

# Forest View Acres Water District

Operations Report – January 2024

Prepared by Gabby Begeman -ORC Water Professionals

## Arapahoe Water Plant

- The plant produced 46% of all water made in January.
- The filter system has been experiencing issues with leaking valves, resulting in the booster pump running without flow. New valves have been ordered and partially installed. Additional piping will be needed to install the other valves.
- A new booster pump has been ordered to ensure continued operation of the AWP. Cost for this is estimated at \$8400. This is a critical spare component where parts are no longer available. This pump is also leaking and showing much wear. Without it, we cannot move water from the AWP.
- The backwash meter has been replaced.
- The amount of air in the filtration system may also be caused by an issue in the well. The well will need to be pulled in the near future to assess. We will continue to monitor and advise. Applied ingenuity is aware of our issues.

## Booster Pump Station

- The station has been operable with no known concerns all January.

## Distribution

- Monthly routine bacteriological sample taken and was absent for bacteria.
- Remote monitoring devices have been ordered and partially received for the PRV's. They will be installed asap as soon as we receive the remaining parts.
- The tank has 2 overflows, one of which works. The overflow does not daylight. This overflow needs to be dug up and either rerouted or abandoned. We are looking into this further.
- We suspect the tank has been overflowing during the night as the tank level indicator hasn't been operable especially at night.
- Batteries were replaced again at the tank.
- Mission Unit has been received and will be installed ASAP.

## Surface Water Plant

- The plant produced 54% in January.
- The effluent meter has been replaced.
- Completed monthly operations report (MOR) for state with no violations.

## 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)
2024	Jan	1,100,500	54%	953,000	46%	2,053,500	1,269,837	38%	66242	46
	Feb		#DIV/0!		#DIV/0!	0	1,094,549	#DIV/0!	0	0
	Mar		#DIV/0!		#DIV/0!	0	1,176,503	#DIV/0!	0	0
	Apr		#DIV/0!		#DIV/0!	0	1,172,053	#DIV/0!	0	0
	May		#DIV/0!		#DIV/0!	0	1,352,166	#DIV/0!	0	0
	Jun		#DIV/0!		#DIV/0!	0	1,444,258	#DIV/0!	0	0
	Jul		#DIV/0!		#DIV/0!	0	2,049,479	#DIV/0!	0	0
	Aug		#DIV/0!		#DIV/0!	0	1,878,186	#DIV/0!	0	0
	Sep		#DIV/0!		#DIV/0!	0	1,704,294	#DIV/0!	0	0
	Oct		#DIV/0!		#DIV/0!	0	1,497,348	#DIV/0!	0	0
	Nov		#DIV/0!		#DIV/0!	0	1,250,543	#DIV/0!	0	0
Dec		#DIV/0!		#DIV/0!	0	1,304,772	#DIV/0!	0	0	
Total		1,100,500	#DIV/0!	953,000	#DIV/0!	2,053,500	17,193,988	#DIV/0!	5520	4

**Comments:**

Jan confirmed overflows of tank increased the discrepancy due to tank level communication problems