

Forest View Acres Water District

Operations Report – July 2022

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Arapahoe Water Plant

- The plant effectively produced 48% of demand for July.

Booster Pump Station

- The booster station check valve on one of the pumps has been replaced. It is not under warranty.

Distribution

- Monthly routine bacteriological sample taken and was absent for bacteria.
- We have scheduled the routine tank inspection with Inland Potable for August.
- 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 major leak surfaced in late July at the Tee to the abandoned 2" connection to Clovenhoof at the corner of Vista View and Range View Road. The line blew out in the middle of the night and by the time ORC was able to respond the tank was drained and many people were out of water. Global Underground responded on Sunday and was able to repair the break and restore water to that isolated section the same day.
- ORC believed that the tank would recover throughout the night however there was an additional issue with the booster station PRV that did not allow water to pump up to the tank. This PRV allows for a high and low pressure blowoff. It was found on Monday that the low pressure relief valve was not allowing the water from the well to pump up to the tank and repressurize the distribution system.
- ORC thoroughly checked the entirety of the distribution system for leaks and resolved that the PRV at the booster station was the issue. The tank recovered that night with the PRV isolated in the booster station.

Surface Water Plant

- The plant produced an effective 52% of demand in July.
- Completed monthly operations report (MOR) for state with no violations.
- The valve on the backwash has kept more sand in the filters.
- 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 does not currently have a signal from the tank, perhaps resulting in some overfilling in January. Browns Hill believes that the radio equipment from the booster station that is not currently in use can be moved to the SWTP and utilized to receive tank level. They believe this is the best approach for now to remedy the issue. I have authorized them to move forward based on the minimal labor cost. This is still on the schedule.

- We have been able to produce water through this plant effectively with the appropriate amount of sand in the filters.

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	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					0			0	0
	Sep					0			0	0
	Oct					0			0	0
	Nov					0			0	0
	Dec					0			0	0
Total		6,014,763	45%	8,117,539	55%	14,132,302	10,750,419	23.93%	39256	27
Comments: Jan suspected overflows of tank increased the discrepancy July water leak increased discrepancy										