

RUTHERFORD COUNTY, TENNESSEE

CLASSIFICATION SPECIFICATION

CLASSIFICATION TITLE:	FIRE ENGINEER
FLSA STATUS:	NON-EXEMPT
SAFETY SENSITIVE:	SUBJECT TO RANDOM DRUG AND BREATH ALCOHOL TESTING

PURPOSE OF CLASSIFICATION

The purpose of this position is to perform specialized duty work functions in preparing for and responding to fire/rescue emergency calls and in providing general support within the Fire Department. Duties and responsibilities include transporting fire fighters and operating firefighting equipment at emergency scenes, maintaining readiness for emergency call response; responding to fire, Vehicle rescue, and related emergency calls when dispatched and taking proper action; educating staff and public on fire safety/prevention; and performing other tasks related to County and Fire Department activities. Reports to Fire Captain.

ESSENTIAL FUNCTIONS

The following duties are normal for this position. The omission of specific statements of the duties does not exclude them from the classification if the work is similar, related, or a logical assignment for this classification. Other duties may be required and assigned.

Drives and operates firefighting apparatus.

Operates fire pump to ensure correct water pressure to extinguish fire.

Monitors pump gauges for drops in pressure or pump malfunctions.

Performs routine maintenance of fire apparatus and equipment.

Responds to emergency calls for fire, vehicle rescue, and other emergency situations.

Performs all activities necessary to suppress/extinguish fires.

Cleans/maintains fire stations, grounds, apparatus and other equipment; makes minor repairs/adjustments to apparatus and equipment.

May be required to fill in for Captain on a temporary basis if meets the minimum requirement of the position, but not to exceed 30 continuous shifts; and performs related duties as required.

Operates machinery, equipment and light motor vehicles; ensures appropriate maintenance;

Receives and/or prepares various documentation (forms, checklists, reports, correspondence, etc.); processes, completes, and/or forwards as appropriate.

Responds to routine requests for information from officials, volunteers, and members of the staff, the public or other individuals.

Must work hours as scheduled.

Rutherford County, Tennessee • Fire Engineer

Requires mandatory overtime to meet the needs of the department and operations of the county with or without prior notice.

Requires working on various shifts during the day, week, month, and year; to include morning, afternoons, nights, weekends, and holidays.

Completes work at assigned workstation as determined by supervisor.

ADDITIONAL FUNCTIONS

Performs other related duties as required.

MINIMUM QUALIFICATIONS

Must possess an Associate's degree in Emergency Management, Fire Science, Public Administration or closely related field with two (2) years of firefighting or other relevant experience; or any equivalent combination of education, training, and experience which provides the requisite knowledge, skills, and abilities for this job.

Must be certified as a Tennessee Fire Commission Firefighter I, Tennessee Fire Commission Firefighter II, and Tennessee Fire Commission Pumper, Driver Operator (PDO), Hazardous Materials Awareness Certificate, Hazardous Materials Operations Certificate, NFPA 1670 compliant Vehicle Extrication Certification, Emergency Medical Responder, Emergency Vehicle Operations Certificate, and Vanessa K Free training. Requires successful completion of Rutherford County Fire & Rescue Emergency Driving Course. Must maintain valid Tennessee Driver's License.

PERFORMANCE APTITUDES

Interpersonal Communication: Requires the ability of speaking and/or signaling people to convey or exchange administrative, firefighting and emergency medical information. Includes giving assignments and/or directions to co-workers or assistants.

Language Ability: Requires the ability to read a variety of informational documentation, directions, instructions, and methods and procedures related to the job. Requires the ability to write reports with proper, punctuation, spelling and grammar. Requires the ability to speak with and before others with poise and confidence, using correct English and a well-modulated voice.

Intelligence: Requires the ability to learn and understand basic to complex principles and techniques; to make independent judgments in absence of supervision; to acquire knowledge of topics related to the job. Must maintain knowledge concerning the use and care of fire apparatus and related equipment, modern fire prevention, suppression methods, firefighting techniques and principles of hydraulics as applied to fire suppression.

Verbal Aptitude: Requires the ability to record and deliver information to supervisors and officials; to explain procedures and policies; and to follow verbal and written instructions, guidelines and objectives.

Numerical Aptitude: Requires the ability to utilize mathematical formulas; add and subtract totals; multiply and divide; determine percentages; and to determine time and weight.

Form/Spatial Aptitude: Requires the ability to inspect items for proper length, width, and shape, visually with supplied equipment.

Motor Coordination: Requires the ability to coordinate hands and eyes in using automated equipment.

Manual Dexterity: Requires the ability to handle a variety of items, equipment, control knobs, switches, etc. Must have the ability to use one hand for twisting or turning motion while coordinating other hand with different activities. Must have average levels of eye/hand/foot coordination.

Interpersonal Temperament: Requires the ability to deal with people (i.e. staff, supervisors, general public, and

officials) beyond giving and receiving instructions such as in interpreting departmental policies and procedures. Must be adaptable to performing under considerable stress when confronted with an emergency related to the job

ADA COMPLIANCE/PHYSICAL DEMANDS ANALYSIS

Physical Ability: Must be physically able to operate a variety of machines, tools and equipment which includes a motor vehicle, computer, generator, fire pump, fire hydrant, axe, shovel, hydraulic tools, power tools, hand tools, medical equipment, etc. Must be able to use body members to work, move or carry objects or materials. Must be able to exert in excess of one hundred pounds of force occasionally, and/or in excess of fifty pounds of force frequently. Must be able to drag up to 200 pounds. Physical demand requirements are at levels of those for very heavy work. The candidate must be able to be certified by an M.D. to be able to meet the medical conditions in the latest edition of NFPA 1582.

Sensory Requirements: Some tasks require the ability to perceive and discriminate colors or shades of colors, sounds, depth, texture, and visual cues or signals. Some tasks require the ability to communicate orally.

Environmental Factors: Performance of essential functions may require exposure to adverse environmental conditions, such as fire, dirt, dust, pollen, odors, wetness, humidity, rain, fumes, temperature and noise extremes, machinery, or vibrations.

PHYSICAL DEMANDS ANALYSIS

1. STANDING AND WALKING

Tasks: assisting and caring for others, monitoring situation, tour of fire station

Surface: indoors, outdoors

Estimated Total Hours: 8 Maximum Continuous Time: 2

2. VISION

Type of Use	Yes	No
Color Vision	X	
Distance Vision	X	
Night Vision	X	
Depth Perception	X	

3. HEARING

Type of Use	Yes	No
Noisy Environment	X	
Quiet Environment	X	
Sound Discrimination	X	
Directional Hearing	X	

4. SITTING

Tasks: operating vehicles,

Estimated Total Hours: 3 Maximum Continuous Time: 3

5. LIFTING/CARRYING

Objects: Human victims, fire hose, power saws, extrication equipment, axe, ladders, power fans

Weight	Hourly	Daily	Weekly	Monthly	Never
<10 lbs		X	X		
11-25 lbs		X	X		
26-50 lbs		X	X		
51-75 lbs		X	X		
76-100 lbs				X	

>100 lbs				X	
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6. PUSHING/PULLING

Objects: fire hose, ladders, power fans, pike poles, sheet rock

Height of hands above floor during push: 2-3 feet

7. CLIMBING

Tasks: firefighting

Device: ladders

Height: 20-35 feet

Frequency: daily

8. BENDING/SQUATTING/KNEELING

Tasks: retrieving equipment

Frequency: occasionally

9. REACHING

Hands Used: RIGHT LEFT BOTH X

Distance	Direction	Frequency	Duration	Avg. Weight
0-20"	360 degrees	Daily	30 mins	30-35 lbs
21-36"				

10. WORK CONDITIONS

Exposure to	Yes	No
Hot Temperatures	X	
Cold Temperatures	X	
Sudden Changes in Temperature	X	
Noise	X	
Fumes	X	
Cramped Quarters	X	
Cold Surfaces	X	
Hot Surfaces	X	
Sharp Edges	X	
Vibration	X	
Fluorescent Lighting	X	
Poor Ventilation	X	
Hazards	X	
Computer Monitor Screen Glare	X	
Varying Work Sites	X	

Inside Building	50 % of time
Outside	50 % of time

11. OTHER JOB DEMANDS

Does Job Require	Yes	No
Crawling/Kneeling	X	
Jumping	X	
Running	X	
Lying on Back	X	
Lying on Stomach	X	
Twisting	X	
Sweeping/Mopping	X	
General Cleaning	X	
Handling Trash	X	

Driving	X	
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12. HAND USE

Type of Use	Yes	No	Frequency
Keystrokes	X		Daily
Grasp	X		Daily
Fine Motor i.e.: writing, twisting hands or wrist, etc	X		Daily
Finger Dexterity	X		Daily

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Rutherford County, Tennessee, is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the County will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer. Signatures below indicate the receipt and review of this classification description by the employee assigned to the position and the immediate supervisor.

Employee Full Legal Name (printed)

Employee Signature

Date