Cleaning and Disinfection: Equipment

**Equipment**

- Items for care, treatment, restraint, response activities
- Anything in contact with infected animals
- Clean and disinfect OR appraise and dispose

**Necropsy**
- Markers, cut-proof gloves, pencils or pens, cooler, clipboard, tweezers, hemostats
- Restraining tools
- Rope, snares, halters

**Clinical Supplies**
- Thermometer, stethoscope, blood collection equipment
- C&D Equipment
- Brushes, buckets, shovels, brooms

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

**Biosecurity Work Zones**

**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
Disinfectant Preparation

- Use according to product label
- Only EPA-registered or approved products
- Prepare fresh solutions
  - Old solutions may have reduced efficacy
- Test kits can help check concentration

Basic C&D Protocol

- Cleaning
  - Dry Cleaning
  - Washing
  - Rinse and dry
- Disinfection
  - Application
  - Contact Time
  - Rinse and dry
- Downtime

Wash and Rinse

- In Hot Zone
  - Dry brush to remove gross contamination
- Enter Decon Corridor
  - Wash items with detergent using soft brush, cloth, or sponge
  - Rinse with clean, warm water

Disinfect

- Apply EPA-registered disinfectant
  - Allow appropriate contact time
  - Must remain "wet"
- Rinse with clean, warm water
- Allow to air-dry or place in sunlight
- Place in clean plastic bag for removal

Electronics

- Best done by fumigation
  - Requires air-tight enclosure
- If item is sealed,
  - Disinfect by wiping or spraying
  - Ultraviolet light exposure
- Place in plastic bag before entry
  - Wipe bag and item with disinfectant upon exit
- Use waterproof cameras

Other Equipment

- Euthanizing Equipment
  - Captive bolt guns
- Biohazard Materials
  - Scalpels for necropsy
  - Needles
  - Autoclave containers
- C&D Equipment
  - Brooms, shovels, brushes
Safety

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

References

- https://fadprep.lmi.org
- USDA APHIS. FAD PReP NAHEMS

Acknowledgments

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