

**Water Department
February, 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 River District came in near the middle of the month to do the tower inspections of the valves, shafts, and couplers. QualCorr also came in to repair the cathodic protection system for the tower valves. It took 2 days to complete the inspections and repairs. The water department assisted in this work as needed.
3. The Pineridge Tank was disinfected, refilled, the water quality tested, and after acceptable water quality test results the tank was put back in service on 2-15-16.
4. SGM continued to work with the staff on other engineering projects for the city. This included updating the water & wastewater master plans, updating the public works manual, and design work to replace the Lariat Lift Station.
5. Several of the water and wastewater department staff went to various training courses in the water and wastewater field during the month. Also this month, a few of the water and wastewater staff went to take the state certification exams for water distribution, and/or wastewater treatment. The majority received passing scores.
6. Solomon Corp came in this month to pick up the old wastewater plant transformers to recycle/refurbish.
7. The staff continued working on various annual reports for the health department throughout the month.
8. Universal Inspection Services came back this month to complete the annual crane and hoist inspections at the water plant.
9. 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/snow removal, 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 3 line locates required and completed this month.
2. All work orders, and service line inspections requested or scheduled were completed.

3. The staff reset the computers/control panels, and performed maintenance and repairs to equipment at all bulk water sales stations this month.
4. The valve exercising program was worked on by the staff with 8 valves being exercised this month.
5. The staff repaired 4 water main breaks that had occurred during the month.
6. Service line issues completed this month by the staff included replacing 1 curb stop riser, excavated and thawed out 1 frozen service line to the main, and installed 1 new one inch water service tap for the new county shop at the fairgrounds.
7. Finally, the staff continued to assist other city departments and contractors as needed. The staff cleaned the shop, office area, vehicles, performed minor repair and maintenance work on various shop equipment, and finished security camera system repairs/additions at the north bulk water sales/recycle area and at the water plant.

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
02-01-16 to 02-29-16

Effluent Total Flow = 30,188,000 gallons	Total Chemical Cost = \$ 3,622.98
Backwash Total Flow = 957,000 gallons	Total Chemical Cost/Mg = \$ 116.33
Total Flow = 31,145,000 gallons	Alum & Ash Cost/Mg = \$ 81.36

(Backwash Flow % of Total = 3.07%)

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