

This presentation should not be considered a final statement of NIOSH policy or of any agency or individual who was involved. This information is intended for use in advancing knowledge needed to protect workers. Comments regarding this presentation may be submitted to the NIOSH Docket Office.

---

# **General Comments on the Industrial PAPR Concept**

# **CBRN Respirator Standards**

---

**The findings and conclusions in this presentation have not been formally disseminated by the National Institute for Occupational Safety and Health and should not be construed to represent any agency determination or policy.**

# Outline

---

- CBRN PAPR concept influences
- Current Industrial PAPR Concept is highly design specific
  - Performance specifications are desirable
- Requirements for cartridges and canisters are not based on the needs of today's industrial applications

# Industrial PAPR

---

- The CBRN concept appears to be the template for the Industrial PAPR
- Thus First Responder input/concepts are dictating the design of the industrial PAPR
- The result is an over designed PAPR for many industrial applications

# Concept Comments

- The proposed standard is very design specific.
- NIOSH should develop standards that set minimum **performance** requirements for respiratory protection.
  - Design standards prevent manufacturers from using latest advances in technology
  - Design standards prevent manufacturers from developing products the end users want/need
- Many of the design requirements in the standard should be “options” available to the market to let the user decide the features needed, not the regulators

# Basis for Revisions

---

- Based on the significant differences between the industrial PAPR concept and the current PAPR standards, NIOSH needs to provide the rationale for these drastic changes.

# Cartridge vs. Canister

---

- This concept appears to require that a full face piece PAPR be approved under 14G, requiring canisters instead of cartridges
- This is a design specification
- 3M experience is that very few industrial accounts with gas and vapor exposures want or need canisters
- In fact most want something smaller than today's cartridge
- Even today's cartridges are larger than needed for many applications

# Conclusions

---

- Desirable outcome is a concept that is:
  - Performance oriented
  - Allows for different devices for different needs
  - Based on input that describes the industrial PAPR user's needs