

Total Inward Leakage (TIL) / Other Classes of Respirator – FY15 (921ZFYH)

Objective

Establish TIL testing capability and performance requirements for testing air purifying and supplied air respirators for inclusion in 42 CFR Part 84.

Applicable Standards

- 42 CFR Part 84 DOE
- OSHA ISO

Key Partners

- Respirator Manufacturers

Stakeholders

- OSHA Labor Unions
- Manufacturers Respirator Users
- Employers

Project Scope

- Establish TIL requirements for all respirator classes

Milestones FY15

- 1Q15 – Complete NaCl chamber characterization
- 2Q15 – Initiated use of chamber for project testing (i.e., ISO protection class)
- 3Q15 – NaCl chamber preparation for ISO 16900-1 validation study
- 4Q15 – Utilize chamber for ISO 16900-1 validation study

Outputs

- TIL performance requirements for testing and certification in 42 CFR Part 84
- Final rule

Outcomes

- PPE designs that result in better overall fitting respirators for general industrial workers, healthcare workers and emergency responders.

Updated: 20 Feb 2015