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Fire Protection Engineer

Date: Dec 3, 2024

Location: Lynchburg, VA, US

Company: BWX Technologies

Req ID: 49181

At BWX Technologies, Inc. (NYSE: BWXT), we are People Strong, Innovation Driven. Headquartered in Lynchburg, Virginia, BWXT is a Defense News Top 100 manufacturing and engineering innovator that provides safe and effective nuclear solutions for global security, clean energy, environmental restoration, nuclear medicine and space exploration. With more than 7,000 employees, BWXT has 14 major operating sites in the U.S., Canada and the U.K. We are the sole manufacturer of naval nuclear reactors for U.S. submarines and aircraft carriers. Our company supplies precision manufactured components, services and fuel for the commercial nuclear power industry across four continents. Our joint ventures provide environmental restoration and operations management at a dozen U.S. Department of Energy and NASA facilities. BWXT's technology is driving advances in medical radioisotope production in North America and microreactors for various defense and space applications. For more information, visit www.bwxt.com. Follow us on [LinkedIn](#), [X](#), [Facebook](#) and [Instagram](#).

BWXT's Nuclear Operations Group - Lynchburg is currently seeking a Fire Protection Engineer for its Industrial Health and Safety Unit in Lynchburg, VA location!

As a Fire Protection Engineer you will be performing technical evaluations associated with new facility equipment and modifications, conducting routine compliance audits, inspections, and assessments of existing plant conditions. These technical evaluations will include risk assessments and Process Hazard Analysis methodologies such as Event Tree Analysis, Failure Modes and Effects Analysis, or What-If assessments.

Essential Functions/Responsibilities:

- Evaluates facility modifications to ensure compliance with applicable regulations and standards.
- Conducts studies and surveys on general plant safety and facility needs as required by OSHA regulations and keeping with established safety work practices.
- Performs written reports, technical documents and compliance reviews, and initiates appropriate corrective actions and improvement suggestions to mitigate and abate regulatory deficiencies.
- Collaborates across facility departments to ensure equipment and processes are being maintained and hazardous conditions are corrected.
- Participates in project development, reviewing design drawings for new construction, renovations and modifications to ensure compliance with code and design requirements.
- Reviews and analyzes proposed fire & life safety features to ensure compliance with design requirements and applicable codes/standards.
- Serves as the Subject Matter Expert and representative of the authority having jurisdiction (AHJ) with respect to fire protection and life safety activities.
- Facilitates compliance programs to ensure all Federal and State Safety and Health Regulations are maintained.
- Participates in Emergency Team training exercises and facility drills and emergency events.
- Prepares and issues written and verbal reports to management summarizing findings, recommendations, and corrective actions.
- Provides technical support to line management regarding the implementation of company procedures and safety requirements and principles.
- Provides leadership and consultation to coworkers, and supports Environment Safety and Health Management.
- Performs other duties as assigned.

Required Qualifications:

- A minimum of a Bachelor's degree in an applicable engineering/science field is required. A Fire Protection Engineering degree or technical experience in Fire Protection is preferred.
- Must possess at least two (2) years of related work experience preferably in an industrial setting.
- Must have working knowledge of water-based suppression systems, gaseous suppression systems, fire alarm/detection systems and passive fire protection features.
- Must understand inspection, testing, and maintenance of fire protection systems, equipment and features.
- Must possess working knowledge of National Fire Protection Association (NFPA) Codes/Standards, International Building & Fire Codes, and OSHA 29CFR1910 General Industry Regulations and Standards.
- Must be able to demonstrate superior written, oral, and interpersonal communication skills and successfully resolve conflict.
- Must have keen attention to detail and demonstrate the ability to work with minimal supervision.
- Must be able to work in a team-oriented, collaborative environment.

- Must have demonstrable knowledge of regulatory compliance and understand the importance of maintaining accurate documentation.
- Must be able to read and understand schematics and flow diagrams.
- Ability to prioritize and execute tasks, with a high degree of accuracy, in a rapidly changing environment is required.
- Must be a US Citizen with no dual citizenship.
- Must be able to obtain and maintain a U.S. Department of Energy (DOE) clearance.

Preferred Qualifications:

- Current registration as a Professional Engineer (PE) in Fire Protection and/or Certified Fire Protection Specialist (CFPS) is preferred.
- Emergency response/fire suppression experience/qualifications are preferred.

#LI-AN1

Pay: \$62,000 - \$97,000

The base salary range for this position in Virginia (US-VA) at the start of employment is expected to be between \$62,000 and \$97,000 per year. However, the base salary offered is based on local job market factors, and may vary further depending on factors specific to the selected job candidate, such as job-related knowledge, skills, experience, and other objective business considerations. Subject to these considerations, the total compensation package for this position may also include other elements, such as an annual cash incentive in addition to a full range of medical, retirement, and/or other benefits. Details of participation in these benefit plans will be provided at such time the selected job candidate receives an offer of employment. If hired, the selected job candidate will be employed 'at-will,' unless employed at a location and in a position subject to a collective bargaining agreement. The company further reserves the right to modify base salary (as well as any other discretionary payment, compensation or benefit program) at any time, including for reasons related to individual performance, company or individual department/team performance, and other market factors.

As a federal government contractor, BWX Technologies, Inc. and any subsidiaries, affiliates and related entities ("BWXT" or the "Company") complies with all federal, state, and local laws and customer requirements regarding health and safety protocols. As such, all BWXT new hires will be required to adhere to applicable Company health and safety requirements within the workplace as a condition of employment.

Applicants selected will be subject to a Federal background investigation and must meet eligibility requirements for access to classified information or matter. Position requires U.S. citizenship with (no dual citizenship) ability to obtain and maintain a Department of Energy (DOE) security clearance which involves an extensive criminal and financial background investigation, drug test and previous employment reference verifications.

BWXT supports diversity and is committed to the concept of Equal Employment Opportunity. We have established procedures to ensure that all personnel actions such as recruitment, compensation, career development, benefits, company-sponsored training and social recreational programs are administered without regard to race, color religion, gender, national origin, citizenship, age, disability or veteran status.

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Nearest Major Market: Lynchburg

Nearest Secondary Market: Virginia

Job Segment: Facilities, Nuclear Engineering, Compliance, Construction, Manufacturing Engineer, Operations, Engineering, Legal

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