

**Water Department**  
**May, 2016**  
**Monthly Report**

Operational

1. The plant operated throughout the month and complied with all state and federal requirements for water quality and reporting.
2. All distribution system flows and pressure needs, for both fire protection and the water customers, were met.

Maintenance and Improvements

1. The staff performed all required preventative maintenance during the month.
2. Elkhead work by the staff this month consisted of routine maintenance and inspections. The entire month of May the discharge release rate at Elkhead was at the maximum rate, and even so the reservoir still spilled (water went down the spillway) for a large portion of the month. The annual dam inspection by the state engineer was done this month. There were no significant deficiencies found during this inspection.
3. SGM continued working with the staff this month on various water and wastewater projects. The Lariat Lift Station replacement project got under way, a preconstruction meeting at the new East Kum & Go site was held, and the Barclay and Sandrock Tank repair project start date was postponed until June due to revisions in the scope of work to be done for this project. Also, more 1<sup>st</sup> phase bench testing for the water quality testing study was completed this month.
4. Phase 3 of the Shadow Mountain Project continued this month. The water department staff's work this month included installing overland water services in the second block of Sequoia, and completing the water quality testing on the new water main on Sequoia from 9<sup>th</sup> Street to Willow Street.
5. Both the South Glen Erie and the Roundbottom Tanks were disinfected, refilled, and put back in service early in the month after SGM completed the 5 year structural inspections on these 2 tanks to determine if there were any deficiencies that needed repaired.
6. A few of the staff attended training classes during the month. These classes included water main fusing HDPE pipe, pressure reducing valves, air relief valves, and on-line analyzer equipment calibration, repair, and maintenance.
7. The annual Consumer Confidence/Water Quality Report was completed near the end of the month, and was posted for the public to review on the city's website.
8. Finally, throughout the month the staff assisted or worked with other city departments, vendors, customers, and contractors as needed. The staff continued to work on building & grounds maintenance, equipment repair, and the cross connection control program.

### Distribution System Operation/Maintenance

1. All service lines and water mains were located and marked as required. There were 6 line locates required and completed this month.
2. All work orders, and service line inspections requested or scheduled were completed.
3. The annual fire hydrant flushing program on the east side of the city was completed this month. The staff flushed a total of 34 fire hydrants during the month.
4. The valve exercising program was worked on by the staff this month with 14 valves being exercised.
5. The staff repaired 1 water main break on Baker Drive this month.
6. Service line issues completed this month by the staff included replacing 1 curb stop riser.
7. The West Barclay Tank was taken out of service and drained by the staff this month in preparation of the tank repair project which started early in June.
8. Finally, the staff continued to assist other city departments and contractors as needed. The staff removed the malfunctioning MCC panel at the 10<sup>th</sup> & Legion pump station this month. A new MCC panel was ordered and is presently being installed. This pump station will remain out of service until the new MCC panel is installed/set up.

**Note:** The staff was able to perform their regularly scheduled maintenance this month. They were able to assist contractors, and complete all emergency assignments as required.

### Water Production Statistics

05-01-16 to 05-31-16

Effluent Total Flow	= 39,177,000 gallons	Total Chemical Cost	= \$13,149.34
Backwash Total Flow	= 1,070,900 gallons	Total Chemical Cost/Mg	= \$ 326.71
Total Flow	= 40,247,900 gallons	Alum & Ash Cost/Mg	= \$ 200.15

(Backwash Flow % of Total = 2.73%)

The Craig Municipal Water Treatment Plant utilizes water rights for municipal use. These included direct flow diversions from the following:

Craig Irrigation Ditch  
Fortification Creek Ditch

Deep Cut Ditch  
Craig Water Supply System