

CBRNE Awareness **Terrorism**

Use of Chemical, Biological and other Weapons of Mass Destruction and the implications to response personnel



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CBRNE Awareness

Title 22 of the United States Code, Section 2656f(d)

Terrorism: premeditated, politically motivated violence perpetrated against noncombatant targets by sub-national groups or clandestine agents, usually intended to influence an audience

International terrorism: terrorism involving citizens or the territory of more than one country

Terrorist group: any group practicing, or that has significant subgroups that practice terrorism




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CBRNE Awareness

Other Forms of Terrorism

- Religious Terrorism**
 - based on intolerance or racial, ethnic and religious differences
- EcoTerrorism**
 - any crime committed in the name of saving nature
 - Tree spiking, Tire studs, etc.
- Computer / Electronic Terrorism (Cyber-terrorism)**
 - Any crime committed against a computer / information system with the intent to cause havoc




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CBRNE Awareness

Potential Terrorists

- Lone individuals
- Identified groups
- Non-aligned groups
- Internationally sponsored
- Domsday cults
- Insurgents



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CBRNE Awareness

Weapons of Mass Destruction



- The weaponization of chemical, biological, radiological, nuclear, and explosives (CBRNE) agents and the manipulation of computers or other technological devices so as to cause death, destruction, and infrastructure disruption of a principal target.

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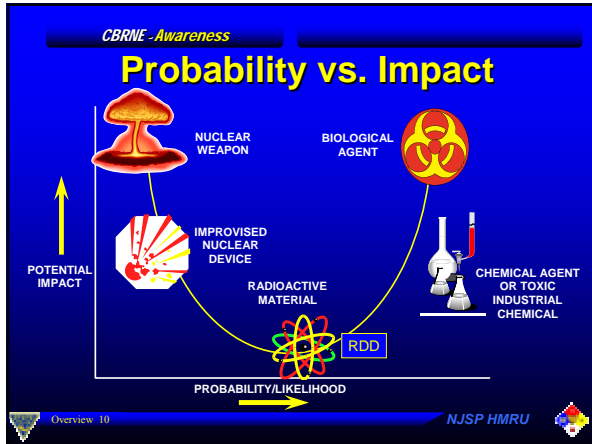
CBRNE Awareness

Fallacies



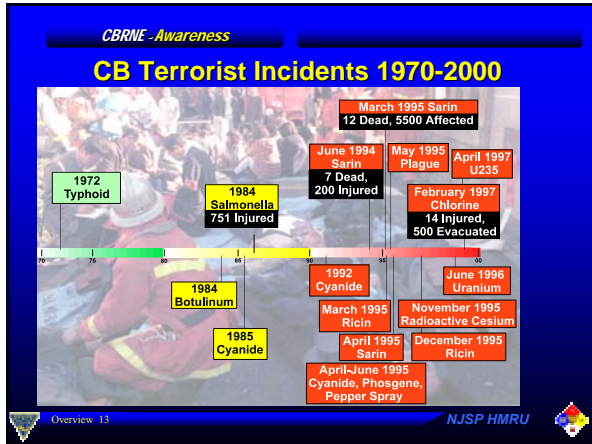
- It can't happen to us

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- CBRNE Awareness** **DOMESTIC THREAT**
- ### Prerequisites to Terror
- ▼ Motive
 - ▼ Access to Materials
 - ▼ Knowledge to build / function a device
 - ▼ Access to a target
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- CBRNE Awareness**
- ### DOMESTIC THREAT: DOMESTIC INCIDENTS
- Hate groups
 - Klu Klux Klan
 - Skinhead
 - Christian identity
 - Black separatist
 - Patriot groups
 - Militias
 - Common law courts
 - Cult groups
 - Single issue groups
 - Lone individuals
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CBRNE Awareness

In the U.S.

- World Trade Center 1993
- Oklahoma City (Murrah Bldg)
- Anthrax Scare in Las Vegas, Washington DC, Sacramento, NYC & NJ.

Two photographs are included: the left one shows the World Trade Center under construction in 1993, and the right one shows several men in lab coats examining samples, likely related to the anthrax scare.

CBRNE Awareness

Recent "Home-Grown" Terrorist acts

- From 1983 - 1991 the FBI identified 101 terrorist incidents in the US
- 1966 FBI Office in Laredo, Tx is bombed
- 1984 a religious sect sprayed salmonella bacteria restaurant salad bar in Oregon
- 1985 Patriots Council manufactures ricin with plot to kill local law enforcement officials.

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CBRNE Awareness **WMD THREAT**

- 1993 A bomb explodes in the World Trade Center parking lot. 6 killed, 1000s injured. 200x100ft crater
- 1995 Amtrak's *Sunset Limited* intentionally derailed
- 1995 Oklahoma City Bombing, 168 killed, hundreds injured
- 1995 Attempt to bomb IRS bldg. in Reno, NV.
- 1996 Militia groups make pipe bombs and plan attacks on Olympic venues. Other militia group plans to blow up the Criminal Justice complex in Clarksburg, WV.



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CBRNE Awareness **TERRORIST INCIDENTS- NEW JERSEY ????**




CBRNE Awareness **DOMESTIC THREAT (con't)**

In New Jersey??

Joanne Chesimard



Arthur Lee Washington



Yu Kikumura



Thomas Manning



Jan Lamon & Son



Ted Kaczynski



Richard Williams



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CBRNE Awareness

Why CBRNE Terrorism?

- Chemical or Biological agents/devices are relatively easy to make
- Cheap
- Available
- Radiological materials can be found in many facilities



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CBRNE Awareness

Why NBC/CBRNE Terrorism?

- Small quantities
- May be hard to detect
- Little signature
- Spread by air

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CBRNE Awareness

Why NBC/CBRNE Terrorism?

- Requires decon
- Psychological impact
- Difficult to prepare for
- Next level of escalation

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CBRNE Awareness

Limitations of NBC/CBRNE Weapons

- Large quantities of chemical agents needed in open spaces
- Delayed effects can detract from impact
- Counterproductive to interests
- Potentially hazardous to the terrorist
- Development and use requires skill

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CBRNE Awareness

NBC/CBRNE Agent Sources


- Home production
- Laboratory / commercial production
- Industrial facilities
- Medical / university research facilities
- Foreign military sources

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CBRNE Awareness

Indicators of NBC/CBRNE Attack

- Primary
 - Symptoms of victims
 - Mass casualties
 - Casualty pattern
 - Dissemination device
 - Warning given or credit taken



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CBRNE Awareness

Indicators of NBC/CBRNE Attack

- Secondary
 - Dead animals or birds
 - Statements of victims
 - Things out of place
 - Unexplained liquids
 - Strange smells

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CBRNE Awareness

"Just how bad will this stuff be"

- A full scale drill conducted in 1997 in Harford County , Maryland.
- Based upon known data Harford Mall Video
Of how materials will react.

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CBRNE Awareness

Potential Outcomes of Terrorist NBC/CBRNE Event

- Panic and confusion
- Mass casualties
- Overwhelm emergency response systems
- Disrupt normal city routine
- Shut down and necessitate decontamination of facilities
- Loss of faith in government
- Loss of faith in emergency response system

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CBRNE Awareness **THREAT ASSESSMENT**



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CBRNE Awareness **TERRORIST TARGETS**

- Enclosed areas



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CBRNE Awareness **TERRORIST TARGETS (con't)**

- High profile events
- Large crowds
- High payoff and accessible facilities



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CBRNE Awareness

TERRORIST TARGETS (con't)



- Critical facilities and infrastructures

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CBRNE Awareness

TERRORIST TARGETS (con't)

Transportation



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CBRNE Awareness

TERRORIST TARGETS (con't)

- Facility of interest towards terrorist cause
 - Family planning clinics
 - Government offices



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CBRNE Awareness

TERRORIST TARGETS (con't)



- Historic and symbolic monuments


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CBRNE Awareness

TERRORISM: HISTORICAL PERSPECTIVE

Historically certain groups were immune; however, today--


- No one is immune
 - Schools / Children
- Emergency responders are also targets
 - Firefighters
 - Law enforcement
 - EMS



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CBRNE Awareness

KEY POINTS




- Recent events involving CBRNE/WMD
- Groups that may use CBRNE/WMD
- Likely WMD targets
- International and domestic groups

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CBRNE Awareness

Key Points

- Terrorist groups have means, motive, opportunity
- NBC/CBRNE weapons have far-reaching effects
- Recognizing symptoms may be first clue
- Mass casualties may result
- New challenges to Responders



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