Docket 008A
December 2, 2008

Policy and Standards Development Branch
Jonathan Szalajda

Overview
Powered Air-Purifying Respirator

Technology Laboratory
National Personal Protective
Paper Agenda

9:00 - 9:45
- Paper Presentations

9:45 - 10:15
- Paper Posters

10:15 - 11:30
- Paper Presentations

11:30 - 12:00
- End of Service Life Indicator Research
- Gas/Vapor and Aerosol Testing
- Flow Rates

11:00
Input Being Sought
End of Service Life Indicator Research
Gas Life / Aerosol Testing
Flow Rates
Requirement Development

Presentation Topics
requirement development

- Allow for new technologies to be certified
- Allow for existing technologies to continue
- Identify minimum performance standards
• Response to "Document for Comment" (put in web link)

• Stakeholder Feedback (Docket, Public Meetings, Stakeholder Meetings)

• Use of December 21, 2007 Concept Paper (three sets of comments)
Expands Product Market

Meets Needs and Protections for Variety of Users

Responds to Stakeholder comments

Leverages ISO 9000

Flow Rates

Work Rates Expressed as Respiration
Inward Leakage of 0.004 (LRPL Value of 250)
- 11 Lpm, 25 Lpm, 40 Lpm

Breath Assisted Development of New Categories
Flow Rates

Positive Pressure
- Inward Leakage of 0.001 (LRPL Value of 10,000)
- 40 Lpm, 57 Lpm, 78 Lpm, 99 Lpm
Rates maintaining aerosol challenges at high flow
Benchmark testing shows feasibility of
Capacity and efficiency at multiple flow rates
Wheel relationship addresses assessment of
That uses the Wheel relationship
Alternate approach for gas and vapor testing
Gas Life and Aerosol Testing
Feasibility

Protections where research has indicated ESLI

Focus on Organic Vapor and Acid Gas

may be more technologically advanced

Use only on Positive Pressure Devices that

Advance Respiratory Protection Technology

ESLI
- PAPRs with current approvals will not be obsolete

- After publication of new rule in the FR

- Consider modifications / extension of approval for 2 years

- Promulgation of the new requirements under the current regulations for up to 3 years after

- Manufacturers/Distributors may sell PAPRs approved

- Product Approvals under previous requirements

- Certification of new product on first-in, first-out basis

- Respirator applications

- Takes effect 30 days after publication in the FR for all new

- Product Approvals under new rule:

**PAPR Standard Implementation**
PAPR ESLI for organic vapors and acid gases.

Opinions on the establishment of positive pressure to gas and vapor testing.

Opinions on the consideration of an alternate approach.

Opinions on the consideration of PAPRs with LRPL testing.

Opinions on the linkage of breath assisted PAPRs and where PAPRs can be submitted for approval.

Opinions on the expansion of the number of work rates.

Opinions on the concept of categorizing PAPRs as breath assisted or positive pressure devices.

Input Being Sought
Visit us at: http://www.cdc.gov/niosh/nptl/default.htm