

# Use/Reuse Protocols for NIOSH-Approved CBRN APR FEMA CDP & CDC IAA # CE11-011: FY13 (939ZMMB)

## IAA Objectives

To assist the FEMA Center for Domestic Preparedness (CDP) and the CDC NCEH EPHRB in the development of protocols and guidelines for the safe use and reuse of pristine commercially available NIOSH-approved CBRN APR and accompanying PPE; increase the CDP's laboratory analytical capabilities; and enhance worker and trainee protection to support the training objectives of the chemical, ordnance, biological, and radiological training facility (COBRATF) at the DHS FEMA CDP in Anniston, Alabama.



## Applicable standards

- 42 CFR Part 84
- Federal register GB & VX AELs
- COBRATF standards document
- CBRN APR user instructions

## Key Partners

- CDP
- CDP COBRATF
- NCEH EPHRB
- ECBC

## Stakeholders

- Emergency responders
- State, local, & tribal agencies



## Project Scope

Assist the CDP in the following tasks: replace military specified PPE with NIOSH-approved CBRN APR and federal-consensus standard OSHA/NFPA rated chemical/biological ensembles; evaluate commercially available NIOSH-approved CBRN APR; review test data and address procedural gaps; develop CDP concept test procedures for the decontamination and reuse of NIOSH-CBRN APR; select next generation leak/fit test instruments and methods to improve the COBRATF respiratory protection program and conduct a comprehensive review of all COBRATF policies impacted by the IAA project updates.

## Milestones

- NFPA protective ensemble autoclave benchmarks: 3Q FY11
- ECBC MIST trials of NIOSH-approved CBRN APR & suit: 4QFY12
- Selection, purchase, & use of NIOSH-approved CBRN APR: 2Q FY13
- CDP specific CBRN APR reuse procedures developed: 2Q FY13

## Budget

FY11-12 – DHS FEMA: \$83K  
FY12-13 – DHS FEMA: \$56K



## Outputs

- Retention of NIOSH-certification feasibility determined as plausible regarding safe reuse and said NPPTL letter issued to CDP 11/12/ 2011
- COBRATF PC&E protocols updated
- Consensus CDC-NIOSH-COBRATF APR decon and reuse STPs
- NIOSH specific TC number for FEMA CDP COBRATF CBRN APR

## Outcomes

- FEMA CDP adopts CDC 2003/2004 AELs, replaces mil-spec gas masks, and uses new NIOSH-approved CBRN APR IAW reuse protocols
- COBRATF trains with DHS recognized PPE & NIOSH-CBRN APR

Updated: 09 April 2012