

Wildlife Health Protocol – Donning and Doffing PPE 01.21.14

- I. Goal: Safely use Personal Protective Equipment (PPE) during wildlife health sampling and surveillance activities.
- II. Previous Training Required: If using respirators, Respirator Certification Training, medical clearance and Respirator Fit Testing by your regional Safety Office are required.
- III. Items you will need:
 - Disposable Tyvek® or other fluid-resistant coveralls
 - Rubber boots or boot covers
 - Latex or nitrile gloves
 - Safety goggles or glasses
 - Trash bags for contaminated waste
 - Bucket and scrub brush
 - Prepared disinfectant (Roccal-D Plus®, 10% bleach solution or other as appropriate)
 - Designated “dirty”, “clean” and “decontamination” areas

IV. Procedures

- A. Perform an assessment of the current surveillance or sampling situation, including species, season, clinical signs, or other information relevant to potential or suspected disease; history of disease in the area; and anticipated amount of exposure to potentially infectious materials relative to goal of sampling and/or surveillance activities.
 - *If uncertain of appropriate PPE relative to potential risk, contact the R6 Wildlife Health Office for additional guidance.
- B. Define “dirty” (highest risk), “clean” (lowest risk) and “decontamination” (intermediate risk for clean-up) areas as appropriate for the situation.
- C. Donning PPE – Before entering the designated “dirty” area
 1. Put on eye protection (glasses or goggles).
 2. Pull on coveralls (Figure 1), close the front with zipper and/or tape and inspect for any holes or tears in fabric.
 3. Pull on boot covers or rubber boots, being sure to pull the cuffs of coveralls OVER the boot covers (Figure 2) or rubber boots (Figure 3).



Figure 1: Don coveralls & inspect.



Figures 2 and 3: Coveralls properly pulled down over footwear.

4. Put on gloves with the coverall cuffs OVER the cuffs of the gloves (Figure 4).
5. If using double gloves, you may insert your thumb through the sleeve edge of the coveralls before putting the outer glove layer on to secure the coverall sleeve in position. You may then put the second glove layer over the coverall cuffs (Figure 5).



Figure 4: Coverall cuffs OVER single layer of gloves.



Figure 5: Second glove layer may go over coveralls.

D. Doffing PPE – Occurs in the “decontamination” area before re-entry to “clean” area

1. Unzip front of coveralls. Pull from shoulders, then carefully remove coveralls from torso and roll downward towards ankles (Figure 6)
2. If wearing boot covers, roll coveralls down over the outside of boot covers (Figure 7) and step out of and away, into the clean zone. Roll and dispose of coveralls and boot covers properly in plastic bags.



Figure 6: Rolling coveralls down.



Figure 7: Coveralls properly rolled down around outside of boot covers.

3. If wearing rubber boots, roll coveralls down over outside of boots to the top of the foot. Then step on the coveralls while pulling the alternate knee up, pulling legs up and out of coveralls one at a time. Roll up and dispose of coveralls. Scrub and disinfect all outer boot surfaces. Step out of boots, step into shoes in the clean zone.
4. Remove soiled gloves by first gripping the palm of one glove with fingers of the other, and pulling the glove off away from the hand firmly (Figure 8). Do NOT slide the thumb of one dirty glove underneath the cuff of the other.



Figure 8: Removing first glove properly, with no contact between outside of glove and bare skin.

5. Grip the first removed dirty glove in the palm of the remaining gloved hand.
6. Slide your clean bare thumb underneath the cuff of the opposite glove (Figure 9).
7. Pull the second glove over the hand, pulling inside out and over the first glove. The first glove should end up enclosed inside the inverted second glove (Figure 10).



Figures 9 and 10: Gripping first soiled glove in palm of second gloved hand, using thumb to pull glove inside out and over first soiled glove with no contact between skin and outside of either soiled glove.

8. Wash hands thoroughly with soap and water (or an alcohol-based gel disinfectant when soap and water are unavailable).
9. Remove eye protection.
10. After hands are dry, don a fresh pair of gloves and disinfect instruments, tools and disposal bags before removing from decontamination zone.
11. Remove gloves, wash and disinfect hands thoroughly a second time.

QUICK CHECKLIST:

- _____ Assess surveillance or sampling situation, including information and history relevant to potential disease risk for anticipated activities and level of potential exposure.
- _____ Define contamination zones, including “clean”, “dirty” and “decontamination
- _____ Don PPE in the following order:
 - _____ Eye protection
 - _____ Coveralls
 - _____ Boot covers or rubber boots
 - _____ Ensure coverall cuffs are over footwear
 - _____ Gloves, with no bare wrist exposed
- _____ Throughout surveillance or sampling activity, periodically check integrity of PPE and replace as necessary
- _____ Doff PPE in the following order:
 - _____ Coveralls
 - _____ Boot covers or disinfected rubber boots
 - _____ Gloves, ensuring no contact between contaminated outer glove surface and skin
 - _____ Wash hands
 - _____ Eye protection
- _____ Using a fresh pair of gloves, disinfect instruments, tools, and anything else leaving the area
- _____ Remove gloves and wash/disinfect hands thoroughly a second time