

# CLEANING & DISINFECTION

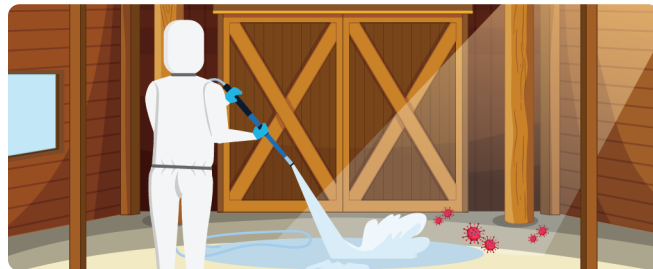
When a Foreign Animal Disease (FAD) is present, dangerous pathogens such as viruses can spread while hiding on the premises, equipment, personnel's clothing and belongings, or vehicles. Cleaning and disinfecting all surfaces is an important process to stop the spread of the FAD. Cleaning is the process of removing organic material and visible contamination, such as mud and manure, from a surface to allow effective disinfection. Disinfection is the process of killing and disabling pathogens from a surface using a disinfection method. Virus elimination may also be achieved through other methods such as the fallow period.

## PREMISES CLEANING AND DISINFECTION (C&D)

The affected production system, the conditions on the premises, and the disease agent must be evaluated to determine the C&D method. A combination of C&D methods may be chosen based on site-specific elements.

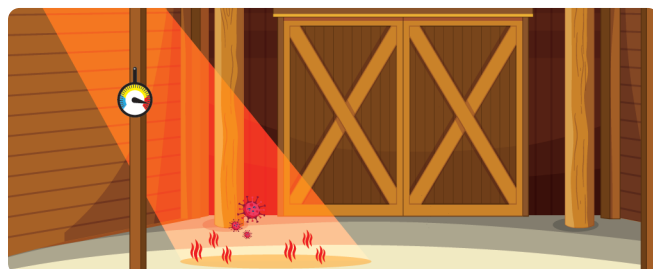
### Cleaning methods:

- **Dry cleaning** involves removing visible contamination with a brush or scraper.
- **Wet cleaning** is utilizing a surfactant and water to remove visible contamination that is difficult to remove by dry cleaning.



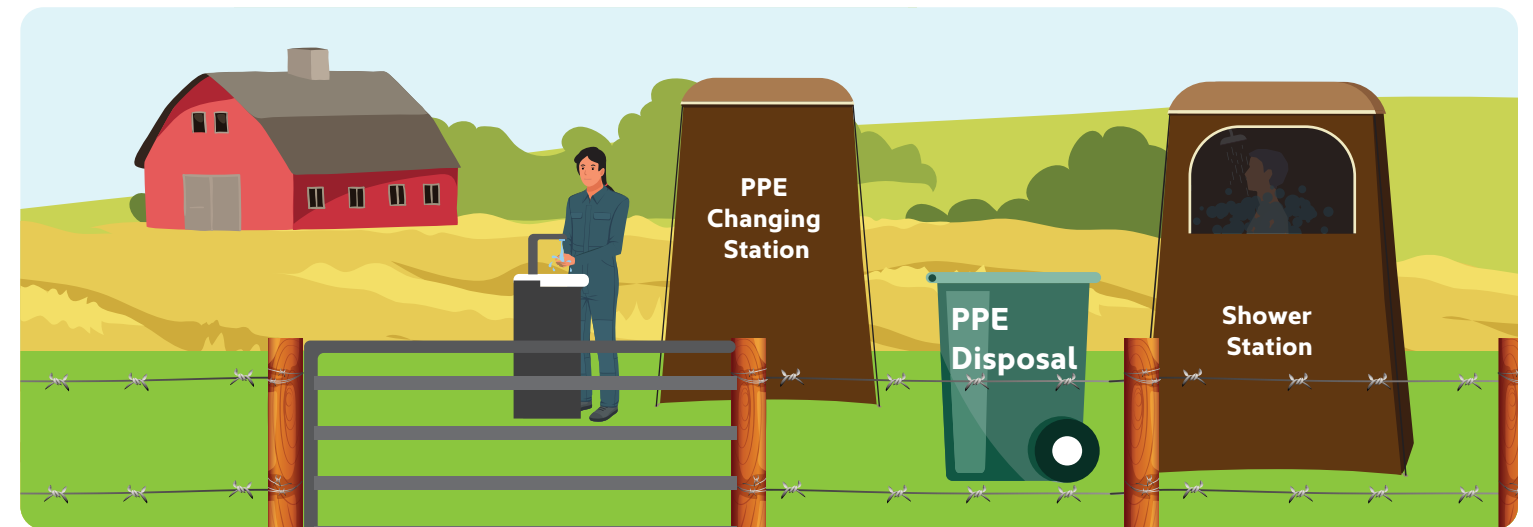
### Disinfection methods:

- **Chemical disinfectants** such as alcohol, biocidal solution, or acid are used to inactivate microorganisms. Consider the disease agent and select an effective disinfecting product.
- **Physical disinfectants** such as radiation or heat are used to destroy microorganisms. Two types of heat are utilized – moist heat, which includes steam or boiling water, and dry heat, which includes direct flame or hot air.



## PERSONNEL SAFETY DURING C&D

During C&D all personnel must wear appropriate Personal Protective Equipment (PPE) because many disinfectants are hazardous to humans. Proper use of PPE is needed when mixing, handling, and applying disinfectants. PPE must be disposed or washed prior to leaving the premises to lessen risk of disease spread.



## EQUIPMENT AND VEHICLE C&D

Equipment used on-site can transfer pathogens to other locations and to susceptible animals. All equipment must undergo C&D or be properly disposed after use. Any vehicle used on an infected premises, or to haul infected animals, can transport pathogens from one site to another. These contaminated vehicles must go through a C&D wash station to remove the disease risk.

