

# Evaluation of NFPA 1991 Vapor-Protective Ensemble Worn with CC-SCBA – FY13 (927ZJQW)

## **Objective:**

Conduct performance evaluation testing of NFPA 1991 Vapor-Protective Ensembles worn with Closed Circuit - Self Contained Breathing Apparatus (CC-SCBA)



## **Applicable Standard:**

NFPA 1991 Standard on Vapor-Protective Ensembles for Hazardous Materials Emergencies, 2005 Edition

## **Stakeholders:**

- NFPA Technical Committee on Hazardous Materials
- Industrial Hazardous Materials Response Teams
- Local/State/Federal Hazardous Materials Response Teams

## **Project Scope:**

Ensemble performance evaluations are specified in NFPA 1991 to be conducted with Open Circuit – Self Contained Breathing Apparatus (OC-SCBA). The NFPA Technical Committee (TC) has concerns with the practice of NFPA 1991 ensembles are being worn with CC-SCBA. Issues have been raised related to internal overpressure and oxygen build-up.

## **Milestones FY13:**

- Q1 Technical Services Contract Awarded to J.P. Zeigler, LLC
- Q3 Testing using ABMS system with 1991 Ensemble with CC-SCBA

## **Outputs:**

- Technical data and recommendations will be submitted to the NFPA Technical Committee for consideration during the NFPA 1991 revision process

## **Outcomes:**

- Increased worker awareness of issues related to wearing a CC-SCBA under a totally encapsulating ensemble



Updated: 10 April 2013