Fire Protection Engineer

DEPARTMENT OF ENERGY

1 vacancy in the following locations:

- Idaho Falls, ID
- Germantown, MD
- Aiken, SC
- Oak Ridge, TN
- Richland, WA

Work Schedule is Full Time; Competitive Status - Permanent

Opened Monday 6/6/2016 (0 day(s) ago)

Closes Monday 6/20/2016 (14 day(s) away)

Salary Range
$99,785.00 to $160,300.00 / Per Year

Series & Grade
GS-0804-14/15

Promotion Potential
15

Supervisory Status
No

Who May Apply
All US Citizens

This position is being also advertised via merit promotion under announcement #DOE-MP-16-EM-00283-MP

Control Number
441082800

Job Announcement Number
DOE-MP-16-EM-00283-DE

Job Summary

About the Agency

This position is located in the Office of Safety Management, within the Office of the Deputy Assistant Secretary (DAS) for Safety Management and Operations, Office of Environmental Management. The mission of the Office of Safety Management is to ensure proper implementation and continuous improvement of Integrated Safety Management Systems (ISMS) in the Environmental Management (EM) complex. This office serves as a focal point for EM safety standards and policy development, interpretation, and interfaces with internal/external oversight organizations. It serves as the focal point (liaison function) within EM on all Defense Nuclear Facilities Safety Board (DNFSB) related issues and ensures timely and technically sound resolution of its recommendations and concerns.

The Office of Environmental Management is looking for a Fire Protection Engineer to serve as the agency authority in the field of fire protection engineering principles that support environmental management/cleanup providing oversight, guidance, coordination, advice, technical consultation, and support for the planning, development, implementation, analysis, and evaluation of comprehensive fire protection programs and activities in support of the mission of EM.

Duties

As a Fire Protection Engineer at the GS-14 grade level, you will:

- Make recommendations to improve technical quality through review of plans for fire protection systems, fire safety reports, assessments, analyses, correspondence, and authorization basis documents.
- Assure and improve safety performance at EM sites by providing oversight in the areas of fire safety and fire protection engineering.
- Assist improvement of EM fire safety performance by providing technical support to EM elements in the area of fire safety.
- Assist with applications of fire codes, standards and directives to safety basis of facilities.
- Support Field Offices in ensuring that EM contractors’ are involved in the identification and analysis of fire hazards, the development of controls, and the feedback and improvement process.
- Support EM meetings and correspondences with other federal agencies, national laboratories, state and federal environmental regulators and other stakeholders to recommend policy positions and national program strategies.
• Assist the Director, Office of Safety Management, in providing program and technical direction to professional employees specifically engaged in EM-wide fire protection activities as well as related environment, safety, and health (ES&H) functions for which the office is responsible.

**As a Fire Protection Engineer at the GS-15 grade level, you will:**

• Devise plans to improve technical quality through review of plans for fire protection systems, fire safety reports, assessments, analyses, correspondence, and authorization basis documents.

• Assure and improve safety performance at EM sites by providing oversight in the areas of fire protection and emergency response.

• Direct initiatives that ensure the improvement of EM fire safety performance by providing technical support to EM elements in the area of fire protection.

• Update and evaluate the applications of fire codes, standards and directives to safety basis of facilities.

• Support Field Offices in ensuring that EM contractors’ are involved in the identification and analysis of fire hazards, the development of controls, and the feedback and improvement process.

• Provide program and technical direction to professional employees specifically engaged in EM-wide fire protection activities as well as related environment, safety, and health (ES&H) functions for which the office is responsible.

• Serve as work coordinator or as appropriate working group leader as assigned by Office Director applying project leadership and team-building skills to achieve the specific tasks of the team and to produce work products and services that meet the programmatic goals as directed by the Office Director.

• Travel to sites and provide in-depth feedback to field sites based on physical walk throughs and assessments of contractor and field office documentation.

**Travel Required**

• Occasional Travel

• 5 to 6 days per month

**Relocation Authorized**

• No

**Key Requirements**

• You must be a United States citizen.

• This employer participates in the e-Verify program.

• Males must abide by Selective Service registration requirements.

**Qualifications**

**BASIC EDUCATION QUALIFICATION REQUIREMENT:** In addition to the required specialized experience and selective placement factor, applicants **MUST** meet the basic education requirements listed below.

A. Successful completion of a four year course of study leading to a Bachelor’s or higher degree in 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.

**(NOTE: You must submit a copy of your transcripts along with your application for verification.)**

**OR**

B. 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. (NOTE: You must submit a copy of your transcripts along with your application for verification.) The adequacy of such background must be demonstrated by one of the following:

- **Professional registration** -- Possess a current registration as a professional engineer by any State, the District of Columbia, Guam, or Puerto Rico. (NOTE: You must submit a copy of your current registration along with your application for verification.) OR

- **Written test** -- Evidence of having successfully passed the Engineer-in-Training (EIT) examination, or the written test required for professional registration, which is administered by the Boards of Engineering Examiners in the various States, the District of Columbia, Guam, and Puerto Rico. (NOTE: You must submit a copy of your EIT examination along with your application for verification). OR

- **Specified academic courses** -- Successful completion of at least 60 semester hours of courses in the physical, mathematical, and engineering sciences and in engineering that included the courses specified in the basic requirements. The courses must be fully acceptable toward meeting the requirements of a professional engineering curriculum as described in paragraph A above. (NOTE: You must submit a copy of your current transcript along with your application for verification.) OR

- **Related curriculum** -- Successful completion of a curriculum leading to a bachelor's degree in engineering technology or in an appropriate professional field, e.g., physics, chemistry, architecture, computer science, mathematics, hydrology, or geology, may be accepted in lieu of a degree in engineering, provided you have at least 1 year of professional engineering experience acquired under professional engineering supervision and guidance. (NOTE: You must submit a copy of your transcripts along with your application for verification.)

More information on basic education qualification requirements for this position can be found at [Basic Qualification Requirements for the Engineering Series](https://www.opm.gov/policymanual/Resources/Pay/Miscellaneous/BasicQualifications/Miscellaneous/BasicQualifications/)

This vacancy has a mandatory education requirement (also known as a "positive educational requirement"). Therefore, you must provide documentation supporting any education claims in your application. 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](https://www.ed.gov).

**SPECIALIZED EXPERIENCE REQUIREMENTS**

**GS-14 LEVEL:** Applicants must have at least one year of specialized experience equivalent to the next lower grade level (GS-13) in the Federal service. Specialized experience is defined as experience that demonstrates knowledge of fire protection engineering practices and techniques to establish and evaluate systems, programs, or oversee major projects.

**GS-15 LEVEL:** Applicants must have at least one year of specialized experience equivalent to the next lower grade level (GS-14) in the Federal service. Specialized experience is defined as experience that demonstrates the skill to identify requirements for fire protection programs, develop program documents, determine and review property protection and life safety related requirements.

**SELECTIVE PLACEMENT FACTOR**

In addition to meeting the basic education requirements and specialized experience, applicants must possess the following selective placement factor to receive further consideration for this position. You will be asked to address how you meet this selective placement factor during the questionnaire assessment portion of this vacancy announcement. The **Selective Placement Factor** is as follows: Applicants must have detailed knowledge and in-depth experience related to the fire protection systems on the safety of nuclear facilities.

More information on qualification requirements for this position can be found at [Fire Protection Engineer, GS-0804, OPM Qualification Standards](https://www.opm.gov/policymanual/Resources/Pay/Miscellaneous/QualificationStandards/Miscellaneous/QualificationStandards/)


ADDITIONAL QUALIFICATION REQUIREMENTS: 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, principles, methods and concepts of fire protection engineering and related environment, safety, and health (ES&H) activities in order to serve as a nationally recognized authority on fire protection.

2. Knowledge of National Fire Protection Association Codes and Standards, fire protection certification and training requirements, and other regulatory and statutory guidelines/standards in order to establish, promulgate, implement, and coordinate fire protection activities, assess overall program effectiveness, and ensure adequate self-assessment activities.

3. Comprehensive, in-depth, and fully current knowledge of Federal, state, and local fire protection and related safety and health regulatory requirements, practices and procedures in order to establish, evaluate and implement program requirements and policies; interpret and advise on program and technical requirements; and ensure and achieve program/policy/technical compliance.

4. Knowledge of advanced nuclear, chemical, and conventional fire protection principles, practices, standards, equipment, and techniques sufficient to determine, develop, promulgate, evaluate and provide authoritative technical and operational oversight, advice and support on fire protection requirements and methods.

"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.

Time-in-Grade: Current Federal employees must meet time-in-grade requirements by the closing date of this announcement to receive consideration.

CTAP/ICTAP candidates: To be considered "well qualified" you must meet all of the requirements as described in this section. Well-Qualified is defined as CTAP/ICTAP candidates who meet the minimum qualification requirements and have a score of 85 or above.

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

- You must meet all qualification and eligibility requirements outlined in this vacancy announcement by the closing date.
- Only experience obtained at the time of the application will be considered, however, you can update your resume and application submission at any time during the opening period of this vacancy announcement.
- A preliminary background check may be completed before a new employee can begin work. Current Federal employees or other individuals with an existing completed background investigation may not be required to undergo another background check.
- Incumbent must be able to obtain/maintain a DOE "Q" security clearance.
- This position is a Testing Designated Position 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 and complete the DOE Technical Qualification Program DOE-STD-1137 training for Fire Protection Engineer, if not currently qualified.

• If selected for this vacancy, you will be required to submit a Confidential Financial Disclosure Report form (OGE Form 450) prior to your appointment to this position. For additional information and to obtain the form, please visit the Office of Government Ethics.

Security Clearance
Q - Sensitive

What To Expect Next
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.

BENEFITS
Review our benefits

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

• Veterans and persons with disabilities are encouraged to apply. For more information, please visit the FedHireVets website.

• If you believe that you are eligible for the Interagency Career Transition Assistance Program (ICTAP), please visit the OPM ICTAP/CTAP website 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. If you are not registered and don’t have an approved exemption, you will not be eligible for employment with the Federal government.


Veterans Information: https://help.usajobs.gov/index.php/

Telework: www.telework.gov

Selective Service Registration: http://www.sss.gov/

To be considered for this position, you must submit your complete application no later than 11:59 P.M. U.S. Eastern Time on the closing date of this announcement. If you fail to 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
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. You must have an active USAJOBS account and be logged in.
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/ Resume Builder).
3. Once you are logged in and all your application materials are ready, click on the ‘Apply Online’ button to get started.
4. You will be given the option to include your resume, documents, and demographic information from your USAJOBS profile. You will then be transferred to the Department of Energy's online application tracking system. **If you select documents from your USAJOBS account, you MUST complete the download process in a later step or your USAJOBS documentation WILL NOT be transferred! See Step 6.**
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 select documents from USAJOBS prior to being transferred to our online application system (Step 4), 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 Office listed on the announcement BEFORE the vacancy closes.**
7. **IMPORTANT:** In the final step of the application process, you will be shown a copy of your resume and all information you entered during the application process. You must click the ‘Finish’ button at the bottom of the page and receive confirmation that your application has been received. If you do not click ‘ Finish’, 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),** please 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 and select a topic of inquiry. Or, you may reach out to USAJOBS directly for support by visiting the USAJOBS Contact Us 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.

**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.

Please carefully review the following list to determine what documentation you MUST 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 the 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 grade/salary for each position and the highest grade/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](https://www.youtube.com/watch?v=dQw4w9WgXcQ) 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.

Current and former Federal employees: Most recent SF-50 (Standard Form 50 - Notice of Personnel Action). To properly verify status eligibility, your SF-50 must show the following. If you do not submit an appropriate SF-50, we cannot verify your status eligibility!

1. Full position title;
2. appointment type;
3. occupational series;
4. pay plan, grade, and step;
5. tenure code; and
6. service computation date (SCD).

If you currently occupy an excepted service position (see block #34 of SF-50), you must also submit an SF-50 reflecting your prior competitive service appointment or be serving in an agency with a current OPM interchange agreement to validate your eligibility for
this position. Submit a copy of the current OPM interchange agreement with the SF-50.

**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 Basic Education Qualification Requirement 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.

**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 ICTAP/CTAP, you must still be found well-qualified for this position. Please see the [OPM Guide to Career Transition](#) for more information.

---

**Department Of Energy**

**Department of Energy**

**Contact**

Jarrett Johnson
Phone: 513-744-4009
Email: jarrett.johnson@hc.doe.gov

**Address**

Department of Energy
1000 Independence Ave SW
Washington
DC
US
000-000-0000

---

[Only Here](#) will you define the future of energy. [www.jobs.energy.gov](http://www.jobs.energy.gov)

---

[Reasonable Accommodation Policy Statement](#) | [Veterans Information](#) | [Legal and Regulatory Guidance](#)