



Prime Contractor Experience

Heeter Construction, Inc.

Pine Creek Modification of Dam & Outlet Works McCurtain County, Oklahoma



SCOPE OF WORK

The Pine Creek Dam originally became operational in 1970 with a 7,510' long and 124' high earth fill embankment. The outlet works include an intake structure, 13-foot diameter conduit, a 48-inch water supply and water quality bypass, and a 36-inch water supply static head line. Flow through the conduit is controlled by two 5' 8" by 13' hydraulic slide gates operating in tandem. The dam has been given a Dam Safety Action Class (DSAC) rating of 1 – extremely high risk – as a result of seepage and piping along and into the outlet conduit.

The major items of work in the rehabilitation of the dam include installation of the following:

- Temporary work platform
- 125-foot long cutoff wall,
- 48-foot long new chimney filter,
- 4-foot diameter void filler piles,
- 110-foot wide downstream invert filter, and
- 550.5-foot long, 12-foot diameter steel conduit liner.



Pine Creek Modification of Dam & Outlet Works (continued) McCurtain County, Oklahoma

NOTABLE PROJECT SPECIFICS INCLUDE:

- Monitor, decommission, and replace piezometers
- Install and monitor inclinometers
- Unclassified Work Platform Earth Fill
- Cutoff Wall Piles – 1,519 sy
- Chimney Filter Piles – 617 sy
- Void Filler Piles – 1,047 lf
- Backfill for Chimney Filter / Void Filler Piles – 2,500 ton
- Downstream Embankment Excavation – 38,756 cy
- Downstream Invert Filter
 - Fine Filter Sand – 10,373 cy
 - 6-inch Spall Stone – 2,567 cy
 - Choker Stone – 25 ton
 - 30-inch Riprap – 2,047 cy
 - Random Fill – 38,050 cy
- Conduit Demolition and Surface Preparation
- Steel Liner Fabrication and Installation
- Contact Grouting at Steel Liner
- Dewatering; Erosion and Sediment Control, Clearing and Grubbing, Temporary and Permanent Seeding and Mulching, and Wetland Restoration.
- Pavement, guardrail, traffic control, and haul road maintenance and restoration.
- Data Management System for storage of data generated on the project with secure, continuous access and backup protection.

