Highlands, Dunn Ct, AWS and Tank 2
- Installed the Lower Park canopy for the summer season

**Flint Ct water break**



**Broken Sch 40 4" PVC Split 20' due to deflection in the pipe and poor installation**



**On left you can see the spilt going into the coupling on the right is the completed section with 4" C900 with 45 degree fitting.**

### Water Projects

- Worked on acquiring information for new Maintenance Software (SEMS)

### Sewer Projects

- Flume Project will start July 1,2019

### Park Projects

Supported Rotary with BBQ Pit cover project



**Completed new BBQ pit cover**

### After Hour Calls

Staff had 12 after hour calls: 4 water and 8 sewer, all resolved

## Workplace Safety and Training

### Weekly Safety Meetings and Training

- 5-7-2019 stairways and ladders- with quiz
- 5-14-2019 Hearing safety
- 5-21-2019 Monthly safety bulletin
- 5-29-2019 Easement Maintenance Training
- 5-31-2019 Situational Awareness Tailgate safety
- CPO Greg Dunn held in house math class for upcoming water certification exam.