

Sallisaw Creek Watershed Dam No. 26 Rehabilitation Project Adair County, Oklahoma

Fact Sheet
January 2014

History of the Dam:

Sallisaw Creek Watershed Dam No. 26 is located one mile northeast of Greasy, Oklahoma, in Adair County. The dam was constructed in 1967 by the Adair County Conservation District with the assistance of the Oklahoma Conservation Commission and the USDA Natural Resources Conservation Service (NRCS) Watershed Protection and Flood Prevention Program.

The dam is one of 34 dams constructed in the Sallisaw Creek Watershed Project. The dams provide over \$2.7 million in annual benefits to citizens in the watershed.



A parapet wall was constructed across the top of the dam embankment during the rehabilitation project to raise the top of the dam to the designed elevation.

Why Rehabilitate the Dam?

The dam was originally designed as a significant hazard dam with a 50-year design life. It was reclassified as a high hazard dam due to changes in hazard criteria and changes in land use downstream.

The dam's age and current high hazard dam safety criteria triggered its rehabilitation in 2012-2013.

Partners:

Adair County Conservation District
Oklahoma Conservation Commission
Natural Resources Conservation Service

Rehabilitation Plan Details:

Roller compacted concrete was installed on the inside spillway dikes and the floor of the left spillway; a new principal spillway inlet tower and conduit were installed; and a concrete impact basin was constructed.

One of the more unique features of the project was the installation of a parapet wall across the top of embankment. The wall was the first of its kind to be constructed on a NRCS-assisted flood control dam in Oklahoma. The parapet wall was constructed to raise the top of embankment to the designed elevation in lieu of conventional earth fill which was not available at this location. The wall is 772 feet in length and 15 inches wide. The total height of the wall is 7'9" of which only 2'8" are above ground.

Project Cost:

Rehabilitation of the dam cost \$3,549,151. The NRCS provided technical and financial assistance with the rehabilitation project funding 65 percent of the design and construction cost. Local project sponsors provided 35 percent of the funding through State appropriations to the Oklahoma Conservation Commission Watershed Rehabilitation Program. Construction on the project was completed in June 2013.

Benefits:

Rehabilitation of the dam extends the life of the dam and its benefits for another 100 years and provides additional protection for houses, businesses, and many roads and bridges downstream. The rehabilitation project not only provides direct benefits to the immediate area, but also provides resource conservation, economic benefits and public safety benefits that extend well beyond that area.

For More Information Contact:

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