

Forest View Acres Water District

Operations Report – February 2022

Prepared by Gabby Begeman -ORC Water Professionals

Arapahoe Water Plant

- The plant effectively produced 100% for February due to the frozen inlet at the SWTP.
- We have received the new chlorine sensor and will install it asap.
- We have had to replace the compressor at the AWP multiple times in February. All of the replacements have been due to product failure and under warranty.
- The lack of a compressor to run the valves at the AWP resulted in a low tank level. It was resolved with the installation of a new compressor.

Booster Pump Station

- The booster station does not run correctly with a low tank level. The PRV within the station opens at low tank levels. This does not allow for water to be pumped up to the tank but simply to recirculate within the station.
- Alarms present on this equipment allowed us to respond and close the valve to the PRV during the low tank period. We have since opened it again and resumed normal operations.

Distribution

- Monthly routine bacteriological sample taken and was absent for bacteria.
- Remote monitoring devices have been ordered for the PRV's. They will be installed asap.

Surface Water Plant

- The plant produced 0% in February due to the frozen piping coming from the inlet.
- 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. We will remove this unit this month and send in for service while the facility is down.

The chlorine analyzer has been ordered. We will install when it arrives.

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) |
|-------|-------|----------------------------|------------|----------------|------------|---------------------|---------------------|---------------------------|-----------------|----------------------------|
| 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 | | | | | | | | | |
| | Apr | | | | | | | | | |
| | May | | | | | | | | | |
| | Jun | | | | | | | | | |
| | Jul | | | | | | | | | |
| | Aug | | | | | | | | | |
| | Sep | | | | | | | | | |
| | Oct | | | | | | | | | |
| | Nov | | | | | | | | | |
| Dec | | | | | | | | | | |
| Total | | 0 | 0% | 3,038,460 | 100% | 3,038,460 | 2,312,223 | 24% | 49007 | 34 |