

Projects

Under contract to the U.S. Army Corps of Engineers (USACE), Sacramento District, ERRG constructed a new 1.5M gallon per day (MGD) microfiltration water treatment system to treat raw water from Lake Davis and provide the City of Portola with a dependable potable water supply.

Construction began in June 2008 and extended through startup and prove-out in April 2009. The project reused minor portions of existing plant facilities. The center piece of



the system included two membrane filtration systems manufactured by Pall Corporation.

The project site covers an area of approximately 10 acres and has a site elevation of 5,640 feet above mean sea level. The only portion of the project site that is paved is along the access

road. Existing facilities included a water storage tank, a carbon filtration unit, a storage building, a filter building, two pressure filters, and two wastewater recovery ponds.

The primary task on this project was the construction and startup of a 1.5M gallon per day microfiltration water treatment system within a new pre-engineered steel building. Work activities involved demolition and removal of existing buildings and piping (above and below ground); construction of two buildings; installation of piping (above and below ground), tanks, and pumps; cleaning and interior recoating of existing tanks; installation of electrical wiring; earth moving; excavation and construction of concreted-lined basins; construction of a modular concrete retaining wall, and grading and re-graveling of an existing access road. Additional work, after construction of the treatment system, included installation of a sprinkler irrigation system, hydro-seeding, and system startup and operator training.

Lake Davis Water Treatment Plant Improvement Project

SUMMARY

Owner

U.S. Army Corps of Engineers (USACE), Sacramento District

Location

Plumas County, CA

Award Date

December 2007

Actual Completion Date or Projected Completion Date

April 2009

Award Amount

\$4,830,006

Final Contract Price

Ongoing

Services Provided

Project Plans
Site Clearing and Grubbing
Demolition
Process Tank Refurbishing
Pipe Removal and Abandonment
Pipe Installation
Concrete
GeoGrid Installation
Retaining Wall Installation
Electrical Underground
Conduit Banks
Electrical Wiring
SCADA System and PLCs
System Testing and Startup



Engineering/Remediation Resources Group, Inc.

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