

# TEMPORARY CLEANING & DISINFECTION (C&D) STATION SUPPLY LIST

## GENERAL CONSIDERATIONS

- The location for constructing the temporary C&D station could be considerably far from sources of electricity (i.e., standard 3-prong, 120-volt receptacle) and water (5/8-inch diameter hose bibb).
- The C&D Station area (minimum) must accommodate the width of the largest piece of equipment plus room for people to work (estimated 8.5 feet wide and 70-80 feet long for semi-tractor and trailer).
- This supply list and checklist (last page) are based on no water or electricity nearby, an area of 14 feet x 90 feet, and items subject to local availability.

## GENERAL SUPPLIES

- ▶ Gas/diesel generator (if needed; 120 volt, 60 hertz)
  - Sized based on starting amps of plugged in pumps, motors, equipment
  - Four plugs minimum
  - Size for 1 sump pump and light: 2,500 watt
  - May need additional power for keeping liquids warm
- ▶ Fuel container with appropriate fuel
- ▶ Recommendations for properly sizing extension cords are as follows:
  - <50 feet = 14/3 (<15 amps); <100 feet = 12/3 (<15 amps); <150 feet = 10/3 (<15 amps); <200 feet = 10/3 (<10 amps)
- ▶ Outdoor work lights on tripod
- ▶ Outdoor canopy tent (10 x 10 feet; if needed, weather permitting)
- ▶ Signage – laminate and hang inexpensively. Print from Secure Food Supply Plan websites (<http://www.cfsph.iastate.edu/Secure-Food-Supply/index.php>: Select species, then select Producers, then Signs and Posters)
- ▶ Barrier(s)/gate(s) – could be as simple as posts and caution tape to as elaborate as fence posts with a gate that is lockable; costs variable pending farm supplies/resources

## PERSONAL PROTECTIVE EQUIPMENT (PPE)

- ▶ Rubber gloves (2 pairs for each person, each washing; extra pairs in case of damage)
- ▶ Waterproof outerwear covering street clothing, skin, head, neck (2 sets in various sizes)
- ▶ Safety glasses or goggles or face shield (2 pairs for each person)
- ▶ N-95 respirator (2 per person) fit testing required; more information at: <https://www.cdc.gov/niosh/npptl/hospresptoolkit/fittesting.html>
- ▶ Protective footwear (in sizes: \_\_\_\_\_) that remain at the C&D station
- ▶ Plastic storage container with lid to store PPE items near C&D station
- ▶ Garbage bags for disposal of any disposable PPE items and waste



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## CLEANING AND DISINFECTION

- ▶ Pressure washer
  - Pound per square inch range: >2,600 to <3,500 pounds per square inch; Flow: >2.5 gallons per minute
  - Equipped with high-pressure hose, wand and tips
  - Option A) Self-contained system: trailer, water tank, high-pressure pump, high-pressure hose reel
  - Option B) Portable pressure washer (requires water supply from building)
- ▶ Fuel container with appropriate fuel
- ▶ Medium-duty, 5/8-inch garden hose
- ▶ Disinfectant: EPA-registered for the disease agent of concern
- ▶ Plastic storage container with lid for storing disinfectant solution (option: 5-gallon bucket)
  - Hole in lid maybe needed for suction hose on pressure washer
- ▶ Backpack/handheld sprayer for disinfectant solution
- ▶ 24-inch wide push broom with telescoping handle
- ▶ Long-handled scrub brushes
- ▶ Cloth towels or paper towels for wiping off equipment
- ▶ Disinfecting wipes for equipment, cab interior (product dependent upon disease agent of concern)

## CONTAINMENT

- ▶ Dimensions for wash pad (minimum): 90 feet (length) by 14 feet (width)
  - Smaller sections can overlap to make larger containment area (place uphill material over downhill material, with minimum 6-inch overlap)
  - Material: non-permeable, strong (vehicles must drive on it, people walking, etc.)
  - Large heavy-duty tarps (20 feet by 30 feet)
- ▶ Berm: Minimum 4 inch raised edge along the perimeter
  - Vehicles will drive over the ends; must be robust.
  - Required linear distance of berm (feet) = 2 × length (feet) + 2 × width (feet)
    - One example 90 feet x 14 feet = 208 linear feet
    - Options that should not be driven over on ends:
      - » Drain tile (inexpensive, temperature dependent on pliability, easy to disinfect when done)
      - » PVC pipe (lightweight, easy to move, easy to disinfect when done)
    - Options that can be driven over:
      - » 4 by 4 inch lumber,
      - » 4 inch diameter pool noodle (subject to seasonal availability),
      - » Pushed gravel, curbs, etc.
  - Roll edges of tarp around berm material to create a “pool” or place stakes through grommets to secure

## RECLAMATION OF WASTE WATER

- ▶ Submersible sump pump with bottom intake and discharge hose (no float)
  - Sump pump: 1/3 horsepower (running: 750 watts, 6.5 amps; starting 1,700 watts)
  - Ideally with 5/8-inch garden hose threaded male outlet (otherwise, additional fitting needed)
- ▶ Sump pump intake screen
  - Options: 5-gallon bucket with holes drilled in sides, bottom; skimmer basket (strainer, colander, etc.)
- ▶ Extension cord (3-prong)
- ▶ Medium-duty, 5/8-inch garden hose
- ▶ Reclamation water storage container (sealable)
  - Options: 32-gallon plastic, wheeled trash can with lid, 55-gallon drum, 125-gallon leg tank, 50-gallon stock tank
  - Spigot to drain reclaimed water container
  - 3/4-inch hose bibb, 3/4-inch washer, #11 rubber O-ring, flex seal (silicone caulk), 3/4-inch nut, Teflon tape
- ▶ Dolly (if needed, to move reclaimed water container)

# C&D STATION SUPPLY CHECKLIST

√	#	Item	Notes
		Gas/diesel generator	
		Pressure washer	
		Fuel container with appropriate fuel for generator, pressure washer	
		Extension cords	
		Outdoor work lights on tripod	
		Outdoor canopy tent	
		Signage – printed from Secure Food Supply Plan websites	
		Barrier(s)/gate(s)	
		Rubber gloves (2 pairs for each person plus extras)	
		Waterproof outerwear covering street clothing, skin, head, neck (2 sets in various sizes)	
		Safety glasses or goggles or face shield (2 pairs)	
		N-95 respirator (2 per person)	
		Protective footwear (in sizes: _____)	
		Plastic storage container with lid	
		Garbage bags	
		Medium-duty, 5/8-inch garden hose	
		Disinfectant product name: _____	
		Plastic storage container with lid for storing disinfectant solution	
		Backpack/handheld sprayer	
		24-inch wide push broom with telescoping handle	
		Long-handled scrub brushes	
		Cloth towels or paper towels for wiping off equipment	
		Disinfecting wipes for equipment, cab interior	
		Large heavy-duty tarps (minimum area 14 feet x 90 feet)	
		Berm materials: Drain tile, PVC pipe, 4 by 4 inch lumber, pool noodles. Length of each: _____	
		Submersible sump pump with bottom intake and discharge hose	
		Sump pump intake screen	
		Medium-duty, 5/8-inch garden hose	
		Reclamation water storage container (sealable)	
		Spigot to drain reclaimed water container	
		¾-inch hose bibb, ¾-inch washer, #11 rubber O-ring, flex seal (silicone caulk), ¾-inch nut, Teflon tape	
		Dolly (if needed, to move reclaimed water container)	