

**PHOENIX REGIONAL
STANDARD OPERATING PROCEDURES**

**WEAPONS OF MASS DESTRUCTION
CHEMICAL, BIOLOGICAL, RADIOLOGICAL
PERSONNEL AND EQUIPMENT DECONTAMINATION**

M.P. 207.01B

07/03-N

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The purpose of technical decontamination is to remove product/contaminates from personnel, apparatus and equipment. Specific measures may vary slightly with the WMD agent, level of contamination and circumstances of contamination. The Decontamination Sector Officer, through Command, is responsible for determining the most appropriate decontamination procedures and managing the decontamination process.

TECHNICAL DECON LINE PROCESS/STRUCTURE (PERSONNEL)

In an incident involving WMD/NBC three shelters will initially be constructed for grouped victims: Two Ambulatory and a Special Needs/Non Ambulatory decontamination shelter for victims requiring assistance, staffed by a male and female support group.

NOTE: Optimally, the Technical Decontamination Setup will be operated by six technicians

Station #1 - Personal Belongings Drop/Victim Accountability

Personnel Requirements: two station attendants

Equipment requirements: one large container, M256 Chemical Detection Kit, M8 chemical detection paper; Drager System; APD 2000 Chemical Agent Monitor; Victorian instrument CDU-700 and Ludlum Model IIC Radiacmeters plastic bags, triage tags and markers, and a container with soapy water, clipboard and pen.

Attendant #1 will have personnel tag and deposit all critical personal belongings (wallets, keys, identifications, money, purses etc.) into the large container. Attendant #2 will transfer the critical personal belongings into plastic bags and test for contamination with the appropriate sampling device based on the identified threat. If contents are contaminated, the attendant will decontaminate with soapy water and then re-monitor. Once the personal belongings are free of contamination, they will be moved to the exit point of the decontamination line for re-issue to the owners. For biological substances, MMRS toxicology personnel will provide guidance for re-issue. For victim accountability, attendant #1 will record names as individuals enter the technical decontamination procedure. A Start triage tag will be used for each individual.

Station #2 - Clothing Removal

Personnel Requirements: 1 station attendant

Equipment requirements: 1 large container and plastic bags.

Attendant #3 will have personnel remove all their clothing and deposit it into the lined container. Once the container is full, the bags will be sealed. These bags will be stored in the personal belongings check/decontamination area until all victims are processed.

Station #3 - Shower

Personnel Requirements: 1 station attendant

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Equipment requirements: 2 shower systems, soapy water, sponge.

Attendant will have personnel enter the shower and ensure they wash all parts of their body paying particular attention to their hair and body folds. Attendant will have victims wash off any suspected contamination with soapy water and sponge, then re-rinse.

Station # 4 - Monitoring

Personnel Requirements: 1 station attendant

Equipment Requirements: M8 chemical detection paper; APD 2000 Chemical Agent Monitor; Victorian instrument CDU-700 and Ludlum Model IIC Radiacmeters.

Station attendant will monitor with the appropriate detection device for the identified contaminant. If any contamination is detected, the person will move back into the shower and rewash, then be retested. Once victims are tested and determined to be free of contamination, they will be sent forward to the clothing issue area.

Station # 5- Clothing issue/Redress

Personnel Requirements: 1 station attendant

Equipment requirements: Appropriate number of hospital scrubs and thongs for all personnel processing through decontamination

Attendant will issue the appropriate sized hospital scrubs and thongs to each person and have them redress.

The Decontamination Sector Officer will release individuals who have been processed through the decontamination corridor to the Medical Sector staff for further evaluation. This includes all emergency response personnel, civilians and patients. The Decontamination Sector Officer will determine when it is appropriate to release custody of clothing, personal effects and equipment after consulting the Treatment Sector Officer.

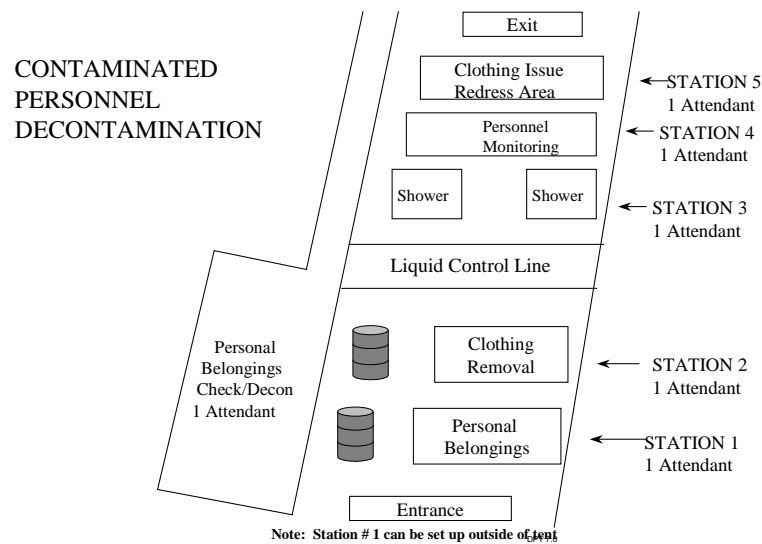
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NOTE: Optimally, the Technical Decontamination Setup will be operated by 5 technicians

TECHNICAL DECON LINE PROCESS/STRUCTURE (EQUIPMENT)

Station #1 - Initial Wash

Personnel Requirements: 1 station attendant

Equipment requirements: Appropriate booster lines and nozzles

Station attendant will spray the vehicle and/or equipment for two to three minutes with water. Hot water, if available, is more effective at removing residual contaminants. Although undersurfaces are difficult to reach, they must be sprayed.

Station #2 - Decon Solution Application

Personnel Requirements: 1 Station attendants

Equipment Requirements: Spray devices, 5% Chlorine bleach solution, brushes

Station attendant will apply the decon solution to all areas of the equipment suspected of being contaminated. Make special effort to apply decon solution to undercarriage of vehicles driven in or through a contaminated area, particularly apparatus used in emergency gross decontamination.

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Station #3 - Wait (Solution Contact Time)

Personnel Requirements: 1 Station Attendant

Equipment Requirements: Spray devices, 5% Chlorine bleach solution, brushes

Station attendant will allow the solution to stay on the vehicles/equipment for a minimum of fifteen minutes. Throughout the wait time, the attendant will observe the equipment and re-spray areas that dry from sunlight, heat or evaporation.

Station #4 - Rinse

Personnel Requirements: 1 Station attendants

Equipment Requirements: Appropriate booster lines and nozzles

Station attendant will spray vehicles and/or equipment for two to three minutes, paying particular attention to undersurfaces.

Station #5 - Equipment Monitoring

Personnel Requirements: 1 station attendants

Equipment Requirements: M8 chemical detection paper; Drager System; APD 2000 Chemical Agent Monitor; Victorian instrument CDU-700 and Ludlum Model IIC Radiacmeters

Station attendant will use the appropriate detection device to monitor for complete removal/neutralization of the identified contaminant. If Federal Agencies on the scene provide additional certification of decontamination, their process/requirements will be accommodated.

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CONTAMINATED
EQUIPMENT
DECONTAMINATION

