**Fire Protection Engineer**

The McLain Group represents a client, a leader in the commercial nuclear power industry, with an immediate need for a **nuclear power plant Fire Protection Engineer**. The Fire Protection Engineer conducts fire protection engineering activities and provides oversight of the site fire protection program as the Fire Protection Program Owner. Identifies and resolves plant issues and acts as a liaison between engineering team and Operations and Maintenance departments as the Fire Protection System Engineer.

**Duties/Responsibilities:**

- Support site with expertise in fire protection engineering principles, USNRC regulations (including Appendix R to 10CFR50, Safe Shutdown), Industrial Risk Insurance requirements, NYS Uniform Code and NFPA Code/Standards.
- Ensure physical plant and administrative changes do not adversely impact the fire protection program including the safe shutdown analysis or the Fire Probabilistic Risk Assessment.
- Perform fire hazard analyses, including fire modeling, to assess impact of proposed plant changes or identified deviations on the fire protection program.
- Ensure fire protection systems are maintained in accordance with requirements. Review surveillance and inspection results to ensure scope and frequency is optimized.
- Develop and present periodic reports to peer and station management regarding the overall health of the Fire Protection Program.
- Review proposed plant changes to ensure conformance with NFPA Codes/Standards, USNRC regulations, NYS Uniform Code, and fire risk insurance requirements.
- Provide oversight of the fire protection program as the Fire Protection Program Owner to ensure compliance with USNRC rules and regulations. Ensures the fire protection program is maintained such that the risk and consequences of fire is minimized.
- Actively participate in fleet peer groups and industry fire protection groups to ensure lessons learned and best practices are reviewed and implemented.
- Act as point of contact and lead for Fire Protection Program assessments and inspections.
- Develop, plan and coordinate special projects, corrective action plans, and improvement programs to address plant problems or regulatory issues.
- Controls engineering costs through the optimization of resources and tracking expenditures within budget parameters.
- Identifies and resolves plant issues and acts as a liaison between engineering team and Operations and Maintenance departments.
- Supports Maintenance and Operations in system troubleshooting and provides technical support regarding troubleshooting significant events or complex plant problems.
- Interfaces with Maintenance and Operations for cost effective maintenance strategies.
- Helps support planning and prioritization aspects of project life cycle.
- Implements action plans of senior team members and establishes/prioritizes actions plans to address deficiencies via the corrective action and work management processes. Supports changes in system configuration/design and design basis.
- Serves on outage engineering support teams. Attends training and maintains qualifications necessary to perform required group functions.

**Required:**

B.S. Degree in Fire Protection Engineering or Fire Protection Engineering Technology from an accredited engineering curriculum or equivalent work experience.
If not a graduate of the aforementioned nature (B.S. degree in Fire Protection Engineering or Fire Protection Engineering Technology), a minimum of 6 years engineering experience indicative of growth in engineering competency and achievement in a Highly Protected Risk facility is required.

Proficient in fire protection engineering principles for Highly Protected Risk facilities including fire hazard analyses, fire modeling, fire performance tests, system failure analyses, Probabilistic Risk Assessment, NFPA Code conformance reviews, and model building code assessments. Proven ability to interface with Federal, State, and local regulatory agencies. Technical understanding of nuclear generation principles and operation is desired. Outstanding interpersonal, conflict management, problem solving, and change management skills. Must have strong written and oral communication skills. Must be skilled in the use of Microsoft desktop software.

For confidential consideration, please email your resume to rperry@themclaingroup.net
All inquiries will be kept strictly confidential.

Please note: Only qualified candidates will be contacted.

The McLain Group specializes in providing top talent for a variety of positions in the nuclear power industry. We are experienced at identifying the right people to meet critical staffing needs as well as the right jobs to meet career objectives. We are committed to satisfying both clients and candidates. To learn more, please visit www.themclaingroup.net