

Y-12 Recruiting

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Posting Title (Same as Req Title)

ENG Fire Protection Engineer 503217

Reference Code

ENG Fire Protection Engineer 503217-E

Organization/Department

Mission Engineering

Job Family: Engineering

Job Specialty: Fire Protection

Ladder: Eng, Sci & IT

Career Level: Associate, Sr. Associate, Specialist, Sr. Specialist

Job Code: EPFZENFP, EPIZENFP, EPKZENFP, EPMZENFP

Specific Job Responsibilities:

Develop, review, and maintain facility Fire Protection Engineering Assessments (FPEA) and Fire Hazards Analysis (FHA). Provide interpretations and guidance for compliance with DOE Orders and DOE-mandated fire protection codes and standards. Serve as the subject matter expert in areas of fire protection, life safety, and related fields. Support fire protection, life safety, and fire department programs and their implementation. Evaluate the adequacy of facility design and occupancy in accordance with applicable fire protection criteria and recommend changes as needed.

Participate in facility start-up activities. Review manufacturing operating procedures. Develop, review, and maintain process documents and work instructions for the Fire Protection Program. Support System Engineering Activities to include piping systems, fire barrier systems, pumping systems and the associated modeling and calculations.

Specific Job Knowledge & Training Required:

Required Education and Experience:

Bachelor's of Science or Master's of Science in engineering/science discipline

Preferred Education and Experience:

Bachelor's degree in Fire Protection Technology or related technical discipline.

The applicant must meet the requirements of DOE O 426.2 (i.e., bachelors in engineering or related science, 2 years job-related and at least 1 year nuclear experience, or a DOE O 426.2 alternative).

The job related and nuclear experience requirements noted above are not a prerequisite for employment. These experience requirements can be satisfied based on experience obtained following employment. In the interim, until experience requirements are met, newly hired

personnel will not be assigned duties that could impact the safety basis of nuclear facilities. (Ref. DOE O 426.2)

Knowledge of fire protection engineering principles and their application to fire risk analysis in nuclear/industrial facilities, systems, and processes; NFPA Codes and standards; DOE Orders and DOE-mandated codes and standards related to fire protection; and current computer-based analytical methods related to fire hazard analyses. Ability to perform quantitative fire hazard analysis and risk assessments. Knowledge of computer fire models, e.g., CFAST, DETACT-QS, FDS, and HASS. Ability to communicate clearly and effectively through the oral and written word including formal presentation skills.

Notes:

Eight or more years of relevant education, training, and/or progressive experience may be considered to satisfy educational and years-of-experience requirements for this posting. For postings on the Engineering, Science and IT Ladder, in lieu of a technical bachelor's degree, the Operations Professional Ladder may be considered.

The minimum education and experience for the lowest career level in the job posting range are listed under Specific Knowledge and Training Required. Successful candidates hired into a higher career level than the minimum in the range must meet the requirements listed in the job leveling charts for the career level into which they're being hired.

The career level will be determined based upon relevant education and experience of the selected candidate. Internal applicants, if the move is determined to be lateral, will maintain their current career level and pay.

For internal applicants whose career level may be higher than the career level range indicated on the job posting, we will consider the scope of work being performed, in addition to a candidate's education and experience, when determining whether a lateral move is warranted.

Requires a Q clearance; however all qualified candidates will be considered regardless of their current clearance status. The ability to obtain and maintain a Department of Energy "Q" clearance is required.

Position may require entry into Materials Access Areas (MAA) and participation in the Human Reliability Program (HRP). If HRP is required, the candidate must complete a counterintelligence-scope polygraph, pursuant to 10CFR 709. Medical requirements may apply. If the successful candidate is not currently certified in the HRP, the certification process will be initiated upon assumption of the position. If the successful candidate is currently certified in the HRP, a review for HRP certification in the appropriate category will be performed by the hiring manager and the HRP Management Official, and the certification process in the appropriate category will be initiated upon assumption of the position.

Contract Type

Regular

Employment Fraction

Full-time

Y-12 is a drug-free workplace. Candidates accepting a job offer will be required to pass a pre-placement physical, drug screening and background investigation. As an employee, you must also be able to receive and maintain a security clearance from the United States Department of Energy in order to meet eligibility requirements for access to classified information or matter. All employees with a security clearance are also subject to being randomly selected for drug testing without advance notification.

Y-12 is an equal opportunity employer. All qualified applicants will receive consideration for employment without regard to race, color, gender, sexual orientation, gender identity, age, religion, national origin, ancestry, genetic information, disability or veteran status.

For questions or more information contact:

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