Rowan University

Job Hazard Analysis (JHA) Training
Objectives
General Information

- What is a JHA?
- Definition: A Job Hazard analysis is...
Lung Defense Mechanisms

- Filtration
- Muco-Ciliary Escalator
- White Blood Cell Activity-Macrophages

- Smoking and its Effects
Types of Respirators

- Air Purifying Respirators
  - Half Face
  - Full Face
  - PAPRs

- Supplied Air Respirators
  - Airlines
  - Self Contained Breathing Apparatus
Filtering Media

Mechanical Filters
- N, R, P
- 95, 99, 100

Chemical Filters
- Absorption
- Adsorption
Limitations and Capabilities

- Oxygen level in atmosphere must be between 19.5% and 21%
- Will only work with corresponding filters or cartridges
- Can protect you from hazardous levels of materials
- If worn properly and in the right atmosphere, respirators can save your life
Inspection, Donning, Doffing, Use, and Checking Seals

- Always inspect respirator before donning
- Check integrity of seals and cartridges before putting on respirator
Maintenance and Storage

- Cleaning and Disinfecting
- Storage
- Inspection
Fit Testing vs. Fit Checks

Fit Tests
- Fit Testing
  - Qualitative
    - Irritant Smoke
    - Banana Oil
    - Sacharin
    - Bitrex
  - Quantitative
    - How Much

Fit Checks
- Positive fit check
- Negative fit check
Medical Signs and Symptoms

- The following are signs or symptoms that may prevent the use of a respirator:
  - Seizures
  - Claustrophobia
  - Asthma
  - Emphysema
  - Pneumonia

- Collapsed Lung
  - Lung Cancer
  - Broken Ribs
  - Chest Injuries/Surgeries
  - Any other lung problems
  - Heart or Circulation problems
  - Anxiety
Fit Testing Frequency

- You Must Be Fit Tested Annually

- You Must Also Be Tested If:
  - You Need To Change The Make or Model of The Respirator
  - You Gain or Lose More Than 10% of Your Body Weight
  - You Grow or Alter Any Facial Hair
  - You Have Any Physical Changes To Your Face/Dentures
Any Questions?