Fire Protection Engineer 2/3 (Engineer 2/3) Los Alamos, New Mexico

Job ID: IRC100039

Apply Now

What You Will Do

This position will be filled at either the Fire Protection Engineer level 2 or level 3, depending on the skills of the selected candidate. Additional job responsibilities (outlined below) will be assigned if the candidate is hired at the higher level.

The Fire Protection Engineering Group (ES-FP) is expanding and looking for a Fire Protection Engineer 2/3. The ES-FP group provides institutional leadership, processes, and technical resources for safe, high quality, and cost-effective fire protection systems, programs and response organizations in support of LANL operations. This position will work with a team of engineering professionals responsible primarily for LANL facility and site design and analysis work and review of LANL construction projects to ensure compliance with LANL and nationally recognized codes and standards.

We are looking for a dedicated professional who will act as a key contributor by fully applying and interpreting standard principles, tools, and technologies within fire protection. In this role, you will assist senior fire protection personnel with the planning, design, and analysis of fire protection system designs and calculations, including sprinkler, fire pump, fire alarm, and mass notification systems.

Fire Protection Engineer 2 ($94,100 - $155,700)

The Engineer 2 will perform building, fire code, and fire hazard analyses and prepare engineering evaluation documents. The on-site fire protection system evaluations will analyze life safety requirements for new and existing buildings, including building code compliance, occupancy determination, occupant load calculations, and egress analysis. ES-EP also interfaces with facility project personnel and coordinates project designs with other engineering disciplines within LANL.

Fire Protection Engineer 3 ($103,500 - $172,800)

In addition to what was outlined at the lower level, at this level, the Engineer 3 will prevent and/or reduce fire consequences, reduce loss of life and property impacts of fire by applied engineering fundamentals, research, fire hazard analyses, detection and suppression of fires. Advanced knowledge of public and industrial fire department organizations, and must be familiar with industry technical codes, standards, and practices to ensure DOE liabilities are protected from inherent risks of fire.

What You Need
Minimum Job Requirements:

Working Knowledge of or the ability to learn and apply Fire Protection engineering concepts, building construction, National Fire Protection Association (NFPA) codes and standards (especially NFPA 1, 13, 14, 20, 25, 30, 45, 72, 101 and 801), and Environment, Safety and Health (ES&H) requirements associated with fire protection program implementation.

Demonstrative experience with technical analysis and report writing. Ability to assist in the development, review, and maintenance of Fire Hazard Analyses (FHAs) and other technical evaluation documents with senior mentorship.

Ability to apply Highly Protected Risk (HPR) criteria; including knowledge of FM Global and/or GE-Gap (Industrial Risk Insurers), Underwriters Laboratories and other NRTL listings/approvals used in commercial construction and HRP facilities.

Ability to apply fire protection concepts to the design, operation, commissioning and maintenance of fire protection and life safety systems and features.

- Sound knowledge of engineering systems and calculations, applications of engineering methods, and application of technology aided engineering tools to conventional facility and operations-based engineering problems.
- Sound knowledge of engineering work planning and control methods.
- Sound knowledge of engineering maintenance techniques and construction methodologies. Knowledge of relevant Laboratory procedures, standards and guides.
- Working knowledge of industry, regulatory, or Department of Energy/National Nuclear Security Administration (DOE/NNSA) codes, standards, and criteria pertinent to the particular engineering discipline.
- Working knowledge of project and process engineering practices.
- Sound knowledge of Engineering principles and procedures, design guides, appropriate standards, and appropriate standards

Additional Job Requirements for Fire Protection Engineer 3:

In addition to the requirements outlined above, qualification at the higher level requires:

- Expert knowledge of engineering systems and calculations, applications of engineering methods, and application of technology aided engineering tools to conventional and non-conventional facility and operations-based engineering problems.
- Advanced knowledge of engineering work, planning, construction, and control methods.
- Advanced knowledge of engineering maintenance techniques and construction methodologies. Extensive knowledge of relevant Laboratory procedures, standards and guides.
- Advanced knowledge of industry, regulatory, or Department of Energy/National Nuclear Security Administration (DOE/NNSA) complex codes, standards, and criteria pertinent to the particular engineering discipline.
- Advanced knowledge of Engineering principles and procedures, design guides, appropriate standards, and administrative practices. Advance knowledge of project and process engineering practices.

**Education/Experience Engineer 2**

Position requires a Bachelor’s Degree in Engineering from an ABET-accredited college or university and a minimum of 3 practical work experience to the degree necessary to perform the responsibilities outlined above. Current registration as an Engineer-in-Training (EIT) is highly desirable.

**Education/Experience Engineer 3**

Position requires a Bachelor’s Degree in Engineering from an ABET-accredited college or university and a minimum of 6 practical work experience to the degree necessary to perform the responsibilities outlined above. Advanced engineering or technical degree is highly desired. Current registration as a Professional Engineer (PE) is highly desirable.

**Desired Qualifications:**

- Current Professional Engineer (PE) qualification

**Essential Job Functions:** Color discrimination; Climbing Ladders; Sitting; Standing; Walking; Balancing

**Location:** This position will be located in Los Alamos, NM.

**COVID Vaccine:**

The COVID vaccine is mandatory for all Laboratory employees, on-site contractors, and on-site subcontractors unless granted an accommodation under applicable state or federal law. This requirement will apply to those working on-site, those teleworking, and all new hires.

**Position commitment:** Regular appointment employees are required to serve a period of continuous service in their current position in order to be eligible to apply for posted jobs throughout the Laboratory. If an employee has not served the time required, they may only apply for Laboratory jobs with the documented approval of their Division Leader. The position commitment for this position is 1 year.

**Note to Applicants:**

Please submit a detailed cover letter with your resume addressing all required and desired skills (Please save cover letter with job number and name).

**Where You Will Work**
Located in beautiful northern New Mexico, Los Alamos National Laboratory (LANL) is a multidisciplinary research institution engaged in strategic science on behalf of national security. Our generous benefits package includes:

§ PPO or High Deductible medical insurance with the same large nationwide network

§ Dental and vision insurance

§ Free basic life and disability insurance

§ Paid childbirth and parental leave

§ Award-winning 401(k) (6% matching plus 3.5% annually)

§ Learning opportunities and tuition assistance

§ Flexible schedules and time off (paid sick, vacation, and holidays)

§ Onsite gyms and wellness programs

§ Extensive relocation packages (outside a 50 mile radius)

Additional Details

Directive 206.2 - Employment with Triad requires a favorable decision by NNSA indicating employee is suitable under NNSA Supplemental Directive 206.2. Please note that this requirement applies only to citizens of the United States. Foreign nationals are subject to a similar requirement under DOE Order 142.3A.

Clearance: Q (Position will be cleared to this level). Applicants selected will be subject to a Federal background investigation and must meet eligibility requirements

- for access to classified matter. This position requires a Q clearance which requires US Citizenship except in extremely rare circumstances. Dependent upon position, additional authorization to access nuclear weapons information may be required that may or may not be available to dual citizens depending upon the circumstances.
- Eligibility requirements: To obtain a clearance, an individual must be at least 18 years of age; U.S. citizenship is required except in very limited circumstances. See DOE Order 472.2 for additional information.

426.2: This position is subject to DOE Order 426.2, Personnel Selection, Training, and Qualification Requirements for DOE Nuclear Facilities, which establishes entry-level requirements to ensure candidates selected for specific positions can successfully perform the requirements of the job.
**New-Employment Drug Test:** The Laboratory requires successful applicants to complete a new-employment drug test and maintains a substance abuse policy that includes random drug testing.

**Regular position:** Term status Laboratory employees applying for regular-status positions are converted to regular status.

**Internal Applicants:** Regular appointment employees who have served the required period of continuous service in their current position are eligible to apply for posted jobs throughout the Laboratory. If an employee has not served the required period of continuous service, they may only apply for Laboratory jobs with the documented approval of their Division Leader. Please refer to Policy [Policy P701](#) for applicant eligibility requirements.

**Equal Opportunity:** Los Alamos National Laboratory is an equal opportunity employer and supports a diverse and inclusive workforce. All employment practices are based on qualification and merit, without regard to race, color, national origin, ancestry, religion, age, sex, gender identity, sexual orientation or preference, marital status or spousal affiliation, physical or mental disability, medical conditions, pregnancy, status as a protected veteran, genetic information, or citizenship within the limits imposed by federal laws and regulations. The Laboratory is also committed to making our workplace accessible to individuals with disabilities and will provide reasonable accommodations, upon request, for individuals to participate in the application and hiring process. To request such an accommodation, please send an email to applyhelp@lanl.gov or call 1-505-665-4444 option 1.

**Employment Status**

Full Time

Appointment Type

Regular

Regular

**Contact Details**

**Contact Name** Johnson, Dana Elizabeth

**Email** danaj@lanl.gov

**Work Telephone**

**Vacancy Name:** IRC100039

**Organization Name** ES-FP Fire Protection

**Minimum Salary**

**Maximum Salary**

**Req ID:** IRC100039

**Category:** Engineering