

Fire Protection Engineer Job Listing – Defense Nuclear Facilities Safety Board

Application Link: <https://www.usajobs.gov/GetJob/ViewDetails/577993300>

Provide fire protection technical support for the Defense Nuclear Facilities Safety Board in its mission of providing oversight of the Department of Energy's (DOE) defense nuclear complex facilities.

Work at the direction of a Technical Lead Engineer and/or Senior Fire Protection Engineer. The duties will include:

1. Work as a Fellow Fire Protection Engineer (FPE) with demonstrated FPE subject matter expertise with industrial and nuclear Fire Protection suppression, alarms and detection requirements.
2. Provide technical direction and guidance in the development and implementation of the Fire Protection Program reviews throughout the DOE nuclear weapons complex. As assigned fire hazards analysis (FHA) for specific buildings and / or projects.
3. Develop and effectively utilize sound engineering principles and capabilities in the conduct of appropriate fire modeling, fire water and fire flow calculations.
4. Evaluate and develop cost-effective reviews to ensure DOE nuclear facility compliance with codes and requirements consistent with safe practices and operations.
5. Review and determine the effectiveness of fire protection designs for compliance with fire codes, standards, and regulations.
6. Provide technical support / guidance to facility management and staff on all fire protection related issues including, but not limited to installation, inspection, maintenance, and operations of fire protection systems and components.
7. Conduct facility evaluations / assessments for compliance with procedures and fire protection codes and standards, identify deficiencies, recommend corrective actions and provide the necessary technical support to resolve issues. Evaluate alternate means and methods for achieving code compliance.
8. Assist in the identification of consistent fire system inspection and testing program that satisfies the intent of the National Fire Codes, S / RID and DOE requirements.
9. Develop and maintain a strong working knowledge and understanding of National Fire Protection Association Codes and IBC regulatory requirements, as well as experience.

10. Demonstrate a strong understanding of Fire Protection requirements compliant in DOE Orders (e.g. 420 series and DOE-STD-1066-2012 & 2016) is preferred.

EDUCATION: Candidates functioning as fire protection engineers shall be graduates of an accredited fire protection engineering curriculum. Master of Science in Fire Protection Engineering degree preferred. If not such a graduate, candidate must be a registered professional engineer in fire protection.

EXPERIENCE / SKILLS: In addition to education, the following are preferred skills, knowledge and/or qualifications:

1. Familiarity with DOE Orders / Guides and requirements with regards to fire safety.
2. Knowledge of NFPA Codes and Standards.
3. Produce written documents with clearly organized structure and grammar.
4. Communicate orally with management, facility personnel and contractors regarding fire protection issues.
5. Must be able to walk down systems in the field.
6. Must be able to earn a TS/Q security clearance.