



Skill / Task: **Technical DECON Corridor Set-up**

Location: **Hartford County Fire Station**

CFA Recruit HAZMAT Technical DECON Equipment:

All Equipment used must be inspected and returned to its proper storage location

Hydrant Gate	2 – DECON Shower Hoop
3 – 50' Length 2 ½ Hose	3 – DECON Containment Pools
2 – 50' Length of 1 ¾ Hose	1 –DQE
1 – 2 ½ x 1 ½ Gated Wye	2 – Disposable Folding
1 – 100 gpm 1 ½ Nozzle	5 – Elevation Stands for Pools
1 – 30' x 50' Tarp	5 – Garbage Type Containers
6 – 5 gal. Buckets	1 – HAZMAT Liquid Waste Drum
4 – DECON Detergent buckets	1 – Zero Clearance Sump Pump with Hose
2 3– Glove Waste Buckets	Extension Cord for Sump Pump
1 – DECON Manifold	6 – HAZMAT Benches (Painter Benches)
4 – DECON Hoses (Green)	HAZMAT Placard/Signage
3 – Water Wands	24 - Traffic Safety Cones
4 – DECON Brushes (Short Handled)	1 Roll Each - Yellow and Red Barrier Tape
4 – DECON Brushes (Truck Brushes)	Generator for Sump Pumps
2 – DECON Showers	(when Remote)
1 - DQE	

Minimum required Recruit PPE: P.T. Clothing or SFFPC, Safety Glasses & Work Gloves

Training Sequence:

Explain, Set-up and Demonstrate a Technical DECON Corridor (with Group)

Set up as described below

Break down Technical DECON Corridor

Technical DECON Set-up Squad Assignments:

1 – DECON Control Leader

4 – DECON Line Personnel (4 Training / 2 minimum for Operations)

Set-Up Technical DECON Corridor (with Squad)

Conduct Technical DECON

In accordance with CFA Recruit Firefighter Program Technical DECON Procedures

Include:

Skill Station 2: Level A Donning/Doffing

Skill Station 3: Level-B Donning/Doffing

Skill Station 4: Donning/ Doffing Assistants

DECON Set up PPE: P.T. Clothing or SFFPC, Safety Glasses & Work Gloves

Break down Technical DECON Corridor

Rotate Squads to next skill station

Repeat Technical DECON Corridor Set up Skill Station



CFPC Skill Sheet Reference:

Decontamination Corridor – Water Supply and Related Equipment

- ✓ Sets up large containment area
 - ✓ Identifies the level of protective clothing required for Decontamination
 - ✓ Identifies the clean side and dirty side of the contamination area
 - ✓ Marks off area with barrier tape and traffic cones (lighting for night operations)
 - ✓ Locates water supply close to Decontamination corridor
 - ✓ *Sets up water supply or hydrant with proper hoses and equipment
 - ✓ Attaches the hose or valve to water supply or hydrant outlet
 - ✓ *Opens water slowly to avoid pressure surge
 - ✓ Sets up Decontamination equipment (nozzles, wands, manifolds, ect.)
 - ✓ Reviews Decontamination procedures with all personnel
 - ✓ Decontaminates all entry personnel
 - ✓ Processes personnel through medical evaluation upon completion of assigned Decontamination duties
- Complies with NFPA 472: 6.4.4.2., 6.4.4.2(1) CFPC: Skill Sheet 6.4.4.2D

Construct a Water Catch-All

- ✓ *Opens the salvage cover
 - ✓ Lays the cover flat at the desired location
 - ✓ Folds four sides inward at 90 degree angles
 - ✓ *Rolls edge to form curb and flap
 - ✓ Lifts the edge roll
 - ✓ Tucks the end roll to lock the corners
 - ✓ *Rolls the other end in a like manner
 - ✓ Locks the corners
- Complies with NFPA 472: 6.4.4.2.2(1) CFPC: Skill Sheet 6.4

Decontamination Corridor – Equipment Set-up

- ✓ Sets up large containment area
 - ✓ Identifies the level of protective clothing required for Decontamination
 - ✓ Establishes Decontamination corridor within the warm zone
 - ✓ Identifies the number of stations in the Decontamination corridor
 - ✓ * Identifies the clean side and dirty side of the contamination area
 - ✓ Identifies the type of Decontamination – wet or dry
 - ✓ Marks off area with barrier tape and traffic cones (lighting for night operations)
 - ✓ Sets tool drop station at start of Decontamination line
 - ✓ Reviews Decontamination operations and other needed equipment with all personnel
- Complies with NFPA 472: 6.4.4.2., 6.4.4.2(1) CFPC: Skill Sheet 6.4.4.2B

Decontamination Corridor – Wash and Rinse

- ✓ Sets up large containment area
 - ✓ Identifies the level of protective clothing required for Decontamination
 - ✓ Identifies the clean side and dirty side of the contamination area
 - ✓ Sets up glove drop and boot wash stations
 - ✓ *Sets up Decontamination pools and selects the correct wash solution
 - ✓ Sets up other Decontamination equipment (brushes, wash buckets, walkers, ect.)
 - ✓ Sets up doffing area for removal of chemical protective clothing and/or structural firefighting equipment
 - ✓ Sets up disposal area for contaminated materials and CPC
 - ✓ Decontaminates all entry personnel
- Complies with NFPA 472: 6.4.4.2., 6.4.4.2(1) CFPC: Skill Sheet 6.4.4.2C



Technical DECON Catch All Set-up

Explain:

- The Technical DECON Corridor should be planned and established by the Incident Commander or an appropriate designee
 - Located usually at the edge of the HOT Zone
 - Always Uphill and Upwind for incident
- A Technical DECON Corridor setup can be for a single station DECON up to a 4 pool DECON line.
 - Different pool sizes are available in Regional Hazardous Material Response Team's equipment cache.
 - The type and size of the DECON Corridor will be dictated by the HAZMAT Research Officer and the DECON Officer.
- *** Be sure to secure a water supply as soon as possible***
 - Water Supply location may affect where the DECON Corridor may be set-up
- Explain the set up a Water Catch-All
 - As demonstrated during the Loss Control Lesson
 - This Catch-All will probably used in the Certification Skill Evaluation





CFA Recruit HAZMAT Technical DECON Corridor Catch-ALL Equipment:

- | | | |
|--------------------------|-----------------------------|------------------------|
| 1 – 30' x 50' Tarp | 1 – Hydrant Wrench | 1 – 2 ½ to 1 ½ Reducer |
| 1 – Yellow Salvage Cover | 3 – 50' Lengths of 2 ½ Hose | 1 – 100 gpm 1 ½ Nozzle |
| 2 – Red Salvage Covers | 2 – 50' Lengths of 1 ¾ Hose | 1 – DECON Manifold |
| 1 – Hydrant Gate | 1 – 2 ½ x 2 ½ Gated Wye | |

- Layout a Large Blue Tarp
 - Fold into a Catch-All with folded corners
 - Use a Yellow Tarp to designate the CPC Doffing Area
 - Use a Red Tarp to designate the Hot Zone outside of the DECON Corridor
 - Designate the Clean & Dirty side of the Corridor

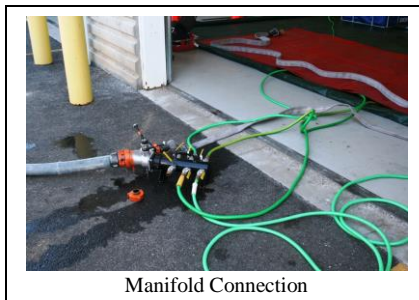


Construction of DECON Corridor Catch-all



Doffing Area

- Secure an appropriate Water Supply
 - Connect Hydrant Gate to supply hydrant (where applicable)
 - Connect 2 ½ Hose to Water Supply
 - Stretch appropriate lengths of 2 ½ Corridor
 - Connect DECON Manifold to 2 ½ Supply Hose
 - Connect 1 ¾ Hose to each 1 ½ Discharge of Gated Wye
 - Used for Emergency DECON
 - Must reach from Manifold to Hot Zone



Manifold Connection



Emergency DECON Hose Line



Technical DECON Corridor Pool Set-up

CFA Recruit HAZMAT Technical DECON Pool / Cleaning Equipment:

4 – ¾” 1 – 1” DECON Hoses (Green)	1 – DECON Showers Stand
2 – Water Wands	1 – DECON Showers Hoop
2 – Long Handle DECON Brushes	3 – DECON Containment Pools
2 – Short Handle DECON Brushes	3 – Elevation Stands for Pools
2 – Sponges	DECON Solution
3 – Broom handles (no head)	Cones & Placards/Signage

Explain:

- The assembly of different number of possible cleaning stations and equipment needed for the Technical DECON Line:
- When using Wands at Cleaning Stations
 - Single pool Technical DECON line
 - 1 – White 5 gal. Bucket
 - 1 – Water Wand
 - 1 – Long handle brush
 - 1 – Short handle brush
 - 1 – Sponge
 - 1 – Broom handle (with no brush head on it)
 - Multiple pool (2, 3 or 4 pools) Technical DECON line
 - Each of the pools will get the following equipment
 - 1 – White 5 gal. Bucket
 - 1 – Water Wand
 - 2 – Long handle brush
 - 2 – Short handle brush
 - 2 – Sponge
 - 1 – Broom handle (with no brush head on it)
- Manifold Water Supply
 - Each pool will get the following hose lines that will be run from the manifold
 - Single pool DECON line
 - 1 hose line to feed water wand
 - 1 hose line for shower **IF** used
 - Multiple pool (2,3 or 4 pools) DECON line
 - Each pool after that will get 1 hose line to feed the water wand



Technical DECON Corridor Pool Set-up

- **Unfold 3 Pools and Place on tarp**
 - Place pools 3 – 4 feet apart
 - Place absorbent pads between pools to soak up run off and give traction on tarp surface

- **Gross DECON Pool**

Equipment:

- 1 – Pool
- 1 – White Shower
- 1 – Elevation Stand for Pool
- 1 – ¾” – 1” DECON Hoses (Green)
- 1 – Broom Handle
- 1 – Cone
- 1 – Gross DECON Placard/Sign
- Set-up DECON Standing Shower
- Connect Green Water Supply Hose
- At entry nearest HOT Zone

- **Wash DECON Pool**

Equipment:

- 1 – Pool
- 1 – DQE Shower
- 1 – Elevation Stand for Pool
- 1 – ¾” – 1” DECON Hoses (Green)
- 2 – Long Handle DECON Brushes
- 2 – Short Handle DECON Brushes
- 2 – Sponges
- 1 – Broom handle (no head)
- DECON Solution
- 1 – Cone
- 1 – Wash DECON Placard/Sign
- Set-up DQE DECON Hoop Shower
- Connect Green Water Supply Hose
- Second Pool in Corridor

Wand Wash and/or Option

Equipment:

- 2 – Water Wands
- 2 – ¾” – 1” DECON Hoses (Green)
- Connect Green Water Supply Hose to Shower or Wands

- **Rinse DECON Pool**

Equipment:

- 1 – Pool
- 1 – Hoop Shower
- 1 – Elevation Stand for Pool
- 1 – ¾” – 1” DECON Hoses (Green)

- 1 – Broom handle (no head)
- 1 – Cone
- 1 – Wash DECON Placard/Sign
- Set-up DQE DECON Hoop Shower
- Connect Yellow Water Supply Hose
- Second Pool in Corridor

Wand Rinse and/or Option

Equipment:

- 2 – Water Wands
- 2 – ¾” – 1” DECON Hoses (Green)
- Connect Green Water Supply Hose to Shower or Wands



- **All Pools Require Sump Pump for Waste Water**

- 1 – Small Disposable Sump Pump
- 1 – ¾” Waste Water Hose (Red)
- Extension Cords for Pump Power
- Waste Water Recovery Drums





Technical DECON Corridor Set-up

- Assemble the remaining equipment of the Technical DECON Corridor

- Tool Drop Area

Equipment:

- 1 – 8 x 8 Yellow Tarp
- 1 – Garbage Can (no liner)
- 1 – Cone
- 1 – Tool Drop Placard/Sign
- 2 – HAZMAT SKEDs



- Set up Tarp and Can in HOT Zone outside Entry Point for Technical DECON Corridor

- SCBA Hot Change Area

Equipment:

- 4 – 45-60 Minute SCBA Bottles
- 1 – Cone
- 1 – SCBA HOT Change Placard/Sign

- Set Bottles in Clean Side of Technical DECON Corridor

- Dirty HAZMAT Corridor Side Area

Equipment:

- 2 – Garbage Cans (with liners)
- 1 – Cone
- 1 – SCBA HOT Change Placard/Sign
- 1 – Zero Clearance Sump Pump
- 1 – 2 – Salvage Drum(s)

- Set Cans in Dirty Side of Technical DECON Corridor
 - One Can will be used for Dirty Gloves, Boots or other Reusable Items removed during the Wash / Rinse
 - One Can will be used for Disposable CPC Items
- Set Salvage Drum in Dirty Side of Technical DECON Corridor
 - Drum will be used for draining Dirty Water from Pools

- Suit Doffing Area

Equipment:

- 6 – HAZMAT Benches
- 2 – Garbage Cans (with liners)
- 1 – SCBA HOT Change Placard/Sign

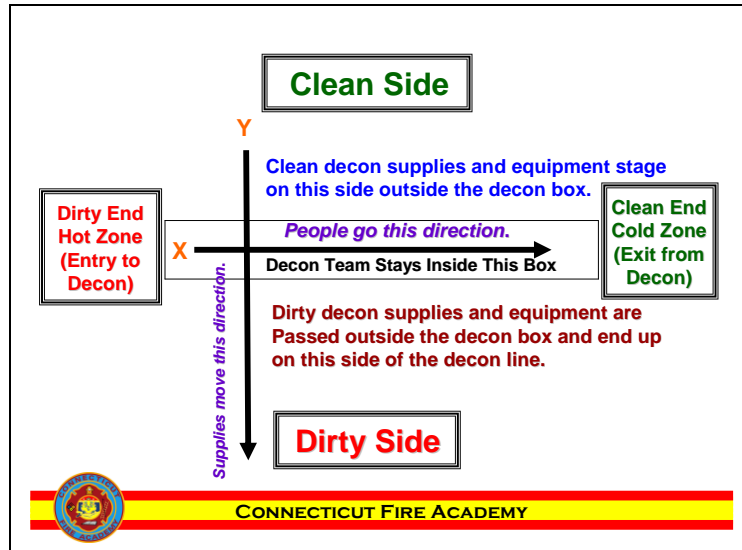
- Set up Benches on Red Tarp
- Set Cans in Dirty Side of Technical DECON Corridor
 - One Can will be used for Dirty Boots or other CPC Reusable Items removed during the Doffing and will be bagged and sent to Cleaning Contractor
 - One Can will be used for Disposable CPC Items: Ex.: Gloves & Suits





Technical DECON Corridor Set-up

Clean Side/End vs. Dirty Side/End



Explain:

- The Y-Axis (top to bottom) would be the clean side and dirty side of the DECON line.
 - DECON supplies and equipment needed along the DECON line are staged on the clean side (top) of the DECON line, and when needed, they are passed across the DECON line from the top side and used throughout the DECON process at their respective stations.
 - When the DECON team member has completed the use of these supplies or equipment, they are moved out of the DECON line and passed over onto the dirty side of the DECON line.
- Following this process allows contaminated personnel to enter the dirty end and proceed through the DECON line and come out the end cleaner than they entered.
 - The DECON support team (the guys that hand the needed supplies across the DECON line to the DECON team at their respective stations) remain on the clean side of the DECON line and remain uncontaminated.
 - When the last person has been Decontaminated, the DECON team members DECON themselves. They place their contaminated supplies or equipment across the DECON line to the dirty side and then proceed through the various DECON stations until they leave the dirty end.
- If this process is followed using some discipline, the unused supplies and equipment remain on the clean side and can simply be loaded and stored.
 - What remains on the dirty side can sit for a while until some testing can be done to determine how contaminated the DECON site actually is.
- Moving DECON supplies and equipment like detergent and brushes into the DECON area becomes a problem if some structure is not provided.



Technical DECON Corridor Set-up

