

New Intake Screens – Lake Gordon Dam

Client: City of Cumberland, MD - Evitts Creek Water Treatment Plant

Cumberland Valley Twp., Bedford Co., PA

Year: 2020 Cost: \$900,000



Gwin, Dobson & Foreman designed a new screen system for Lake Gordon dam, a water supply reservoir for the City of Cumberland. GD&F proposed a passive fine screen system with air-burst cleaning to replace the 100-year old bar screens. The project included the following work elements:

- Installation of two (2) 36-in. dia. x 12.5 ft. long stainless steel fine screens in a “T” configuration.
- Since the reservoir could not be lowered, underwater construction involved core drilling and installation of watertight bulkhead fittings, knife gate valves and T-screens.
- Replacement of lake aeration system (while furnishing air to the pulsed air-burst system) consisting of new air compressors, 3-in. air supply line and 400-gallon air receiver tank.
- Gate house renovations, including electrical work, to accommodate air receiver tank, automated valves and air burst control panel

GD&F provided all required design phase services, permit acquisitions and bidding and construction administration services. GD&F observed the successful startup and commissioning of the screen operation and air-burst cleaning system.