

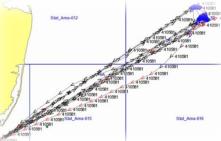
Responding to Emergencies Involving Sea Disposed Military Munitions

Coast Guard Sector Delaware Bay Concept Plan Overview

RRT 1/2 Meeting Burlington, VT



Chemical munition recovered from clambed



Sector Delaware Bay

LT Terry Plank







F/V WILLIAM LEE





ESS ENDEAVOR





PERSISTENT THREAT







Dredge Operations





Photo/video courtesy: Tom Dameron +/- 50 dredging type F/Vs operating in AOR

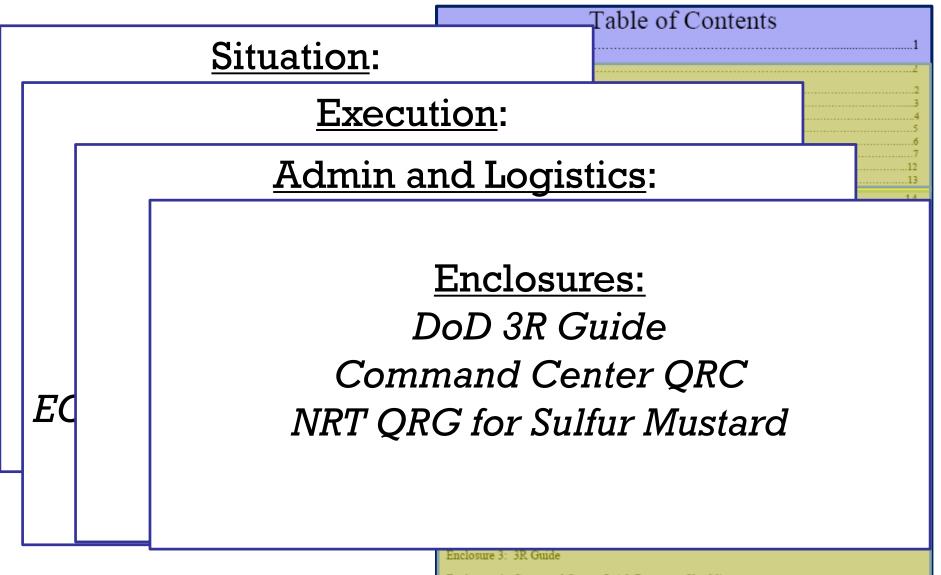






Contents of the Plan



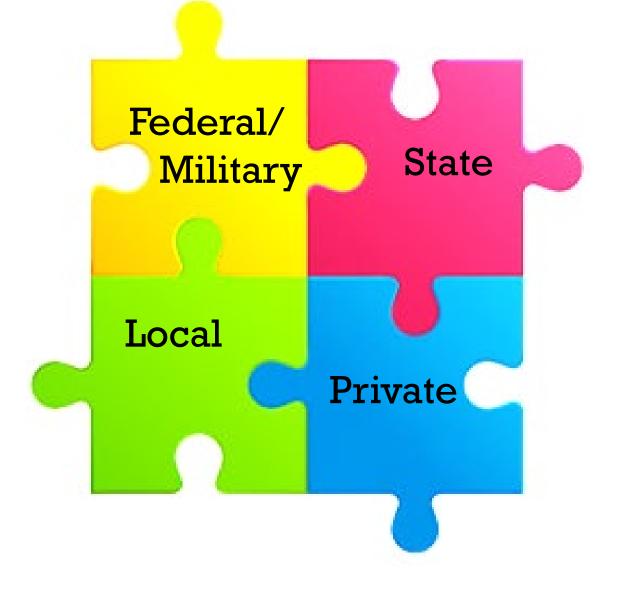


Enclosure 4: Command Center Quick Response Checklist

Enclosure 5: National Response Team Quick Response Guide for Sulfur Mustard



Degree of Difficulty









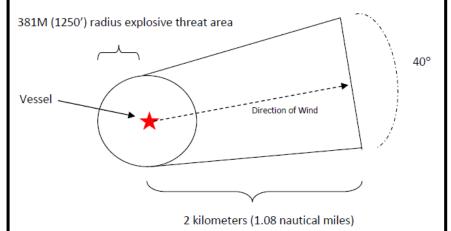
- Likely a NCP Response w/ USCG as FOSC
 DoD OSC if known to involve military weapon
- Provide safety/first aid guidance to F/V
- Evaluate as best as possible the <u>actual threat</u> Navy EOD DTRA 20th CBRNE
- Timely inter-agency communication
- Vessel control actions... There will be tradeoffs



Assessment & Mitigation



Worst Case Exclusion Area for Explosive/Significant Public Health Threat



• EOD Team will require vessel and entry support for offshore response (NWS Earle: 1 29' boat) WPB, FRC, NSF assist Only equipped for hasty decon for self preservation.





- Offshore environment: HAZMAT response options diminished; risks to responders significant
- Vessel should be brought to an adequate pier if no explosive/significant vapor threat for appropriate response (trade offs)
- Worst case HAZMAT response 15+ personnel, Level B



Ongoing Challenges



Training & Risk Fleet **Exercises** -Reporting -EOD/NSF experience & -Safety Risk TTP w/ munitions in -Equipment maritime -Training environment Time -Exercise the -Delayed plan symptoms -Role Clarity





- DoD 3R Guide for the Maritime Industry
- NRT Quick Reference Guide for Sulfur Mustard
- DoD Munitions Response Terminology
- DoD Research Related to Effect of Ocean Disposal of Munitions in U.S. Coastal Waters – Report to Congress – November 2016
- OSPAR Framework for Developing National Guidelines for Fishermen on How to Deal with Encounters with Conventional and Chemical Munitions (North Atlantic)
- Helsinki Commission Report on Dumped Chemical Munition





THANK YOU

SECTOR DELAWARE BAY