



In 2005, Gilboa Dam did not meet New York's safety standards and was in danger of flooding the Schoharie Reservoir.

Gilboa Dam Emergency Repairs

Fultonham, NY

As part of an effort undertaken by the New York City Department of Environmental Protection (NYCDEP) to provide emergency repairs to the Gilboa Dam, Mueser Rutledge Consulting Engineers (MRCE) performed various geotechnical services. These included peer review of the geotechnical investigation performed to recover embankment soil samples and concrete and rock core to determine shear strength; a concrete degradation assessment; and a dam stability evaluation.

The firm also prepared conceptual cofferdam designs for construction of a low level outlet structure adjacent to the upstream face of the dam. The cofferdam will extend through 100 feet of water. MRCE evaluated construction methods for working under dry conditions by dewatering and under wet conditions by using divers.

Currently, the firm is providing construction support to the construction manager during the tiedown installation.