

Water Department
January, 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.
3. MMI Tank came back in mid January 2016 with more equipment to clean the Pineridge Tank interior walls properly, and to repair some areas on the floor where the paint had been chipped off. All of this was completed by the end of the month, and now the paint will have to cure for about 2 weeks before the tank can be disinfected, refilled, tested, and put back in service.
4. SGM work this month included bid opening/review for the Shadow Mountain Project (phase 3), and they continued to work with staff on other engineering projects for the city such as updating the wastewater master plan and public works manual.
5. The staff found out this month that CDPHE has finally issued written approval of our UV accreditation request. Presently, they still have to develop a monthly report for us to fill out so we can show compliance with the UV operational monitoring requirements before we actually start receiving a UV disinfection credit.
6. The water plant and distribution staff replaced the valve seats and repaired the valve actuators on three valves for the #1 filter. These valves had not been closing all the way.
7. The #3 high service pump was taken out of service, removed, and sent in to a repair company for a complete rebuild of the pump and motor.
8. The staff started working on various annual reports throughout the month. They included various operational reports required by the health department as well as completing inventories and other reports for the finance department.
9. Universal Inspection Services came in this month to do the annual crane and hoist inspections for the water and wastewater departments. Every crane, hoist, and trolley tested out fine, with only the bucket truck needing some repairs for safer operation.
10. 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 4 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 greased the loading arms at all bulk water sales stations this month.
4. The valve exercising program was worked on by the staff with 7 valves being exercised this month.
5. The staff repaired 3 water main breaks that had occurred during the month.
6. The staff attended two training classes this month. One was on Kenney valves, and the other was on excavation safety.
7. The staff installed the new pump and motor on the vacuum trailer this month.
8. 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 worked on 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

01-01-16 to 01-31-16

Effluent Total Flow	= 31,753,000 gallons	Total Chemical Cost	= \$ 3,860.04
Backwash Total Flow	= 1,054,000 gallons	Total Chemical Cost/Mg	= \$ 117.66
Total Flow	= 32,807,000 gallons	Alum & Ash Cost/Mg	= \$ 71.16

(Backwash Flow % of Total = 3.21%)

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