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Fire Protection Engineer

Mid-Senior Level | Full-time
Business Operations | Livermore, CA | 06/20/2023

Reference #: REF4761B
Job Code: TSS.2 Technical Services & Ops MTS 2 / TSS.3 Technical Services & Ops MTS 3
Organization: Infrastructure and Operations Career Indefinite
Security Clearance: Anticipated DOE Q clearance (requires U.S. citizenship and a federal background investigation)
Drug Test: Required for external applicant(s) selected for this position (includes testing for use of marijuana)
Medical Exam: Not applicable

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Company Description

Join us and make YOUR mark on the World!

Are you interested in joining some of the brightest talent in the world to strengthen the United States’ security? Come join Lawrence Livermore National Laboratory (LLNL) where our employees apply their expertise to create solutions for BIG ideas that make our world a better place.

We are committed to a diverse and equitable workforce with an inclusive culture that values and celebrates the diversity of our people, talents, ideas, experiences, and perspectives. This is important for continued success of the Laboratory’s mission.

Pay Range

$113,730 - $175,272
$113,730 - $146,076 Annually for the TSS.2 level
$136,500 - $175,272 Annually for the TSS.3 level

Please note that the pay range information is a general guideline only. Many factors are taken into consideration when setting starting pay including education, experience, the external labor market, and internal equity.

Job Description

We have an opening for a Fire Protection Engineer. You will be responsible for performing activities associated with fire protection engineering and design support to the Laboratory’s Fire Protection Program and to Laboratory program facilities. This position is in the Emergency Management Department, Fire Protection Division.

This position will be filled at either the TSS.2 or TSS.3 level depending on your qualifications. Additional job responsibilities (outlined below) will be assigned if you are selected at the higher level.

You will

- Specify, review, and approve criteria for fire protection systems in new facilities and those undergoing modifications.
- Perform fire protection inspections, appraisals, and fire hazards analysis of facilities; evaluate facility and experimental design and installation for adequacy of fire protection, utilize and apply the National Fire Protection Association (NFPA) Life Safety Code, Fire Prevention Code, and applicable Standards to analyze and determine adequacy of Fire Protection and Life Safety Systems, including but not limited to compliance with applicable codes and standards.
- Conduct fire investigations for fire protection system malfunctions, analyze incidents to determine the root cause and recommend appropriate action to be taken for future prevention,
and conduct job walks in program facilities on a regular basis to ensure implementation of fire protection principles.

- Observe construction contract fire protection system testing, analyze results provide guidance to the Fire Marshal for system acceptance.
- Develop written technical reports and procedures, participate in design reviews involving facility construction and commissioning activities, provide information to management and provide solutions to moderately complex technical problems, including analysis and review of technical reports related to facility design and fire protection adequacy.
- Perform all assignments and operations in accordance with ES&H, security, quality standards, Life Safety Codes and Standards, Department of Energy regulatory compliance, and Laboratory business practice policies and procedures.
- Perform other duties as assigned.

**Additional job responsibilities, at the TSS.3 level**

- Represent the Fire Protection Program and lead other technical staff in the application of the NFPA Life Safety Code, Fire Prevention Code, and applicable Standards.
- Develop original solutions to complex technical problems requiring in-depth analysis, conduct fire protection training to program and building occupants, and provide training to health and safety technicians on fire protection implementation.
- Serve as technical advisor to the Fire Marshal, and provide guidance and support associated with applicable regulations, documents, and policies for operational compliance.

**Qualifications**

- Ability to secure and maintain a U.S. DOE Q-level security clearance which requires U.S. citizenship.
- Bachelor's Degree in Fire Protection Engineering, Fire Protection Technology or related field or equivalent combination of education, and related experience.
- Comprehensive knowledge of automatic sprinkler inspections, testing, reviewing, and analyzing hydraulic calculations.
- Experience and demonstrated ability to evaluate, interpret, recommend, and implement solutions to moderately complex fire protection and related fire safety problems.
- Demonstrated analytical, decision making and problem-solving skills with ability to organize and effectively manage technical projects.
• Proficient verbal and written communication skills necessary to effectively collaborate with, and be a strong member of interdisciplinary teams, present and explain technical information, including ability to work independently on projects and to support program goals.
• Experience with personal computers and related software and proficiency in using Microsoft Word, Excel, and PowerPoint.
• Ability to lift and carry equipment up to 30 lbs. in a safe and controlled manner.

**Additional qualifications at the TSS.3 level**

• Significant experience in fire protection and advanced technical knowledge of associated codes, standards, regulations, and practices with special emphasis on the NFPA Life Safety Code and Fire Prevention Code.
• Advanced verbal and written communication, and interpersonal and facilitation skills necessary to effectively collaborate and work as a senior member of multi-disciplinary teams, participate in and lead design reviews, prepare and present complex technical data and reports, and provide advice to senior management, regulators, reviewers, stakeholders, and external sponsors.
• Proven ability to lead, prioritize and manage large, complex, high-visibility projects and scope that includes multiple and frequently conflicting and concurrent tasks in support of the Program mission.

**Qualifications We Desire**

• Experience in administration of an impairment control program and associated compensatory measures program for fire protection and life safety.
• Experience in highly protected risk insurance engineering as well as formal training in application of the Life Safety Code.
• Registered Fire Protection Engineer.

**Additional Information**

All your information will be kept confidential according to EEO guidelines.

**Position Information**

This is a Career Indefinite position, open to Lab employees and external candidates.

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• Flexible **Benefits Package**
• 401(k)
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• Employee engagement - visit [https://www.llnl.gov/diversity/employee-engagement](https://www.llnl.gov/diversity/employee-engagement)
Site 300

Site 300 is an experimental test site operated by LLNL. Situated on 7,000 acres in rural foothills approximately six miles southwest of downtown Tracy and 15 miles southeast of Livermore, Site 300 hosts approximately 200 employees with expertise in such fields as engineering, chemistry, biology, and environmental restoration. Employees assigned to work at Site 300 may be exposed to the organism that causes San Joaquin Valley Fever (coccidioidomycosis).

Security Clearance

This position requires a Department of Energy (DOE) Q-level clearance. If you are selected, we will initiate a Federal background investigation to determine if you meet eligibility requirements for access to classified information or matter. Also, all L or Q cleared employees are subject to random drug testing. Q-level clearance requires U.S. citizenship.

Pre-Employment Drug Test

External applicant(s) selected for this position must pass a post-offer, pre-employment drug test. This includes testing for use of marijuana as Federal Law applies to us as a Federal Contractor.

How to identify fake job advertisements

Please be aware of recruitment scams where people or entities are misusing the name of Lawrence Livermore National Laboratory (LLNL) to post fake job advertisements. LLNL never extends an offer without a personal interview and will never charge a fee for joining our company. All current job openings are displayed on the Career Page under “Find Your Job” of our website. If you have encountered a job posting or have been approached with a job offer that you suspect may be fraudulent, we strongly recommend you do not respond.


Equal Employment Opportunity

We are an equal opportunity employer that is committed to providing all with a work environment free of discrimination and harassment. All qualified applicants will receive consideration for employment without regard to race, color, religion, marital status, national origin, ancestry, sex, sexual orientation, gender identity, disability, medical condition, pregnancy, protected veteran status, age, citizenship, or any other characteristic protected by applicable laws.

We invite you to review the Equal Employment Opportunity posters which include EEO is the Law and Pay Transparency Nondiscrimination Provision.

Reasonable Accommodation

Our goal is to create an accessible and inclusive experience for all candidates applying and interviewing at the Laboratory. If you need a reasonable accommodation during the application or the recruiting process, please use our online form to submit a request.
California Privacy Notice

The California Consumer Privacy Act (CCPA) grants privacy rights to all California residents. The law also entitles job applicants, employees, and non-employee workers to be notified of what personal information LLNL collects and for what purpose. The Employee Privacy Notice can be accessed here.

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Experience Level

- Mid-Senior Level (2)

Employment Type

- Full-time (2)

Location

- Livermore, CA (2)
Organization

☐ Infrastructure and Operations (1)
☐ Operations and Business Office (1)

Security Clearance

☐ Anticipated DOE Q Clearance (2)