

## Forest View Acres Water District

Operations Report –May/June 2014

Prepared by Gabrielle Begeman  
ORC Water Professionals

### Arapahoe Water Plant

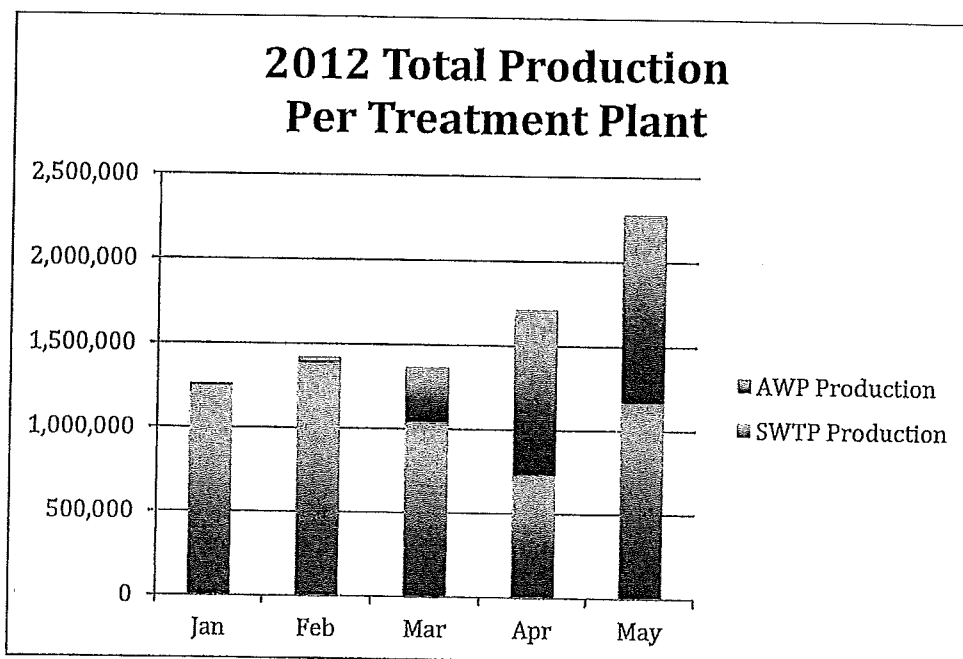
- The plant has had a few upsets with the booster station failing to come on when required. This resulted in a water loss of approximately 600,000 gallons.
- The plant has been operating daily to keep up with the demand of roughly 90,000 to 130,000 gallons per day.

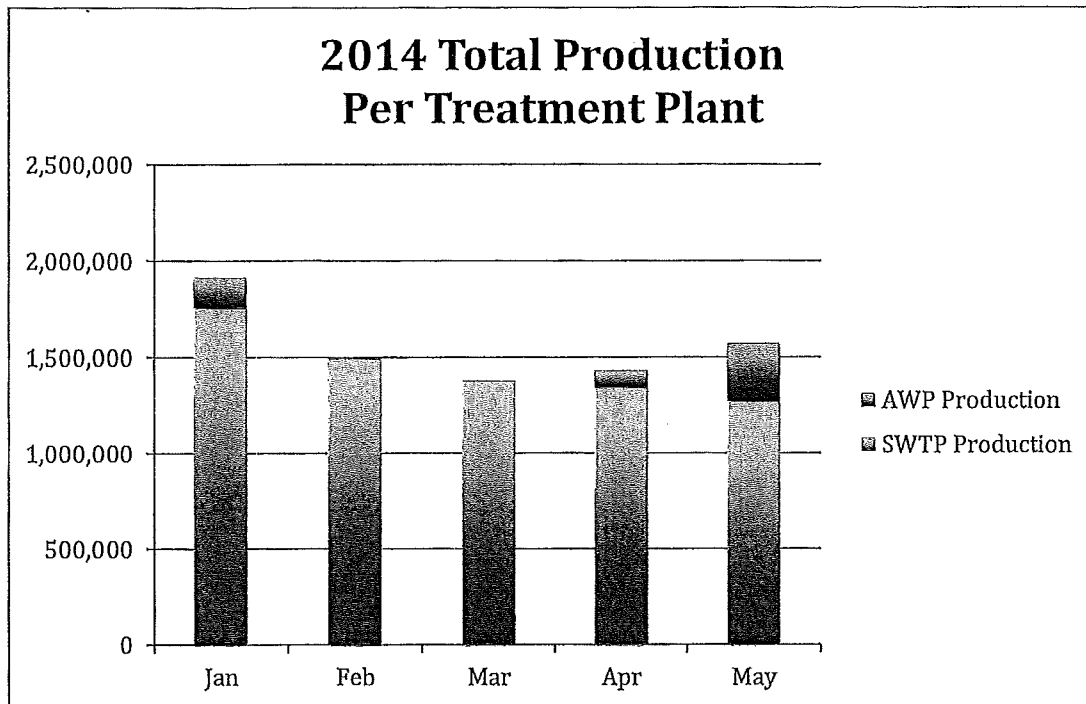
### Surface Water Plant

- The plant has been running consistently with no alarms.
- The turbidity has been consistently higher due to the recent storms and continued runoff. Despite this, the plant is still producing a good portion of the daily demand.

### Total Production Charts

- Please see the following comparison charts detailing the production from each plant in 2012 versus 2014.





### Distribution System

- The typical spring time main break season seems to have started later in the year. We have had a number of main breaks and leaks, all of which are/were minor compared to some we have had.
- There are 2 valves at the intersection of Pixie Park and Limestone that have been repeatedly hit by plow trucks and/or scrapers. The valve boxes have been completely broken and will need to be dug up and replaced. Much of this road has either been eroded or scraped away, leaving our distribution line much closer to the surface than when it was built. I spoke to the county regarding them fixing the valves and building the road up to previous grade. They have no intention of taking responsibility for the valve boxes and do not have plans for bringing the road back to grade.
- We will begin putting together a comprehensive survey of the working order all valves in the system. From there we can prioritize a maintenance and repair/replacement schedule.

### ORC Services Menu

- Please see the attached services menu describing our capabilities and experience.

| Year  | Month | SWTP Production | SWTP Production - BW | % of Total | NWP Production | % of Total | Total Production | GPD Total Production | Total Home Metered Water Usage | Average Demand GPM from Meters | Average Demand GPM from Production | Site GPD Metered | Tank Level AWP | Gallons Gain/Loss In Tank | Gallons Meters with Tank Level Shift Loss or Gain | Percentage Discrepancy |
|-------|-------|-----------------|----------------------|------------|----------------|------------|------------------|----------------------|--------------------------------|--------------------------------|------------------------------------|------------------|----------------|---------------------------|---|------------------------|
| 2014  | Jan   | 1,782,610       | 1,759,510            | 92%        | 156,227        | 8%         | 1,915,737        | 63,858               | 1,101,800                      | 25.50                          | 44,345,764                         | 36,727           | 22.3           | 16,800                    | 1,118,600   | 41.61%                 |
|       | Feb   | 1,520,399       | 1,493,298            | 100%       | 6,829          | 0%         | 1,500,128        | 50,004               | 1,057,000                      | 24.47                          | 34,725,165                         | 35,283           | 23.5           | 8,400                     | 1,065,400   | 28.98%                 |
|       | Mar   | 0               | 802,700              | 100%       | 0              | 0%         | 802,700          | 26,757               | 0                              | 0.00                           | 18,581,019                         | 0                | 0              | 0                         | 0   | 100.00%                |
|       | Apr   | 0               | 0                    | #DIV/0!    | 0              | #DIV/0!    | 0                | 0                    | 0                              | 0.00                           | 0                                  | 0                | 0              | 0                         | -267,600  | #DIV/0!                |
|       | May   | 0               | 0                    | #DIV/0!    | 0              | #DIV/0!    | 0                | 0                    | 0                              | 0.00                           | 0                                  | 0                | 0              | 0                         | -282,000  | #DIV/0!                |
|       | Jun   | 0               | 0                    | #DIV/0!    | 0              | #DIV/0!    | 0                | 0                    | 0                              | 0.00                           | 0                                  | 0                | 0              | 0                         | 0   | #DIV/0!                |
|       | Jul   | 0               | 0                    | #DIV/0!    | 0              | #DIV/0!    | 0                | 0                    | 0                              | 0.00                           | 0                                  | 0                | 0              | 0                         | 0   | #DIV/0!                |
|       | Aug   | 0               | 0                    | #DIV/0!    | 0              | #DIV/0!    | 0                | 0                    | 0                              | 0.00                           | 0                                  | 0                | 0              | 0                         | 0   | #DIV/0!                |
|       | Sep   | 0               | 0                    | #DIV/0!    | 0              | #DIV/0!    | 0                | 0                    | 0                              | 0.00                           | 0                                  | 0                | 0              | 0                         | 0   | #DIV/0!                |
|       | Oct   | 0               | 0                    | #DIV/0!    | 0              | #DIV/0!    | 0                | 0                    | 0                              | 0.00                           | 0                                  | 0                | 0              | 0                         | 0   | #DIV/0!                |
|       | Nov   | 0               | 0                    | #DIV/0!    | 0              | #DIV/0!    | 0                | 0                    | 0                              | 0.00                           | 0                                  | 0                | 0              | 0                         | 0   | #DIV/0!                |
|       | Dec   | 0               | 0                    | #DIV/0!    | 0              | #DIV/0!    | 0                | 0                    | 0                              | 0.00                           | 0                                  | 0                | 0              | 0                         | 0   | #DIV/0!                |
| Total |       | 3,303,009       | 3,303,009            | #####      | #DIV/0!        | #####      | #DIV/0!          | 4,218,565            | 11,718                         | #####                          | 4.16                               | 3.14             | 5996.6657      | 0                         | #####   |                        |