Cleaning and Disinfection

Personnel Disinfection Station

- Adjacent to entrance
- Flat terrain
- Impermeable surface
- House components
  - C&D equipment
  - Water supply
  - Waste water containment

Preparation

- Prepare (4) buckets of fresh warm water
  1. Add mild detergent/cleaner
  2. Rinse water
  3. Add EPA-registered disinfectant
  4. Rinse water
- Water temperature no greater than 110°F
- Running water is preferred

Disinfectant Solutions

- Use according to product label
- Only EPA-registered or approved products
- Prepare fresh solutions
  - Old solutions may have reduced efficacy
- Test kits to help check concentration

Biosecurity Work Zones

Basic Protocol

- Systematic manner
- Cleaning
  - Dry clean
  - Wash
  - Rinse and Dry
- Disinfection
  - Application
  - Contact time
  - Rinse and Dry
**Procedure**

- **In Hot Zone**
  - Dry brush exterior of PPE to remove gross contamination
  - Spray PPE with disinfectant
  - Enter Decon Corridor

**Wash and Rinse**

- **Reusable Clothing**
  - Wash items with detergent using soft brush, cloth, or sponge
  - Rinse components with clean, warm water

**Disinfect**

- Apply EPA-registered disinfectant solution to exterior
- Allow solution to sit for appropriate contact time
- Items must remain “wet” with solution

**Disposable Clothing Items**

- Spray with EPA-registered disinfectant
- Allow necessary contact time
- Doff PPE
- Place in plastic garbage bags
  - Spray outer surface with disinfectant
  - Place at perimeter for removal

**Footbaths**

- Ineffective if used incorrectly
  - False sense of security
  - Should not be sole process of disinfection
- Use fresh solution
- Allow contact time

**Respirators**

- C&D procedures available from OSHA
- Proper cleaning to
  - Reuse respirator
  - Avoid damage to the respirator
  - Avoid harm to user on reuse
Respirator C&D

- **Clean**
  - Remove filters, cartridges, canisters
  - Disassemble components
  - Wash with warm detergent water
  - Rinse thoroughly
- **Disinfect**
  - Immerse in EPA-registered disinfectant
  - Allow needed contact time
  - Rinse thoroughly
- **Change solution after 20 respirators**

Personnel

- **Shelter for privacy**
- **Warm water with antimicrobial soaps**
- **Wash hands before leaving**
- **Once home**
  (or if possible on-site)
  - Complete shower

Safety

- **Chemical Hazards**
  - Skin, eye, respiratory irritation
- **Physical Hazards**
  - Slips, trips, falls
  - Heat injury
  - High pressure sprayer

References

- [https://fadprep.lmi.org](https://fadprep.lmi.org)
- USDA APHIS. FAD PReP NAHEMS

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