

# SPEEDS<sup>®</sup>

Special Purpose Expedient Decontamination System



6 S Model

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**CBRN** T A C T I C A L  
COUNTERMEASURES

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**Decon Media:: Decon7**

**Protocol: Cut out**

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**PPE: One piece**

**Decon Media:: Decon7**

### **18. Contamination Control Area Close out Protocol - BIO/RAD AGENT**

**Decon Media: Decon7**

**Protocol: Cut out**

# SPEEDS® SYSTEM NOTES

The SPEEDS® Special Event Expedient Personnel Decontamination System is a tactical, self contained, independent and fully validated wet decontamination process (biological and radiological agents) and dry decontamination process (chemical agents) field personnel decontamination system.

- Highly portable, the SPEEDS® system permits rapid personnel decontamination through a series of validated contamination control and personal protective equipment removal protocols. The SPEEDS® system is designed specifically to support continuity of operations a CBRN environment.

- The system requires a 5 Gallon Water Source for the Biological Decontamination Procedure (not included).

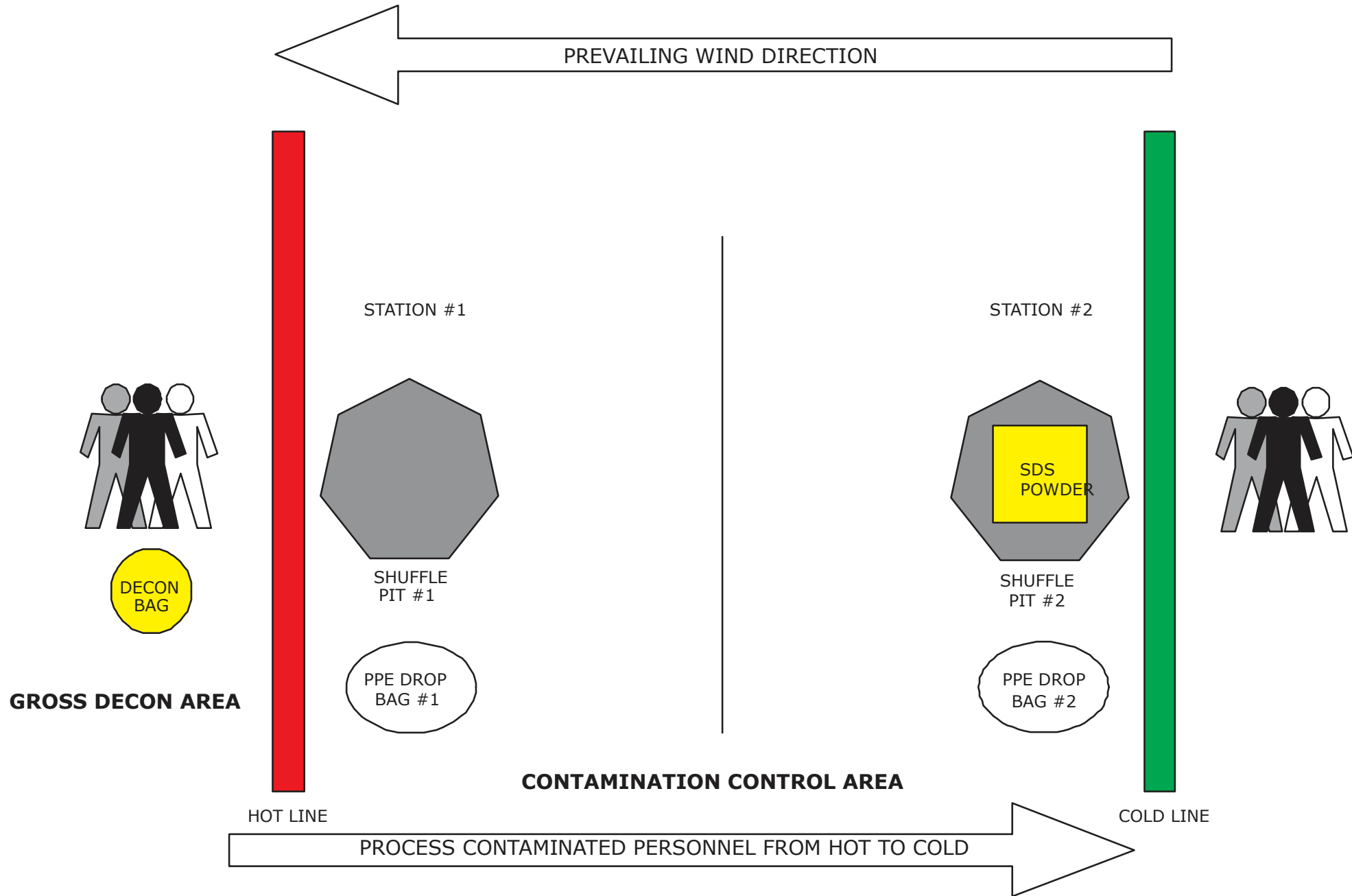
- SPEEDS® is the only validated CBRN tactical decontamination system available on the market, and is currently deployed worldwide with DoD, OGA, State and Local, and in Corporate security forces.

- For chemical agent decontamination SPEEDS® utilizes Sorbant Decontamination System (SDS) as the decontamination media combined with validated comprehensive personal protective equipment cut-out procedures to provide a safe, effective and expedient means to decontaminate personnel in a tactical environment.

- For biological, radiological and nuclear agent decontamination SPEEDS® utilizes Decon7 as the decontamination media combined with personal equipment cut-out and un-dress procedures to provide a safe, effective and to decontaminate personnel in a tactical environment.

- The SPEEDS® system is designed for 1 time use, and is packaged and delivered in an operational-ready state.

# CHEMICAL AGENT CONTAMINATION CONTROL AREA SET UP INSTRUCTIONS



# CONTAMINATION CONTROL AREA SET UP INSTRUCTIONS - CHEMICAL AGENT

- STEP 1. Determine PREVAILING WIND DIRECTION and establish HOT LINE (HL)
- STEP 2. Determine CONTAMINATION CONTROL AREA (CCA) and un-pack SPEEDS kit.
- STEP 3.
- Place RED CHEMLIGHT STRAP to designate HOT LINE (HL)
  - Place GREEN CHEMLIGHT STRAP to designate COLD LINE (CL)
- STEP 4.
- Place SHUFFLE PIT #1
  - Place YELLOW DECON MEDIA BAG across to the (HL)
  - Place PPE DROP BAG #1
- STEP 5.
- Place PPE DROP BAG #2
  - Place SHUFFLE PIT #2
  - Place SDS POWDER in SHUFFLE PIT #2
- Prepare and dispense DECONTAMINATION SOLUTION as follows:
- STEP 6.
- Empty 1 bag of SDS POWDER into each TOOL POUCH to be used
  - Empty 1 bag of SDS POWDER into SHUFFLE PIT #1
- STEP 7. Don TOOL POUCH

# DECONTAMINATION PROTOCOL - PERSONNEL

**AGENT:** CHEMICAL

**PPE:** Two piece JSLIST type suit

**DECON-MEDIA:** ACTIVATED CARBON MITT | SDS

**PROTOCOL:** Cut-out procedure

1. Deconee's conduct full body (head to toe) Buddy-Decon using the Activated Carbon Mitts located in the YELLOW DECON-MEDIA BAG.
2. When instructed by the HOT LINE DIRECTOR, the Deconee will cross the (HL) and step into SHUFFLE PIT in Station #1 area.
3. Deconee will shuffle their feet to ensure adequate coverage with SDS POWDER.
4. Station #1 Operator will cut hood shoulder straps and loosen neck cord, place hood straps into PPE DROP BAG #1. Station #1 Operator decons hands and tools.
5. Station #1 Operator will roll hood from rear bottom and gather hood into neck cord area, secure hood roll by tightening neck cord. Station #1 Operator decons hands and tools.
6. Station #1 Operator will cut excess neck cord and place in PPE DROP BAG #1. Station #1 Operator decons hands and tools.
7. Station #1 Operator directs Deconee to step forward into Station #2 area.
8. Station #1 Operator will cut the first wrist closure strap. Station #1 Operator decons hands and tools.
9. Station #1 Operator will cut the second wrist closure strap. Station #1 Operator decons hands and tools.
10. Station #1 Operator will cut the first ankle closure strap. Station #1 Operator decons hands and tools.
11. Station #1 Operator will cut the second ankle closure strap. Station #1 Operator decons hands and tools.
12. Station #1 Operator will cut from the top center of the upper garment down the back side. Station #1 Operator decons hands and tools.
13. Deconee extends both arms outward while Station #1 Operator removes upper garment by pulling down the arms, folding the upper garment into itself. Station #1 Operator places upper garment into PPE DROP BAG #1. Station #1 Operator decons hands and tools.
14. Station #1 Operator will direct Deconee to step out of SHUFFLE PIT #1.

## DECONTAMINATION PROTOCOL - PERSONNEL (cont'd)

15. Station #1 Operator directs Deconee to step forward into Station #2 area.
16. Station #2 Operator will cut down outer side of the first leg of the lower garment. Station #2 Operator decons hands and tools.
17. Station #2 Operator will cut down outer side of the second leg of the lower garment. Station #2 Operator decons hands and tools.
18. Station #2 Operator grasps suspender straps and cuts above the cross, instructing the Deconee to "step-forward" and out of the lower garment. Station #2 Operator folds lower garment into itself and places in PPE DROP BAG #2. Station #2 Operator decons hands and tools.
19. Station #2 Operator cuts boot closures and back of boot as required. Station #2 Operator instruct Deconee to "step forward" out of each boot. Station #2 Operator places his hands inside each boot and places boots in PPE DROP BAG #2. Station #2 Operator decons hands and tools.
20. Station #2 Operator strips off outer and inner socks as Deconee steps into SHUFFLE PIT #2, placing both feet onto the SDS POWDER. Station #2 Operator places socks into PPE DROP BAG #3. Station #2 Operator decons hands and tools. Station #2 Operator directs Deconee to perform a glove removal procedure.
21. Station #2 Operator directs Deconee to perform mask drop procedure into PPE DROP BAG #4. Deconee steps over the (CL) and moves into the medical redress area.



# DECONTAMINATION PROTOCOL - PERSONNEL

**AGENT:** CHEMICAL One piece suit (with attached hood)

**DECON-MEDIA:** ACTIVATED CARBON MITT | SDS

**PROTOCOL:** Cut-out procedure

1. Deconee's conduct full body (head to toe) Buddy-Decon using the Activated Carbon Mitt located in the YELLOW DECON-MEDIA BAG
2. When instructed by the HOT LINE DIRECTOR, the Deconee will cross the (HL) and step into SHUFFLE PIT #1 in Station #1 area.
3. Deconee will shuffle their feet to ensure adequate coverage with SDS POWDER.
4. Station #1 Operator will direct Deconee to step out of SHUFFLE PIT #1.
5. Station #1 Operator cuts the first wrist closure strap. Station #1 Operator decons hands and tools.
6. Station #1 Operator cuts the second wrist closure strap. Station #1 Operator decons hands and tools.
7. Station #1 Operator cuts the first ankle closure strap. Station #1 Operator decons hands and tools.
8. Station #1 Operator cuts the second ankle closure strap. Station #1 Operator decons hands and tools.
9. Station #1 Operator will cut down the front of the first boot, cutting the laces. Station #1 Operator decons hands and tools.
10. Station #1 Operator will cut down the front of the second boot, cutting the laces. Station #1 Operator decons hands and tools.
11. Station #1 Operator steps on the back of the first boot and the Deconee will step forward and out of the first boot. Repeat the procedure for the second boot. Stations #1 Operator picks up the boots from the inside and discards into PPE DROP BAG #1. Station #1 Operator decons hands and tools.
12. Station #1 Operator directs Deconee to step forward into Station #2 area.
13. Station #2 Operator cuts down the side of the hood to the back of the neck of the PPE suit Station #2 Operator decons hands and tools. Station #2 Operator cut down the back from the neck to as far down one leg as possible. Station #2 Operator decons hands and tools.

14. Deconee extends both arms forward and slightly bends at the waist while Station #2 Operator removes the PPE by grabbing at the shoulders (ensure that you grab the suspenders) and pulling downward off of the arms, folding the garment into itself, pulling it all the way down until the garment is around the Deconees feet, have Deconee step out of the attached booties. Station #2 Operator places PPE into PPE DROP BAG #2. Station #2 Operator decons hands and tools. Station #2 Operator decons hands and tools.
15. Station #2 Operator strips off outer and inner socks as Deconee steps into SHUFFLE PIT #2, placing both feet onto the SDS POWDER.
16. Station #2 Operator places socks into PPE DROP BAG #2. Station #2 Operator decons hands and tools.
17. Station #2 Operator directs Deconee to perform a glove removal procedure for inner gloves.
18. Station #2 Operator directs Deconee to perform mask drop procedure into PPE DROP BAG #2. Deconee steps over the (CL) and moves into the medical redress area.

# DECONTAMINATION PROTOCOL – CONTAMINATION CONTROL AREA CLOSE-OUT

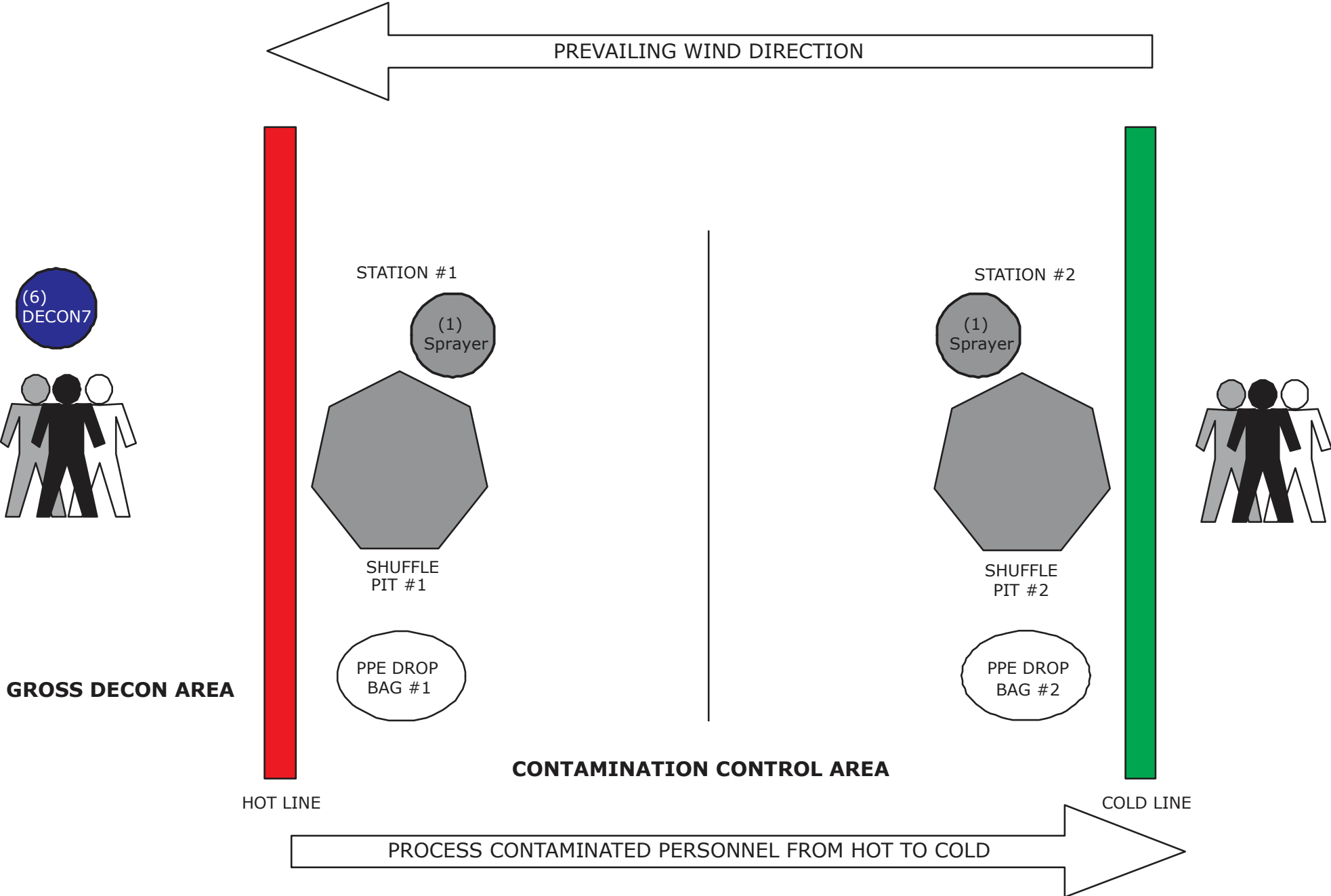
**AGENT:** CHEMICAL

**DECON-MEDIA:** ACTIVATED CARBON MITT | SDS

**PROTOCOL:** Station 'Close-out'

- STEP 1.
- Station #1 Operator will discard his decon pouch into PPE DROP BIN #1 and move to Station #2;
  - Station #2 Operator will perform Station #1 and Station #2 protocols.
  - Station #1 Operator will perform (Glove removal as required) and a mask drop procedure into PPE DROP BIN #2 and step over the (CL) and move into the medical redress area.
- STEP 2.
- Station #2 Operator will give the Hot Line Supervisor his decon pouch.
  - Station #2 Operator will collect the "Hot and Cold Lines" and place in PPE DROP BIN #2.
- STEP 3.
- The Hot Line Supervisor will perform will perform Station #1, Station #2 protocols.
  - Station #2 Operator will perform (Glove removal as required) and a mask drop procedure into PPE DROP BIN #2 and step over the (CL) and move into the medical redress area.
  - Hot Line Supervisor will discard his decon pouch into PPE DROP BAG #2, close and move to the back of the Contamination Control area.
  - The Hot Line Supervisor will perform a standard PPE self undress and perform (Glove removal as required) and a mask drop procedure into PPE DROP BIN #2 and step over the (CL) and move into the medical redress area.

# BIO | RAD AGENT CONTAMINATION CONTROL AREA SET UP INSTRUCTIONS



# DECONTAMINATION PROTOCOL - PERSONNEL

**AGENT:** BIO | RAD

**DECON-MEDIA1: Decon7 and HTH**

## CONTAMINATION CONTROL AREA SET UP INSTRUCTIONS - BIO | RAD AGENT

- STEP 1. Determine PREVAILING WIND DIRECTION and establish HOT LINE (HL)
- STEP 2. Determine CONTAMINATION CONTROL AREA (CCA) and un-pack SPEEDS kit.
- Place RED CHEMLIGHT STRAP to designate HOT LINE (HL)
  - Place GREEN CHEMLIGHT STRAP to designate COLD LINE (CL)
- STEP 3. Set up components of "CONTAMINATION CONTROL AREA" (CCA) as follows:
- Place SHUFFLE PIT #1
  - Place PPE DROP BAG #1 and #2
  - Place SHUFFLE PIT #2
  - Place (6) Decon7 Sprays on Hot Side of Hot (Red) Line for personnel decon.
  - Place (1) Pump Sprayer next to each Shuffle Pit for Tool Decon
  - Place (1) Tool Pouch by each Shuffle Pit #1 and #2
  - Operator to fill each Pump Sprayer with 2.5 Gallons of Water and mix with pre-measured portion of HTH (repeat as necessary up to 2x per Station)
- STEP 4. DON Tool Belt

# DECONTAMINATION PROTOCOL - PERSONNEL

1. Deconee's conduct full body (head to toe) Buddy-Spray using the Decon7. Spray for ~12 seconds or until canisters are empty.
2. When instructed by the HOT LINE DIRECTOR, the Deconee will cross the (HL) and step into SHUFFLE PIT #1 in Station #1 area.
3. Station #1 Operator Sprays deconee's feet with HTH mixture in Sprayer.
4. Station #1 Operator directs Deconee to step out of SHUFFLE PIT #1.
5. Station #1 Operator will cut hood straps and loosen neck cord, place hood straps into PPE DROP BAG #1. Station #1 Operator decons hands and tools with HTH.
6. Station #1 Operator will roll hood from rear bottom and gather hood into neck cord area, secure hood roll by tightening neck cord. Station #1 operator decons hands and tools with HTH.
7. Station #1 Operator cuts excess neck cord and places in PPE DROP BAG #1. Station #1 operator decons hands and tools with HTH
8. Station #1 Operator cuts the first wrist closure strap. Station #1 Operator decons hands and tools with HTH.
9. Station #1 Operator cuts the second wrist closure strap. Station #1 Operator decons hands and tools with HTH
10. Station #1 Operator cuts the first ankle closure strap. Station #1 Operator decons hands and tools with HTH.
11. Station #1 Operator will cut Deconee's hood string and waist straps, remove and place in PPE DROP BAG #1. Station #1 Operator decons hands and tools with HTH.
12. Station #1 Operator cuts Deconee's hood starting from the side of the head at the temple, cutting back to the nape of the neck and folding the cut hood downward across the shoulders. Station #1 Operator decons hands and tools with HTH.
13. Station #1 Operator will cut from the top center of the upper garment down the backside. Station #1 Operator decons hands and tools with HTH.
14. Deconee extends both arms outward while Station #1 Operator removes upper garment by pulling down the arms, folding the upper garment into itself. Station #1 Operator places upper garment into PPE DROP BAG #1. Station #1 Operator decons hands and tools with HTH
15. Station #1 Operator directs Deconee to step forward into Station #2 area.
16. Station #2 Operator will cut down outer side of the first leg of the lower garment. Station #2 Operator decons hands and tools in HTH

## DECONTAMINATION PROTOCOL - PERSONNEL (cont'd)

17. Station #2 Operator cuts boot closures and back of boot as required. Station #2 Operator instructs Deconee to “step forward’ out of each boot. Station #2 Operator places his hands inside each boot and places boots in PPE DROP BAG #2. Station #3 Operator decons hands and tools with HTH.

18. Station #2 Operator strips off outer and inner socks as Deconee steps into SHUFFLE PIT #2. Station #2 Operator places socks into PPE DROP BAG #2. Station #2 Operator decons hands and tools with HTH

19. Station #2 Operator directs Deconee to perform a glove removal procedure

20. Station #2 Operator directs Deconee to perform mask drop procedure into PPE DROP BAG #2. Deconee steps over the (CL) and moves into the medical redress area.

# DECONTAMINATION PROTOCOL - PERSONNEL

**PPE:** One piece suit (with hood attached)  
**PROTOCOL:** Cut-out procedure w/ Decon7 and HTH

1. Deconee's conduct full body (head to toe) Buddy-Wash using the Decon7 Spray located on Hot Side of Hot (Red) line. Spray for ~12 Seconds or until canisters are empty.
2. When instructed by the HOT LINE DIRECTOR, the Deconee will cross the (HL) and step into SHUFFLE PIT #1 in Station #1 area.
3. Station #1 Operator will spray Deconee's feet with HTH Mixture in pump Sprayer.
4. Station #1 Operator directs Deconee to step out of SHUFFLE PIT #1.
5. Station #1 Operator cuts the first wrist closure strap. Station #1 Operator decons hands and tools w/ HTH
6. Station #1 Operator cuts the second wrist closure strap. Station #1 Operator decons hands and tools w/ HTH
7. Station #2 Operator directs Deconee to perform a glove removal procedure
8. Station #2 Operator directs Deconee to perform mask drop procedure into PPE DROP BAG #2. Deconee steps over the (CL) and moves into the medical redress area.
9. Station #1 Operator steps on the back of the first boot and the Deconee will step forward out of the first boot.
10. Repeat the procedure for the second boot.
11. Station #2 Operator will pick up the boots from the inside and place boots into DROP BAG #1.
12. Station #1 Operator decons hands and tools
13. Station #1 Operator directs Deconee to step forward into Station #2 area.
14. Station #2 Operator cuts down the side of the hood to the back of the neck . Station #2 operator decons hands and tools
15. Station #2 operator cuts down the back of the neck to as far down one leg as possible. Station #2 operator decons hands and tools.



## DECONTAMINATION PROTOCOL - PERSONNEL (cont'd)

16. Station #2 Operator cuts from buttocks area down the other leg. Station #2 Operator decons hands and tools

17. Deconee extends both arms forward and slightly bends at the waist while Station 2 Operator removes the PPE by grabbing at the shoulders (ensure that you grab the suspenders) and pulling garment into itself. Station #2 Operator places PPE into PPE DROP BAG #2 (NOTE: If outer gloves were not removed with PPE, gloves and places them in PPE DROP BAG #2). Station #2 Operator decons hands and tools

18. Station #2 Operator directs Deconee to perform a glove removal procedure for inner gloves.

19. Station #2 Operator directs Deconee to perform mask drop procedure into PPE DROP BAG #2.

20. Deconee steps over the (CL) and moves into the medical redress area.

# DECONTAMINATION PROTOCOL - CONTAMINATION CONTROL STATION CLOSE OUT

**AGENT:** BIO | RAD  
**DECON-MEDIA:** Decon7  
**PROTOCOL:** Station close-out

- STEP 1.
- Station #1 Operator will discard his decon pouch into PPE DROP BIN #1 and move to Station #2;
  - Station #2 Operator will perform Station #1 and Station #2 protocols.
  - Station #1 Operator will perform (Glove removal as required) and a mask drop procedure into PPE DROP BIN #2 and step over the (CL) and move into the medical redress area.
- STEP 2.
- Station #2 Operator will give the Hot Line Supervisor his decon pouch.
  - Station #2 Operator will collect the "Hot and Cold Lines" and place in PPE DROP BIN #2.
  - The Hot Line Supervisor will perform will perform Station #1, Station #2 protocols.
  - Station #2 Operator will perform (Glove removal as required) and a mask drop procedure into PPE DROP BIN #2 and step over the (CL) and move into the medical redress area.
- STEP 3.
- Hot Line Supervisor will discard his decon pouch into PPE DROP BAG #2, close and move to the back of the Contamination Control area.
  - The Hot Line Supervisor will perform a standard PPE self undress and perform (Glove removal as required) and a mask drop procedure into PPE DROP BIN #2 and step over the (CL) and move into the medical redress area.