Personal Protective Equipment (PPE)

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Why is PPE Important?

Don't Forget the Hierarchy of Controls

- Eliminate hazard
- Engineering controls
- Administrative controls
- PPE

Four (1/2) Levels of PPE

- Level A
- Level B
- Level B+
- Level C
- Level D

Why choose one over another?

Level A

- Supplied air respirator
- Encapsulating suite
- Inner and outer gloves (outer gloves are part of the suite)
- Boots (may be part of the suite)
- May have head protection

Level B and B+

- Supplied air respirator
- Splash suite
- Inner and outer gloves
- Boots
- May have head protection

Level C

- APR (full or ½ face) or PAPR
- Splash suite
- Inner and outer gloves
- Eye Protection if ½ face APR is worn
- Boots
- May have head protection

Level D

- May be…
  - Apron
  - Gloves
  - Hard hat
  - Eye Protection
  - Boots
  - (Basic work PPE)

What Does Federal Guidance Say?

- APHIS: 9-18-2007 (6800.1)

- OSHA-2006 (3323-10N)

    – Hand Protection

    – Body Protection

    – Foot Protection

    – Eye Protection

    – Respirator

Concerning Respirators…

- Respiratory protection program
- Medical clearance
- Fit testing
- Proper selection
  - Evaluate Chemical Hazard
  - Evaluate O_2
  - If APR is there a cartridge
  - Is there a governing standard

Types of Respirators

- Supplied Air
  - Self Contained Breathing Apparatus (SCBA)
  - Air Line
- Powered Air Purifying Respirators (PAPR)
- Air Purifying Respirators (APR)
  - Full Face
  - Half Face

Concerning CPC

- Four point approach to selecting CPC
  - Evaluate hazard
  - Evaluate exposure to hazard
  - Evaluate chemical resistance
  - Evaluate physical resistance

What are the Health and Safety Issues of Wearing PPE?

- Decreased vision, agility, communication, etc.

- Increased heat stress

- Issues of claustrophobia

Lets Discuss Some Scenarios

So What is the Answer?

- Training, training, training
- Evaluate environment and work tasks
- Proper selection and fit
- Create and follow PPE program and include site specifics in the site HASP