

SILOAM SPRINGS WASTEWATER TREATMENT FACILITY

The primary goal of the Wastewater Department is to treat wastewater in accordance with federal, state, and local regulatory requirements in order to protect the environment for the City and the surrounding area.

Construction

Construction to upgrade the Wastewater Treatment Facility began in 2009 and was completed in 2012. This upgrade replaced the plant's trickling filter system with a more innovative secondary treatment system that is capable of conducting biological nutrient removal. This new system allows our facility to meet any current or future nutrient removal guidelines.



Benefits to Residents

The upgrade will help prolong any rate increases due to expansion of the wastewater treatment facility.

The New System

The new system is a biological nutrient removal (BNR) process that includes primary and final clarification. Treated wastewater is disinfected using sodium hypochlorite. De-chlorination uses sodium bisulfite before the water is discharged to the stream. The solids handling process consists of primary and waste-activated sludge thickening, aerobic digestion, and de-watering via a belt filter press. The de-watered solids are then taken to the landfill.



Facility Functions

The purpose of the Wastewater Treatment Facility is to treat all received wastewater. Once the water has been treated, it is discharged into Sager Creek for recreational use. The facility is designed to treat 5.3 million gallons per day.



For more information about the Wastewater Treatment Facility or the Siloam Springs Water/Wastewater Departments, please contact us at 479-238-0921.