

Forest View Acres Water District

Operations Report – April 2022

Prepared by Gabby Begeman -ORC Water Professionals

Arapahoe Water Plant

- The plant effectively produced 41% of demand for April.
- Additional samples have been taken and sent to the lab for analysis.

Booster Pump Station

- The booster station has been operable without difficulty in April.

Distribution

- Monthly routine bacteriological sample taken and was absent for bacteria.
- The service line leak has not yet been repaired. We are awaiting a contractor to fix.
- The fabrication of the custom ladder and associated work is complete. See photos below.



Surface Water Plant

- The plant produced an effective 59% of demand in April.
- Completed monthly operations report (MOR) for state with a treatment technique violation for not meeting the 4 log removal rate. See attached letter from the State.
- The secondary filters need to have more sand installed as they continue to loose sand during backwash. The manufacturers rep has been contacted regarding maintenance on some of the valves that are not operating correctly.
- The new turbidimeter sensor unit wiper mechanism failed. The unit was sent back to HACH for warranty repair.

- The new turbidimeter display unit stopped outputting signals needed for the treatment process. The plant has been shut down until a repair technician can come out to diagnose and fix.
- The facility is due to have the backwash pond cleaned. This will be put on the schedule in the spring.
- 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.
- We have been able to produce water at flow rates of 70 GPM for extended periods of time.

Production Totals

Year	Month	SWTP Production - BW	% of Total	AWP Production	% of Total	Total Production	Total Water Sold	Percentage Discrepancy	GPD Produced	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					0			0	0
	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		3,465,326	55%	2,997,645	45%	6,462,971	4,961,830	23.23%	17953	12
Comments: Jan suspected overflows of tank increased the discrepancy										