

Elastomeric Respirators

- Air-Purifying Particulate Respirators (APR)
- Reusable facepiece with disposable filter cartridges
- Half-face APRs
 - Only covers nose and mouth
 - Goggles or faceshield needed
- Full-face APRs
 - Covers entire face
- Variety of filters

ust In Time Trainin



Powered Air-Purifying Respirators (PAPRs)

- Air-Purifying Particulate Respirators (APR)
- Battery-powered blower pulls air through filters then moves filtered air towards facepiece
- Can be cooling device
- Not all require fit-testing and seal checks
- Check batteries

Just In Time Traini



Self-Contained Breathing Apparatuses (SCBAs)

- Air-Supplying Respirator
- Supply uncontaminated air to full facepiece
- Used in high risk environments
- Minimum usage time of 30 minutes
- Follow-up medical examination required
- Not commonly used in veterinary medicine

ust In Time Trainin



RESPIRATOR USAGE AND SAFETY

Training

E: Respirator Usa

Selecting a Respirator

- Type of hazards
- Identity and concentration of the contaminant
- Degree of protection provided by each type of respirator
- Activity of the person wearing the respirator
- Time constraints

Just In Time Train

PPE: Respirat

Standards and Regulations

- OSHA
 - Occupational Safety and Health Administration
 - OSHA 1910.134
- FDA
 - Food and Drug Administration
- NIOSH
 - National Institute for Occupational Safety and Health

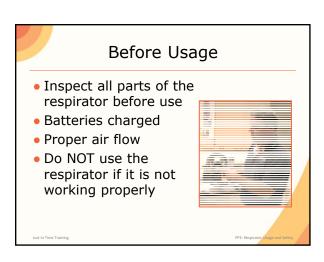
Just In Time Traini

PPE: Respirator

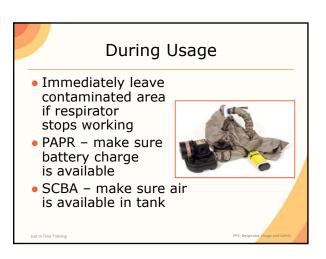












Cleaning

- Follow manufacturer's cleaning guidelines
- Warm water/mild detergent
- Disinfectant solution
- Dry thoroughly
- Never soak entire unit in detergent





Respirator Storage

- Store in accordance with manufacturer's instructions
- Check expiration dates
- Never use and discard if:
 - Color changes
 - Shrinking
 - Wearing/thinning of material
 - Stretching
 - Cuts/tears/holes

Resources

- Occupational Safety and Health Administration (OSHA) Respiratory Protection
- National Institute for Occupational Safety and Health (NIOSH) Respirators

 http://www.cdc.gov/niosh/topics/respirators/
- U.S. Food and Drug Administration (FDA)
 Masks and N95 Respirators
- U.S. Department of Agriculture Foreign Animal Disease Preparedness and Response Plan (FAD PReP) NAHEMS Guidelines: Personal Protective Equipment



Acknowledgments

Development of this presentation was by the Center for Food Security and Public Health at Iowa State University through funding from the Multi-State Partnership for Security in Agriculture

Authors: Abbey Smith; Glenda Dvorak, DVM, MPH, DACVPM



