Cleaning and Disinfection Overview
Animal Disease Emergencies

Cleaning and Disinfection (C&D)
C&D is essential both during and after an animal disease emergency event to ensure the disease does not spread from the infected premise to other locations. When done correctly, these measures can be very effective.

- Cleaning and disinfectant materials should be available at designated entry sites of the quarantine zone. This should include brushes, buckets, hoses, water, disinfectant and, if possible, a pressure washer.

- Equipment and vehicles should be cleaned and disinfected upon arrival and departure of infected premises.

- Cleaning and disinfection procedures will be needed for any buildings, pens, or enclosures that infected animals were located or in contact with.

- For personnel entering the infected premises, protective clothing, footwear and disposable gloves (PPE) should be available. These items must be removed and disposed or cleaned and disinfected before leaving the infected premises.

- When possible, a shower for all visitors/workers can be effective in minimizing the transfer of disease agents off of the infected premises.

Basic Steps for C&D
To be effective at killing disease agents, cleaning and disinfection procedures must be done correctly to achieve optimum results.

- Remove all visible dirt, manure, debris
  - *This is the most important step!!*
  - Gross contamination will inactivate many disinfectants, making them ineffective against disease agents.

- Clean all areas with detergent and warm to hot water.
  - Scrub with brushes especially in corners or crevices.

- Rinse; if possible allow area to dry.

- Apply properly mixed disinfectant.
  - Allow the disinfectant to remain for the **proper contact time**. This is essential to obtain an effective kill of the pathogen.

- Rinse; if possible allow area to dry.

Health and Safety
- Chemical disinfectants can have health hazards associated with their use.
- Personal Protective Equipment (PPE), such as eye/face protection, filter masks and gloves, should be worn when working with these chemicals.
- Precautions should be taken to avoid other potential hazards, such as slips, trips and falls, during C&D operations.
- Consult with the Incident Command Safety Officer for the proper use and handling of cleaning and disinfecting equipment and agents.