

# Fit Test Pilot Studies – FY12 (927ZKRH-2)

## Objectives

- Evaluate the efficacy and benefit of user seal checks (USCs) on N95 Filtering Facepiece Respirators (FFRs)



USC

## Applicable Standards

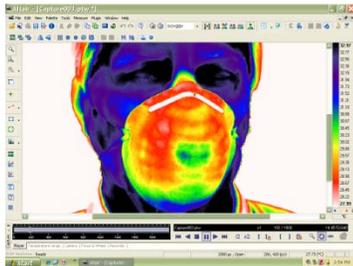
- 29 CFR 1910.134 Appendices A, B1 and D
- 42 CFR 84

## Stakeholders

- OSHA
- Manufacturers
- Employers
- Labor Unions
- AIHA
- Respirator Users

## Stakeholders (cont'd)

- Healthcare workers
- Hospital administrators
- Policy makers
- Law enforcement
- General public



IR Camera data

- Evaluate emerging technologies for their potential to locate FFR leaks and identify good and poor fitting FFRs

## Project Scope

Conduct quantitative fit tests on N95 FFRs under varied conditions to assess USC efficacy and /or determine if emerging technologies (IR camera, ultrasound) may be useful in assessing FFR fitting characteristics or discriminating between an adequate and a poor seal between the FFR and the user's face

## FY12 Milestones

- None, project is completed.

## Outputs

- Peer-reviewed publications (2)
- Presentations at conference and/or stakeholder meetings (2)

## Outcomes

- Pilot data is used to support full project proposals
- Pilot data is used by NIOSH, CDC, OSHA, ISO, and ANSI, in guidance documents, standards, and regulations

Updated: March 13, 2012