



Dam Safety Engineer Job Description

Type: Full-time

Status: Exempt

Location: Remote. Candidate ideally located in upstate New York (Albany, Syracuse, or Watertown area).

Position Overview

This position is responsible for all dam safety related activities and communications for the assigned region of projects within the Patriot Hydro fleet. This position supports the Chief Dam Safety Engineer and works with a team of dam safety professionals and ensure that all aspects of the Owner's Dam Safety Program are completed in a timely and with quality manner. This position reports to the Chief Dam Safety Engineer.

Minimum Education, Skills, and Experience

- B.S. in Civil Engineering from an accredited institution or acceptable equivalent
- Fundamentals in Engineering (EIT) registration, preferred
- Zero to three (0-3) years of experience in civil engineering or similar
- Strong written and oral communication skills, with the ability to work both independently and in a team environment
- Ability to organize priorities and multi-task effectively
- Proficiency with MS Office applications
- Holds a valid State Driver's License
- Ability to perform physical site inspections including transverse steep, uneven slopes of dams, some of which may exceed 100 feet, walking on uneven surfaces, climbing up/down ladders, enter confined spaces, such as galleries and penstocks, etc.

Valued but not required skills and experience

- Experience in developing and providing support documentation for Engineering calculations.
- One or more 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.
- Prior experience working with the Federal Energy Regulatory Commission (FERC)

Duties will include civil engineering review and support in the following areas:

- Establish and maintain positive working relationships with FERC personnel and all other key stakeholders by participating in meetings and project inspections.
- 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.
- 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
- 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 to the FERC
- 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 team 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
- Assist in managing Patriot Hydro'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.
- Up 30% travel maybe required depending on location.

About Patriot Hydro

Patriot Hydro owns and operates 42 hydroelectric power plants with a combined installed capacity of 327 MW throughout the United States. The current facilities are in New Hampshire, Vermont, Massachusetts, New York, Pennsylvania, West Virginia, Virginia, North Carolina, South Carolina, Washington, and California. Patriot Hydro provides reliable, low-carbon energy to the regional power grid.