

Forest View Acres Water District

Operations Report –December 2013/ January 2014
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Arapahoe Water Plant

- The well has run minimally during December.
- An inline oil/water separator filter was installed on the air-line for the valves.

Surface Water Plant

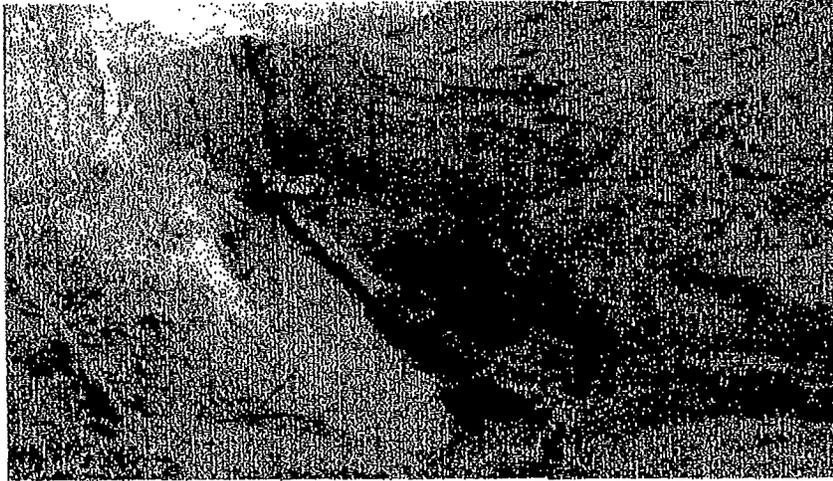
- The plant has been producing the majority of demand for the system.
- On January 18th and again on January 22nd, we received an alarm that indicated that the creek was drying up. We were able to open the bypass valve fully and get a stronger flow after letting it run for 30-45 minutes. It appears that the pipe is trying to freeze and closing off the amount of water we are able to draw. We are looking for ways to remedy this.

Distribution System

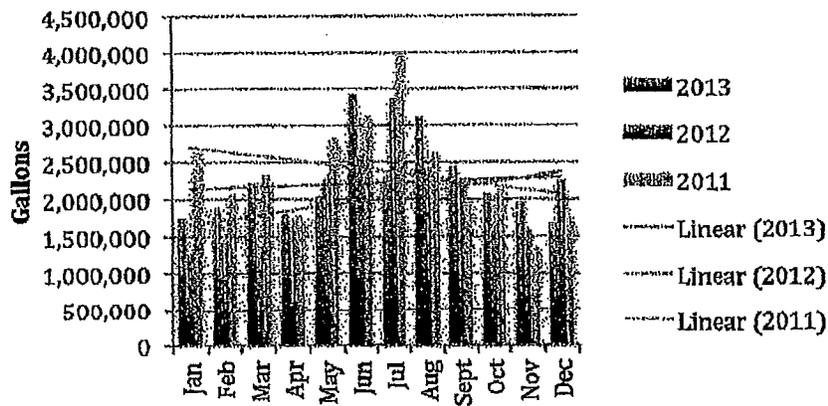
- On January, 15th a water main break at 18230 Forest View Rd drained approximately 160,000 gallons out of the tank. Please see the photo of the pipe. The tee has been removed and the pipe capped as the NC valve was leaking.

Annual Summary

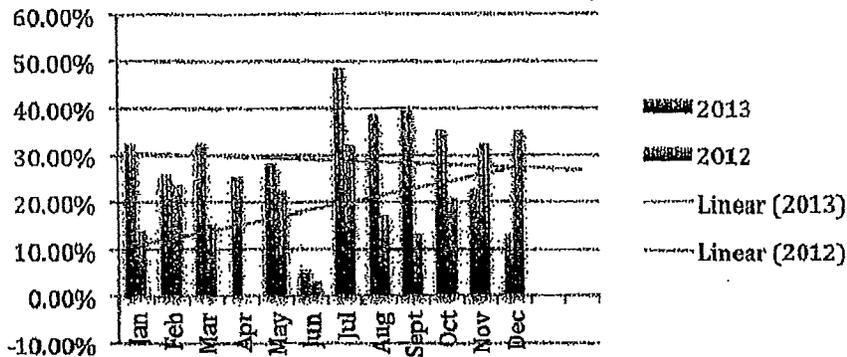
- Please see the attached summary of operations events for 2013. We will plan on completing one of these every year as a record of the years events.



Total Production



Percentage Discrepancy Production v Metered



Forest View Acres Yearly Summary Report 2013

January

- The inlet pipe froze.
- Tank level communication failures occurred.

February

- Both treatment plants were cleaned and any unused, old materials were thrown out.

March

- The tank ran empty due to a chlorinator failure and auto-dialer malfunction.
- Blowoff valve at the AWP was rebuilt.
- Booster pump valves were adjusted.

April

- The air compressor was replaced at the AWP.
- Air relief valve was installed at SWTP.
- A leak was fixed on Clovenhoof.
- A leak was fixed on master meter #4.

May

- The inlet thawed.
- A leak was found in a house on Range View.

June

- The well pump failed and was replaced.
- The PLC was tweaked to make operations more consistent at the SWTP.
- Significant main line leak on Forest View Road.
- 3 valves were replaced on Aspen way and Forest View that were inoperable.

July

- The 20 HP booster pump at the booster station was replaced after a failure.
- A leak was found and fixed in the inlet piping near the inlet.
- A break was fixed on Clovenhoof.
- A break was fixed on Rockbrook.

August

- The camera disappeared from the inlet. We got photos of hikers and wildlife, but no direct tampering with the inlet.

September

- Some piping was replaced at the SWTP, the PRV was moved further upstream and solenoid valves were installed to shut off water to turbidimeters with plant shut down.
- PLC was enhanced to provide more operator control over the chlorine pacing at the SWTP.

October

- Surge protection was installed at the AWP, SWTP and Booster station.
- A leak in the galvanized piping from the well to the filters was repaired.

- A fail open electric bypass valve was installed and tested on the raw water line at the SWTP to prevent the line from freezing.
- A new turbidimeter was installed at the SWTP.

November

- A vast majority of the hydrants in the distribution system were flushed, checked for operation and documented as such.

December

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