



TEXAS COMMISSION ON FIRE PROTECTION (TCFP)/ NFPA 1851 COMPLIANCE

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Agenda

- National Fire Protection Association (NFPA) 1851 Personal Protective Equipment (PPE) Selection, Care and Maintenance Standard
- Houston Fire Department (HFD) Compliance Requirements
- HFD Legacy PPE Program
- HFD PPE/Safety Program Improvements



What is NFPA 1851

- Standard on Selection, Care and Maintenance of Protective Ensembles for Structural Fire Fighting and Proximity Fire Fighting
- Standard to reduce the safety and health risk associated with poorly maintained, contaminated, or damaged Structural Firefighting PPE
- Compliments NFPA 1971: PPE product design, performance, testing and certification standard

HFD Compliance Requirements



- TCFP adopted NFPA 1851 in 2013
- Develop a Selection, care and maintenance program SOP
 - Records
 - Selection
 - Inspection
 - Clean and Decontamination
 - Repair
 - Storage
 - Retirement, Disposition and Special Incident Procedure



HFD Legacy PPE Program



1851 Requirement

1. Standard Operating Procedure
2. Routine Inspection
3. Advanced Inspection
4. Routine Cleaning
5. Advanced Cleaning and Decontamination
6. Repair
7. Storage
8. Retirement and special Incident Procedure

HFD Legacy Compliance Process

1. HFD PPE Guideline issued 1/02/2012
2. *Member Responsibility/Not in Policy*
3. Contract with **ISP**
4. *Member Responsibility/Not in Policy*
5. Contract with **ISP**
6. Contract with **ISP**
7. Vented Gear Lockers in Stations
8. *HFD Warehouse Personnel on call for immediate replacement*



HFD PPE Program Improvements

1851 Requirement

1. Standard Operating Procedure
2. Routine Inspection
3. Advanced Inspection
4. Routine Cleaning
5. Advanced Cleaning and Decontamination
6. Repair
7. Storage
8. Retirement and special Incident Procedure

HFD Compliance Improvements

1. HFD PPE Guideline issued 7/19/2018
2. Member Responsibility/Checklist and Training included in Guideline
3. Continued Contract with **ISP**
4. Member Responsibility/Checklist and Training included in Guideline
5. Continued Contract with **ISP**
6. Continued Contract with **ISP**
7. Continued Vented Gear Lockers in Stations
8. Procedure included in Guideline/ HFD Warehouse Personnel on call for immediate replacement



HFD PPE Program Improvements

- PPE Guideline to be revised on an annual schedule
- Member Daily checklist and Officer Semi-annual Routine Inspection
- Routine Inspection and Cleaning Training videos assigned
- On scene gross decontamination “pilot” program



HFD PPE Program Improvements

Exposed or Contaminated PPE Replacement

[Logistics warehouse notified](#)

[Gross decontamination on scene](#)

[PPE bagged and transported to warehouse](#)

[Firefighter issued replacement PPE](#)

[Contaminated PPE sent to vendor for testing](#)

[Serviceable PPE will be placed back in rotation](#)

Online Training Videos

[Advanced Inspection - Turnouts Part 1](#)

[Advanced Inspection - Turnouts Part 2](#)

[Advanced Inspection - Structural Helmets](#)

[Advanced Cleaning - Turnouts](#)

[Basic Repair of Turnouts](#)

[Advanced Inspection and Cleaning - Protective Footwear](#)

[Advanced Inspection - Proximity Suit](#)

[Advanced Inspection - Proximity Helmet](#)

[Advanced Inspection and Cleaning - Protective Gloves](#)

[Advanced Cleaning - Structural Helmets](#)



HFD PPE/Safety Program Improvements

Mayor/ City Council Approved Purchase (FY17-18)

- \$180,000 for PPE Gear Bags
 - Prevents exposure to direct sunlight during transport
 - Prevents mechanical damage during transport
 - Limits off gassing of any contaminants during transport
- \$560,000 for 2nd PPE Sock-Hood
 - Allows for rapid exchange of contaminated equipment
 - Allows for proper cleaning and decontamination of soiled PPE sock-hood
 - Reduces exposure to possible carcinogenic particles to the neck and head areas
- Post-Incident Decon Wipes
- \$70,391 AFG Grant Match
 - 15 Fire Station Modernization with Vehicle Exhaust System





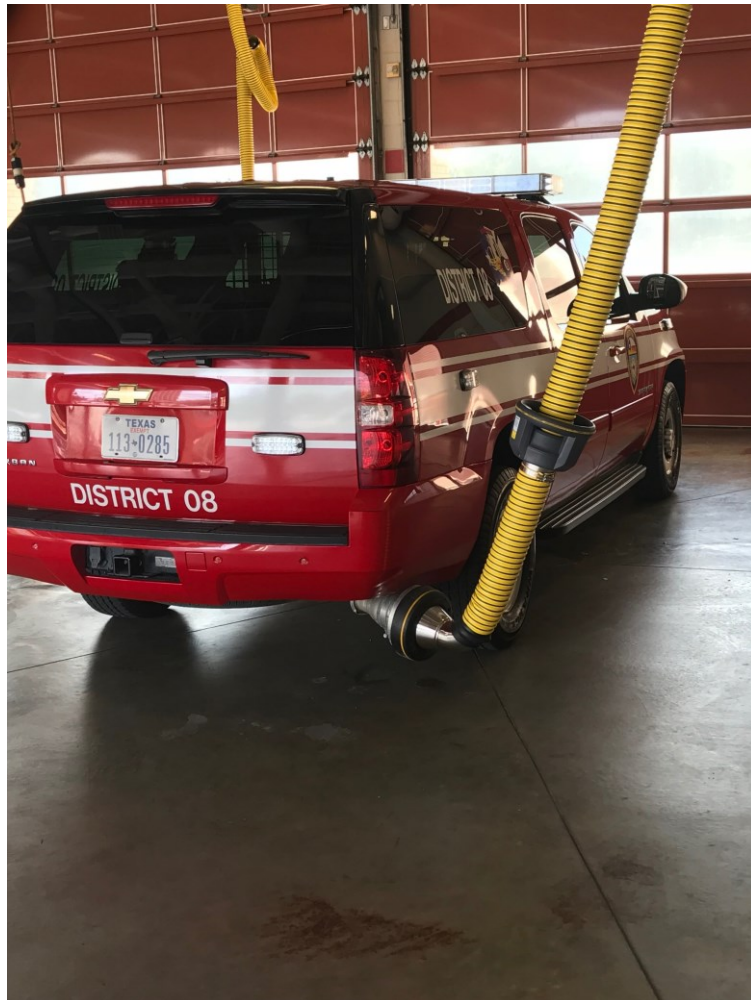
HFD PPE/Safety Program Improvement

Corporate Donations

- \$17,000 for Commercial Washer/Extractor @ Station 8
- Plan for 16 to 20 Commercial Washers/Extractors in FY19



HFD PPE/Safety Program Improvement



Grants

- \$107,000 for Plymovent Exhaust System @ Station 8
- \$703,919 FY 17 AFG Grant
 - 15 Fire Station Vehicle Exhaust System Installation this FY
 - Plan for 15 to 20 Fire Station Vehicle Exhaust System Installations per year.



Questions?