



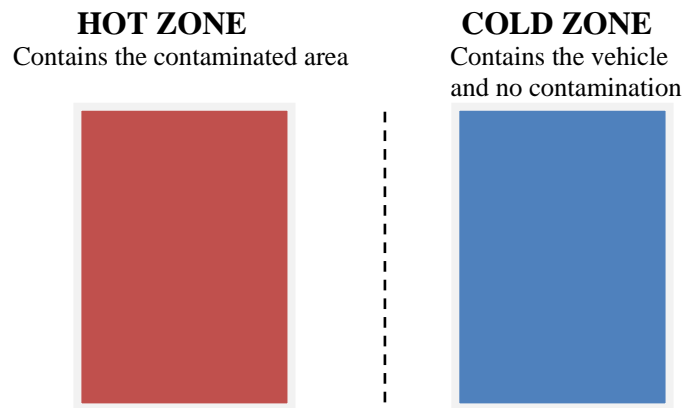
### **Personal Protective Equipment (PPE)**

Each time an animal health professional steps onto a farm or property where animals are located, they must take steps to prevent the spread of disease. This includes making sure the people are individually protected, too. That is why animal health personnel must understand and use proper personal protective equipment (PPE) when working on a known or suspected infected site. This exercise will cover some of the basic steps to donning and doffing PPE.

## **Standard Operating Procedure (SOP)**

1. Upon arrival at the premises, a Hot and Cold Zone should be established

### **Zones of Disinfection**



2. After a Hot and Cold Zone have been established, roles for team members are determined.

Designate roles for team members

- i. 2 Animal Health Professionals to enter the hot zone
  - ii. 2-3 assistants to assist with donning and doffing gear in the cold zone
3. Two team members will dress in the appropriate PPE for biosecurity.  
PPE consists of: disposable boots, Tyvek suit, hood/hair cover, goggles, respirator/mask and two layers of gloves; with all openings taped closed
  4. The team members entering the hot zone will also collect the necessary supplies to perform the task on the site in the Hot Zone.

### **PPE DONNING:**

1. Inspect Tyvek coveralls and respiratory equipment before donning
2. Put on coveralls
  - a. Assistants adjust coveralls to make sure movement is not restricted
  - b. Assistants close coveralls and tape closure with duct tape
3. Don face piece and adjust to be secure but comfortable.
4. Perform user seal check
  - a. Place both hands over mask. Breathe out forcefully. If you feel air, the mask/respirator doesn't fit properly; readjust the mask until there isn't a leak.
5. Select and put on appropriate eye protection (safety glasses, goggles, face shield)
6. If you have a hood – put on head carefully so as not to disrupt mask seal
7. Put on disposable boots and tie and tape to Tyvek pant legs
8. Put on inner gloves (inside Tyvek)
9. Put on outer gloves (type appropriate for hazard) – may be placed in/out side coverall sleeve.
10. Tape outer gloves to Tyvek coveralls
11. Check all closures

### **COMPLETE INVESTIGATIVE WORK OF EXAMINING ANIMALS INSIDE THE HOT ZONE**

#### **PPE DOFFING:**

1. Person A: Spray disinfectant on outer gloves, other people, bags, and equipment
2. Person A: remove all PPE
  1. Unzip and roll down coverall until it is inside out and then step out. Place coveralls in red biohazard bag
  2. Remove and dispose of outer gloves in biohazard bag
  3. Remove goggles, safety glasses or face shield by pulling up over head. Handle them by headband or ear pieces. Place in biohazard bag
  4. Remove respirator by grabbing to top and then the bottom elastic bands and up over head. Place in biohazard bag
  5. Remove inner gloves. Begin with one hand, rolling down the glove (with the other hand), starting at the wrist until glove is inside out. Hold the removed glove in your hand in a little ball, and then roll down the other glove – starting at the wrist – with your first hand. Place them in the biohazard bag
3. Person A: step into cold zone. Hold red biohazard bag for Person B.
4. Person B: repeat above steps.
5. Close biohazard bag by tying a knot at the top. Place biohazard bag at designated location so it can be collected and disposed of properly.
6. Wash hands and forearms with soap and water and/or use waterless hand sanitizer (with alcohol base).