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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



CBRN Respirator Standard Development Overview

Roland BerryAnn

NIOSH/NPPTL Public Meeting
Hilton Garden Inn, Canonsburg, Pa

Agenda – May 4, 2004

<u>Time</u>	<u>Topic</u>	<u>Presenter</u>
9:00–9:10	Welcome	R. Metzler, NIOSH
9:10–9:20	CBRN & Administration Overview	R. BerryAnn, NIOSH
9:20–9:45	PAPR Concept Development	J. Szalajda, NIOSH
9:45–10:00	Breathing Performance	T. Thornton, NIOSH
10:00–10:15	High Flow Study	D. Caretti, RDECOM
10:15–10:30	Canister Resistance/Service Life	G. Monahan, NIOSH
10:30–10:45	Break	

Agenda – May 4, 2004

<u>Time</u>	<u>Topic</u>	<u>Presenter</u>
10:45–11:10	Canister Testing	T. Thornton, NIOSH
11:10—11:30	Particulate Testing	T. Thornton, NIOSH
11:30—12:00	Battery Requirements	T. Klemetti, NIOSH
12:00–1:00	Lunch Break	
1:00–1:20	Human Factors Requirements	F. Palya, NIOSH
1:20–1:40	Durability Testing	F. Palya, NIOSH
1:40–2:30	CBRN testing (CWA & LRPL)	M. Bergman, NIOSH
2:30–2:45	Break	

Agenda – May 4, 2004

<u>Time</u>	<u>Topic</u>	<u>Presenter</u>
2:45—3:00	CWA Simulant Project	F. Palya, NIOSH
3:00 –3:15	Summary Standard Development Schedule CBRN APR Retrofit CBRN PAPR Activities	J. Szalajda, NIOSH
3:15–4:00	Attendee Presentations ISEA	J. Bradley
4:00–5:00	Open Comment Period	
5:00	Adjourn	

Meeting Logistics

- **Sign In Sheets**
- **Meeting Recorded, Verbatim Transcript for Docket**
- **Presentation in accordance with the Agenda**
- **Q & A Period After Each Presentations**
 - **Comment at Microphone; Identify Name and Affiliation**
 - **Additional Presentations – Sign up at Registration Desk**

Information Docket CBRN PAPR Respirator

- Mail:
 - NIOSH Docket Office
 - Robert A. Taft Laboratories, M/S C 34
 - PAPR – NIOSH 010
 - 4676 Columbia Parkway
 - Cincinnati, OH 45226
- Email: niocindocket@cdc.gov
- Fax: (513) 533-8285
- Phone: (513) 533-8303
- NPPTL Web Site: <http://www.cdc.gov/niosh/npptl>

CBRN Standards Development

Purpose of this Public Meeting

- Present Concepts for CBRN Powered Air Purifying Respirators Standard