

600-42

**SAN ANTONIO WATER SYSTEM  
SAN ANTONIO, TEXAS**

**Specifications for Self-Contained Breathing Apparatus (SCBA)**

**April 23, 2008**

1. **SCOPE**

This specification covers the Self-Contained Breathing Apparatus, SCBA that is used to provide protection to personnel responding to emergency situations in which the concentration of contaminants in the air is unknown or is determined to be immediately dangerous to life or health, IDLH.

2. **GENERAL REQUIREMENTS**

Self-Contained Breathing Apparatus will meet the following standards: EPA: 40 CFR 311, Worker Protection; OSHA: 29 CFR 1910.38, Emergency Action Plans; OSHA; 29 CFR 1926.65 and 1910.120 Hazardous Waste Operation and Emergency Response “HAZWOPER”; OSHA: 29 CFR 1910.134, Respiratory protection.

**Special Notations:**

SAWS maintains mutual response agreements with the City of San Antonio’s Fire Department’s Hazardous Material Response Team. SAWS wishes to be able to have interchangeability in SCBA with the COSA’s SAFD response teams. The current SCBA equipment purchased and maintained by the COSA’s SAFD is manufactured by Scott Health and Safety.

**Description:**

Self-Contained atmosphere-supplying breathing apparatus with pressure demand full facepiece used by personnel to enter environments where the concentration of contaminants is unknown or may become immediately dangerous to life or health (IDLH).

**Physical Property Data:**

- All components must be National Institute for Occupational Safety and Health (NIOSH) certified.
- Pressure demand apparatus that provides slight positive pressure of air inside the facepiece.
- Ergonomically designed, lightweight, harness system.
- Harness may come in heat and spark resistant Kevlar® or chemical resistant Nylon.
- Clear, recognizable, audible alarm alerting wearer of end of service life of the air supply.

- Capable of providing 60 minutes of supplied air. Tank size to be 4500 psi (60 minute aka 4.5).
- Simple, dependable pressure reducer.
- Quick disconnect, low maintenance, air regulator.
- Facepieces that come in different sizes to fit most individual's facial features.
- Facepieces offer capability of supporting corrective eye requirements of the wearer.
- Facepieces offer communication capability for the wearer.
- Low maintenance components.
- Rugged, hard material carrying case for storage of the unit.
- Optional capability to be connected to an airline hose for connection to an air supply.
- Optional capability for NIOSH Certification for Chemical, Biological, Radiological, and Nuclear (CBRN) environments.

3. **APPROVED MANUFACTURERS AND MODELS:**

**Manufacturer**

**Model**

Scott Health and Safety

ISCBA 804942-01