

Fire Engineer

FLSA Status – Non Exempt

EEO Code – D/Protective Service Workers

Class Code – RE256

GENERAL DESCRIPTION OF DUTIES

The Fire Engineer provides for the safe response of fire fighting apparatus to fire and emergency medical service (EMS) alarms and for the effective operation of pumper, ladder, and special fire fighting apparatus at emergencies and routine assignments. Participates in fire fighting activities, fire prevention activities, and public education, and station and equipment maintenance activities. Provides emergency medical care to sick and injured persons. The Fire Engineer is distinguished from the Firefighter by the Engineer's focus on operating equipment and fire fighting apparatus.

SUPERVISION RECEIVED

This classification works under the general supervision of a Lieutenant.

SUPERVISION EXERCISED

This is not a supervisory job classification.

ESSENTIAL DUTIES AND RESPONSIBILITIES

The duties and responsibilities listed should not be construed to be all-inclusive. The essential job duties will include other responsibilities as assigned and required.

1. Drives fire-pumping and aerial ladder apparatus to alarms and operates pump and ladders at the fire; regulates water pressure through hose lines.
2. Operates and oversees the use of numerous types of vehicles, equipment, tools, and apparatus.
3. Inspects vehicles, equipment, and apparatus including aerial ladder and pumping equipment; performs maintenance and minor repair work; identifies the need for major repairs; maintains records of maintenance and overhauls.
4. Performs fire fighting tasks (e.g., hose line operations, extensive crawling, lifting, and carrying heavy objects, ventilating roofs or walls using power or hand tools, forcible entry), rescue operations, and other emergency response actions under stressful conditions while wearing personal protective ensembles and self-contained breathing apparatus (SCBA). Work includes performing these duties in extremely hot or cold environments for prolonged time periods.
5. Operates fire apparatus or other vehicles in an emergency mode with emergency lights and sirens.
6. Critical, time-sensitive, and complex problem solving during physical exertion in stressful, hazardous environments, including hot, dark, tightly enclosed spaces that are further aggravated by fatigue, flashing lights, sirens, and other distractions.
7. Functions as an integral component of a team, where sudden incapacitation of a member can result in mission failure or in risk of injury or death to civilians or other team members.
8. Assists in overhauling, salvage, and cleanup operations.

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9. Responds to emergency and non-emergency calls for service.
10. Performs cleaning, repair and maintenance of fire fighting equipment, apparatus and facilities.
11. Responds to emergency calls for specialized service such as hazardous materials, confined spaces rescue, extrication, and technical rescues that include high angle, below grade, swift water, trench, and collapse rescues; provides emergency medical technician assistance at injury or accident scenes involving basic life support and paramedic support functions.
12. Participates in drills and classes pertaining to emergency medical services, fire suppression, hazardous materials, technical rescue, emergency preparedness, fire investigation, and fire prevention.
13. Participates in public education and community relations activities including school visits and fire station tours.
14. Follows all safety rules and procedures established for work areas.
15. Other duties as assigned.

KNOWLEDGE, SKILLS, AND ABILITIES

Knowledge

- Principles and practices of safe motor vehicle operation and maintenance, Traffic laws, ordinances, and rules involved in motor vehicle operation.
- Considerable knowledge of firefighting, EMS, and Hazardous Materials procedures, records, and communication methods.
- Considerable knowledge of departmental regulations, procedures, ordinances, and the laws controlling and defining work methods and solutions.
- Considerable knowledge of federal, state, and local laws.
- Knowledge in emergency vehicle operation, tactical driving methods and defensive driving techniques, the vehicle code, and procedures affecting driving.
- Knowledge in firefighter safety techniques and practices.
- Purpose, operation, and maintenance of fire fighting vehicles, equipment, and apparatus.
- Hydraulics and their application to the operation of fire apparatus.

Skills

- Skill in the use of personal computers and communication equipment such as radios, telephones, facsimile machines, etc.
- Skill in the use and care of firefighting and EMS equipment.
- Skill in effective communication (written and oral).

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- Skill in emergency vehicle operation, tactical driving techniques, and defensive driving techniques.
- Skill in utilizing firefighter safety techniques and practices.

Abilities

- Ability to project a professional image while managing changing demands on time, skills, and resources.
- Ability to make decisions under stressful conditions that are necessary to safeguard life and property.
- Ability to establish and maintain effective working relationships with diverse individuals and groups.
- Ability to foster personal and professional development by example.
- Ability to remain flexible and adapt to changing circumstances and demands.
- Ability to identify a problem or potential problem through the exercise of personal initiative, use of problem solving skills, and knowledge of community resources.
- Ability to foster positive interaction between the community and the Fire Department.
- Ability to make formal presentations in a variety of public meetings and citizen committees, and participate in committee meetings.

EXPERIENCE AND TRAINING

Mandatory Requirements:

1. High school graduate or equivalent.
2. A combination of three (3) years experience as a paid firefighter in fire apparatus operations, firefighting, EMS, and hazardous materials operations.
3. Certified as an NFPA Firefighter I.
4. Certified as an Oregon EMT.
5. NFPA Driver & Pumper Operator.
6. Possess a valid Oregon driver license.

Desirable Qualifications:

1. Associate degree in Fire Science or in EMS.
2. Certified as NFPA Firefighter II.
3. Certified as an Aerial Operator
4. Certified as NFPA Fire Instructor I

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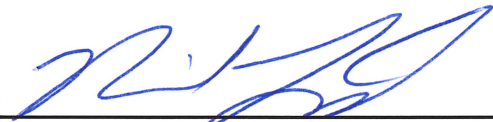
PHYSICAL DEMANDS

While performing the duties of this position, the employee is frequently required to stand, kneel, sit, communicate, and reach and manipulate objects, tools, or controls. The position requires mobility and the ability to operate firefighting, rescue, and EMS equipment. Duties involve moving materials weighing up to 30 pounds on a regular basis and will require moving adult individuals, fire hoses, and fire/rescue equipment which will weigh over 100 pounds more than once per day. Manual dexterity and coordination are required over 50% of the work period while operating equipment such as motor vehicles, and emergency medical, fire suppression, and rescue equipment, etc.

WORKING CONDITIONS

Most work occurs under usual fire station/indoor working conditions. Approximately 40% of the work period is at medical/fire/rescue sites or training sites with exposure to fire, smoke, and typical hazards and noise levels associated with medical/fire/rescue service. The noise level in the fire station is higher than typical of most office environments; however, it does not require hearing protection. Position will be assigned to 24 hours on duty followed by 48 hours off duty. Position is required to stay at the station for the 24-hour period of time on duty.

Approved By

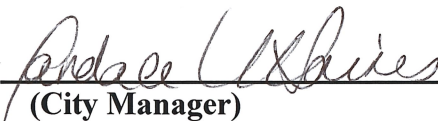


(Department Director)

Date

11/21/16

Adopted By



(City Manager)

Date

12-22-16

Established: October 2016