

FIRE DEPARTMENT OF THE CITY OF NEW YORK

JOINT CHEMICAL, BIOLOGICAL, DECONTAMINATION AND PROTECTION CONFERENCE AND EXHIBITION OCTOBER 25, 2007

BC EDWARD BERGAMINI CP JEFFERY RACE

WHY IS THE FDNY AT THE CONFERENCE?

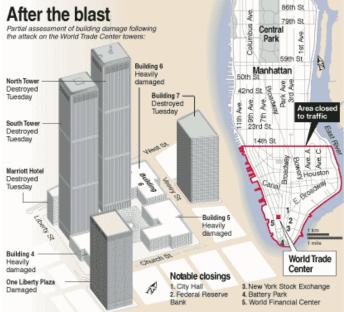
- FDNY Pre/Post 9/11
- FDNY CBRNE Challenges
- FDNY-JPEO Partnering Effort
 - BRIEF FIRE BOAT HISTORY
 - JPM-CP Support
- FDNY Future Initiatives



FDNY on 9/11

- 9/11 had many lessons learned and exposed vulnerabilities
- Not well prepared for a major terrorist event
- Toxic material and smoke major hindrance to first responders
- Mass population evacuation limited
- Command centers not tailored to meet needs of first responders
 After the second s





Source: News reports: Graphic: Chris Soprych, Diew Sotlard, Chicago Tribune

FDNY Post 9/11

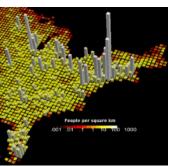
- Assessed vulnerabilities to address future threats
- Upgraded command center to meet challenges of 9/11 magnitude event
- Upgraded CBRN Readiness – new fire boats outfitted with CP





CBRNE CHALLENGES

- GENERAL
 - HIGH POPULATION DENSITY
 - TRADITIONAL CONOPS VS. NEW
 - SUSTAINABLITY OF OPERATIONS
 - ONGOING TRAINING AND EQUIPMENT NEEDS
 - Will City be able to provide the basic services (LE, Fire/EMS) during recuperation activities?



CBRNE CHALLENGES

- Sustainment in CBRN Event
 - Mobile Command Centers
 - Not hardened for CBRNE event
 - Communications
 - Rest and relief
 - Decon zones
 - Conops not prepared for CBRNE event
- Modeling and Simulation
 - Cloud Plume
 - Population density contamination analysis
 - Post attack assessment tools
- SCBA EQUIPMENT
 - Limited usage time
 - Limits time to complete tasks
 - 2/3 of air time used for ingress/egress to scene



Fire Boat Collective Protection

- Joint Project Manager-Collective Protection and FDNY developed partnership to assist on CBRNE matters, specifically as expert advisor for fire boat CP design
- JPM-CP worked closely with FDNY to ensure the required capability was implemented for the fire boat
- FDNY required Subject Matter Expertise for shipboard CP
- FDNY sought expertise within DoD, specifically Navy CP SME
- No commercial shipbuilding codes provide CP design requirements
- JPM-CP will leverage Navy CP expertise engineering and technical support for the fireboat design and testing.

JPM-CP Support

- Requirements definition
- Detail design
- Build phase
- System verification and testing
- System training and checkout
- Life cycle support
- System capability

FUTURE INITIATIVES

- Other NY/NJ Port Agencies with Maritime Resources
- Land based critical infrastructure protection







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