Central Rivers Power

Dam Safety Engineer Job Description

Type: Full-time
Status: Exempt
Location: Remote. Candidate ideally located in upstate New York (Albany, Syracuse, or Watertown area). Other locations may be considered.

Position Overview

The ideal candidate will have several years of experience in dam safety related fields including hydrology and hydraulics, geotechnical engineering, and structural analysis, as well as knowledge of project and construction management basics. This position is responsible for all dam safety related activities and communications with the Federal Energy Regulatory Commission (FERC) for the assigned region of projects within the Central Rivers Power fleet. This position supports maintenance and capital improvements that impact dam safety and construction oversight responsibilities. Additionally, this position will participate in a team of dam safety professionals and ensure that all aspects of the Owner's Dam Safety Program are completed in a timely and quality manner. This position reports to the Chief Dam Safety Engineer.

Responsibilities include, but are not limited to:

- Establish and maintain positive working relationships with FERC personnel and all other key stakeholders by participating in meetings and project inspections
- Assist in managing aspects of the Owner's Dam Safety Program and development of dam safety procedures
- Conduct and participate in various field inspections as an owner/representative in Part 12 inspections and Potential Failure Mode Analysis, annual in-house inspections, construction oversight, emergency inspections, etc.
- Assist in managing Central River's relationship with third-party engineering services in conjunction with the Owner's Dam Safety Program, regulatory issues, and the CapEx Plan by participating in meetings and project inspections, reviewing submittals for quality and completeness, and ensuring timely filing with our respective regulatory agencies
- Ensure that all facilities have complete Dam Safety Surveillance Monitoring Plans (DSSMP) in accordance with the FERC requirements and that all necessary inspections are performed as scheduled
- Review DSSMP inspection results and instrumentation readings to evaluate the condition and health of the project and ensure that comprehensive Dam Safety Surveillance Monitoring Reports (DSSMR) are developed, reviewed, and submitted in accordance with the FERC requirements
- Develop and maintain all dam safety documents for the region including STID, EAP, DSSMP, and DSSMR ensuring all are complete and current
- Support in the dam safety response to any real-time dam safety events, including EAP activations and participating preparations of the EAP including Orientation, Tabletop and Functional Exercises
- Assists in the periodic trainings of hydro plant employees and in corporate safety training seminars focused on dam safety

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Skills and Qualifications

- Bachelor's Degree in Engineering is required with the ability to obtain a Professional Civil Engineering License
- 2-5 years of experience related to hydroelectric power plant maintenance including emphasis on dam safety
- Prior experience working with the Federal Energy Regulatory Commission (FERC) is preferable
- Must be a self-starter and able to manage a heavy workload without day-to-day oversight
- Must possess detailed knowledge of the hydroelectric power generation industry
- Proven experience in achieving continuous improvement through project management
- Excellent verbal and written communication skills
- Ability to interpret legal documents and agreements
- Up 30% travel maybe required depending on location
- Ability to comfortably transverse steep, uneven slopes of dams, some of which may exceed 100 feet
- Enter confined spaces, such as galleries
- Demonstrated knowledge of Microsoft Word, Project, Excel, and Power Point
- Valid State Driver's License

About Central Rivers Power

Central Rivers Power owns and operates 45 hydroelectric power plants with a combined installed capacity of 340 MW throughout the United States. The current facilities are located in New Hampshire, Vermont, Massachusetts, New York, Pennsylvania, West Virginia, Virginia, North Carolina, South Carolina, Idaho, Washington, and California. Central Rivers provides reliable, low-carbon energy to the regional power grid.