

Forest View Acres Water District

Operations Report –October/November 2011

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ORC LLC

Treatment Plants:

Arapahoe Water Plant:

- We have not had to use the well very much.
- See the graphs section of the production report for detailed data on water production by type and by year.

Surface Water Plant:

- The surface plant has been running fine and handling the majority of demand.
- The propane company has replaced the propane tank at the SWTP. We ensured the pilot light stayed light stayed on to prevent any damage from freezing.

Distribution system

PRV Pits

- The annual inspections and repairs have been made to all PRV pits. There is a PRV pit on Red Rock Ranch Rd adjacent from the booster station that shows up on the old maps, but not on the new as the old maps indicated that PRV pit had been abandoned. This pit is currently in use as a means to deliver water to Red Rock Ranch Dr. It appears that water was routed that direction when PRV #1 was taken offline due to leaks on control piping.

Roadways

- Kempton has repaired a 6" depression in the asphalt on Rangeview Rd that we brought to their attention. This depression more than likely occurred due to incomplete compaction in that area of the new transmission line. See attached email for our records.

Service Lines

- We had a major break on the service line to 18505 Clovenhoof that began at 7pm Thanksgiving night. The service line has had numerous breaks in the last couple of years and is most likely the cause of the 1.35 MG discrepancy between the red barn meter and the three homes on that main line that Brenda alerted us about months ago. We confirmed with Penny Nevins that there had been at least 7 leaks on that line in the last 6

months. Due to the new PRV installed in the red barn meter pit, a major leak on this service line has resulted in the loss of pressure in other areas of Clovenhoof and Rockbrook Rd. Residents had reduced or nonexistent pressure from 7PM on Thanksgiving night to 9AM Friday morning when we finally found and isolated the leak. Based on our recorded chart data, we approximate 65,000 gallons were lost via this leak.

- As promptly as the homeowner fixed the Thanksgiving leak, another one occurred on the following Tuesday, resulting in the same nightmare, but was isolated much quicker resulting in fewer complaints of low to nonexistent pressure in the other areas of the distribution system.
- The homeowner has completely replaced the faulty portion of this service line, equating to about half of the distance based on conversations that the other half had been replaced at some point in the past.

Storage Tank

- We found that the new topcoat of the liner on the inside of the tank is peeling off. Norvell Construction has come out to inspect the tank and will be making repairs to the coating when both schedules allow. This will occur sometime after the new year.

Vista View Mainline Extension and Loop

- 550 LF of 6" mainline has been installed and high chlorinated. We will be performing the pressure test when temperatures allow.

Maps

- We are compiling a long list of updates to the maps.

Capital Improvement Projects

Master Meters

- We have installed 2 of the ultrasonic meters on MM pit for Zone 1 (from the tank) and in Zone 3 (Sundance and Shilo Pines) with mixed results. We need to collect more data for at least one month to determine if the meters are accurate.
- See the CIP spreadsheet for completion status and associated dependencies.

SWTP

- I have approached Applied Ingenuity with the idea of having them subcontract the PLC work with Golder and Associates. We should see a revised quote for the total project soon.