

Memorandum



CITY OF DALLAS

DATE: October 9, 2015

TO: Honorable Members of the Public Safety Committee:
Adam Medrano (Chair), B. Adam McGough (Vice Chair), Sandy Greyson, Tiffinni A. Young,
Jennifer S. Gates, Philip T. Kingston

SUBJECT: **Dallas Fire-Rescue Respiratory Protection Program**

On Monday, October 12, 2015, the Public Safety Committee members will be briefed on the Respiratory Protection Program. The materials are attached for your review.

A handwritten signature in cursive script that reads "Eric D. Campbell".

Eric D. Campbell
Assistant City Manager

Attachment

c: Honorable Mayor and Members of the City Council
A.C. Gonzalez, City Manager
Warren M.S. Ernst, City Attorney
Craig D. Kinton, City Auditor
Rosa A. Rios, City Secretary
Daniel F. Solis, Administrative Judge
Ryan S. Evans, First Assistant City Manager

Jill A. Jordan, P.E., Assistant City Manager
Mark McDaniel, Assistant City Manager
Joey Zapata, Assistant City Manager
Jeanne Chipperfield, Chief Financial Officer
Sana Syed, Public Information Officer
Elsa Cantu, Assistant to the City Manager – Mayor & Council

Dallas Fire-Rescue Respiratory Protection Program



Public Safety Committee
October 12, 2015



Dallas Fire-Rescue Respiratory Protection Program

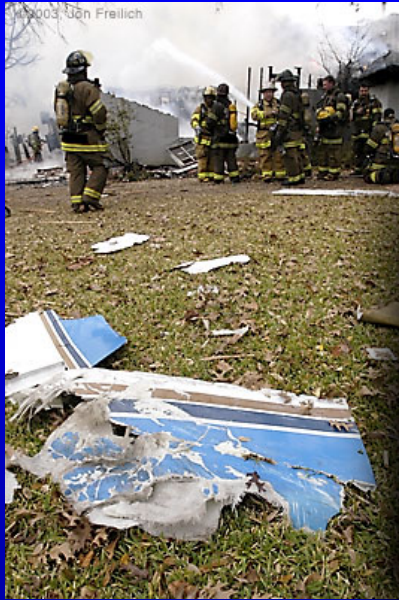
Overview

- Our Mission
- Incident Responses
- Toxic Gases
- SCBA (Self-Contained Breathing Apparatus)
- Staffing
- Special Calls
- Thermal Imager

Dallas Fire-Rescue Respiratory Protection Program



MISSION: To provide and maintain SCBA's and thermal imaging cameras in accordance to State and Federal laws, regulations and national consensus standards while ensuring the safety of our members.



Firefighting is a unique profession that presents many different situations with many different hazards.



Dallas Fire-Rescue

Respiratory Protection Program

TOXIC GASES GENERATED BY FIRE (partial list)

- Carbon Monoxide
- Carbon Dioxide
- Hydrogen Cyanide
- Hydrogen Chloride
- Nitrous Gases
- Phosgene
- Hydrogen Sulfide
- Sulfur Dioxide
- Acrolein
- Ammonia
- Formaldehyde
- Glutaraldehyde
- Acetaldehyde
- Benzaldehyde
- Benzene
- Various PNAs (polynuclear aromatic hydrocarbons)



Dallas Fire-Rescue Respiratory Protection Program

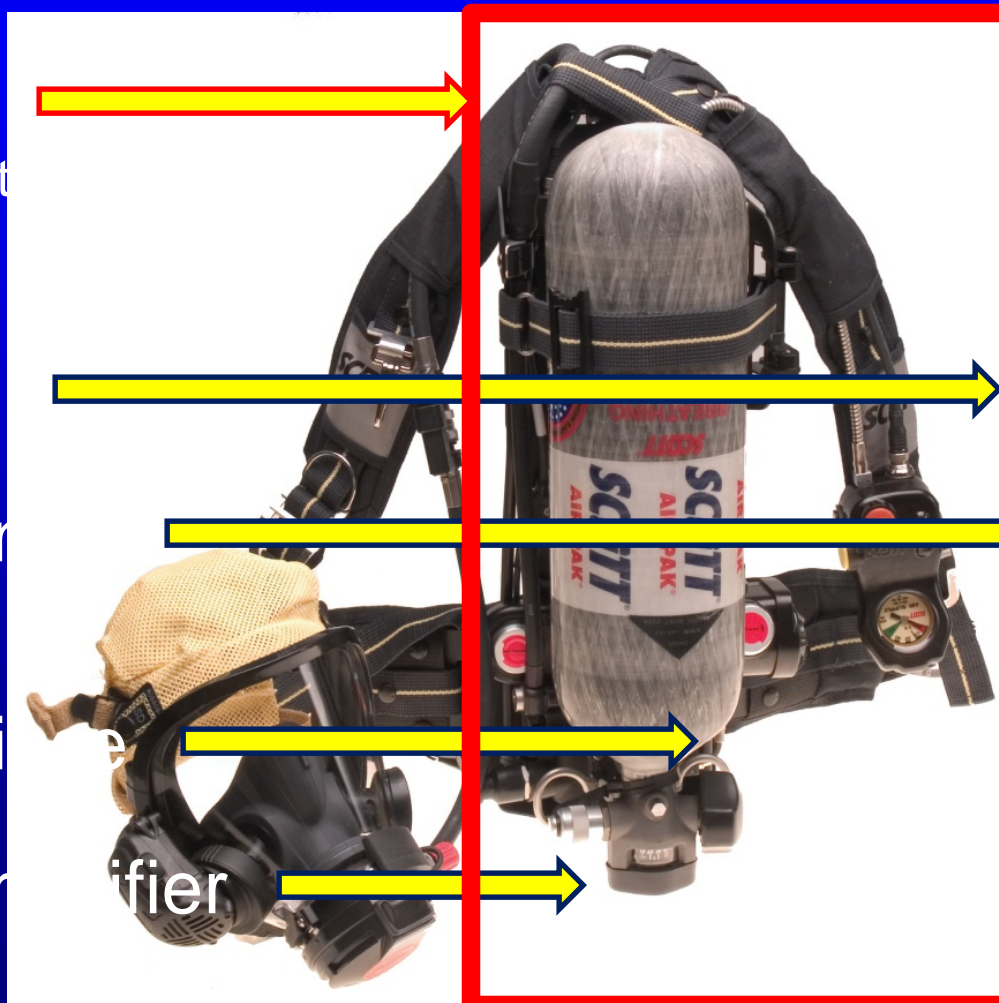
SCBA
(Self-Contained
Breathing

Air-Pak

Air Cylinder

Face Piece

Voice Amplifier



**HOW DO
WE
PROTECT
OUR
MEMBERS?**

Dallas Fire-Rescue

Respiratory Protection Program

Staff Lieutenant

Ensure Compliance with State and Federal Regulations

- Texas Administrative Code: Title 37 Part 13 Chapter 435.3 (Texas Commission on Fire Protection)
- Occupational Safety & Health Administration (OSHA) 29 CFR 1910.134 Respiratory Protection
- National Fire Protection Association (NFPA) Standards 1404, 1852, 1981, 1989 and 1500
- Certified In-House Service Repair Center

Dallas Fire-Rescue Respiratory Protection Program

Driver Engineer (Certified SCBA Technicians)

Daily

- Maintenance on 750 SCBAs
- Run routes and stops
- Refill Fire Air Cylinders
- Refill EMS Oxygen Cylinders



Dallas Fire-Rescue Respiratory Protection Program

Driver Engineer (Certified SCBA Technicians)

Annually

- Functional testing all SCBAs
- Fit-Test fire face pieces



Dallas Fire-Rescue Respiratory Protection Program

Driver Engineer (Certified SCBA Technicians)

Special Calls

- Multi-alarm 829 & 839
- Training
- Mutual-Aid



Dallas Fire-Rescue Respiratory Protection Program

Thermal Imager Program

- Repair and Maintenance
- Engines, Trucks, Battalion Chiefs, Deputy Chiefs



Dallas Fire-Rescue Respiratory Protection Program



Any Questions?