

## **FIRE EQUIPMENT TECHNICIAN**

Code No. 6-40-001

Non-competitive pending NYS approval

**DISTINGUISHING FEATURES OF THE CLASS:** The position is located at Monroe Community College, Public Safety Training Facility (PSTF) and is primarily responsible for inspecting, maintaining, troubleshooting, and repairing firefighting support equipment, including Self-Contained Breathing Apparatus (SCBA), that are utilized for the formal training of firefighters. Duties involve ensuring the propane props are operational for training on a daily basis and determining whether or not to take a fire training prop out of service for the day or if it can be quickly repaired and made available for training immediately. Duties also involve maintenance mechanic work such as painting, snow removal, drywall installation and other related duties when not working on fire equipment. This position reports directly to, and works under the general supervision of the Supervisor of Building Maintenance – Monroe Community College or other higher-level staff member. Does related work as required.

**TYPICAL WORK ACTIVITIES:** (All need not be performed in a given position. Other related activities may be performed although not listed.)

Maintains and repairs multiple propane fueled live fire training simulators such as Aircraft Firefighting Trainers and Structural Fire Trainers;

Maintains and repairs Self Contained Breathing Apparatus (SCBA) Compressors, Roof Cutting Simulator Props, Training Drill Tower, Technical Rescue Building, Water Bath Propane Vaporizer and other items and technical equipment;

Performs fault isolation and correction on live fire propane props including Fireplace Hardware Module Assemblies, Burner Control/Smoke Generators, Pilot Burner Assemblies, Fuel Regulation and Control Assemblies, Voltage Input Analog Modules, Combustible Gas Drawn Sample Controls, Liquid and Vapor Propane Assemblies, Propane Delivery System and fire training related software;

Maintains computerized records such as maintenance records on propane fire props, daily propane usage, vendor accounts, product/vendor research, price quotes and fire training grounds usage reports;

Researches parts and equipment needed to repair the fire training grounds;

Manages inventory of fire training foam, dry chemical extinguishers, carbon dioxide (CO<sub>2</sub>) extinguishers, water based smoke fluid, oil based smoke fluid, vaporizer fluid, propane roof panels and other items needed at the PSTF;

Participates in renovation projects when required;

Provides input to vendors regarding upgrades to equipment;

Assesses any damage to the Fire Training Grounds and prioritizes repair work;

Conducts on-site weekly inspections of the entire Fire Training Grounds and live fire burn props;

Manages the delivery and extraction of liquid propane for the thirty-thousand (30,000) gallon tank.

### **FULL PERFORMANCE KNOWLEDGE, SKILLS, ABILITIES, AND PERSONAL CHARACTERISTICS:**

Good knowledge of propane fueled live fire training simulators; good knowledge of Process Logic Controls (PLC) and how they interact with input and output cards in fireplace hardware modules

(FHM); good knowledge of the fire training software; good knowledge of specialized and standard hand tools used in the maintenance and repair of firefighting support equipment; good knowledge of the proper procedures for safe operation and maintenance of SCBA and other firefighting support equipment; good knowledge of regulatory requirements related to SCBA use and maintenance; good knowledge of proper recycling and hazardous waste disposal; good knowledge of proper building maintenance procedures and repairs; good knowledge of the tools, equipment and supplies involved in fire training ground repairs; ability to maintain, troubleshoot and repair SCBAs and other firefighting equipment; ability to troubleshoot and repair specialized fire equipment; ability to perform activities involving moderate and sometimes considerable physical exertion; ability to perform the duties in one (1) or more of the skilled trades; ability to follow internal policies, procedures, and work methods; ability to prioritize one's own work; ability to operate a personal computer and related software; ability to work in confined areas; ability to maintain appropriate inventory levels; ability to communicate orally and in writing effectively; good judgment; physical condition commensurate with the demands of the position.

**MINIMUM QUALIFICATIONS:** Graduation from high school or possession of an equivalency diploma, plus EITHER:

- (A) Three (3) years paid full-time or its part-time equivalent experience as a skilled worker in one (1) or more of the electrical, mechanical or construction trades; OR,
- (B) Two years paid full-time or its part-time equivalent experience repairing firefighting support equipment including Self-Contained Breathing Apparatus (SCBA); OR,
- (C) An equivalent combination of work experience as defined by the limits of (A) and (B) above.

**SPECIAL REQUIREMENTS:** If you are appointed, you will be required to possess a valid license to operate a motor vehicle in New York State or otherwise demonstrate your capacity to meet the transportation needs of the job.

Monroe County Civil Service Commission

**ADOPTED:** May 2, 2024