Forest View Acres Water District

Operations Report –May/June 2012
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Treatment Plants:

Arapahoe Water Plant:

- We have found the cause of the undercurrent faults at the AWP. We may be able to apply a fix with changes in programming of the PLC. We will attempt to do so when Golder installs the HMI at the AWP.
- We have had extreme decrease in the production of the AWP. We are down to 30% of normal capacity.
- Parts are on order to replace the well pump, lower the pump by 200' and install a depth to water gauge that will be trended by the PLC and displayed on the HMI. All of this information will be used in the future to predict well pump failures prior to failure occurring.

Surface Water Plant:

- The majority of the upgrades to the SWTP have been completed.
- All and all it works really well, if only we had water to process.
- Jeff with Golder will be here tonight to install the pressure sensor and program the PLC to operate the plant on pressure.

Distribution System:

Production vs Usage:

- Please see the attached spreadsheet for usage and production.
- We had a perfect storm in terms of our inability to produce water during the later part of June.
- With increased temperatures, dry weather and a limited ability to produce water, we had to institute outdoor watering restrictions to prevent draining the storage tank completely and loosing pressure in the system.

Leaks

- We have been completely proactive in searching for leaks throughout the district during the period of concern. We have had a leak detection service testing lines of concern. Two areas of interest were found. One leak was fixed by J&K and the other turned out to be 2 toilet leaks within a residence, which were brought to the homeowners attention.
- A new valve was installed on Sunburst and Pike View Way after digging to try to determine if the ground area was sinking due to a leak, or simply due to compaction.

- A new master meter was installed on the 2″ spur to Clovenhoof and The Villas. This meter has helped us track the usage within that zone, which is prone to leaks. We have been able to determine that usage is normal. The meter will also help us to locate a leak in the line crossing the creek, if one were to spring up.
- A potential leak was dug near Vista View and Range View. A pipe was never found in the area of the pooling water. A pipe was found and capped in the vicinity where previous rouge 2″ PVC pipes had been run in the past.
- An emergency connection to Palmer Lake WD was established on 6/23 due to the complete failure of the well and a dropping tank level. This connection was approved by the CDPHE, Palmer Lake Officials and has been operating for the last 5 days without a mishap. Please see the attached spreadsheet for usage from Palmer Lake, production from SWTP, tank level and estimated demand.