
	Standard Operating Procedures	
	SOP 47	
	Subject: Breathing Air Quality for Emergency Services Respiratory Protection	
	Approval Date: 05/2019	
	Date Created: 12/2014	
	Next Review: 05/2020	
Approved By: Fire Chief/Fire Marshal Brent Hahn		

47.01 Purpose



To develop a functional system for the administration of the Kemah Fire Department’s Respiratory Protection Program that complies with the requirements of Texas Commission on Fire Protection (TCFP) 435.3, as it applies to self-contained breathing apparatus (SCBA) and applicable NFPA standards including NFPA 1852 (Standard on Selection, Care, and Maintenance of Open-Circuit Self-Contained Breathing Apparatus) and NFPA 1989 Standard on Breathing Air Quality for Emergency Services Respiratory Protection. The procedure establishes department procedures and responsibilities for the selection, care, inspection, and maintenance of SCBA. In addition, the procedure addresses the breathing air quality and documentation requirements for the department.

47.02 Policy

This policy establishes the Kemah Fire Department (KFD) procedures, responsibilities and requirements for the selection, care, inspection, and maintenance of SCBA that complies NFPA 1852, NFPA 1989 and TCFP 453.3.

The procedures will include the following items:

- Record Keeping System
- Providing instructions for cascade functions
- Inspection guidelines
- Cleaning and decontamination procedures
- Repair policy
- Storage policy

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47.03 Procedure

Record Keeping System

KFD will compile and maintain records on SCBAs and Cascade by documenting:

- Receiving quarterly air testing documentation from fill center i.e. SVFD, LCFD, TCFD and maintaining documents for minimum of 5 years
- When filling SCBA bottles with cascade, document date filled, name of person filling, Cylinder Serial #, Final Cylinder PSI, and Hydrostatic Test Date (Carbon Fiber Cylinders 5-year requalification and 15-year service life)
- Maintaining all Air-Pak and SCBA bottle testing records for no less than 3 years

Refilling Breathing Air Cascade

KFD utilizes the following:

- Rescue 1 at the KFD Station
- Seabrook Volunteer Fire Department to fill cascade as a primary fill center and refill of Rescue 1, if not available utilize next appropriate accepting facility to fill breathing air cascade while ensuring that department chosen is within compliance of NFPA 1989-2013.

A certification of analysis is obtained from the supplier to ensure breathing air testing is conducted per the requirements of NFPA 1989-2013 Standard on Breathing Air Quality for Fire and Emergency Services Respiratory Protection. Fill cascade by utilizing filling centers SOPs for compressor usage.

END OF SECTION