

Forest View Acres Water District

Operations Report – Feb 2022

Prepared by Gabby Begeman -ORC Water Professionals

Arapahoe Water Plant

- The plant effectively produced 30% of demand for February.
- The tank level signal is not stable causing the well to run when it wasn't needed. Browns Hill engineering and controls came out and installed a timer function to eliminate the rapid and unnecessary cycling of the well.

Booster Pump Station

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

Distribution

- Monthly routine bacteriological sample taken and was absent for bacteria.
- The large discrepancy that occurred in January was reduced with the change in setpoints of the AWP.
- A quote has been received to fabricate and install a locking pull down ladder and swinging locking hatch to secure the tank and provide ease of access to operations. ORC recommends moving forward with this as a potential grant funded project.

Surface Water Plant

- The plant produced an effective 70% of demand in February.
- Completed monthly operations report (MOR) for state with no violations.
- We have received shipment and have installed the new raw flowmeter. This meter still needs to be hooked up to the SCADA system and integrated into the programming. We will do this work when other SCADA work is warranted to keep costs low.
- The secondary filters need to have more sand installed as they continue to loose sand during backwash.
- 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 is looking into remedying this problem.
- We are already experiencing runoff conditions and the facility is struggling with the elevated turbidity. The elevated turbidity is still below 5 NTU.

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					0			0	0
	Apr					0			0	0
	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		1,709,799	53%	1,740,657	47%	3,450,456	2,438,469	29.33%	9585	7