

Forest View Acres Water District

Operations Report – August 2022

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Arapahoe Water Plant

- The plant effectively produced 91% of demand for August.
- The radio on the Mission box had to be replaced to maintain connectivity.

Booster Pump Station

- The booster station needs to have some programming changes to ensure proper operation. We have this scheduled.

Distribution

- Monthly routine bacteriological sample taken and was absent for bacteria.
- The routine tank inspection has been performed. We have yet to receive the inspection report.
- We have begun to replace the meter endpoints that will expire at the end of 2022. The replacement endpoint spreadsheet will be shared with CRS for updating to the Beacon system.
- A leak at Marty Taylors will be dug up and fixed by the district as it is unclear if this is the service line or main running through his yard.

Surface Water Plant

- The plant produced an effective 9% of demand in August.
- Completed monthly operations report (MOR) for state with no violations.
- The new turbidimeter display unit stopped outputting signals needed for the treatment process. This unit is no longer under warranty and will need to be sent back to HACH for service. This has yet to be serviced.
- This facility now has tank level indicated on our SCADA system and will operate based on tank level.
- During a backwash on the primary filters a major surge rocketed through the plant breaking a specialized fitting. This fitting had to be sourced and replaced which resulted in this facility being inoperable for most of the month.
- This facility is highly unstable during backwashing resulting in our standard operating procedures requiring us to leave the room during valve changes. Many times the piping has broken which is very unsafe to operations personnel.

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)
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	1,061,409	39%	1,681,527	61%	2,742,936	1,815,837	33.80%	91431	63
	Jun	32,536	2%	2,076,308	98%	2,108,844	2,090,661	0.86%	70295	49
	Jul	1,455,492	52%	1,362,059	48%	2,817,551	1,882,091	33.20%	93918	65
	Aug	193,675	9%	2,007,894	91%	2,201,569	1,750,601	20.48%	73386	51
	Sep					0			0	0
	Oct					0			0	0
	Nov					0			0	0
	Dec					0			0	0
Total		6,208,438	40%	10,125,433	60%	16,333,871	12,501,020	23.47%	45372	32
Comments: Jan suspected overflows of tank increased the discrepancy July water leak increased discrepancy										