

Lesson Scenario

- 2:40 am** 911 calls, reporting train accident.
- 2:46 am** Responding fire chief reports driving into a cloud of fumes and almost being overcome by fumes. Orders responding units to stage at marshaling point.
- 2:53 am** Fire chief and responding units arrive to an upwind marshaling point. 911 calls report trouble breathing and fumes. Instructions to shelter in place given.
- 3:18 am** EMS contacts local hospitals and advises of potential for multiple incoming patients from a chemical spill.


© 2015 National Disaster Life Support Foundation, Inc. All rights reserved.

BDLS® v.3.2





Planning and preparation
Resilience
Education and training
Detection
Incident management
Safety and Security
Assess hazards
Support
Triage and Treatment
Evacuation
Recovery



Shannon Adridge/REMA

Are my needs > resources?

Putting the PRE-DISASTER Paradigm™ into practice!

© 2015 National Disaster Life Support Foundation, Inc. All rights reserved. **BDLS® v.3.2**

PRE-DISASTER Paradigm™
Planning and Practice

- What chemical disaster plans are in place?
- What are the key components to an effective disaster plan?


© 2015 National Disaster Life Support Foundation, Inc. All rights reserved. **BDLS® v.3.2**

PRE-DISASTER Paradigm™
Resilience

- What prior actions could have been taken to mitigate the effects of the event?

© 2015 National Disaster Life Support Foundation, Inc. All rights reserved. **BDLS® v.3.2**

PRE-DISASTER Paradigm™
Education and Training




Shannon Arledge/FEMA

- What type of training should responders have?
- What about just-in-time training?

© 2015 National Disaster Life Support Foundation, Inc. All rights reserved. **BDLS® v.3.2**

The DISASTER Paradigm™
Detection

- Based on information from callers, what type of incident is this likely to be?




Jason Paick/FEMA

© 2015 National Disaster Life Support Foundation, Inc. All rights reserved. **BDLS® v.3.2**

The DISASTER Paradigm™
Incident Management

- What NIMS areas the impact health and medical role?
 - What is your role within the ICS structure?
 - Where could command posts be set up?



Staff Sgt. Vernon Young/US Air Force

© 2015 National Disaster Life Support Foundation, Inc. All rights reserved. **BDLS® v.3.2**

The DISASTER Paradigm™
Safety and Security

- What steps must be taken immediately on scene?
- What level of PPE?
- What must the receiving hospital do in order to ensure the safety of its patients and workers?

© 2015 National Disaster Life Support Foundation, Inc. All rights reserved.

BDLS® v.3.2

The DISASTER Paradigm™
Assess Hazards

- What type of hazards are expected from this incident?
- How will you assess the dangers or threat levels?



Shannon Arledge/FEMA

© 2015 National Disaster Life Support Foundation, Inc. All rights reserved.

BDLS® v.3.2

The DISASTER Paradigm™
Support

- How should support be provided during this event?
- Who is needed?



Marilee Callendo/FEMA

© 2015 National Disaster Life Support Foundation, Inc. All rights reserved.

BDLS® v.3.2

The DISASTER Paradigm™

Triage and Treatment

- How should triage occur?
- What triage principles might apply?
- When should decontamination occur? How?
- What is the treatment for casualties?

© 2015 National Disaster Life Support Foundation, Inc. All rights reserved.

BDLS® v.3.2

The DISASTER Paradigm™

Evacuation

- How is the decision for people to shelter in place or to evacuate the area made?



Shannon Arledge/FEMA

© 2015 National Disaster Life Support Foundation, Inc. All rights reserved.

BDLS® v.3.2

The DISASTER Paradigm™

Recovery

- What are the priorities for recovery from a chemical incident?



Shannon Arledge/FEMA

© 2015 National Disaster Life Support Foundation, Inc. All rights reserved.

BDLS® v.3.2

Chemical Disasters
After-Action Review

- During chemical incident, proper level of personal protective equipment must be used
- Contaminated or those at risk must be decontaminated thoroughly and in a timely manner
- Through incident command system, resources are utilized efficiently and information gathered to make critical decisions such as when to evacuate area

© 2015 National Disaster Life Support Foundation, Inc. All rights reserved. **BDLS® v.3.2**



Questions?