

▶ February & March 2020

## Operations Report

### February 2020 Water Operations

▶ **Flow:** Well 1b- 1,307,500 gallons Well 2- 3,950 gallons Daily Average= 45,086gallons Total= 1,311,450

▶ **110 Lundy Lane Leak:** At the end of the month while a district operator was doing rounds, they noticed water flowing down the edge of the road. Upon investigation, operators located the leak in the front yard of the property. Contact with the customer was attempted but no one was at the residence. The water was shutoff at the district valve and a message for left via voicemail to notify the customer of the situation and the water was turned off.

### ▶ February 2020 Wastewater Operations

▶ **Flow:** WWTP 6= 167,836 gallons Daily Avg: 5,414 gallons  
WWTP 7= 764,868 gallons Daily Avg: 24,673 gallons

▶ **Filter Media Replacement:** Operators replaced the sand media in the tertiary filters at WWTP 6. It was a tedious and dirty job. Operators had to remove 50 bolts from the two filters, which were all rusted and had to be removed with sockets and pneumatic tools. The old media was removed by hand using shovels until the filter housing was light enough to be removed from the plant. After removal, the housings were rinsed out of all old media. New bolts and media were ordered through our local Ace Hardware. Once supplies were received, operators put in the media and reassembled the vessels. But this was not without some setbacks. The vessels have gaskets that must be in place properly for the adjoining pieces to seal with no leaks. After a few attempts, operators were able to get the gaskets seated properly and return the filters to operation.

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▶ **Collection System:** Operators took a measuring wheel and physically walked Area #2 of the collection system. Area #2 includes Sequoia Circle, Cottonwood Drive, Jacks Court, and small sections of Evergreen Circle, Poplar Valley Road and Cedar Lane. These measurements were done to verify the linear footage of the collection system in that area for the cleaning that will take place in April by Underground Video Technologies. Area #2 has 7,500ft of collection system main.

Area #1 was also measured in the same manner to verify the footage as well. This area includes the Unit 6 condos on Ponderosa Drive and Aspen Circle and a section that runs down East Ponderosa. Area #1 has 4,000ft of collection system main.

As part of the assessment of Area #1/Unit 6; cleanouts for all the dwellings were inspected. Numerous cleanouts were found to have broken or missing caps. These broken and missing caps can lead to unnecessary excess water entering the collection system and being processed by the treatment plant. Operators replaced any cap that was broken or missing.

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- ▶ **Kaeser Blower:** The drive motor for the Kaeser blower at WWTP 7 has been replaced; the motor itself cost \$4,307.55 The technician was on site for two days doing the replacement. The blower has been operational and online since the repair. The second blower will need to have the bearings assessed by the technicians from Kaeser as a preventative measure, so the district does not experience another issue with the blower and getting proper parts and service in a timely manner.
- ▶ **Misc.:** Operators experienced technical difficulties with the auto dialer located in the operations office. The dialer is responsible for calling the operator who is on-call if there are any alarms at the treatment plants or the wells. Sierra Controls was notified and sent a technician to the office; the issue was fixed in a couple hours.
- ▶ March Water Operations
- ▶ **Flow:** Well 1b= 1,409,000 gallons Well 2= 2,800 gallons Daily Avg= 45,452 gallons Total = 1,411,800 gallons
- ▶ **Fire Hydrant @ Madora Lake Road & Timber Ln:** On March 15<sup>th</sup> during the big snowstorm we received, the county snowplow hit the fire hydrant located on the corner of Madora Lake Road & Timber Lane. The county plow truck driver notified the on-call operator who was in district doing snow removal himself about the incident. Fire Chief Munsen was notified by operators that the hydrant had been hit and would be out of service until a repair can be made. Once the repair is made, the district will put in a claim to the county for payment of the repair.
  
- ▶ March Wastewater Operations
- ▶ **Flow:** WWTP 6= 191,261 gallons Daily Avg= 6,170 gallons  
WWTP 7= 934,475 gallons Daily Avg= 30,144 gallons  
Total= 1,125,736 gallons
- ▶ **WWTP 6 Communication:** On a Sunday night/Monday morning a district operator received an alarm call for a communication issue at WWTP 6. The operator who responded could identify what the issue was with the communications. The following morning, operators contacted Sierra Controls and explained the issue. Sierra Controls technician was on site that day to troubleshoot the issue. Upon his investigation, it was found that the radio that transmits data had failed and was not communicating with the system located in the operations office. Sierra Controls was able to replace the radio and communication was reestablished.
- ▶ **Misc.:** Operator took a training course in Distribution in preparation for his upcoming state examination. Due to the COVID-19 crisis, his exam was canceled by the state. He will not be able to take that exam until the fall.  
During the week of March 16<sup>th</sup>, operators spent most of the week doing snow removal of all district roads, facilities and fire hydrants.