

FIRE ENGINEER

DEFINITION

Under general supervision, drives, operates, and maintains fire apparatus and equipment in response to life and property protection emergencies including fires, medical, vehicle accident, hazardous material incidents, rescue efforts and other emergency calls; participates in fire suppression and prevention, station and equipment maintenance, and training activities; performs related duties as required.

REPRESENTATIVE DUTIES

The duties listed below are examples of the work typically performed by the employee of this class. Not all assigned duties may be listed and some assigned duties may not be listed below.

1. Drives fire engine and transports firefighting personnel to an emergency site; locates hydrants, operates pumps, evaluates water system and supply.
2. Responds to fire emergencies; operates firefighting control and rescue equipment; performs fire ground operations; responds to and participates in emergency situations involving toxic/hazardous materials.
3. Renders emergency medical aid and CPR to the sick and injured in fire and other emergency situations.
4. Inspects, cleans, and services the fire engine, fire fighting equipment and apparatus; performs routine and preventative maintenance on equipment; maintains clean and orderly conditions in and about the fire station; test and maintain the hydrant systems.
5. Attends and participates in training activities, practice drills and physical fitness programs.
6. Conducts inspections of public and commercial building for fire prevention, target hazard identification and review, and fire code enforcement; evaluates water system capabilities.
7. Assists with programs such as weed abatement, arson investigation, public information programs; staff development, pre-fire planning, and maintaining pertinent maps; assists in various City operations by performing assigned tasks.
8. Conducts public education programs; makes presentations in schools, services clubs or other public gatherings on fire and burn prevention; represents the department at public functions to promote fire and burn prevention by the general public.

EMPLOYMENT STANDARDS

Education and/or Experience

Certified by the California State Board of Fire Services as a Fire Apparatus Driver/Operator I and two years of firefighting experience or any combination of training and experience that provides the desired knowledge and abilities.

Knowledge of:

Fire behavior and suppression techniques; operation and maintenance of pumping engines and ladder trucks; practical/applied hydraulics; mathematics and water pressure and flow calculations; hydrant and water main systems; traffic laws and regulations; emergency medical care and basic life support techniques; City geography; universal fire vocabulary and expressive techniques; basic mechanical and building construction maintenance principles; universal safety precautions when providing medical attention; safety inspection procedures; the proper handling of toxic/hazardous materials.

Ability to:

Drive a fire engine and operate firefighting equipment under a variety of conditions; compute engine and nozzle pressures; operate all fire, emergency and telecommunication equipment and apparatus; put on and work in safety gear; administer medical care and life support procedures; identify and solve problems; think and act quickly in emergency situations; communicate effectively with individuals of all ages in various emotional states, from different backgrounds and in a variety of mental conditions; rapidly shift among communication styles; control situations involving irate and emotionally distraught persons; communicate in person and by any form of communication device; understand and follow directions; retain sense of direction in total darkness; respond and make decisions under stress; remember and make a written record of observations and actions taken; comprehend reading materials; use a computer to enter and retrieve information; establish and maintain effective working relationships with superiors, peers, subordinates, and the general public.

Special Requirements

Possession of a valid California Driver's License not less than a Class "B" Non-Commercial, with either a "Tank" Endorsement or a "Firefighting Equipment Only" restriction.

Possession of an EMT I certification.

Applicant shall be disqualified from further employment consideration if said applicant has smoked tobacco within one year immediately preceding the date of the applicant's selection interview. Upon appointment, a new employee shall sign a statement affirming that, as a condition of continued employment in the Porterville Fire Department, he/she will refrain from smoking tobacco.

Physical Demands

Strength, stamina and dexterity to sit in vehicles operating on rough roads, wetland areas and off road terrain; withstand extended periods of physical exertion; walk on uneven or slippery surfaces; move from place to place within the fire station and at emergency sites; repeatedly stoop, stand and sit. Dexterity and coordination to handle fire equipment, apparatus and large and small tools; occasional lifting of objects weighing up to 50 lbs.; strength to move the weight of an average human body; reach for items above the head and below the feet; climb up and down ladders; enter confined spaces and other areas; visual acuity sufficient to read gauges and observe conditions at emergency sites in a variety of lighting conditions, including bright light, low light, and low visibility conditions.

WORKING CONDITIONS

Work in outdoor and indoor environments with intermittent to frequent exposure to a variety of extreme weather conditions including heat, rain, snow, cold, wind and dust. Work under significant risk conditions such as fire, injury and death. Occasional work in confined areas. Work is typically performed independently. Exposure to hazardous materials.

Date Adopted: June 26, 2006