

POLICIES AND PROCEDURES

STANDARD OPERATING PROCEDURES

Engineer Job Description

SECTION 9.0 – 9.7

Date: September 9, 2014

Approved by R. Dale Horne – Fire Chief

Page 1 of 3

9.0 GENERAL PURPOSE

- a. Performs specialized firefighting work in driving and operating heavy duty fire-fighting apparatus and other equipment.
- b. Provides medical assistance at the Medical Responder level as necessary.
- c. Performs related work as required.

9.1 SUPERVISION RECEIVED

- a. Works under the general guidance and direction of a company officer.

9.2 ESSENTIAL DUTIES AND RESPONSIBILITIES

- a. Responds to fire alarms and other emergency calls.
- b. Drives fire truck to and from emergency calls in accordance to safety rules and regulations.
- c. Operates pumps at the scene of fires in an efficient manner.
- d. Responds quickly and calmly in emergency and diverse situations.
- e. Operates generators.
- f. Protects property from water and smoke by use of waterproof salvage covers, smoke ejectors, and deodorants.
- g. Pumps water to fire at a designated pressure and ensures that all hoses are properly placed.
- h. Communicates with superior during fire, using portable two-way radio.
- i. Performs assigned duties in maintaining apparatus, quarters, buildings, equipment, grounds, and hydrants.
- j. Participates in drills, demonstrations, and courses in hydraulics, pump operation and maintenance, and fire-fighting techniques and studies street and hydrant locations.
- k. Checks engine daily and inspects ignition, battery, brakes and other equipment to ensure that apparatus is in good working condition and notifies supervisor of any defects.
- l. Cleans equipment after returning from fire.
- m. May administer first aid and artificial respiration.
- n. May assist in the provision of Public Education and Fire Prevention Programs.

9.3 PERIPHERAL DUTIES

- a. Participates in individual and group advanced training courses.
- b. Fills in for other positions within the department.
- c. Attends conferences and meetings to keep abreast of current trends in the field.
- d. Performs other related duties as required.
- e. May perform fire-fighting duties.

POLICIES AND PROCEDURES

STANDARD OPERATING PROCEDURES

Engineer Job Description

Date: September 9, 2014

SECTION 9.0 – 9.7

Page 2 of 3

- g. May ventilate burning buildings.
- h. May remove debris and assist in cleaning up fire scene.

9.4 DESIRED MINIMUM QUALIFICATIONS

- a. Education and Experience:
 - i) High School diploma or GED equivalent;
 - ii) Two (3) years of fire experience; and
 - iii) Completion of the Fire Training Academy; or
 - iv) Any equivalent combination of education and experience.
- b. Necessary Knowledge, Skills and Abilities:
 - i) Thorough knowledge of modern fire suppression and prevention principles, procedures, techniques, and equipment.
 - ii) Working knowledge of first aid and resuscitation techniques and their application.
 - iii) Considerable knowledge of applicable laws, ordinances, departmental standard operating procedures and regulations.
 - iv) Skill in the operation of the listed tools and equipment.
 - v) Ability to perform work requiring good physical condition.
 - vi) Ability to communicate effectively orally and in writing.
 - vii) Ability to exercise sound judgment in evaluating situations and in making decisions.
 - viii) Ability to establish and maintain effective working relationships with other employees, supervisors and the public.
 - ix) Ability to meet the special requirements listed below.

9.5 SPECIAL REQUIREMENTS

- a. Must possess, or be able to obtain by time of hire, a valid SC Driver's License.
- b. Ability to meet Departmental physical standards.
 - i) Annual Health Fitness Evaluations SECTION II 8.0 – 8.3
 - ii) Physical Fitness Policy SECTION II 5.0 – 5.2

9.6 TOOLS AND EQUIPMENT USED

- a. Fire apparatus, fire pumps, hoses, and other standard firefighting equipment, ladders, first aid equipment, radio, pager, personal computer, phone.

POLICIES AND PROCEDURES

STANDARD OPERATING PROCEDURES

Engineer Job Description

Date: September 9, 2014

SECTION 9.0 – 9.7

Page 3 of 3

9.7 PHYSICAL DEMANDS AND WORK ENVIRONMENT

The physical demands and work environment described are representative of activities required and work environment encountered while performing the essential functions of this job. Reasonable accommodations may be made to allow individuals with disabilities to perform the essential functions.

- a. While performing the duties of this job, the employee is frequently required to sit; talk or hear; stand; walk; use hands to finger, handle, or operate objects, tools, or controls; and reach with hands and arms.
- b. The employee is occasionally required to climb or balance; stoop, kneel, crouch, or crawl; and taste or smell.
- c. The employee must frequently lift and/or move up to 10 pounds, and carry equipment/tools up to 40 lb., and must occasionally lift and/or move up to 200 pounds.
- d. Specific vision abilities required by this job include close vision, distance vision, color vision, peripheral vision, depth perception, and the ability to adjust focus.
- e. While performing the duties of this job, the employee occasionally works near moving mechanical parts and in high, precarious places and is occasionally exposed to wet and/or humid conditions, fumes or airborne particles, toxic or caustic chemicals, risk of electrical shock, and vibration.
- f. The noise level in the work environment is moderate in office settings, and loud at an emergency scene.

The job description does not constitute an employment agreement between the employer and employee and is subject to change by the employer as the needs of the employer and requirements of the job change.