

# Forest View Acres Water District

Operations Report – October and November 2023

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## Arapahoe Water Plant

- The plant produced 75 % during October and 24% during November.
- We are still experiencing issues with the tank level and communications from the tank to the AWP. A new radio was installed and hasn't made a difference.
- I have asked Browns Hill to provide a quote to replace all tank level components.
- We could also use a Mission box to control all stations including the new interconnect.
- We suspect the tank has been overflowing during the night as the tank level indicator hasn't been operable especially at night. New batteries and a charge controller have been ordered and partially installed.

## Booster Pump Station

- The booster station has had the check valve replaced.
- Pump 2 had a seal replaced after it had stayed on without pumping water. The pump has failed again causing the new seal to begin to leak. It will be replaced asap.
- Additional controls adjustments need to be made to ensure operability of the pumps without compromising the seals.

## 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.

## Surface Water Plant

- The plant produced 25% in October and likely would have accounted for more. See issues with the AWP above.
- The plant produced 76% in November.
- 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	Percent Discrepancy
2023	Jan	0	0%	1,607,854	100%	1,607,854	1,217,674	24%
	Feb	0	0%	1,430,606	100%	1,430,606	1,094,549	23%
	Mar	0	0%	1,418,587	100%	1,418,587	1,176,503	17%
	Apr	0	0%	1,226,013	100%	1,226,013	1,172,053	4%
	May	0	0%	1,788,605	100%	1,788,605	1,352,166	24%
	Jun	0	0%	1,585,494	100%	1,585,494	1,444,258	9%
	Jul	0	0%	2,653,000	100%	2,653,000	2,049,479	23%
	Aug	0	0%	1,959,000	100%	1,959,000	1,878,186	4%
	Sep	0	0%	1,801,000	100%	1,801,000	1,704,294	5%
	Oct	613,070	25%	1,800,006	75%	2,413,076	1,497,348	38%
	Nov	1,330,000	76%	420,994	24%	1,750,994	1,250,543	29%
	Dec							
Total		1,943,070	9%	17,691,159	91%	19,634,229	15,837,053	18%

**Comments:**

**Jan suspected overflows of tank increased the discrepancy**  
**July water leak increased discrepancy**  
**Suspected overflowing in October and November increased discrepancy**