

Take 5 for Safety

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Typical PPE Posting for C-AD Industrial Areas

Building 801



SAFETY GLASSES



LAB COAT



LONG PANTS



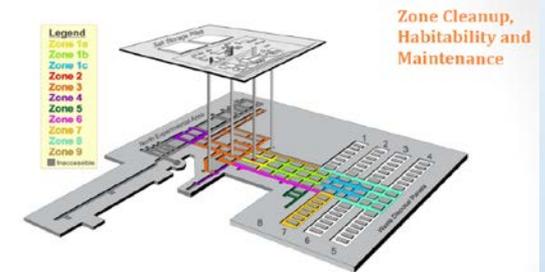
FULLY ENCLOSED
SHOE

- **Area-based PPE is required for entry to industrial areas at C-AD and it applies year round**
- **PPE is one of several defenses**

Defense in Depth or Flawed Defenses

- Accelerators have lots of protective layers but some of these barriers can erode or break down and another layer in the chain can prevent an event from occurring
- The common problem we have with this is that events are few and far between and we can tolerate erosion in some of our defenses without resulting in events
- What happens when these defenses begin to erode is that we wind up thinking we have defense in depth when in fact we really have flawed defenses and broken barriers
- This is why it is important to keep an open mind about what may be flawed

Defense in Depth or Flawed Defenses



Waste Isolation Pilot Plant
Carlsbad, NM

- LANL specified “Kitty Litter/Zeolite Clay” in its study and in its Standard Practice Report but the final operations procedure stated “ensure an organic absorbent (Kitty Litter/Zeolite® absorbent) is added to the waste material...”
Flawed defenses resulted in \$250M cleanup and restart costs (to date 2016) at WIPP

Picture of the Week – Enjoy the Summer

