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Dam Safety issues such as:

- hazard classification determination based on the downstream inundation of population at risk;
- dam or embankment structure safety inspections;
- operation and maintenance condition assessments;
- slope stability analysis;
- hydraulic capacities of outlets (conduits and auxiliary spillways) and flood routing of storms through the structure;
- sediment storage capacity and stability;
- dam or embankment structure removal;
- dam or embankment structure decommissioning or abandonment;

should all be completed under the direct supervision of a licensed professional engineer in the state the work is being completed. The licensed professional might need the expertise of a Civil Engineer, Structural Engineer, Hydraulic Engineer, Geotechnical Engineer, Engineering Geologist, Seismologist, Civil Engineering Technicians and others to complete the work.

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