



**Title:** Fire Protection Engineer - Limited Duration  
**Department:** 4400 Fire Department  
**Location:** Fire Department  
**Division:** Aviation  
**Auto req ID:** 981BR  
**Compensation:** Minimum \$81,386 to Midpoint \$101,733

Please apply online at: [www.portseattle.org/jobs](http://www.portseattle.org/jobs)

**PURPOSE:**

To represent the Fire Department as the Fire Code Official at the Seattle-Tacoma International Airport. The Fire Code Official serves as a technical subject matter expert, plan reviewer, inspector, and compliance officer to ensure all projects and systems are in compliance with all Federal, State, and Local mandated Fire codes, standards and regulations.

**ESSENTIAL FUNCTIONS:**

*This list is ILLUSTRATIVE ONLY, and is not a comprehensive listing of all functions and duties performed. Essential duties and responsibilities may include, but are not limited to, the following:*

- Perform complex and advanced professional fire protection engineering and building code review of engineering calculations and plans submitted with applications for building permits to determine conformance with the International Building Code, International Fire Code, NFPA and all related codes.
- Provide oversight, guidance and direction to airport management on technical issues and/or code requirements for all capital works, tenant, and PCS construction projects. Provide a technical resource and center of technical expertise on Fire Protection.
- Conduct field inspections as necessary; investigate field problems affecting property owners, contractors and maintenance operations; generate clear and concise reports of findings and provide a conduit for resolution.
- Review, analyze, and evaluate fire protection, emergency, and life safety plans for the Port including complex structures such as high-rise buildings, walls, commercial developments, and industrial facilities.
- Prepare, manage and maintain system models, configuration controls, documentation, programming and as-built records/drawings for the fire protection systems on all projects.
- Answer technical questions from engineers, architects, developers, contractors, stakeholders and the general public regarding Port of Seattle regulations and policies.
- Collaborate with the Fire Marshal and provide technical knowledge for administrative related matters including training fire department personnel on existing and new fire protection/life system systems, rewriting policies and procedures and implementing new standards.
- Point of contact for the Fire Department for construction activities is responsible for the interpretations and enforcement of all applicable laws, regulations and policies. Responsible for knowing and enforcing all land use and building requirements for construction activity contained in an inter-local agreement between the Port and the City of SeaTac.
- Signature authority during all aspects of the permitting process and is required to sign off on all designs prior to construction and on all projects prior to occupancy.
- Represent the Port in national, state and regional development in the area of building code development, sustainability, asset management and other programs.

**KNOWLEDGE, SKILLS & ABILITIES:**

Knowledge and expertise of fire protection engineering concepts; modern fire safety protection systems; complex building design and construction; chemical process operations, chemical hazards, and chemical facility security measures; performance based code design concepts; risk assessment and consequence analysis techniques; complex mathematical concepts, systems engineering principles and safety requirements and their implications. Knowledge of the construction process including: design, permitting, construction, testing, commissioning, activation, maintenance, closeout and the ability to influence each phase. Knowledge of project and capital management principals, including: better business practices, change management methodologies, scheduling, estimating and material quantity take-offs, asset management, facilities management, space planning, sustainability.

Strong leadership, collaborative, and customer service skills. Analytical skills with the ability to utilize critical thinking, judgment, engineering training and acquired knowledge to provide a clear and concise direction. Exceptional interpersonal, verbal, and written communication skills. Computer skills, specifically: Building Information Modeling (BIM), computer-aided drafting (CAD), Microsoft Office, and other related engineering software applications.

Interpret engineering drawings in accordance with Port and industry standards, including plans, details, and technical notes, make public presentation and present technical analyses and recommendations to non-technical audiences. Ability to perform difficult and specialized site inspections, technical reviews, and audits to identify and document problems and deviations from the engineering design and to enforce codes and standards with tact and impartiality. Ability to oversee, prioritize, and meet deadlines under pressure on multiple projects while simultaneously while handling large volumes of work by working independently or as part of a diverse team.

**QUALIFICATIONS:**

- Bachelor Degree in Engineering or related field; and
- Eight (8) years of experience in fire protection systems and/or experience in safety codes and requirements for fire protection and life safety system.

**PREFERRED QUALIFICATIONS:**

- Master's Degree in Engineering or related field; and
- Nine (9) years of experience in a large campus facility working with integration of many systems for operational integrity of the facility.

**ADDITIONAL INFORMATION:****Driver's License Requirement:**

A valid Washington State Driver's License, or the ability to obtain one, is required.

**Weekly Standard Hours:**

Normal work schedule is Monday through Friday, 8:00 a.m. – 5:00 p.m. (40 hours per week).

**Limited Duration:**

**This is a limited duration position and is expected to last no longer than September 2020.**

**Work Environment:**

Will generally work in an office environment.

*The Port of Seattle is an Equal Opportunity Employer, Affirmative Action Employer and is committed to diversity in the workplace. Minorities, women, veterans and individuals with disabilities are encouraged to apply.*