



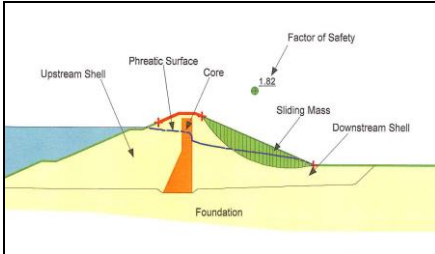
GENTERRA CONSULTANTS, INC.

ENGINEERING AND GEOTECHNICAL SERVICES

Dam Design, Dam Safety Inspection, & Rehabilitation of Dams



GENTERRA Consultants, Inc. provides specialized consulting services for the design of dams and reservoirs, for the inspection and evaluation of existing dams, and for the design of rehabilitation and repairs of dams and appurtenances. Evaluations typically include the review, implementation, and reporting of dam safety monitoring and surveillance programs. GENTERRA's key personnel have extensive experience in all aspects of dams and reservoirs, including the planning, investigation, design, analysis, inspection evaluation, repair, construction, operation, maintenance, monitoring, and coordination of reviews with State, Federal, and local regulatory agencies. **Since 1995, GENTERRA has provided services on more than 155 dams.**



The firm's key professional personnel have worked on more than 500 dams and reservoirs in their careers in the United States. Key personnel were in responsible roles with the State of California Division of Safety of Dams (DSOD) prior to joining the consulting profession.

Specific Services Related to Dams are Listed Below:

- Design and Analysis of Earth, Rockfill, and RCC Dams
- Safety Evaluation, Inspection, Monitoring, and Rehabilitation of Dams
- Field Measurements and Reporting of Performance Data
- Dam Safety Risk Analyses
- FERC Part 12 Inspections and Reports
- Design and Review of Spillways, Outlets, and Other Appurtenances
- Geotechnical Field and Laboratory Site Investigations
- Siting and Alignment Studies
- Seismologic and Geologic Studies
- Recommendations for Earthwork Construction
- Geotechnical QA/QC During Construction
- Flood Inundation Studies and Emergency Action Plans
- Development of Dam Safety Monitoring Programs
- Coordination with Dam Safety and Regulatory Agencies
- Training for Operations and Engineering Personnel
- 24/7 Emergency Contact



GENTERRA has the full capabilities to address any deficiencies or additional studies as a result of the evaluations, including field investigations and laboratory testing; hydrologic and hydraulic analyses; seismic stability and seepage issues; and development of design plans, specifications and construction cost estimates. A statement of qualifications can be submitted upon request.

For information, please contact Joseph J. Kulikowski, P.E., G.E., President & Senior Principal Engineer at (949) 753-8766 or by e-mail at: joekul@genterra.com

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