

Eagle Creek Renewable Energy owns and/or operates 85 hydroelectric facilities in 19 states throughout the United States and is currently seeking an experienced Dam Safety Engineer with experience in the structural analysis, design, and inspection of gates and hydraulic concrete structures. The ideal candidate will also have experience in dam safety in a variety of other areas including hydrology and hydraulics, geotechnical engineering, and construction management. This position will report to the Chief Dam Safety Engineer and will principally be responsible for conducting gate assessments and developing and managing a comprehensive spillway gate surveillance and monitoring program in perpetuity at all Eagle Creek projects. This position may also be responsible for general dam safety oversight in a select geographic area.

### **Responsibilities:**

- Oversees Eagle Creek's gate assessment and evaluation program fleetwide including conducting or participating in all gate inspections.
- Develops Dam Safety Surveillance and Monitoring Plans, Supporting Technical Information Documents, Dam Safety Surveillance and Monitoring Reports and other technical reports as required.
- Conducts inspections and oversees surveillance and monitoring activities including but not limited to detailed gate inspections, bathymetry surveys, topographic surveys, monument surveys, and dive inspections.
- Participates in Part 12 Inspections and Potential Failure Modes Analysis.
- Reviews all surveillance and monitoring data in a timely fashion and follows up as necessary to ensure the safety of dams.
- Assists in overseeing and managing dam safety construction projects to ensure the design intent is met and the project is constructed in accordance with the plans and specifications.
- Conducts engineering analysis and develops designs for minor repair and remediation projects.
- Works with FERC and other regulatory agencies to ensure compliance by participating in meetings, calls, and project inspections.
- Conducts periodic dam safety training for Operations Staff.
- Reviews Public Safety Plans and Emergency Action Plans and supports these activities as required
- Responds to and assists operations personnel with dam safety emergencies at projects within a specified geographic area of responsibility
- Drives continuous improvement of the Owner's Dam Safety Program by assisting with projects to enhance the program

### **Required Skills:**

- Experience in the structural analysis, design, and inspection of gates and hydraulic concrete structures.
- Knowledge and understanding of FERC and applicable State Dam Safety regulations.
- Fundamental understanding of geotechnical, hydrologic, and hydraulic engineering concepts and application, and construction management.
- Knowledge of dam instrumentation including various types of piezometers, inclinometers, etc.
- Able to independently prioritize work and manage competing deadlines.
- An innovator with track record of successful problem-solving proficiencies
- Excellent written and oral communication skills
- Self-starter, motivated and innate drive to succeed

**Qualifications/Requirements:**

- Bachelor of Science in Civil or Geological Engineering
- Professional Engineer (PE) license/certification
- Travel up to 50% of the time for the first couple years and transitioning to 30%
- Ability to climb/traverse the slopes of dams, some of which may exceed 100 feet
- Comfortable with entry into confined spaces such as dam galleries for inspections

Location: Remote - TBD