

Water Treatment Plant Improvements McCurtain County Rural Water District No. 8 McCurtain County, Oklahoma

Poe & Associates, Inc.

Construction Cost: \$7.03M

Completion: 2011

Description: Poe & Associates was hired by the Oklahoma Department of Environmental Quality to first complete a pilot plant study for the use of a microfiltration system in McCurtain County. After this study was approved by the Department, Poe then continued the project to the next phase, which included the design of a new water treatment plant for this large water district in southeast Oklahoma. The project consists of a new membrane filtration water treatment plant, new above ground clearwell, new 16 inch diameter transmission line, a new 30 foot diameter by 100 foot tall, welded steel standpipe, two new booster pump stations, and modifications to an existing booster pumping station.



The new water treatment plant includes a new raw water intake structure, new flow splitting structure, new flocculating clarifier, new treatment building with membrane filtration units and carbon filters, new high service pumps, new sludge holding lagoon, and sludge removal and disposal from existing lagoons.

Project Team: Robert Williams, PE (Principal-in-Charge)
Glen Byrd, PLS (Project Manager)

Reference: Dale Pratt, Chairman
McCurtain County Rural Water District No. 8
Rt. 4, Box 7
Broken Bow, OK 74728
Ph: 580.584.2918
Email: chiggerhill10@hotmail.com

