

Forest View Acres Water District

Operations Report – May 2022

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Arapahoe Water Plant

- The plant effectively produced 61% of demand for May.
- Additional samples have been taken and sent to the lab for analysis.

Booster Pump Station

- The booster station has been operable without difficulty in May.

Distribution

- Monthly routine bacteriological sample taken and was absent for bacteria.
- We potholed the service line at the end of Rockbrook and while we did not find a pipe, we also did not find any pooling water. I am unsure if this is an actual leak or not as of this stage. I suggest we keep an eye on it or install a meter pit for that home where it taps onto the main line in Rockbrook.

Surface Water Plant

- The plant produced an effective 39% of demand in May.
- Completed monthly operations report (MOR) for state with no violations.
- The secondary filters need to have more sand installed as they continue to loose sand during backwash. The manufacturers rep has been contacted regarding maintenance on some of the valves that are not operating correctly. Valves have been ordered and a representative will come out to install when the parts are available,
- The new turbidimeter sensor unit wiper mechanism failed. The unit was sent back to HACH for warranty repair. We received the unit with the description that the sand from the filters is causing the failure. This was repaired at no cost.
- The new turbidimeter display unit stopped outputting signals needed for the treatment process. I was able to re-route some analyzers and wiring to allow the plant to function again.
- The backwash pond has been cleaned. We attempted to recover the sand that has washed out of the filters but this is a futile effort that is not economically viable.
- 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 not been able to produce water from this plant with the low levels of sand and increased turbidity due to runoff. More sand will need to be added and the valve fixed prior to putting the plant back online.

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					0			0	0
	Jul					0			0	0
	Aug					0			0	0
	Sep					0			0	0
	Oct					0			0	0
	Nov					0			0	0
	Dec					0			0	0
Total		4,526,735	52%	4,679,172	48%	9,205,907	6,777,667	26.38%	25572	18
Comments: Jan suspected overflows of tank increased the discrepancy										