



Services of Value to California Dam Owners

DAM ENGINEERING IS OUR SPECIALTY

GENTERRA Consultants, Inc. provides specialized engineering consulting services for the planning and design of new, enlarged and modified dams and reservoirs, and for the evaluation and rehabilitation of existing dams of all types and sizes. These services represent more than 85% of our work.

GENTERRA's key project personnel have worked on more than 500 dams during their careers, primarily in California, giving the firm one of the highest levels of expertise and experience in dams and reservoirs by technical professionals licensed in California. Two key personnel employed by GENTERRA were in responsible roles with the State of California Division of Safety of Dams (DSOD) before entering the consulting field.

Since the firm was founded in 1995, GENTERRA has provided services on more than 155 dams, with most of them in California and under the DSOD. Projects have also included Federal Energy Regulatory Commission (FERC) Part 12 inspections and relicensing of hydropower projects, as well as the preparation of Emergency Action Plans (EAPs) which are required by the office of Emergency Services (OES). These are dams used for potable and reclaimed water storage, irrigation, flood control, debris retention, recreation and hydroelectric power generation. They include earthfill, rockfill and concrete dams, with many types of spillways, outlet works and other appurtenances.

WE PROVIDE SERVICES OF VALUE TO OWNERS OF DAMS AND RESERVOIRS

This high level of expertise and experience enables our firm to provide services that are of high quality and of value to owners and operators of dams and reservoirs. The conditions we have observed and our proprietary database of projects enable us to readily evaluate other dams and develop cost-effective and reliable solutions. Some results of our projects are listed below:

- Development and support for implementation of dam safety programs
- Updated analyses and modifications for improvement in static and seismic stability
- Analyses and modifications required for approval by regulatory and review agencies
- Reduction and/or control of seepage and other problems
- Early identification of potential problems and cost-effective mitigation
- Abandonment of malfunctioning and unreliable instrumentation
- Strategic placement of new instrumentation to improve reliability and effectiveness
- Enhancement of visual appearance; improved operation and maintenance programs
- Training of operators and providing on-call expertise for routine issues and emergencies
- Coordination and assistance with State Division of Safety of Dams and other agencies
- Development of inundation maps and input for emergency action and security plans
- Design and construction consultation for new dams, spillways and outlet facilities

We would be pleased to arrange a meeting and presentation at no obligation to review our services, present some of our project examples, and discuss issues on existing or proposed dams and reservoirs. Please contact Joseph J. Kulikowski, P.E., G.E., President, at Toll-Free Phone (888) 423-0111 or by E-Mail at joekul@genterra.com.

IRVINE - SACRAMENTO - SAN DIEGO, CALIFORNIA ■ AUSTIN, TEXAS ■ HARRISBURG, PENNSYLVANIA

Corporate: 15375 Barranca Parkway • Building L • Irvine, California 92618 • (949) 753-8766 • Fax: (949) 753-8887
Toll-Free: (888) 423-0111 • E-Mail: gcinfo@genterra.com

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