

FFFIPP – Protective Clothing and SCBA Evaluations – FY13 (927ZJQX)

Objective

To evaluate protective clothing and SCBAs in support of the investigation of firefighter injuries and fatalities and provide findings to accident investigators and stakeholders



Applicable Standards

- NFPA 1981 (SCBA), 1971 (Clothing), 1851 (SCAM Clothing), 1852 (SCAM SCBA)
- 42 CFR 84 / Statement of Standard for CBRN SCBA
- ASTM Test Methods

Key Partners

- NIOSH DSR
- NIOSH DSHEFS
- Michael McKenna and Associates, LLC

Stakeholders



Project Scope

- Conduct investigations of protective clothing and SCBAs involved in line-of-duty deaths and injuries to fire fighters in conjunction with the Fire Fighter Fatality and Injury Prevention Program (FFFIPP)
- Utilize findings to support revisions to standards, develop future NPPTL research, and educate the fire service

Milestones FY13

- Q1 – Completed Morgantown lab renovations and evaluation procedure for clothing
- Q2 – Completed SCBA lab set-up and conducted training
- Q3 – Complete correlation study for SCBA testing
- Q4 – Transfer SCBA testing from TEB to PCE team

Outputs

- Reports on Clothing and SCBA evaluations
- Findings on issues related to clothing/SCBA performance and use
- Presentations to stakeholders and SDOs (FDNSA, Smoke Fire Coalition, MA Arson Org, NPPTL, FIERO, Arizona Fire Safety Org)

Outcomes

- Use of reports by FFFIPP to expand current reports
- Use of findings and information by standards development organizations in the revision of standards
- Use of findings and information by the fire service to improve the care, maintenance, and understanding of the PPE and SCBAs
- New research projects

Updated: 4 April 2013