

**ADDITIONAL WATER RIGHTS ACTIONS
FOR
JACKSON SPRINGS WATER TREATMENT FACILITY**

The new Jackson Springs Water Treatment Facility requires additional water to meet its design capacity. Presently the existing Jackson Springs/Cleghorn Springs pump station has water rights for 11.35 cubic feet per second (7.33 million gallons per day (MGD)). The new Jackson Springs Water Treatment facility will have a firm production capacity of 12.38 cubic feet per second (8 MGD) and a maximum pumping capacity of 16.43 cubic feet per second (10.6 MGD). Review of the City's existing Future Use Permits for surface water from Rapid Creek showed that there are adequate quantities of water available from the existing water permits to meet the additional water needs of the Jackson Springs Water Treatment Facility.

Currently four Applications for Permit to Appropriate Water are needed to ensure an adequate volume of water is available for the operation of the Jackson Springs Water Treatment Facility:

Cleghorn Springs – Permit No. 504-2

This permit application requests a change in beneficial use of the water on the existing Cleghorn Springs water permit from Domestic Household Use to those beneficial uses the City currently provides to its water customers. The new beneficial use will include Municipal, Rural Water System, Domestic, Suburban Housing, Commercial and Industrial Uses.

The Cleghorn Springs water right was obtained through an exchange with the Cleghorn Springs Water Users Association when their water users connected to the Rapid City water system.

The Cleghorn Springs water right claims 0.89 cubic feet per second with a priority date of January 1, 1877.

Jackson Springs – Future Use Permit No.439-2

This permit application claims the remaining 2.29 cubic feet per second reserved in Future Use Permit No. 439-2. The original claim was for 5.0 cubic feet per second of Rapid Creek water with a priority date of September 22, 1956. The City had been using 2.71 cubic feet per second at the Jackson Springs Pump Facility until it was shut down. The City is required to release water from Pactola Reservoir during the irrigation season as replacement water for the volume of water used from this permit.

Rapid Creek – Future Use Permit No. 1088-2

This permit application claims 2.77 cubic feet per second reserved in Future Use Permit No. 1088-2. This permit is for surface water from Rapid Creek with a priority date of June 28, 1971. The water will be diverted at the new Intake Structure for the Jackson Springs Water Treatment Facility. The City is required to release water from Pactola Reservoir during the irrigation season as replacement water for the volume of water used from this permit.

Additional Diversion Point for Permit No. 2138-2

This permit application is for an additional diversion point at the new Intake Structure for the Jackson Springs Water Treatment Facility. The present diversion point for this permit is at the Mountain View Water Treatment Facility. The additional diversion point at the Jackson Springs Intake Structure will allow the operators of the City's water utility more flexibility in meeting and managing the daily water demands within the City water system.

Permit No 2138-2 claims 12.38 cubic feet per second (8.0 million gallons per day) and has a priority date of June 28, 1971. The City is required to release water from Pactola Reservoir during the irrigation season as replacement water for the volume of water used from this permit.

Requested Action

Authorize Mayor as signatory for Applications for Permit to Appropriate Water as required for the Jackson Springs Water Treatment Plant and Mt. View Water Treatment plant projects.