Fire Protection Engineer-Specialist-Sr. Specialist  Amarillo, TX

Specific Job Responsibilities
Responsible to perform work as a professional level staff member with self-motivation and advanced skills in understanding and application of technical principles, theories and concepts as applicable to Fire Protection. Lead and mentor other FPE personnel in developing, reviewing, and maintaining facility fire hazard analysis and assessments. Provide interpretations and guidance for compliance with DOE Orders and DOE-mandated fire protection codes and standards. Review and provide technical guidance for the Documented Safety Analysis (DSA). Develop, review, and maintain Combustible Loading Dispositions for nuclear weapons programs. Perform facility walk downs to evaluate and document combustibles for stand-off requirements. Perform fire modeling of compartment fires for radiant flux, upper layer gas temperatures, and suppression activation times using C-FAST, DETACT-QS, & FDS. 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 on-call responsibilities.

Specific Job Knowledge & Training Required
- Ability to plan and self-perform on a project/problem which includes, but is not limited to, design time-lines, functions and requirements, design basis and criteria, design schedule and tracking, design review, inter-discipline design coordination, design approval, design change control, and field verification of compliance to design. Skills are to include coordination of FPE efforts with all individuals of the integrated project team. Technical knowledge is to contain related fire protection principles and skilled application to fire risks in industrial facilities, systems and processes. 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.
- The applicant must meet the requirements of DOE O 426.2 (i.e., bachelor’s degree 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.

Education & Relevant Experience
- BS in engineering/science discipline: Minimum 4 years of relevant experience. MS: Minimum 2 years of relevant experience. Typical engineering/science experience ranging from 6 to 10 years.
- Bachelor’s degree in Fire Protection Technology or related technical discipline is preferred.
• Twelve 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 Job 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.

Interested candidates may apply at www.pantex.com/careers, Req. # 19-0064, #19-0065 or # 19-0066.