Fire Protection Engineer

DEPARTMENT OF ENERGY
Department of Energy

Open & closing dates
02/20/2020 to 02/28/2020

Service
Competitive

Pay scale & grade
GS 13

Salary
$91,231 to $118,603 per year

Appointment type
Permanent

Work schedule
Full-Time

Locations
1 vacancy in the following location:
Aiken, SC
1 vacancy

Relocation expenses reimbursed
Yes Relocation expenses MAY BE authorized, subject to the availability of funding.

Telework eligible
Yes as determined by agency policy

This job is open to

Career transition (CTAP, ICTAP, RPL)
Federal employees who meet the definition of a "surplus" or "displaced" employee.

The public
U.S. citizens, nationals or those who owe allegiance to the U.S.

Veterans

Clarification from the agency
U.S. Citizens Open to the public

https://www.usajobs.gov/GetJob/PrintPreview/560351800
2/24/2020
Announcement number
TN-20-SR-00268-DE

Control number
560351800

Duties

Summary
This position is located with the Savannah River Operations Office, Office of Safety and Quality Assurance, Performance Assurance Division, Aiken, SC

A successful candidate in this position will:

- serve as a technical expert for matters pertaining to life safety (industrial safety and integrated safety management) and fire protection and prevention for assigned facilities; and
- provide oversight of the contractor fire protection and prevention programs.

Responsibilities

As a Fire Protection Engineer you will:

- Serve as a technical expert for matters pertaining to life safety (industrial safety and integrated safety management) and fire protection and prevention for assigned facilities at SRS. Provide oversight of the contractor fire protection and prevention programs ensuring compliance with applicable codes, requirements, regulations, DOE Orders, standards, guides and practices.
- Review, monitor, evaluate, and analyze contractor programs/activities and performance with regard to fire protection and prevention and safety, to ensure that DOE-SR nuclear and non-nuclear facilities are in compliance with all fire protection codes, standards, and requirements.
- Provide oversight and/or advisory services in aspects of complex fire protection design considerations for projects.
- Advise contractors on DOE and DOE-SRS requirements to meet applicable safety standards and an improved risk level of fire protection, at the time of conceptual design or project proposal. Ensure appropriate engineering codes, standards, requirements, and DOE orders and guidelines are properly applied to the contracts, engineering designs, specifications, and operations.
- Inform line management of the status of the fire protection programs, fire protection issues, assessment findings, recommendations, and other matters involving communications. Provide DOE-SR management with advice and assistance on integration of Federal and contractor fire protection and safety management processes, including trending and analysis, issues management, oversight, lessons learned, etc.

Travel Required
Occasional travel - Limited overnight travel-1 night or less per month

Supervisory status
No

Promotion Potential
13

Job family (Series)
0804 Fire Protection Engineering
(https://www.usajobs.gov/Search/?t=0804)

Requirements

Conditions Of Employment
• You must be a United States Citizen.
• This employer participates in the e-Verify program.
• See "Other Information" section regarding Selective Service requirements.
• Your application and resume must be submitted by 11:59 p.m. of closing date
• All supplemental documentation MUST BE received by the closing date.

OTHER REQUIREMENTS:
• Incumbent must be able to obtain/maintain a DOE "Q" security clearance.
• This position is a Testing Designated Position (TDP) subject to testing for illegal drug use. The selectee must test negative prior to being appointed to this position and will be subject to random testing thereafter. Failure to pass or refusal to take subsequent tests could result in non-selection or disciplinary action, up to and including removal from the Federal service.
• Incumbent will be required to participate in the Technical Qualification Program (TQP).

Qualifications

SPECIALIZED EXPERIENCE REQUIREMENTS A qualified candidate's online application and resume must demonstrate at least one year of specialized experience equivalent to the next lower grade level (GS-12) in the Federal service.

Specialized experience for this position is defined as: Experience overseeing fire protection and prevention engineering programs and other life safety requirements and controls, to ensure the safety of the workers, visitors, and general public, promoting the incorporation of recognized practices and requirements of fire protection and prevention.

Your application and resume should demonstrate that you possess the following knowledge, skills and abilities (KSAs). Do not provide a separate narrative written statement. Rather, you must describe in your application how your past work experience demonstrates that you possess the KSAs identified below. Cite specific examples of employment or experience contained in your resume and describe how this experience has prepared you to successfully perform the duties of this position. DO NOT write "see resume" in your application!

1. Knowledge of advanced theories, concepts, and principles in the science of professional fire prevention, fire protection, and life safety engineering activities and practices sufficient to provide authoritative technical guidance to the contractor;
2. Knowledge of the requirements for safe operation of nuclear and/or non-nuclear facilities in regards to fire protection and prevention.
3. Skill and ability to conduct in-depth technical and programmatic assessments to effectively evaluate programs, projects, and/or activities and determine strengths, weaknesses, and trends in performance.
4. Skill in formulating and interpreting national and agency standards and provide authoritative technical guidance and oversight to contractor fire protection, fire prevention, and life safety programs.
5. Knowledge of national and agency fire protection and safety standards, requirements, and guides as a base to provide authoritative technical guidance.

"Experience" refers to paid and unpaid experience. Examples of qualifying unpaid experience may include: volunteer work done through National Service programs (such as Peace Corps and AmeriCorps); as well as work for other community-based philanthropic and social organizations. Volunteer work helps build critical competencies, knowledge, and skills; and can provide valuable training and experience that translates directly
to paid employment. You will receive credit for all qualifying experience, including volunteer experience.

CTAP/ICTAP candidates: To be considered "well qualified" you must meet all of the requirements as described in this section.

You must meet all qualifications and eligibility requirements by the closing date of this announcement.

Education

EDUCATION:

1. Degree: professional engineering. To be acceptable, the curriculum must: (1) be in a school of engineering with at least one curriculum accredited by the Accreditation Board for Engineering and Technology (ABET) as a professional engineering curriculum; or (2) include differential and integral calculus and courses (more advanced than first-year physics and chemistry) in five of the following seven areas of engineering science or physics: (a) statics, dynamics; (b) strength of materials (stress-strain relationships); (c) fluid mechanics, hydraulics; (d) thermodynamics; (e) electrical fields and circuits; (f) nature and properties of materials (relating particle and aggregate structure to properties); and (g) any other comparable area of fundamental engineering science or physics, such as optics, heat transfer, soil mechanics, or electronics.

OR

1. Combination of education and experience -- college-level education, training, and/or technical experience that furnished (1) a thorough knowledge of the physical and mathematical sciences underlying professional engineering, and (2) a good understanding, both theoretical and practical, of the engineering sciences and techniques and their applications to one of the branches of engineering.

Education must be obtained from an accredited institution recognized by the U.S. Department of Education.

Foreign education must be reviewed by an organization recognized by the U.S. Department of Education. For special instructions pertaining to foreign education and a list of organizations that can evaluate foreign education, see the Department of Education website. (http://go.usa.gov/29DP)

Additional information

Permanent Change of Station (PCS) is not authorized for this position. Incentives may be authorized, subject to availability of funding.

This position is Telework Eligible as determined by agency policy.

The U.S. Department of Energy fosters a diverse and inclusive workplace and is an Equal Opportunity Employer.

- New employees to the Department of Energy will be required to successfully pass the E-Verify employment verification check. To learn more about E-Verify, including your rights and responsibilities, visit www.dhs.gov/E-Verify (https://www.uscis.gov/e-verify)
- Veterans and persons with disabilities are encouraged to apply. For more information, please visit the links at the bottom of this page or visit the FedsHireVets (http://go.usa.gov/29A9) website.
- If you believe that you are eligible for the Interagency Career Transition Assistance Program (ICTAP), please visit the OPM ICTAP/CTAP website (http://go.usa.gov/29vm) for more information. In order to be considered under the ICTAP program, your application must score within the pre-established "well qualified" category as stated in the Qualifications section.
- More than one selection may be made from this vacancy announcement.
- Some positions may require completion of a probationary period of up to 1 (one) year.
Many positions require successful completion of a background investigation.

All males born after December 31st 1959 must abide by laws regarding Selective Service registration. To learn more about this law, visit the Selective Service web page, [Who Must Register](https://www.sss.gov/Registration-Info/Who-Registration).

If you are not registered and don’t have an approved exemption, you will not be eligible for employment with the Federal government.

EEO Policy: [https://www.eeoc.gov/federal/fed_employees/index.cfm](https://www.eeoc.gov/federal/fed_employees/index.cfm)


Veterans Information: [https://www.fedshirevets.gov/job-seekers/veterans-preference/](https://www.fedshirevets.gov/job-seekers/veterans-preference/)

Telework: [www.telework.gov](http://www.telework.gov)


How You Will Be Evaluated

The Department of Energy uses an application tracking system to evaluate the responses you provide in the applicant assessment questionnaire to place you into an initial quality category via OPM's Category Rating procedures. Then, the HR Office and/or Subject Matter Expert (SME) will conduct a quality review of your application and supporting documentation to ensure you have been placed into the appropriate quality category.

Your application is rated based on the extent and quality of your experience, education (when applicable), and training as described in your resume and applicant assessment. Your credentials are measured against the established duties of the position at the grade level(s) being advertised.

The quality categories are usually defined as "Best Qualified", "Well Qualified", and "Qualified", although they may differ slightly based on individual agency policy.

If you are eligible for career transition assistance plans such as ICTAP or CTAP, you must meet the definition of "well qualified" which is defined as having a score of 85 or better.

If you are a Veteran Preference eligible candidate, you will be listed at the top of whichever quality category your rating places you in. CP/CPS veterans are placed at the top of the highest category for all positions except professional and scientific positions at GS-9 and higher.

If your resume is incomplete or does not support the responses you provided in your online questionnaire, or if you fail to submit all required documentation before the vacancy closes, you may be rated 'ineligible', 'not qualified', or your score may be adjusted accordingly.

To preview questions please [click here](https://jobs.monteregovt.ca/doe/vacancy/previewVacancyQuestions.hms?orgld=1281&inum=94691).

Background checks and security clearance

**Security clearance**

Q Access Authorization

**Drug test required**

Yes
Position sensitivity and risk

Critical-Sensitive (CS)/High Risk

Trust determination process

National security

Required Documents

Please carefully review the following list to determine what documentation you need to submit. Some documents may not apply to all applicants.

If you are unsure, click the link for each document type to read more.

ALL APPLICANTS: You must submit a resume supporting your specialized experience and responses to the online questionnaire.

- Your resume should list all work experience (paid and unpaid); you must list the full name and address of each employer.
- For all types of work experience, you should indicate the start and end dates (include month, day, and year); you must also list the average number of hours per week that you worked.
- For paid work experience, please indicate your starting salary for each position and the highest salary you earned (if different).
- Your resume should also include any education and training you have completed (list the program title, subject area, number of hours completed, and completion date).
- For more information about what to include in your resume, please view this USAJOBS Resume Tutorial video on YouTube.

Most DOE offices will allow you to submit a resume in the format of your choice (as an attached document or as a USAJOBS Resume Builder format). However, some offices may require one specific format. You will be notified at the time you click ‘Apply Online’ which type of resume is acceptable. It is important that you are complete and thorough in your resume. If any of the above information is not included in your resume, we may not be able to fully credit you for your experience.

If specific educational requirements are indicated for this vacancy: Documentation verifying your educational claims

which can include unofficial transcripts or any report listing institution, course title, credits earned and final grade. Please see the Education section for more information.

Veterans: veteran eligibility documentation

(DD-214 Member #4 Copy, VA Letter, Standard Form (SF) 15 as applicable). Please note: If you are a veteran who has not yet been discharged, you may provide a statement of intent to discharge from your agency to receive Veterans Preference under the VOW (Veterans Opportunity to Work) to Hire Heroes Act of 2011.

Persons with Disabilities: Individuals with intellectual disabilities, severe physical disabilities, or psychiatric disabilities may apply for appointment through the Schedule A hiring authority. Certified verification of a disability from a licensed medical professional; a licensed vocational rehabilitation specialist; or any Federal, state, or District of Columbia agency or U.S. territory that issues or provides disability benefits will be required.

https://www.usajobs.gov/GetJob/PrintPreview/560351800

2/24/2020
Displaced Federal employees who qualify for CTAP/ICTAP: If you are a former Federal employee who was displaced due to a Reduction-in-Force (RIF) or surplused by some other means, please submit a copy of the separation letter or RIF notice from your agency. To be selected under I/CTAP, you must still be found well-qualified for this position. Please see the OPM Guide to Career Transition (http://www.opm.gov/policy-data-overview/workforce-restructuring/employee-guide-to-career-transition/) for more information.

If you are relying on your education to meet qualification requirements:

Education must be accredited by an accrediting institution recognized by the U.S. Department of Education in order for it to be credited towards qualifications. Therefore, provide only the attendance and/or degrees from schools accredited by accrediting institutions recognized by the U.S. Department of Education (http://www.accreditnation.org/).

Failure to provide all of the required information as stated in this vacancy announcement may result in an ineligible rating or may affect the overall rating.

Benefits

A career with the U.S. Government provides employees with a comprehensive benefits package. As a federal employee, you and your family will have access to a range of benefits that are designed to make your federal career very rewarding.

- Benefits for federal employees (https://www.usajobs.gov/benefits-for-federal-employees#item-36407)
- Healthcare insurance (https://www.opm.gov/healthcare-insurance/)

https://help.usajobs.gov/index.php/Pay_and_Benefits

Eligibility for benefits depends on the type of position you hold and whether your position is full-time, part-time, or intermittent. Contact the hiring agency for more information on the specific benefits offered.

How to Apply

To be considered for this position, you must submit your complete application no later than 11:59pm U.S. Eastern Time on the closing date of this announcement. If you do not submit a complete application prior to the closing time (regardless of when you started) the online application system will not allow you to finish! Requests for extensions will not be granted, so please begin the application process allowing yourself enough time to finish before the deadline. Our online application system displays a countdown timer at the top of the screen for your reference.

For your security, your session in our online application system will "time-out" if you are inactive for a certain period of time. We recommend that you preview the assessment questions before you apply and prepare all of your information prior to beginning the application. If you do get "timed-out" you will have to log back in to USAJOBS and re-visit the vacancy announcement, you can then click "Update Application" to finish where you left off.

Steps to submit a complete application:

1. Click the "Apply Online" button. If you are not already logged in, you will need to do so.

2. You must have a complete resume associated with your USAJOBS account. Please note that some DOE offices do not accept uploaded resumes and instead require that you submit a USAJOBS-formatted resume using the Resume Builder

https://www.usajobs.gov/GetJob/PrintPreview/560351800
3. You will be prompted to select a resume and any documentation you have attached to your USAJOBS account before you are transferred to the Department of Energy's online application system. Please be aware that any document you select before being transferred to our system, will not automatically be received. You must take steps to download your documents from USAJOBS during the "Documents" step within our online application system (see Step 6).

4. If you are a first-time applicant to the Department of Energy, you'll be asked to register an account first. If you are a returning applicant, you will skip this step and go straight to the application portion.

5. You must respond to all applicant assessment questions, carefully following all instructions provided.

6. You will then be asked to upload additional supporting documentation. If you selected documents from USAJOBS prior to being transferred to our application system (Step 3), you will need to click the "USAJOBS" link to complete the transfer process. These documents ARE NOT automatically transferred! It is ultimately your responsibility to make sure all required documents are either faxed, uploaded, or transferred from USAJOBS successfully. If you are unsure that your documents went through, please contact the HR Specialist listed on the announcement BEFORE the vacancy closes.

7. After reviewing your submission in the final step, you must click "Submit Application" at the bottom of the page. If you leave the application before clicking Submit, your application will not be received.

If your resume does not support the responses in your application questionnaire, or if you fail to submit required documentation before the vacancy closes, you may be rated 'ineligible', 'not qualified', or your score may be adjusted accordingly.

NEED HELP?
• If you experience any difficulties with the online application process (anything after you have clicked the 'Apply Online' button): contact the HR Office listed on this announcement between normal business hours. If you are receiving any kind of error message, please be ready to provide a screenshot or at a minimum, the error message text and number. If necessary, we will put you in touch with the technical support number if we are unable to assist you personally.

• If you need help with USAJOBS (searching for jobs, account password/profile issues, or Resume Builder): please visit the USAJOBS Resource Center (https://help.usajobs.gov/index.php/Main_Page) and select a topic of inquiry. Or, you may reach out to USAJOBS directly for support, by visiting the USAJOBS Contact Us (https://www.usajobs.gov/Home/ContactUs) page. We regret that we are unable to support any issues with USAJOBS, as this service is not maintained by the Department of Energy.

• If you are experiencing a significant hardship which hinders your ability to apply online please contact the HR Office listed on this announcement during normal business hours to discuss your situation.

Agency contact information

👩‍💼 Patricia Ciavardone

Phone
301-525-7626 (tel:301-525-7626)

Fax
000-000-0000

Address
Department of Energy
1000 Independence Ave SW
Washington, District of Columbia 20585
United States
Email
Patricia.Clavardone@hc.doe.gov
mailto:Patricia.Clavardone@hc.doe.gov

Learn more about this agency
#agency-modal-trigger

The mission of the Department of Energy's (DOE) Environmental Management (EM) is to complete the safe cleanup of the environmental legacy brought about from five decades of nuclear weapon development and government-sponsored nuclear energy research. For more information about EM and the Savannah River Site (SRS), visit www.em.doe.gov
(http://www.em.doe.gov/)

This position is located with the Savannah River Operations Office, Office of Safety and Quality Assurance, Performance Assurance Division, Aiken, SC

Next steps

After each step in the recruitment process, your status will be updated in our application tracking system. Once this happens, if you have elected to receive e-mail updates, you will be notified through your USAJOBS registered e-mail address. If you have not elected for e-mail updates, you can review your current application status in USAJOBS at any time. Please check that your USAJOBS profile contact information is current and correct each time you apply to a job—this will ensure we are able to contact you as quickly as possible.

In addition to changing your status online, we will send you e-mail notifications at each major step in the process, to include: application received, eligible or not eligible, referred or not referred, selected or not selected.

Fair & Transparent

The Federal hiring process is setup to be fair and transparent. Please read the following guidance.

Equal Employment Opportunity Policy

The United States Government does not discriminate in employment on the basis of race, color, religion, sex (including pregnancy and gender identity), national origin, political affiliation, sexual orientation, marital status, disability, genetic information, age, membership in an employee organization, retaliation, parental status, military service, or other non-merit factor.

- Equal Employment Opportunity (EEO) for federal employees & job applicants
  (https://www.eeoc.gov/federal/fed_employees/index.cfm)

Reasonable Accommodation Policy

Federal agencies must provide reasonable accommodation to applicants with disabilities where appropriate. Applicants requiring reasonable accommodation for any part of the application process should follow the instructions in the job opportunity announcement. For any part of the remaining hiring process, applicants should contact the hiring agency directly. Determinations on requests for reasonable accommodation will be made on a case-by-case basis.

A reasonable accommodation is any change to a job, the work environment, or the way things are usually done that enables an individual with a disability to apply for a job, perform job duties or receive equal access to job benefits.

Under the Rehabilitation Act of 1973, federal agencies must provide reasonable accommodations when:

- An applicant with a disability needs an accommodation to have an equal opportunity to apply for a job.
• An employee with a disability needs an accommodation to perform the essential job duties or to gain access to the workplace.

• An employee with a disability needs an accommodation to receive equal access to benefits, such as details, training, and office-sponsored events.

You can request a reasonable accommodation at any time during the application or hiring process or while on the job. Requests are considered on a case-by-case basis.

Learn more about disability employment and reasonable accommodations
or how to contact an agency.
(https://www.usajobs.gov/Help/how-to/application/agency/contact/)

Legal and regulatory guidance

Financial suitability

Social security number request

Privacy Act

Signature & False statements

Selective Service

New employee probationary period
Vacancy Details

Vacancy Questions Preview

Grade: 13
No questions specified.

Grade: All Grades

1. I understand that the responses provided in this questionnaire must be fully supported in my online resume. I further understand that my resume must provide detailed descriptions and/or examples of my knowledge, skill, and abilities as required in the vacancy announcement and that my failure to do so, may result in my being rated "Ineligible" or "Not Qualified" for this position.

   Yes
   No

2. Are you currently serving or have served in the last five (5) years in a Political Appointment in the Federal Government?

   Yes
   2.1 Please list the title, agency and dates of this appointment. Please note you will be required to provide proof to meet OPM Approval of your appointment if selected. (Maximum length of 1000 characters.)

   No

3. This position requires a security clearance. Are you able to obtain or maintain a security clearance?

   Yes
   No

4. Do you have dual citizenship with the United States and another country?

   Yes
   4.1 Please list the country(ies), other than the United States, with which you possess citizenship. (Maximum length of 250 characters.)
You must meet the minimum basic educational/experience requirements for professional engineering positions in the federal government. Choose one answer which best describes your educational/experience background for an engineering position.

I have earned a Bachelor's degree in professional engineering. My curriculum was in a school of engineering with at least one curriculum accredited by the Accreditation Board for Engineering and Technology (ABET).

I have a combination of education and experience equivalent to a bachelor's degree in engineering, demonstrated by my current registration as a Professional Engineer by any state, District of Columbia, Guam or Puerto Rico.

I have a bachelor's degree in professional engineering that included differential and integral calculus and courses (more advanced than first-year physics and chemistry) in five of the seven following areas of fundamental engineering science or physics: statics, dynamics; strength of materials; fluid mechanics, hydraulics; thermodynamics; electrical fields and circuits; nature and properties of materials; and any other comparable area of engineering science or physics, such as optics, heat transfer, soil mechanics or electronics.

I have successfully completed 60 semester hours of courses in the physical, mathematical, and engineering sciences, and engineering that included the specified courses in 3 above. (Note: These courses must have been fully acceptable toward meeting the requirements of a professional engineering curriculum.)

I have successfully completed a curriculum leading to a Bachelor's degree in engineering technology (BET) or in a related professional field, e.g., physics, chemistry, architecture, computer science, mathematics, hydrology, or geology PLUS I have at least 1 year of professional engineering experience acquired under professional engineering supervision and guidance.

I have successfully passed the Engineering-in-Training examination and have earned one of the following: (a) a Bachelor's degree in engineering technology (BET) from an accredited college or university that included 60 semester hours of courses in the physical, mathematical, and engineering sciences, or (b) a Bachelor's degree in engineering technology (BET) from a program accredited by the ABET.

I do not meet any of the education and/or combination of education and experience under any of the choices above.

To qualify for the GS-13 level of this position, you must have at least one year of specialized experience equivalent to the GS-12 in the Federal Service. Specialized experience for this position is defined as: Experience overseeing fire protection and prevention engineering programs and other life safety requirements and controls, to ensure the safety of the workers, visitors, and general public, promoting the incorporation of recognized practices and requirements of fire protection and prevention.

I possess at least one year of specialized experience equivalent to the GS-12 level in the Federal Service performing work related to the duties of the position as described above.
6.1 Where in your resume can the information be found to support your answer to the question above? (Identify the job title and beginning and ending dates). Please be sure your resume includes supporting details of the relevant work you performed. (Maximum length of 250 characters.)

I do not possess one year of specialized experience equivalent to the GS-12.

7 Which of the following fire protection/life-safety activities have you performed? (Select all that apply)

- Performed worksite inspections
- Identification of life-safety hazards
- Reviewed work plans for construction and renovation
- Reviewed Life Safety Code equivalency plan for unusual hazards
- Hydraulic calculations for adding a sprinkler
- Reviewed submitted fire protection plans for compliance with the Life Safety Code
- Interpreted Federal safety and health regulations for compliance with the Life Safety Code
- Internal review/assessment of fire protection programs
- None of the Above

8 Which codes have you independently used for design and construction projects? (Select all that apply)

- International Building Code
- International Fire Code
- NFPA 70, National Electrical Code
- NFPA 72, National Fire Alarm Code
- NFPA 13, Standard for the Installation of Sprinkler Systems
- NFPA 20, Standard for the Installation of Stationary Pumps for Fire Protection
- NFPA 25, Standard for the Inspection, Testing and Maintenance of Water-Based Fire Protection Systems
NFPA 75, Standard for the Protection of Information Technology Equipment

None of the above

9. Please indicate your experience in reviewing or preparing fire accident analysis for safety basis documentation. (Select all that apply)

Education or training

Reviewed or prepared facility authorization basis documents

Participated on safety basis review teams

Reviewed fire-related occurrences or incident reports

None of the above

10. Please select the responses that reflect your experience reviewing building plans. (Select all that apply)

Reviewed drawings, sketches, and notes for small building renovations

Reviewed specifications, project drawings, and contract submittals for major building renovations

Reviewed specifications, project drawings, and contract submittals for new building constructions

Reviewed specifications, project drawings, and contract submittals for new high-rise buildings

None of the above

11. From the list below, please indicate your experience in performing research and analysis to solve problems, offering timely solutions to complex fire protection issues, and keeping management fully informed on the status of the fire protection programs. (Select all that apply)

Prepared and presented technical data, both orally and in writing, in order to make final reports to management

Prepared plans, procedures, reports, graphs, charts, briefings, and fact papers

None of the above

12. Which of the following areas have you reviewed, monitored, and evaluated for fire protection and life safety problem identification, root cause determination, and the implementation of appropriate corrective actions? (Select all that apply)
Nuclear

Radiological

Emergency Response

Industrial Safety

Emergency Egress

Maintenance

Emergency Response Training

Laboratory Operations

Accelerator Operations

Quality Assurance

None of the above

* 13 Which safety systems have you witnessed final acceptance testing for construction projects? (Select all that apply)

Fire alarm systems

Fire alarm system interface with other systems (e.g., HVAC, security, etc.)

Sprinkler systems

Fire pumps

Standpipe and fire department hose connection systems

Gaseous Clean Agent Systems (FM200, Novec 1230 or equivalent)

Smoke management systems

Emergency power systems

Fire doors and windows

Emergency lighting and exit lighting

Exit signage
14. This position requires providing subject matter expert advice and requires participation in specialized field reviews, assessments, audits and/or inspections related to fire protection and life safety features, procedures, and processes. (Select one response which best describes your experience level)

- I performed this task as part of a special assignment.
- I performed this task as part of a working group.
- I performed this task independently on a regular and recurring basis as part of my normal duties.

None of the above

15. From the list below, please indicate the methods and techniques utilized on a regular basis in order to perform fire risk analyses to analyze the fire hazards, potential for property loss, personnel safety, limits and controls. (Select all that apply)

- National Fire Protection Association standards in assessing a nuclear facility
- National Fire Protection Association standards in assessing a non-nuclear hazardous facility
- Federal requirements and standards in assessing a nuclear facility
- Federal requirements and standards in assessing a non-nuclear hazardous facility

None of the above