A STATE OF CALIFORNIA PUBLIC AGENCY

QUAIL VALLEY WATER DISTRICT NEWS

March 30, 2018

New Water Mains Are In Service

During March, Quail Valley Water District requested a permit amendment from WaterBoards to allow the Eastside system to be supplied with water from the Montclaire well and for permission to place new water mains in-service. This permit amendment allowed us to coordinate with Apple Valley Construction Company connect the new mains to our existing facilities. With the tie-ins completed, we are now able to direct water from the Montclaire well to both the Eastside and Westside systems, allowing us to turn off the Umtali well, which exceeds State standards for Antimony and Fluoride, and the Pretoria well, which exceeds State standards for Arsenic. Both wells remain able to supply water again, if water demand exceeds the capacity of the Montclaire well. Because these wells could still be turned on, QVWD will continue to provide quarterly testing and notification to our customers regarding the Arsenic, Fluoride and Antimony levels.

Abundant Water Wells is currently drilling the second well at the Montclaire site. When the new well is complete, they will be cleaning the old well and replacing the pumping equipment. Once both wells are finished and in operation, it is anticipated that we will no longer need the Pretoria and Umtali wells for our domestic water needs and they will be disconnected from the water system, permanently resolving the Arsenic, Antimony and Fluoride issues.

While this has been a long process, we appreciate everyone's patience with all of the construction activities .

Drilling New Montclaire well

Boil Water Notices Cancelled

Due to all of the broken water mains caused by paving of Umtali Road, the Westside system has been under a boil water notice for several months. In addition, a small portion of the Eastside system (8 houses) were also under a precautionary boil water notice for 2 weeks due to a water line that was broken while connecting the new water mains.

Because of the length of time that the Westside was under a boil water notice and the several water samples that tested positive for coliform bacteria, WaterBoards mandated that QVWD continuously chlorinate the water on the Westside. Once the chlorination equipment was installed and bacteriological testing indicated no bacteria present, WaterBoards cancelled both boil water notices and continued testing indicates that your water is safe to drink.

Why Do I Taste Chlorine In My Water?

- Chlorine is commonly added to drinking water to insure that harmful bacteria are not present.
- Chlorine is utilized because it's presence can be tested for with immediate results while testing for bacteria takes 24-48 hours.
- The maximum contaminant level for chlorine in drinking water is 4.00 ppm (parts per million).
- QVWD is adding chlorine at a rate of approximately 2.00 ppm which is resulting in a residual of between 0.50 ppm and 1.50 ppm at various locations throughout the water system.
- Chlorine reacts with organic matter in the water which reduces the amount of free chlorine in the water.
- Old water mains have a coating of iron that precipitated out of the water flowing through them. The chlorine oxidizes this iron back into the water which has caused some water to appear yellow/ orange. This condition should clear up as the iron is flushed from the system.