



Cleaning and Disinfection

Personnel



Personnel Disinfection Station


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



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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



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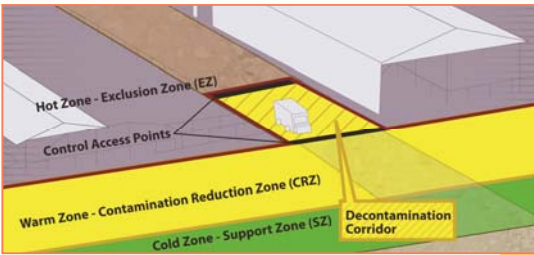
Disinfectant Solutions

- 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



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Biosecurity Work Zones



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Basic Protocol


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

Cleaning	Dry Clean
	Wash
	Rinse & Dry
Disinfection	Application
	Contact Time
	Rinse & Dry

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Procedure


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



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Wash and Rinse


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



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Disinfect


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



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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



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Footbaths


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



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Respirators

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



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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

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Personnel


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



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Safety

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




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References

- <https://fadprep.lmi.org>
- USDA APHIS. FAD PreP NAHEMS
 - Highly Pathogenic Avian Influenza Standard Operating Procedures: Cleaning and Disinfection. February 2010.
 - Foot-And-Mouth Disease. Standard Operating Procedures: Cleaning and Disinfection. February 2010.
 - NAHEMS Guidelines: Cleaning and Disinfection. June 2011.


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