

Forest View Acres Water District

Operations Report – June 2022

Prepared by Gabby Begeman -ORC Water Professionals

Arapahoe Water Plant

- The plant effectively produced 98% of demand for June.
- Additional samples have been taken and sent to the lab for analysis.

Booster Pump Station

- The booster station check valve on one of the pumps will need to be replaced again. We will look into whether it is under warranty.

Distribution

- Monthly routine bacteriological sample taken and was absent for bacteria.
- We have ordered the routine comprehensive tank cleaning to be performed this fall by Inland Potable. They may have to remove excess sediment from the filters in the tank. This may result in additional cost.
- We have begun to replace the meter endpoints that will expire at the end of 2022.

Surface Water Plant

- The plant produced an effective 2% of demand in June.
- Completed monthly operations report (MOR) for state with no violations.
- The secondary filters have had more sand added to them.
- The valve on the backwash was also replaced in hopes of keeping the sand in the filters.
- The new turbidimeter display unit stopped outputting signals needed for the treatment process. This unit is no longer under warranty and will need to be sent back to HACH for service.
- This facility does not currently have a signal from the tank, perhaps resulting in some overfilling in January. Browns Hill believes that the radio equipment from the booster station that is not currently in use can be moved to the SWTP and utilized to receive tank level. They believe this is the best approach for now to remedy the issue. I have authorized them to move forward based on the minimal labor cost. This is still on the schedule.
- We have not been able to produce water from this plant with the low levels of sand and increased turbidity due to runoff. More sand was added at the end of the month and the plant is now operational again.

Compliance

- The State health department came out for a routine inspection and found the following:
 1. The booster station tank should have been designated as a finished water storage tank by the State. As such, this tank should have had periodic and comprehensive inspections performed at frequencies per the rule. Since there was not a definitive classification of this new tank by the State it was missed. The rule requires that the system provide public notification to alert the residents that we failed to provide the documented inspections to the State.

- The backflow device at the SWTP was not tested in 2019, as such we are in violation of the rule which also requires public notification.

Production Totals

Year	Month	SWTP Production - BW	% of Total	AWP Production	% of Total	Total Production	Total Water Sold	Percentage Discrepancy	<i>GPD Produced</i>	Average Demand (GPM)
2022	Jan	697,598	35%	1,315,054	65%	2,012,652	1,289,430	35.93%	67088	47
	Feb	1,012,201	70%	425,603	30%	1,437,804	1,149,039	20.08%	47927	33
	Mar	827,884	58%	602,692	42%	1,430,576	1,199,555	16.15%	47686	33
	Apr	927,643	59%	654,296	41%	1,581,939	1,323,806	16.32%	52731	37
	May	1,061,409	39%	1,681,527	61%	2,742,936	1,815,837	33.80%	91431	63
	Jun					0			0	0
	Jul					0			0	0
	Aug					0			0	0
	Sep					0			0	0
	Oct					0			0	0
	Nov					0			0	0
	Dec					0			0	0
Total		4,526,735	52%	4,679,172	48%	9,205,907	6,777,667	26.38%	25572	18
Comments: Jan suspected overflows of tank increased the discrepancy										