



iRecruitment



Navigator



Favorites

Job Basket Home Logout Preferences Help

Home | Jobs

Jobs: Available Jobs >

Job: IRC68448

Add To Basket

Email Posting

Apply Now

Description

Job Title **Fire Protection Engineer 1/2**  
Location **48-0235-1001J-OFF**  
Organization Name **FP-DO/Fire Protection - Division Office**

What You Will Do

The Fire Protection Division (FP-DO) is the Laboratory’s central fire protection engineering and program support entity, responsible for providing institutional technical direction and support for the Lab’s nuclear and nonnuclear facilities and programs. Fire Protection serves as LANL's authority having jurisdiction (AHJ) for fire protection-related codes, standards, and recommended practices.

***This position will be filled at either the Fire Protection Engineer 1 or 2 level, 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.***

Fire Protection Engineer 1 (\$65,200 - \$106,300)

Position typically requires a developing professional who has the capability to act as an individual contributor by fully applying and interpreting standard principles, tools, and technologies within a specialty. The position assists senior fire protection personnel with the planning, design and analysis of fire protection systems and performs life safety analysis for new and existing buildings.

Duties for the Fire Protection Engineer 1 position include:

- Prepare/Review fire protection system designs and calculations, including sprinkler, fire pump, fire alarm and mass notification systems
- Analyze life safety requirements for buildings, including building code compliance, occupancy determination, occupant load calculations and egress analysis
- Perform on-site fire protection system evaluations and assist with final system testing
- Perform building and fire code analyses and interpretations
- Prepare fire hazards analysis and engineering evaluation documents
- Interface with facility project personnel and coordinate project designs with other engineering disciplines

Fire Protection Engineer 2 (\$72,100 - \$117,900)

Position typically requires a skilled professional who applies, on a broad basis, existing theories, principles, and concepts, and is fully competent in all conventional applications of knowledge common to the specific discipline and function of work assigned.

In addition to the duties outlined above, the Fire Protection Engineer 2 will:

- Prepare/Review equivalencies and exemptions to DOE directives, building and NFPA codes and standards
- Develop life safety plans and code reports for a broad range of projects
- Conduct fire hazard and/or process safety analyses at nuclear/non-nuclear facilities
- Prepare, present and effectively communicate technical reports and presentations
- Inspect buildings for hazard assessment and compliance
- Design, review, commission and test fire protection systems including fire alarm, sprinkler, special hazard and water supply systems
- Perform analyses of existing fire protection systems to determine capabilities, shortcomings, and solutions to rectify deficiencies

What You Need

Minimum Job Requirements:

- 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.
- Experience with the development, review and maintenance of Fire Hazard Analyses (FHAs) and other technical evaluation documents.
- Experience with the application of Highly Protected Risk (HPR) criteria; knowledgeable of FM Global and/or GE-Gap (industrial Risk Insurers), Underwriters Laboratories and other NRTL listings/approvals used in commercial construction and HRP facilities.
- Design, operation, commissioning and maintenance of fire protection and life safety systems and features.
- Ability to work within any 24 hour period, including rotations on-call and as part of the Laboratory’s emergency management organization.

- Excellent communication skills (verbal—written)
- Knowledge of office software, including MS Word, Excel, Access, Outlook.

**Additional Job Requirements for Fire Protection Engineer 2:**

In addition to the Job Requirements outlined above, qualification at the Fire Protection Engineer 2 level requires experience with:

- Significant experience with fire protection and life safety aspects applicable to chemical processes, wet chemistry laboratory and nuclear facilities.
- Experience with Fire modeling software packages, including an understanding of appropriate uses and limitations of these techniques.
- Must have the ability to manage multiple projects simultaneously

**Desired Skills:**

- Professional certifications including completion of the Fundamentals of Engineering (FE) exam and/or registration as a Professional Engineer (PE).

**Education:** BS in Fire Protection Engineering, or another engineering discipline

**Work Environment:** Outdoors, in confined space, working overtime or irregular schedule, working off-shift/rotating schedule, operation of motor vehicles, work in a noisy environment, work under unusual lighting conditions, work near sources of ionizing radiation, work near sources of non-ionizing radiation, headgear or head protection, safety glasses or eye protection, hearing protection, gloves or hand protection, safety shoes or protective footwear.

*Where You Will Work*

Located in northern New Mexico, Los Alamos National Laboratory (LANL) is a multidisciplinary research institution engaged in strategic science on behalf of national security. LANL enhances national security by ensuring the safety and reliability of the U.S. nuclear stockpile, developing technologies to reduce threats from weapons of mass destruction, and solving problems related to energy, environment, infrastructure, health, and global security concerns.

**Additional Details:**

**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.

\*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:** Please refer to Laboratory policy [P701](#) for applicant eligibility.

**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 regards 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](mailto:applyhelp@lanl.gov) or call 1-505-665-4444 option 1.

Minimum Salary  
Maximum Salary  
Appointment Type **Regular**  
Regular  
Posting Scope **External**  
External

**Contact Details**

Contact Name [Pacheco, Barbara Gonzales](#)  
Email [barbp@lanl.gov](mailto:barbp@lanl.gov)  
Work Telephone

[Add To Basket](#) [Email Posting](#) [Apply Now](#)

[Home](#) [Jobs](#) [Job Basket](#) [Home](#) [Logout](#) [Preferences](#) [Help](#)

[Privacy Statement](#)

Copyright (c) 2006, Oracle. All rights reserved.