

Forest View Acres Water District

Operations Report – May 2020

Prepared by Clyde Penn ORC Water Professionals

Arapahoe Water Plant

- The plant produced 100% of demand for August
- Purged Chlorine Analyzer as Needed
- Plant Checks, Mixed Chemicals
- Received Chlorine an additional 100 Gallons to be stored / used as needed at the Booster Station

Booster Pump Station

- Checked Booster Station

Distribution

- Meter was Read on 27 April 2020 / 27 May 2020 – Reports completed
- Water Quality Complaint 18010 Red Rocks Dr. – Flushed Hydrants
- Monthly BACTI's / HAA5 / TTHM
 - o Upcoming samples include SOC/VOC,

Surface Water Plant

- The plant produced 0% of demand
- Tried Starting SWTP – Went into Back to Back Backwashes – Effluent Turbidity High
 - o Calibrated Turbidity Meters (Raw Water Meter has Cracked Lens)
 - New Meter Approx \$2800.00
 - o Installed Bubbler for Combined Turbidity Meter (Effluent), Helps but still running high turbidity



- In the process of cleaning and relocating Filter for Filter Control Valves a Fitting Cracked – In order to repair fitting needed to replace approximately 5' of 4" PIPE – Completed



- Parts are on order to replace Raw Water AND Finished water sample connections



- Completed monthly MOR report for state – No Violations – Plant offline
 - o Going to have a New MOR Report that will need to be filled out once plant is back online

Locates

- New Company doing locates – Haven't been contacted by them for any help

Production for the Month of April 2020

Year	Month	SWTP Production - BW	% of Total	AWP Production	% of Total	Total Production	Total Water Sold	Percentage Discrepancy
2020	Jan	0	0%	2,061,922	100%	2,061,922	1,256,861	39.04%
	Feb	0	0%	1,922,915	100%	1,922,915	1,252,367	34.87%
	Mar	0	0%	1,651,707	100%	1,651,707	1,204,035	27.10%
	Apr	0	0%	1,814,822	100%	1,814,822	1,379,752	23.97%
	May							
	Jun							
	Jul							
	Aug							
	Sep							
	Oct							
	Nov							
	Dec							
Total		0	0%	7,451,366	100%	7,451,366	5,093,015	31.65%

SWTP Offline - High Effluent Turbidity

Flushed Hydrants - Quality Complaint 18010 Red Rocks

2019 Water Leaks:

13 March 2019 Service Line Leak - 3830 Range View - Being repaired by homeowner

05 June 2019 Main Line Break on Oxbridge - Hit by Foothills Electric

23 October Service Line Break on Rockbrook Dr. - Repaired by Homeowner

Flushed Hydrants on Rockbrook Dr because of water quality complaint - Brown Water.

2" Main on Clovenhoof was flushed multiple times during sewer line installation

2020 Water Leaks:

4825 Limestone - Service line between the Main and Curb Stop - REPAIRED

Flushed Hydrants - Water Quality Complaint

Meters

Total of 327 Meters in District of which 326 are Remote Reading currently

Repaired Meter at 18135 Oxbridge Rd

2019 New Meter Installations / Water Taps:

4660 Red Stone Ridge Rd

4640 Red Stone Ridge Rd

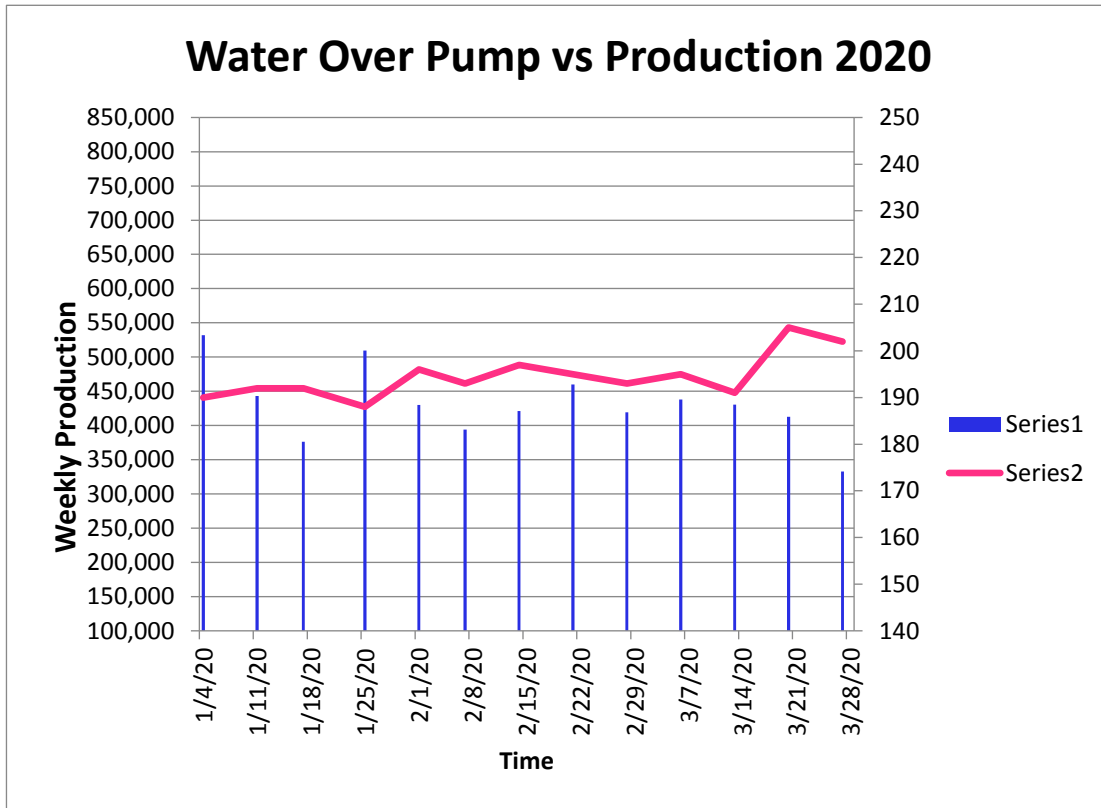
Two meters installed for new homes on Forest View Rd.

2020 New Meter Installations / Water Taps:

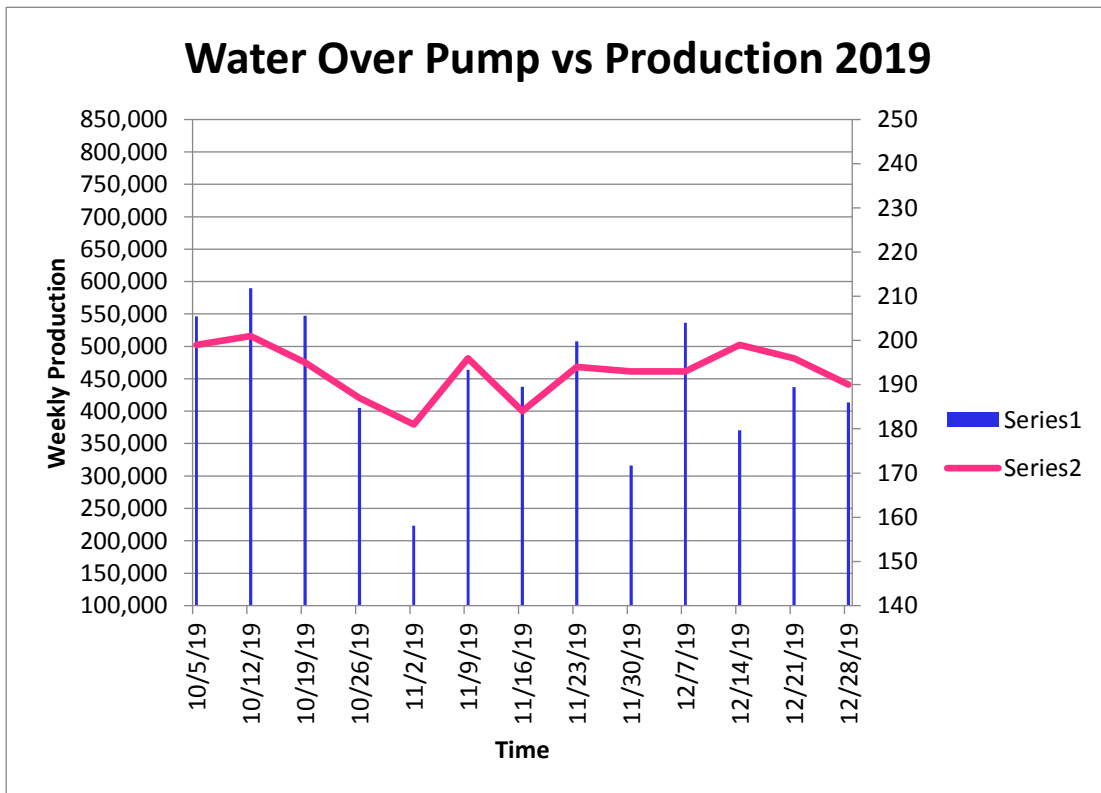
4909 Redstone Ridge – Meter Installed

4820 Limestone Rd – Tap Fee Paid

1ST Quarter 2020



4th
2019



Quarter



Forest View Acres Yearly Operations

Summary Report 2019

January

- SWTP produced 8% of Demand; AWP produced 92%
- Monthly MOR Report; Monthly BACT;
- Repaired Filter Valve AWP – Ruptured Diaphragm
- Purged Chlorine Analyzer – AWP as needed

February

- SWTP produced 0% of Demand; AWP produced 100%
- Monthly MOR Report; Monthly BACT; HAA5/TTHM
- SWTP – Replaced Feed Tubing on Chlorine Feed Pump

March

- SWTP produced 0% of Demand; AWP produced 100%
- Monthly MOR Report; Monthly BACT; Yearly Nitrate Samples
- Service Line Leak at 3830 Range View – Repaired by Homeowner

April

- SWTP produced -4% of Demand; AWP produced 104%
- Monthly MOR Report; Monthly BACT;
- Replace Chlorine Injector at AWP

May

- SWTP produced -2% of Demand; AWP produced 102%
- Monthly MOR Report; Monthly BACT; HAA5/TTHM
- Yearly Test of SWTP Backflow Device
- Main Break on Oxbridge Dr – Hit by Foothills Electric

June

- SWTP produced 8% of Demand; AWP produced 92%
- Monthly MOR Report; Monthly BACT;
- Cleaned Backwash Pond at SWTP
- Added 12 Bags of sand to each Secondary Filter

July

- SWTP produced 42% of Demand; AWP produced 58%
- Monthly MOR Report; Monthly BACT;
- Dove Project In progress – CL17 On hand

August

- SWTP produced 0% of Demand; AWP produced 100%
- Monthly MOR Report; Monthly BACT; HAA5/TTHM
- Replaced Chlorine Injection Pump at AWP / Rebuilt Old One

September

- SWTP produced -3% of Demand; AWP produced 103%
- Monthly MOR Report; HAA5/TTHM
- Yearly Lead and Copper Samples
- DOVE Inspection
- Rebuilt Chlorine Feed Pump at AWP – was not feeding Chlorine; Replaced Injector

October

- SWTP produced 0% of Demand; AWP produced 100%
- Monthly MOR Report; Monthly BACT;
- Repaired PRV at Booster Station
- Service Line Break on Rockbrook Dr. – Repaired by Homeowner

November

- SWTP produced 0% of Demand; AWP produced 100%
- Monthly MOR Report; Monthly BACT; HAA5/TTHM
- 2” Main on Clovenhoof Damaged / Replaced during sewer line installation for Palmer Lake
- Locates along Oxbridge and Lake Meadow for Electrical Line Replacement

December

- SWTP produced 0% of Demand; AWP produced 100%
- Monthly MOR Report; Monthly BACT;
- Forest View Road Tie-In Complete

