

**MONTGOMERY COUNTY GOVERNMENT
ROCKVILLE, MARYLAND
CLASS SPECIFICATION**

**Code No. 005020
Grade 14**

SELF-CONTAINED BREATHING APPARATUS TECHNICIAN

DEFINITION OF CLASS:

This is skilled service, maintenance and repair work on fire/rescue respiratory protection equipment, atmospheric monitoring equipment, and breathing air compressors. The work involves troubleshooting equipment operational problems, making repairs as indicated, and performing required maintenance work in compliance with regulations and guidelines in order to ensure reliable protection to front-line County Fire and Rescue staff. Contacts are with line Departmental staff to discuss equipment problems and possible repairs; with the SCBA shop Manager and a Fire/Rescue Assistant Chief to discuss project coordination/inventory control; and with representatives of companies providing self-contained breathing apparatus/atmospheric monitoring equipment/compressed breathing air system equipment in order to discuss technical problems and required parts. Employees in this class provide limited direct assistance to the public.

An employee in this class is responsible for performing factory-certified repairs, factory-mandated modifications, and periodic maintenance of emergency respiratory protection equipment, atmospheric monitoring equipment and breathing air compressors. In addition, the employee conducts regular flow testing and repair, and performs quantitative fit testing using porta count equipment. The respiratory protection equipment allows front-line fire/rescue staff to perform their work and survive in dangerous and life-threatening conditions. A Self-Contained Breathing Apparatus (SCBA) Technician performs work which ensures the proper operation of the protective equipment. Performance of this work requires considerable knowledge gained through equipment manufacturers' training and maintaining training certification.

A SCBA/Atmospheric monitoring/Compressor Technician employs initiative in carrying out standard work, but refers unfamiliar situations to the supervisor or a manufacturer's representative. Performance of work requires the utilization of various tools and equipment, and the application of different methods and procedures in accordance with manufacturer's shop manuals. Complexity of the work involves utilization of test equipment, which indicates whether various functions are working properly, and when it is indicated that a function is not, determining the cause.

The work environment involves occasional exposure to cleaning fluids, lubricants, and sealants/thread lockers, as well as equipment safety alarms when testing. Special procedures must be followed when filling SCBA air tanks with very high pressure air. Employees lift air packs with harnesses, which weigh nearly twenty five pounds, and will lift their share (up to one hundred pounds) of very heavy air storage tanks with one or two other staff when these tanks are removed and transported for service and/or testing.

EXAMPLES OF DUTIES: (Illustrative Only)

- Performs annual operational flow testing of respiratory protective equipment using a computer

software program and posi-check machinery.

- Troubleshoots problems with respiratory protection equipment, and completes all types of in-house repairs.
- Inputs information and data into the SCBA/equipment inventory and tracking control system, and enters quality assurance information.
- Conducts operations on a daily basis with porta-count machinery to meet fit testing requirements for all personnel.
- Issues and tracks respiratory protective equipment for personnel.
- Performs preventive maintenance and repair on compressed breathing air systems, and conducts quarterly air quality sampling.
- Performs periodic calibration, trouble shooting, and repairs of atmospheric monitors.
- Performs related duties as required.

KNOWLEDGE, SKILLS AND ABILITIES:

- Knowledge of the operation of self-contained breathing apparatus systems. As well as familiarity with breathing air compressors and atmospheric monitoring.
- Knowledge of the methods and procedures for maintaining, trouble-shooting problems with, testing and repairing self-contained breathing apparatus/breathing air compressors/Atmospheric monitoring equipment.
- Knowledge of the operational standards and safety practices required in performing this work.
- Knowledge of and ability to use the specialized tools, equipment, and computer software involved in performing this work.
- Knowledge of NFPA 1981 Open-Circuit Self-contained Breathing Apparatus Program.
- Knowledge of OSHA/NIOSH Rules and Regulations pertaining to Respiratory Protection.
- Ability to obtain and/or maintain technician certification based on current SCBA equipment and County owned breathing air compressors.
- Ability to maintain accurate logs and records, and to prepare up-to-date reports.
- Ability to perform assignments at locations outside the Maintenance Shop.

MINIMUM QUALIFICATIONS:

Experience: Experience in the operational use, care, and routine maintenance of respiratory protection equipment, and familiarity with breathing air compressors.

Education and Training: Graduation from high school or High School Certificate of completion recognized in the State of Maryland. The necessary training and certification associated with the maintenance, troubleshooting, and repair of respiratory protection equipment /breathing air compressors/ atmospheric monitoring will be provided by the Department. The employee must successfully complete this training and obtain certification within one year of employment. The training will be during work hours and may require non-local travel to specialized schools.

Equivalency: None.

Physical Ability: Ability to occasionally lift objects and equipment weighing up to one hundred (100) pounds.

License:

- Possession of a valid, current Class "C" or equivalent motor vehicle operator's license from the applicant's state of residence.

Upon completion of probationary period:

- Possession of a Safety Air Supplied Technician Certification (SCOTT 2.2//4.5 Air-Pak 50 maintenance and overhaul, SCOTT Integrated Pak-Alert, and Industrial Scientific courses).
- Certification through Montgomery County as a forklift operator

Within Twelve (12) Months from Date of Appointment/Placement, Employee must possess and maintain the following certifications:

- Certification in atmospheric monitoring instrument repairs
- Certification as a Breathing Air Systems Compressor Technician

Note: There will be no substitutions for this section.

PROBATIONARY PERIOD:

Individuals appointed or promoted to this class will be required to serve a probationary period of six (6) months, during which time performance will be carefully evaluated. Continuation in this class will be contingent upon successful completion of the probationary period.

MEDICAL EXAM PROTOCOL: Core II Exam with a Drug/Alcohol Screen.

Class Established: May, 2005

Revised: December, 2005

April, 2010

January, 2013

August, 2013

December, 2015