



Hydropower services – FERC dam safety

Harnessing the power of water

WSP USA offers comprehensive FERC dam safety program support, including FERC dam safety performance monitoring program and potential failure mode analysis (PFMA) services and facilitation. In addition, we assist clients in integrating the FERC risk-informed decision making process into their dam safety programs.

The hydropower team's senior leadership has 30+ years of experience working on hydropower projects under the FERC Dam Safety Guidelines and Criteria. Our skill and versatility enable us to plan, engineer and design, inspect, assess and monitor, repair and rehabilitate and otherwise support dam safety work.



OUR SERVICES

- Development of owner's dam safety programs
- FERC independent consultant services (Part 12D safety inspections and reports)
- PFMA facilitator services and report preparation
- Preparation, review and updating of FERC dam safety surveillance and monitoring plans and dam safety surveillance and monitoring reports
- Preparation, review and updating of FERC supporting technical information documents
- Preparation and review of security plans, including rapid response and recovery plans
- Preparation, review and updating of emergency action plans (EAP), including GIS-based inundation maps
- EAP tabletop and functional exercise planning and facilitation, including joint exercises (multiple owners in a single river reach)
- Gate operations – evaluations of normal and emergency gate operations
- Detailed and general dam safety training for owner staff, including visual inspections, instrumentation, safety awareness, operations and EAPs
- Independent project safety audits
- In-house inspections (on behalf of clients)
- Operation and maintenance program evaluations
- Remote instrumentation monitoring
- Engineering support for draw-down and dewatering of project structures



ABOUT WSP

WSP USA is the U.S. operating company of WSP, one of the world's leading engineering, environment and professional services firms. Recognized on [Fast Company's Brands that Matter List for 2022](#) as a top Community-Minded Business, WSP USA brings together engineers, planners, technical experts, strategic advisors and construction management professionals who are dedicated to collaborate in the best interests of serving local communities. WSP USA designs lasting solutions in the buildings, transportation, energy, water and environment markets. With more than 15,500 employees in 300 offices across the U.S., WSP partners with its clients to help communities prosper.



CONTACT US

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