CLASS TITLE: Senior Air Mask Technician

CHARACTERISTICS OF THE CLASS: Under supervision, performs full range of duties in the repair and maintenance of breathing and life support systems and related components used by firefighting and emergency medical services personnel; and performs related duties as required.

ESSENTIAL DUTIES: Repairs, cleans and maintains self-contained breathing apparatus (SCBA), self-contained underwater breathing apparatus (SCUBA), air and oxygen equipment, and related components and accessories; disassembles and inspects equipment parts such as air masks, air and oxygen cylinders, valve assemblies and breathing regulators for physical damage or signs of deterioration; operates testing equipment and takes readings of pressure control systems to test cylinder valves for leakage, flow and pressure levels; repairs and replaces malfunctioning parts and rebuilds cylinder valves, using small hand tools and specialized tools to ensure the safe operating condition of air and oxygen cylinders; performs a series of quality control tests on equipment after servicing by using manufacturers' testing equipment to ensure breathing equipment and cylinders conform to operating standards; cleans and sterilizes breathing equipment and related parts as part of scheduled maintenance and equipment servicing; inspects air and oxygen cylinders, using hydrostatic testing equipment to conduct pressure tests and to ensure valves are in proper working order; operates breathing air compressors and air purification systems to refill air and oxygen cylinders; maintains an inventory of breathing equipment and related parts; provides guidance and instruction to Air Mask Technicians.

RELATED DUTIES: Assists in delivering breathing equipment and air cylinders to and from fire houses.

MINIMUM QUALIFICATIONS:

Training and Experience. One year of experience in maintaining and repairing appliances or mechanical equipment, or an equivalent combination of training and experience. Certification as a Breathing Apparatus Equipment Technician. A valid State of Illinois driver's license is required.

Knowledge, Abilities, and Skill. Good knowledge of the mechanics and operations of breathing equipment and related components. Good knowledge of hand tools and testing equipment used in the maintenance and repair of breathing equipment. Good knowledge of the methods and techniques prescribed in manufacturers' manuals for the servicing of breathing equipment.

CLASS TITLE: Senior Air Mask Technician (Cont'd)

Ability to use hand tools and operate testing equipment. Ability to repair, maintain and clean breathing equipment and related components. Ability to successfully complete training courses provided by equipment manufacturers and obtain and maintain certification as a Breathing Equipment Apparatus Technician. Ability to apply methods and techniques detailed in
manufacturers' service manuals. Ability to maintain inventory records of replacement parts.

Skill in the use of hand tools and testing equipment. Skill in the repair, maintenance and cleaning of breathing equipment. Skill in the testing of breathing equipment.

Physical Requirements. Ability to lift breathing apparatus equipment weighing up to fifty pounds.

Working Conditions. Inside: Shop area with exposure to dust and fumes.

Equipment. Hand tools, manufacturers’ specialized tools, testing equipment including oxygen test stand and a posi-check machine, and air compressors.

NOTE: While the list of essential duties is intended to be as inclusive as possible, there may be other duties which are essential to particular positions within the class.

May, 1997