

FIRE APPARATUS ENGINEER

Position Identification

Title:	Fire Apparatus Engineer
Rank:	Fire Apparatus
Bargaining Unit:	Colusa Professional Firefighters Association
Work Hour:	8:00 a.m. to 8:00 a.m. (24Hr Shifts)
Work Schedule:	Kelly Shift Schedule
Reports to:	Fire Chief

DEFINITION

Under general supervision, to serve as a first-line supervisor for fire staff during an assigned shift; to ensure proper responses to fire, hazardous materials and emergency service incidents; to operate and maintain fire and emergency service equipment; to perform firefighting and emergency response duties in protecting life and property; to perform fire inspection and fire prevention functions; to perform station and equipment maintenance work; to conduct and participate in training drills; and to perform related or unrelated duties as apparent or assigned.

DISTINGUISHING CHARACTERISTICS

This is the first-line supervisor level in the firefighting class series. Incumbents are expected to be in-charge of other staff during an assigned shift, perform the more difficult firefighting and emergency response assignments, and drive and operate fire emergency service equipment. Incumbents will serve as "Duty Officer" when assigned and will be expected to follow the Incident Command System and serve as Incident Commander at any type of emergency scene. Specialized assignments will be given to each incumbent that may include, but is not limited to; Training Officer, Maintenance Officer and Logistics Officer.

REPORTS TO

Fire Chief.

Classifications Supervised

Engineer, Firefighter and Volunteers.

EXAMPLES OF IMPORTANT AND ESSENTIAL DUTIES *(The following is used as a partial description and is not restrictive as to duties required.)*

Directs and supervises staff during an assigned shift; develops work assignments and ensures proper coverage for Department services; maintains discipline and instructs others in firefighting, rescue, and emergency medical procedures; serves as an incident commander until relieved by an equal or higher ranking officer; evaluates assigned staff; assists in the selection process of new employee and volunteers; drives and operates fire and emergency service apparatus, including aerial trucks; prepares for pumping operations and operates pumps to maintain proper pressure during fire suppression; inspects pumps and related equipment to ensure proper working condition; responds to fire and other emergency service alarms; performs firefighting and emergency response functions; fights fire by use of proper fire suppression techniques; controls and extinguishes fires; directs water and chemical agents onto fires; controls, treats, and contains hazardous materials spills and leaks; enters and ventilates burning buildings; uses hand and power tools; raises, positions, and climbs ladders; administers emergency medical care to patients; conducts fire prevention inspections and tests fire protection equipment; ensures proper cleaning of station living quarters, maintains, services and repairs all station equipment; ensures the proper condition of fire and emergency response equipment.

TYPICAL PHYSICAL REQUIREMENTS

Sit for extended periods; frequently stand and walk; climb stairs and ladders quickly and exercising above average physical agility; walk on sloped, uneven, and slippery surfaces; stoop, bend over, and kneel frequently; crawl through a variety of areas on hands and knees; sufficient manual dexterity and eye-hand coordination to work with special equipment during emergency situations; lift and move objects weighing up to 100 lbs., without assistance and heavier objects; with assistance; endurance to sustain extra physical effort for a substantial period of time; ability to perform emergency service duties while wearing special breathing apparatus; maintain corrected hearing and vision to normal range; verbal communication; use of office equipment, including computer, telephone, calculator, copiers, and FAX; use of power hand tools to maintain and repair station equipment.

TYPICAL WORKING CONDITIONS

Work is normally performed in a fire station environment and at scenes of fires and emergency incidents; frequent driving to different locations throughout the City; work may be performed in a variety of temperatures and weather conditions; work may be performed with unusual exposure to high temperatures and heat; work may be performed with exposure to constant moisture; work may be performed with unusual exposure to hazardous materials and chemicals; above average exposure to life threatening situations; regular contact with other staff and the public.

DESIRABLE QUALIFICATIONS**Knowledge of:**

- Principles, practices, and procedures of modern fire suppression and prevention.
- Principles of pumps and hydraulics.
- Operation, maintenance, types, and uses of firefighting and emergency response equipment used in the City of Colusa.
- Emergency medical aid and CPR.
- Geography of the City, including the location of mains and hydrants.
- Use of hand tools and equipment.
- Fire inspection methods and procedures.
- Fire Department policies, rules, procedures, and regulations.
- Principles of supervision and training.
- Incident Command System

Ability to:

- Provide supervision, training, and maintain discipline for assigned Fire Department staff during a work shift.
- Provide guidance and assist with administration of Department rules and procedures.
- Direct and conduct fire prevention inspections.
- Skillfully use a variety of fire suppression and emergency medical methods and procedures.
- Drive fire and emergency response equipment safely and skillfully, in accordance with traffic rules.
- Understand and act in accordance with Department policy, rules, and regulations.
- Read, understand, and apply fire prevention ordinances and hazardous material related information.
- Skillfully operate fire and emergency service equipment during emergency incidents.
- Meet established standards of physical endurance and agility.
- Work for considerable periods of time under adverse conditions.
- Effectively supervise personnel and manage projects.
- Deal tactfully and courteously with the public.
- Establish and maintain cooperative working relationships.
- Communicate clearly and concisely, both orally and in writing.
- Write reports and gather the proper information needed for report writing.

Education and Experience:

Any combination of education and experience which would likely provide the required knowledge and abilities is qualifying. A typical way to obtain the required knowledge and abilities would be:

- Five (5) years of recent, full-time firefighting experience in which at least three (3) years was at or above Fire Apparatus Engineer.

- Possession of a high school diploma with college level coursework in Fire Science or Fire Technology. Classes taken in the Incident Command System and supervision are required.
- Courses taken in pursuit of an Associates or Bachelor's degree are desirable. Possession of a Certified Fire Officer certificate is also desirable.

Special Requirements:

- Possession of a valid Class B California Driver's License issued by the Department of Motor Vehicle
- Possession of applicable management, Fire Command, and I.C.S. Certificates.
- Possession of California Firefighter I & II certification.
- Possession of Emergency Medical Technician with Defibrillation certificate.
- Hazardous Materials First Responder Operational level certificate.
- Possession of a valid CPR certificate.
- Job candidates must meet stringent medical and physical standards.

PHYSICAL REQUIREMENTS

Work is performed in a typical office with regular contact with other staff and the public and field environment and at emergency incidents (1) Mobility: frequent use of keyboard; frequent sitting for long periods of time; frequent bending or squatting; frequent driving to different locations throughout the City. (2) Lifting: frequently up to 50 pounds; occasionally up to 100 pounds. (3) Vision: constant use of overall vision; frequent reading and close-up work; occasional color and depth (4) Dexterity: frequent repetitive motion; frequent writing; frequent grasping, holding, and reaching. (5) Hearing/ Talking: frequent hearing and talking in person and on the phone. (6) Emotional/ Psychological: frequent decision-making and concentration; frequent public and/or coworker contact; occasional working alone. (7) Environmental: frequent exposure to loud noise, frequent exposure to chemicals, hazardous materials, chemicals, fire, smoke, bodily fluids and loud noises; work may be performed in a variety of temperatures and weather conditions such as unusually high or below freezing temperatures, high wind conditions and constant moisture, with unusual exposure to above average exposure to life threatening situations, fumes, and other environmental substances.

BACKGROUND

Must successfully pass a complete background investigation.