Forest View Acres Water District

Operations Report –October/November 2013
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ORC Water Professionals

Arapahoe Water Plant

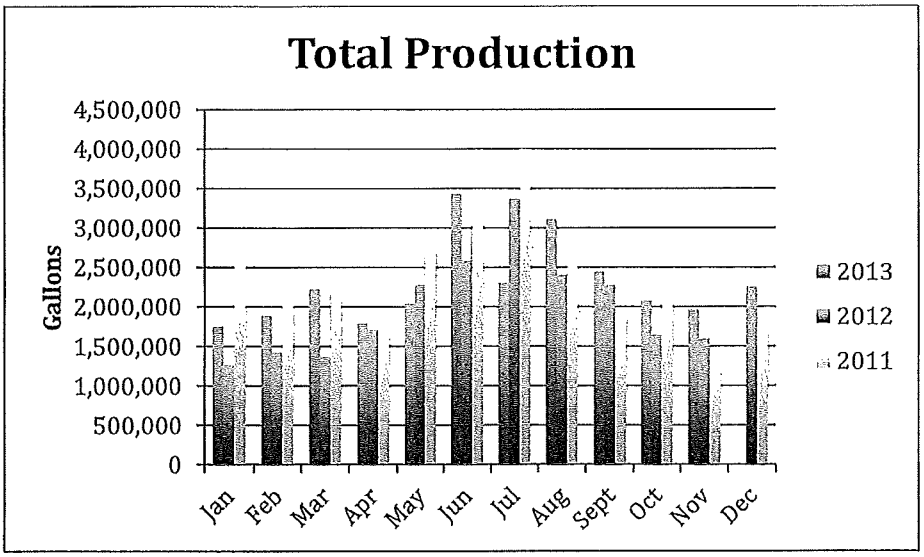
- The surge protection and VFD filter has been installed on the incoming power and VFD to the well.
- A leak in the PVC/galvanized piping from the well has been repaired by R&D Plumbing.

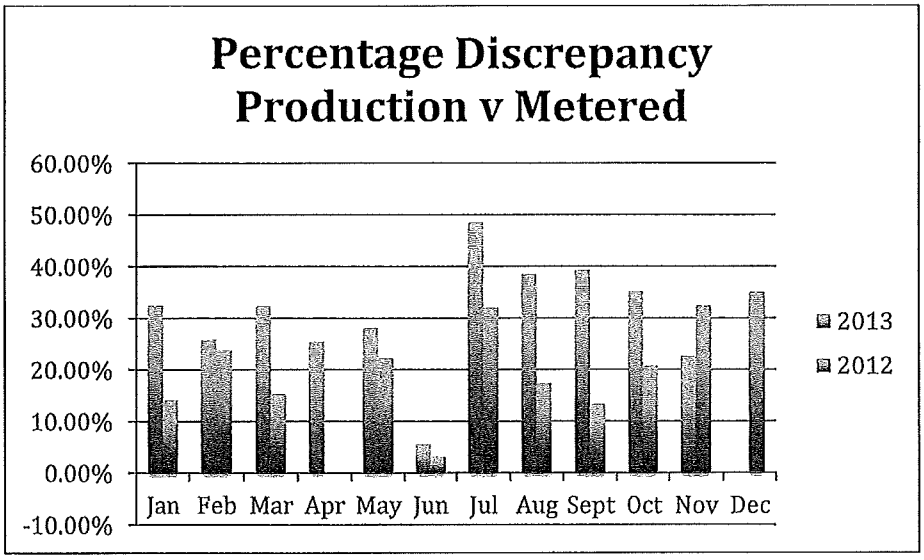
Surface Water Plant

- The turbidimeter required some repair parts. They have been installed.
- A new turbidimeter has been purchased and installed which will allow us to monitor the raw turbidity, the combined filter turbidity and each individual secondary filter vessel.
- 80% of our water production has come from the SWTP in November.
- The bypass valve has been installed and will fail open in the event of a plant shut down or power outage.

Distribution System

- On November 1st and 3rd, the majority of the districts hydrants were flushed, inspected and tested for chlorine residual, turbidity and observed flow. We made a judgement call to perform systematic flushing of all the hydrants to get a baseline flush and collect data on operability of the current hydrants. We also decided to do this based on the ample volume of surface water available to replenish the loss of water through flushing.
- We used approximately 262,500 gallons in our thorough flushing.
- We found most of our hydrants are operable, with only a few that need attention.
- All hydrants that require lubrication were lubed and a log of all work is attached.


Total Production
Gallons
4,500,000
4,000,000
3,500,000
3,000,000
2,500,000
2,000,000
1,500,000
1,000,000
500,000
0
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sept
Oct
Nov
Dec
2013
2012
2011


Percentage Discrepancy
Production v Metered
60.00%
50.00%
40.00%
30.00%
20.00%
10.00%
0.00%
-10.00%
Jan
Feb
Mar
Apr
May
Jun
Jul
Aug
Sept
Oct
Nov
Dec
2013
2012