K&J SAFETY AND SECURITY CONSULTING SERVICES, INC.

POSITION DESCRIPTION

FIRE PROTECTION ENGINEER, ED-015

DEPARTMENT / OFFICE: ENGINEERING SERVICES

SUMMARY:

The Fire Protection Engineer is a senior level professional position responsible for the oversight and coordination of fire protection and related risk mitigation activities. The Fire Protection Engineer is responsible for leading and managing multi-disciplinary and multi-departmental investigations, inspections, reviews and audits of client facilities, stations and structures to determine compliance/non-compliance with all applicable fire regulations, codes, standards and laws. The Fire Protection Engineer documents all findings from investigations, audits and inspections in order to produce comprehensive reports, presentations and recommendations for dissemination to executive and senior management within K&J as well as to select client representatives. The Fire Protection Engineer is K&J’s focal position for assuring the collaboration of our client’s riders, design, construction, procurement and maintenance organizations to ensure the configuration management and effectiveness of all smoke and fire detection, communication and suppression systems are maintained in conformance with applicable fire codes, regulations and industry standards.

This position works closely with jurisdictional fire departments to ensure continuity of client’s operations. The Fire Protection Engineer is responsible for the development, direction, administration, monitoring, coordination and implementation of the fire and life safety operations of our client’s Agency Safety Program Plan (ASP), as well as Emergency Operations Plan, Emergency Evacuation Plan, Emergency Response Plan and Emergency Action Plans. The position provides technical expertise in the review and administration of projects involving fire codes and specification plan reviews. The position may serve as liaison with other governmental agencies and communities. The position may require the development and evaluation of emergency drills and exercises in accordance with Homeland Security Exercise and Evaluation Program (HSEEP) to support client readiness. The Fire Protection Engineer may serve on our clients Executive Safety Committee (ESC), and may be required to advise the General Manager/Chief Executive Officer, Chief Safety Officer, and/or departmental executives and senior managers of our clients on matters related to fire and life safety. The position is
responsible for the supervision and direction of the work of all Department of System Safety personnel assigned to fire protection activities. This position has significant latitude for independent judgment and action within established guidelines and works under the general supervision of the Engineering Services Department Manager of K&J with the ultimate oversight provided by the Chief Engineer of K&J.

MAJOR DUTIES:

• Provides recommendations concerning fire and life safety issues to K&J leadership, to include the Chief Executive Officer, Chief Engineer, Departmental Managers and senior leaders.

• Reviews client construction plans and specifications for fire and life safety code conformance. Resolves fire and life safety nonconformance issues with contractors, designers and architects.

• Stops unsafe work activities or hazardous conditions affecting our clients and their customers, their employees, the general public and contractors working on our client’s property.

• May serve on our clients Executive Safety Committee/Fire Life Safety Committee to report on and provide advice on fire/life safety issues within our client’s property.

• When authorized, the Fire Protection Engineer issues formal “notice of violations” to client contractor staff whenever a nonconformance to accepted codes, standards or industry best practices is identified. Determines the effectiveness of proposed actions to mitigate or resolve the identified nonconformance.

• When needed. Provides employee with public education in fire prevention, including giving seminars, demonstrations, and presentations before community groups, schools, and other organizations or institutions.

• Inspects and evaluates existing client structures, systems, construction and remodel sites to determine conformance with fire and life safety codes.

• Resolves code conformance issues with user organizations and jurisdictional fire code enforcement agencies.

• Monitors acceptance testing on special systems such as automatic fire sprinkler systems, wet and dry standpipe systems, fire pumps, fire alarms, and fixed fire-extinguishing/suppression systems and Compressed Natural Gas (CNG) and fire suppression systems on buses.
• Provides oversight of the inspection, testing and maintenance programs of various client fire and life safety systems, to include: smoke and fire detection, fire suppression, and fire/smoke alarm, monitoring and communications systems.

• Leads multi-disciplinary annual inspections of client facilities, equipment and systems to evaluate the effectiveness of fire and life safety programs, conformance to fire and life safety code requirements, conditional and operational readiness of fire and smoke detection, communication and suppression systems.

• Responds to client complaints/concerns regarding fire code violations and fire hazards.

• Issues notifications to clients of potential fire code nonconformance. Develops and maintains a variety of data and records regarding fire inspection and prevention activities; prepares reports regarding fire inspection or prevention as required.

• Responsible for the oversight of the configuration management of fire life and safety logs and data systems as needed by our clients.

• Leads detailed investigations of fire scenes, including those involving vehicles, to determine cause and origin of fires and prepares comprehensive investigation reports, including recommendations to mitigate identified deficiencies, for distribution to responsible client departments and offices for corrective action and follow-up.

The above duties and responsibilities are not intended to limit specific duties and responsibilities of any particular position. It is not intended to limit in any way the right of supervisors to assign, direct, and control the work of employees under their supervision.

KNOWLEDGE, SKILLS AND ABILITIES:

• Extensive knowledge of modern fire prevention, protection and suppression principles, procedures, techniques, systems and equipment.

• Extensive knowledge of electrical, mechanical and fire and life safety codes, (including NFPA 130, Standard for Fixed Guideway Transit and Passenger Rail Systems and NFPA 101, Life Safety Code), of jurisdictions in which our clients operates bus, paratransit and rail systems.

• Thorough knowledge of jurisdictional fire codes and requirements within the Authority service area to include but not limited to: Maryland, Virginia, and the District of Columbia.

• Extensive knowledge of fire and life safety inspection, evaluation and investigation techniques.
• Thorough knowledge of fire detection, alarm, and suppression techniques, systems and equipment.

• Working knowledge of first aid and CPR.

• Basic understanding of National Incident Management system (NIMS).

• Knowledge and ability to develop various hazard analysis.

• Expertise in the operation of the tools, instruments and equipment required to perform the functions of the position.

• Ability to effectively apply standard fire prevention techniques and act effectively in emergency and stressful situations.

• Ability to follow verbal and written instructions with the ability to communicate effectively.

• Ability to work unsupervised while keeping direct supervisor informed as to work activities and status thereof.

• Ability to meet special requirements.

• Some travel is required.

MINIMUM QUALIFICATIONS AND EXPERIENCE:

• A Bachelor's degree in fire science, fire protection engineering, civil or mechanical engineering, or fire command administration. One (1) to five (5) years of direct facility fire safety experience, knowledge of the transportation industry or experience is a bonus.

LICENSE/CERTIFICATION(S):

• Possession of, or ability to rapidly acquire, a valid motor vehicle operator's license issued from the jurisdiction of your residence.

• Degree in Fire Protection Engineering. Licensed Professional Engineer (PE) is a bonus but not a requirement.

• Certification from National Fire academy or jurisdictional fire academy, preferred.
MEDICAL GROUP:

- Ability to satisfactorily complete the medical examination for this position, if required. The incumbent must be able to perform the essential functions of this position either with or without reasonable accommodation(s).

- Ability to work in construction type environments.

- Ability to climb ladders, steps, lift 50 pounds, wear a hardhat, safety glasses and safety boots for extended periods of time.

APPLICANTS

If interested in the position, please send your resume to:

Rachael Tucci
rtucci@kjsafety.com