

# **NIOSH/NPPTL Public Meeting**

**Powered Air Purifying Respirator Standards  
Development Efforts**

**for**

**Respiratory Protection**

**against**

**Chemical, Biological, Radiological, and Nuclear  
(CBRN) Agents**

---

**Hilton Garden Inn, Canonsburg, Pa**

**May 4, 2004**

# Welcome

---

**Richard Metzler**

**Director, National Personal Protective  
Technology Laboratory**



# CBRN Respirator Standards

- Standards Completed
  - SCBA – January 2002
  - SCBA upgrades – March 2003
  - Gas masks – March 2003
  - Escape sets – October 2003
- Standards in Development
  - PAPRs
  - Integrated SCBA/PAPR
  - Integrated SCBA/APR
  - Closed-circuit SCBA



# NIOSH Approved CBRN SCBA

---

- **Interspiro, USA** — Twelve approval numbers
- **Scott Health & Safety** — Fourteen approval numbers  
— CBRN upgrades — Eight approval numbers
- **Mine Safety Appliances Company (MSA)** — Four approval numbers  
— CBRN upgrades — Eight approval numbers
- **Draeger Safety Incorporated** — Three approval numbers
- **International Safety Instruments** — Three approval numbers
- **Survivair** — Three approval numbers

Approved models are identified by TC-number at:

<http://www.cdc.gov/niosh/npptl/cbrncheck.html>



# NIOSH Approved CBRN APR

---

- Mine Safety Appliances Company (MSA) – One approval number
- 3M Company (3M) – One approval number

Approved models are identified by TC-number at:  
<http://www.cdc.gov/niosh/npptl/cbrnaprcheck.html>

# **CBRN PAPR Concept Evolution**

---

- Initial Concept Paper and Public Meeting  
October 2003
- Consideration of Public Meeting, Stakeholder  
Comments, Docket Comments
- Revised Concept Papers February and April  
2004
- Public Meeting May 2004



# CBRN Standards Partnerships

- Workshops/Committee Meetings
  - NIOSH-DOD-OSHA Chemical-Biological Respiratory Workshop & Report (March 1999)
  - Interagency Board Standards & PPE Committees
- Cooperation among NIST, RDECOM, OSHA, NIOSH, NFPA, and DHS
- Define Collaboration for CBRN Standards Development
- IAA's with NIST and RDECOM
- Initial and Continuing Funding from NIST-NIJ/NIST-DHS/CDC
- RDECOM Technical Support for Testing



# Quality Partnerships Enhance Worker Safety & Health

