

Forest View Acres Water District

Operations Report – December 2023

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Arapahoe Water Plant

- The plant produced 54% of all water made in December.
- 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. We have replaced the batteries and the charger controller and it worked for some weeks until the cold may have discharged the batteries too much. We will get a company to review the solar system on the roof and provide any recommendations.
- We have the quote for the Mission box to monitor the tank level and communicate with the well.
- The backwash meter is no longer operable. A replacement has been ordered and is estimated at \$2,300 and will be billed directly to Forest View through Badger Meter.

Booster Pump Station

- Pump 2 had the seal replaced and is no longer leaking.
- Additional controls adjustments need to be made to ensure operability of the pumps without compromising the seals. This is yet to be scheduled.

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.

Surface Water Plant

- The plant produced 46% in December.
- We have been able to keep the water running to prevent the pipe from freezing so far.
- The effluent meter needs to be replaced as it is rusty and may become a potential for leaks. Estimate for this meter replacement is \$2,300 via badger meter.
- 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	<i>GPD Produced</i>	Average Demand (GPM)
2023	Jan	0	0%	1,607,854	100%	1,607,854	1,217,674	24%	51866	36
	Feb	0	0%	1,430,606	100%	1,430,606	1,094,549	23%	46149	32
	Mar	0	0%	1,418,587	100%	1,418,587	1,176,503	17%	45761	32
	Apr	0	0%	1,226,013	100%	1,226,013	1,172,053	4%	39549	27
	May	0	0%	1,788,605	100%	1,788,605	1,352,166	24%	57697	40
	Jun	0	0%	1,585,494	100%	1,585,494	1,444,258	9%	51145	36
	Jul	0	0%	2,653,000	100%	2,653,000	2,049,479	23%	85581	59
	Aug	0	0%	1,959,000	100%	1,959,000	1,878,186	4%	63194	44
	Sep	0	0%	1,801,000	100%	1,801,000	1,704,294	5%	58097	40
	Oct	613,070	25%	1,800,006	75%	2,413,076	1,497,348	38%	77841	54
	Nov	1,330,000	76%	420,994	24%	1,750,994	1,250,543	29%	56484	39
Dec	710,600	46%	824,000	54%	1,534,600	1,304,772	15%	49503	34	
Total		2,653,670	12%	18,515,159	88%	21,168,829	17,141,825	18%	56905	40
Comments: Jan suspected overflows of tank increased the discrepancy July water leak increased discrepancy Suspected overflowing in October and November increased discrepancy										