

Los Angeles Police Department
WMD L.E. Response Actions (LERA)
1850-31771

INSTRUCTOR GOALS: To teach Recruit Officers how to respond to a Critical Incident. This hands-on section provides recruits with the knowledge and skills to decontaminate victims of a CBRNE Incident. The Recruit will use different types of procedures for decontamination according to the hazard. It will also give the Recruit the knowledge and skill to construct a decontamination corridor and operate it safely. Surveying and monitoring systems will also be discussed.

PERFORMANCE OBJECTIVES:

- Demonstrate the ability to donning and doffing of an Air Purifying Respirator (APR)
- Recognize fit factor of the Air Purifying Respirator
- Monitor blood pressure, pulse and respirations certified by EMT
- Demonstrate the ability to safely don and doff Personal Protective Equipment
- Recognize Chemical, Biological, Radiological, Nuclear, Explosive (CBRNE) Incidents
- Recognize Chemical Warfare Agent Indicators
- Recognize Terrorist Surveillance Activities

I. COURSE OVERVIEW

(30 Min)

- A. Welcome and Instructor Introductions
 - 1. Instructor Experience
 - 2. Course Logistics
- B. Unit and Course Objectives
 - 1. Identify potential threats
 - 2. Implement appropriate response actions
- C. Student Introductions
 - 1. Student Experience
 - 2. Student Expectations
- D. Course Structure
 - 1. Decontamination
 - 2. Principles of Mass Casualty Response
 - 3. Survey and Monitoring
 - 4. Scene Survey and Safety
 - 5. Practical Exercise
- E. Successful Course Completion
 - 1. Post test
 - 2. Certificate of Completion

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II. MEDICAL MONITORING (30 Min)

- A. Medical Monitoring of student participants by certified Emergency Medical Technician
1. Blood Pressure not to exceed 150/90
 2. Temperature not to exceed 100° resting
 3. Pulse rate
 4. Respirations

III. DECONTAMINATION (60 Min)

- A. Unit Objectives
1. To provide the student with the knowledge and skills to decontaminate victims after a CBRNE incident
 2. Familiarize students with various types of and procedures for decontamination according to the hazard
 3. To provide the student with the knowledge and skills to construct a decontamination corridor and operate it safely
- B. Purpose of Decontamination
1. Removal of agent from a victim's skin
 2. Protect responders from secondary transfer exposure
 3. Provide victim's with psychological comfort
- C. Decontamination Corridor
1. Select location that is uphill, upwind and upstream of the hot zone
 2. Secure/provide adequate protection for the decontamination of large numbers of victims
 3. Modesty Issues
 4. Preservation of property
- D. Types of Decontamination
1. Mass Decontamination
 2. Emergency Decontamination
 3. Technical Decontamination
 4. Secondary Decontamination
 5. Ambulatory, Non-ambulatory Victims
- E. Types of Decontaminants
1. Commercial, Natural and Military decontaminates
 2. Soap and Water
 3. Absorbents

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4. Non-aqueous Methods
5. Sodium Hypochlorite (Household Bleach)
6. Reactive Skin Decontamination Lotion (RSDL)

F. Operations within the Decontamination Corridor

1. Process ambulatory victims through the corridor
2. Perform a non-ambulatory cutout and decontamination of victim
3. Conduct technical decontamination
4. Process all victim and responders to the cold zone

G. Chemical Survey and Monitoring

1. M8/C8 Paper
2. Utilization of M8/C8 Paper
3. Learning Activity #1utilizing M8/C8 paper
4. Chemical Agent Monitor (CAM)
5. Start up and operating procedures for the CAM
6. Learning Activity #2 utilizing Technical Decontamination procedures and the CAM

H. Conclusion

1. Discuss the purpose of decontamination
2. Discuss the decontamination corridor an its components
3. Identify the different types of decontamination
4. Identify the different types of decontaminants
5. Conduct operations within the decontamination corridors

IV. PRINCIPLES OF MASS CASUALTY RESPONSE (60 Min)

A. Unit Objectives

1. To provide the students with the knowledge and skills needed to support mass casualty operations at the scene of a CBRNE Mass Casualty Incident
2. Provide the student with the skills necessary to triage and prioritize victims for evacuation, treatment, and transport using rapid assessment measures

B. Mass Casualty Incidents

1. Definition of a mass casualty incident
2. Mass Casualty Incident challenges
3. Large number of casualties
4. Multiple Incidents occurring simultaneously

C. Triage

1. Definition of triage

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2. Simple triage and rapid treatment (START)
3. START assessments
4. Move, Assess, Sort, and Send (MASS)
5. Ambulatory and Non-ambulatory
6. Rapid Assessment
 - a. Pulse
 - b. Respirations
 - c. Mental Status
7. Respiratory Status
8. Blood flow (Perfusion) and Pulse
9. Mental Status
10. Mass Casualty Incident Triage Tags
11. Secondary/Continuous Triage
12. Learning Activity
 - a. Apply START and the four tiered triage tag system

D. CBRNE Signs and Symptoms During Triage

1. Signs and Symptoms of Nerve Agents
 - a. SLUDGEM acronym
 - b. DUMBELS acronym
2. Signs and Symptoms of Blister Agents
3. Signs and Symptoms of Blood Agents
4. Signs and Symptoms of Choking Agents
5. Signs and Symptoms of Radiological Exposure
6. Bomb-Blast Injuries
7. Deployment of Nerve Agent Antidote Kit
8. Physiological Reactions from employment of antidote kit
9. Learning Activity
 - a. Examine and practice utilizing antidote kit
 - b. Proper injection site location

E. Definitive/Advanced Triage

1. Thorough assessment by trained medical personnel
2. Updated vital information (PRM)

F. Conclusion

1. Discuss principle and challenges of an MCI resulting from a CBRNE incident
2. Demonstrate simple triage conducted in the warm zone of a CBRNE incident
1. Identify signs, symptoms, and treatment protocols for victims with different CBRNE injuries
2. Describe the activities at the triage site in the cold zone

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V. SURVEY AND MONITORING PPE IN LEVEL “C” (60 Min)

- A. Unit Objective
 - 1. To allow the student to use survey and monitoring equipment to detect the presence of residual contaminants in the warm zone of a CBRNE event
- B. Chemical Survey and Monitoring
 - 1. M8/C8 Paper and utilization
 - 2. M256A1 Chemical Agent Detector Kit and utilization
 - 3. Chemical Agent Monitor (CAM), Start up and Operating Procedures
 - 4. APD 2000, Start up and operating procedures
- C. Radiological Survey and Monitoring Equipment
 - 2 Ludlum 2241 Civil Defense Meter
 - 3 Dosimeter
 - 4 Geiger Mueller instruments
- D. Donning, Doffing, and Working in PPE Level “C”
 - 2 Donning of PPE and APR (Performed in the Cold Zone)
 - 3 Doffing of PPE Level C and APR (Performed in the Cold Zone)
- E. Conclusion
 - 2 Identify selected chemical agent detection and classification Equipment and its application in a CBRNE environment
 - 3 Identify radiological monitoring equipment and its application In a CBRNE environment
 - 4 Utilize PPE level “C” while engaged in police actions in a CBRNE environment

VI. SCENE SURVEY AND SCENE SAFETY LEVEL “B” (60 Min)

- A. Unit Objectives
 - 1. To allow the student to obtain a working knowledge of the construction and effects of explosive devices and CBRN dissemination devices, how they may be used by terrorists, and the response actions of responders
- B. CBRN Dissemination Devices
 - 1. Direct Deposit Devices
 - 2. Breaking Devices
 - 3. Bursting or Exploding Devices
 - 4. Spraying Devices
 - 5. Vectors

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- C. Explosive Materials
 - 1. Classification by type of Explosion
 - 2. Classification by sensitivity of material
 - 3. Effects of an Explosion
 - 4. Firing Train

- D. Improvised Explosive Devices (IED)
 - 1. Components of an IED
 - a. Power Source
 - b. Initiators
 - c. Explosives
 - d. Switches
 - 2. Use of IED to Disperse CBRNE Material
 - a. Chemical Agents
 - b. Biological Agents
 - 3. Delivery of an IED
 - a. Vehicle borne IED
 - b. Large Vehicle borne IED
 - c. Package type IED

- E. Responding to a Pre-blast Incident
 - 1. Safety Procedures
 - 2. Priority Actions
 - 3. Evacuation Issues
 - 4. Evacuation Considerations
 - 5. Evacuation Decision
 - 6. Scene Survey Considerations
 - 7. Response to a Suspicious Package with possible Chemical or Biological Hazards
 - 8. Scene Survey Techniques

- F. Responding to a Post-blast Incident
 - 1. Hazards Encountered in Structures
 - 2. Other Hazards following an explosion
 - 3. Priorities

- G. Multiple Devices
 - 1. Guidelines for Responding to an Incident Involving Multiple Devices

- H. Evidence Preservation and Procedures
 - 1. FBI's 12-Step Process
 - a. Preparation
 - b. Approaching the scene
 - c. Securing and protecting the scene

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- d. Initiate preliminary surveys
- e. Evaluation of physical possibilities
- f. Preparation of a narrative description
- g. Photographing the scene
- h. Preparation of a diagram/sketch
- i. Conducting a detailed search
- j. Recording and collecting physical evidence
- k. Conducting the final survey
- l. Release of the scene

I. Donning and Doffing the SCBA

- 1. Operational Checks on SCBA
- 2. Donning the SCBA
- 3. Doffing the SCBA

J. Donning PPE Level “B”

- 1. Checklist to don PPE Level “B”
- 2. Doffing PPE Level “B”
- 3. Transition from PPE Level “B” to Level “C”

K. Conclusion

- 1. Describe donning and doffing of PPE Level “B”
- 2. Describe the different means of dissemination of CBRNE hazards
- 3. Describe components of IED

VII. PRACTICAL EXERCISE (LANE TRAINING)

(90 Min)

A. Unit Objectives

- 1. To have students participate in an exercise involving a response CBRNE event

B. Learning Activity Mass Causality and Triage Operations

C. Learning Activity Decontamination Operations

D. Learning Activity Surveying and Monitoring Operations

E. Learning Activity Apprehend a Suspect

VIII. POST ACTIVITY MEDICAL MONITORING

(30 Min)

A. Medical Monitoring of student participants by certified Emergency Medical Technician

- 1. Blood Pressure not to exceed 150/90
- 2. Temperature not to exceed 100° resting
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IX. POST TEST AND GRADUATION WITH CERTIFICATE OF COMPLETION (60 Min)

- A. Posttest and Review
 - 1. Test responders knowledge
 - 2. Review curriculum

- B. Evaluations
 - 1. Critique course
 - 2. Critique instructors

- C. Graduation
 - 1. Present student with a certificate of completion
 - 2. Course complete