



Regional Incident Survey Team

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Responders Helping Responders



Regional Incident Survey Team (RIST)



Survey Criteria

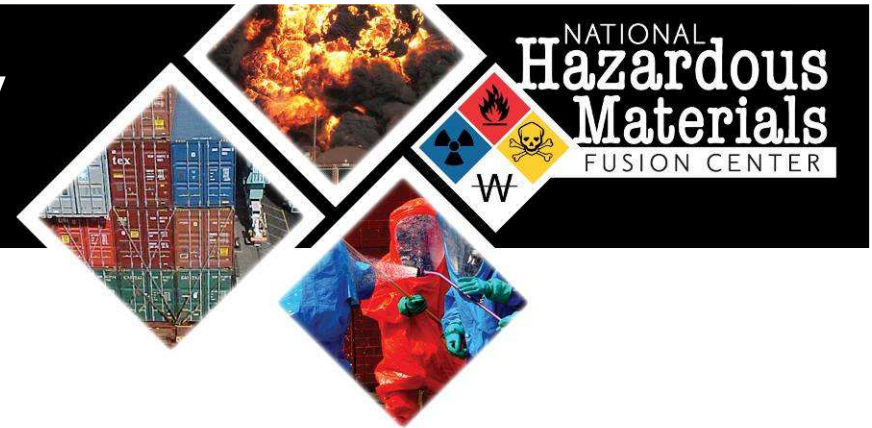
Invitation Process

Conducting a Survey

Completed and Pending Surveys



Regional Incident Survey Team (RIST)

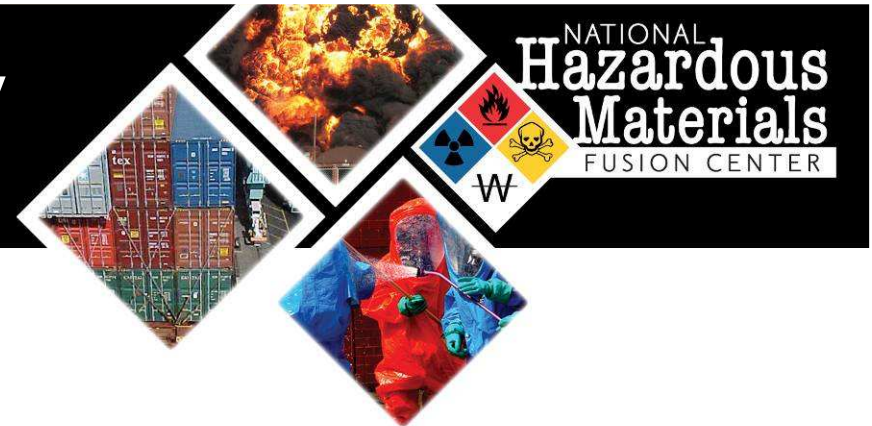


Mission:

The Regional Incident Survey Teams will be deployed to survey hazardous materials incidents. Information gathered will be analyzed to develop and disseminate smart practices, lessons learned, improved curricula and training materials for the hazardous materials response community and other emergency response service personnel.



Regional Incident Survey Team (RIST)



Completed surveys by PHMSA region

- Western
 - CO exposures
- Southwest
 - Abandoned 150 lb. chlorine cylinder



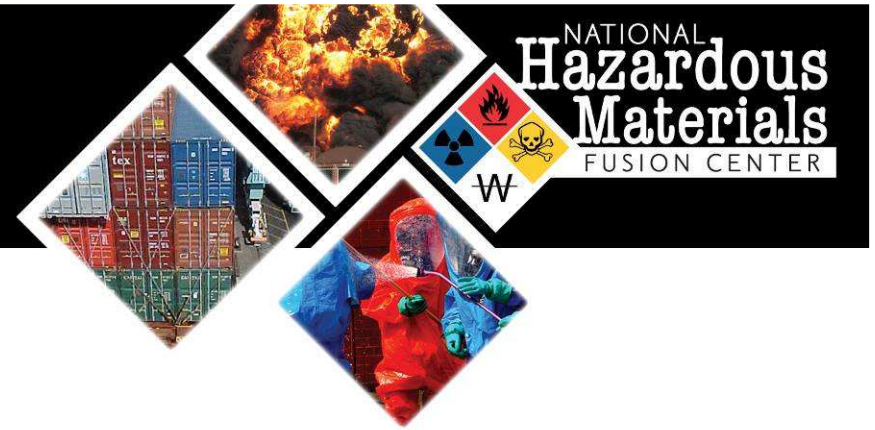
Completed Surveys (Cont'd)



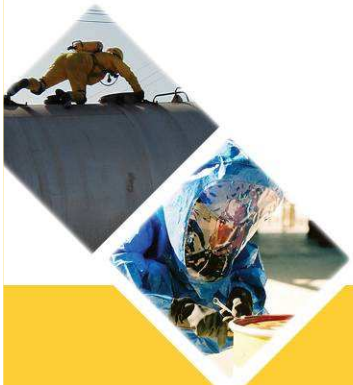
- Central
 - Structure fire involving hazmat
 - Anhydrous hydrogen chloride spill
 - Gasoline tanker crash/bridge collapse
- Southern
 - Ethanol tanker rollover



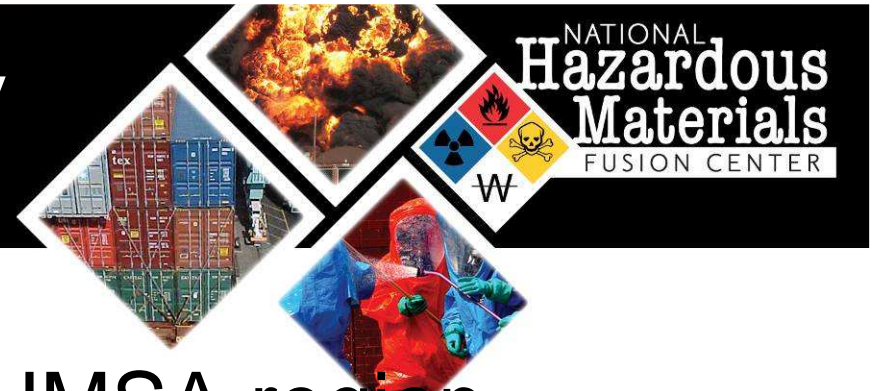
Completed Surveys (Cont'd)



- Eastern
 - HF tanker rollover
 - MC 306 tanker rollover
 - H2S 'detergent' suicide



Regional Incident Survey Team (RIST)



Scheduled surveys by PHMSA region

- Western
 - Ammonia release
- Southwest



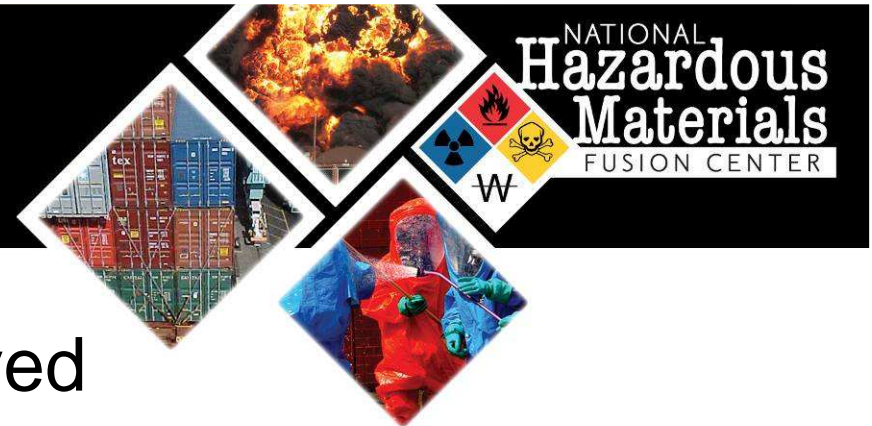
Scheduled Surveys (Cont'd)



- Central
- Southern
- Eastern
 - Hydrogen leak (commercial refilling facility)
11/14
 - Ethanol tanker fire – 11/16



Survey Criteria



- Hazardous material involved
 - May be transportation and/or fixed facility
 - Involves a release or threatened release
 - May involve a HAZMAT Team
- No go: Active investigation by NTSB or CSB
- Potential exists to capture significant lessons learned and smart practices
 - From all responder groups



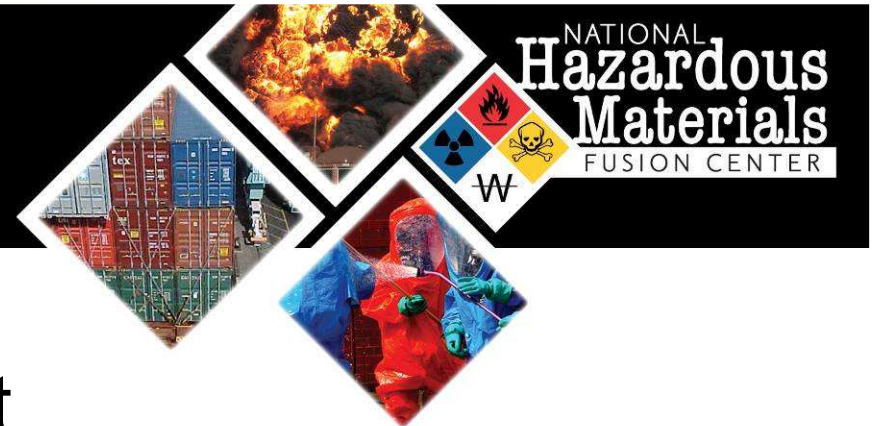
Invitation Process



- Initial contact
 - From responders; hazmatfc.com, iafc.org
 - From RIST / IAFC / PHMSA
- Liaison established between agency rep and RIST Leader
- Approval obtained from agency head & from RIST administrator to proceed
 - Letter of introduction sent from assigned RIST Leader



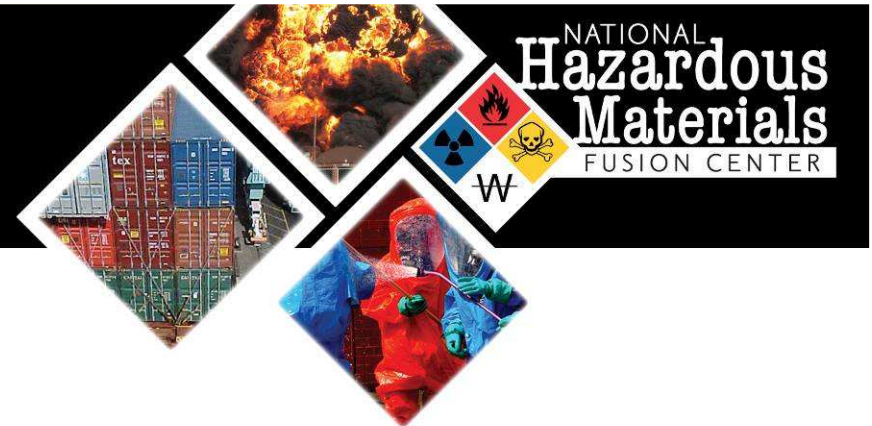
Survey Process



- Coordinate prior to visit
 - Schedule interviews, site visits
- Interview responders
 - All disciplines involved in the incident
- Collect available supporting documentation
 - Incident reports
 - Recordings



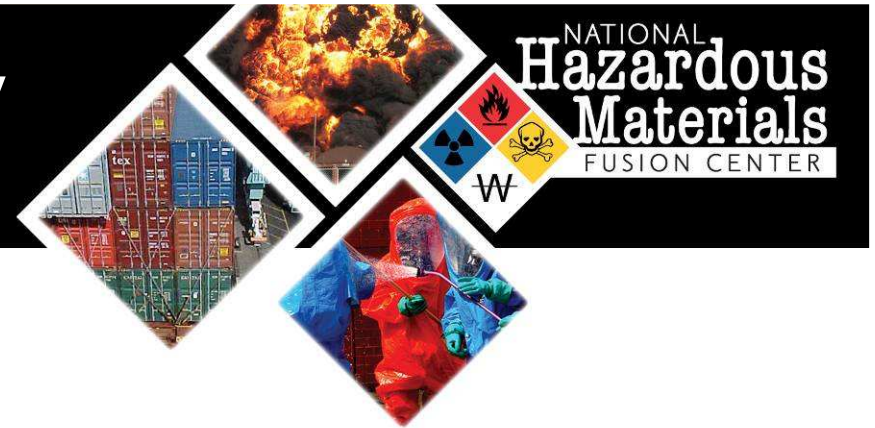
Survey Process (Cont'd)



- Submit Draft Report to HAZMAT Fusion Center
 - Peer Review Group for validation
 - Partner with Texas A&M (TEEX) to format the final draft
 - Provide host agency an opportunity to review and comment on final draft
- HAZMAT Fusion Center will post on their web portal
 - Currently in beta; will be open to public
 - Target of ~ 6 weeks from survey to publishing

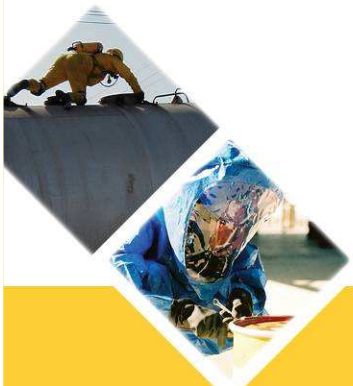


Regional Incident Survey Team (RIST)



Focus study

- Gasoline tanker accidents with spills



Lessons Learned & Smart Practices

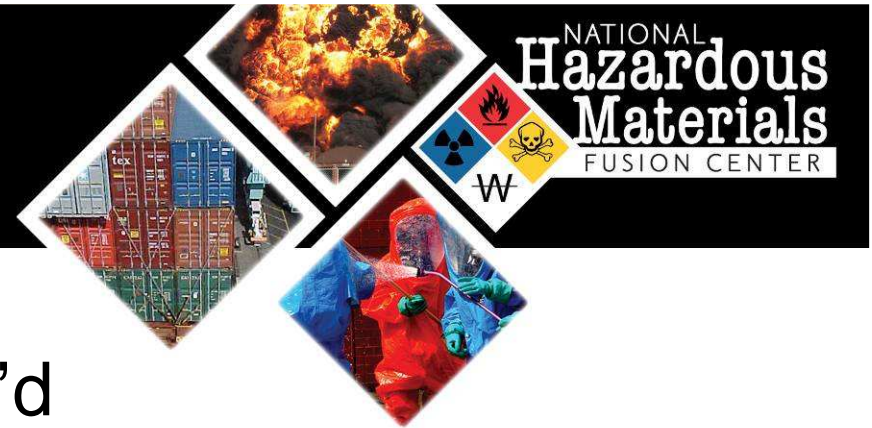


Southwest-0801-Other

- Abandoned chlorine cylinder
 - Proper container identification
 - Interagency communications
 - Know capabilities & resources of other responding agencies
 - Train with automatic & mutual aid agencies
 - Establish decon & ensure appropriate staffing prior to entering the hot zone



Lessons Learned & Smart Practices (Cont'd)



Southwest-0801-Other Cont'd

- Abandoned chlorine cylinder
 - Ensure 'clean up crew' has proper credentials
 - Be prepared; make sure hazmat personnel know the 'clean up crew's' action plan
 - Hazmat teams recently trained with the A Kit



Lessons Learned & Smart Practices (Cont'd)



Eastern-0901-Transportation

- Hydrogen fluoride tanker crash
 - Rely on your training
 - State police received awareness level training
 - State police utilized the ERG
 - State police utilized CHEMTREC
 - Use your training to make key decisions



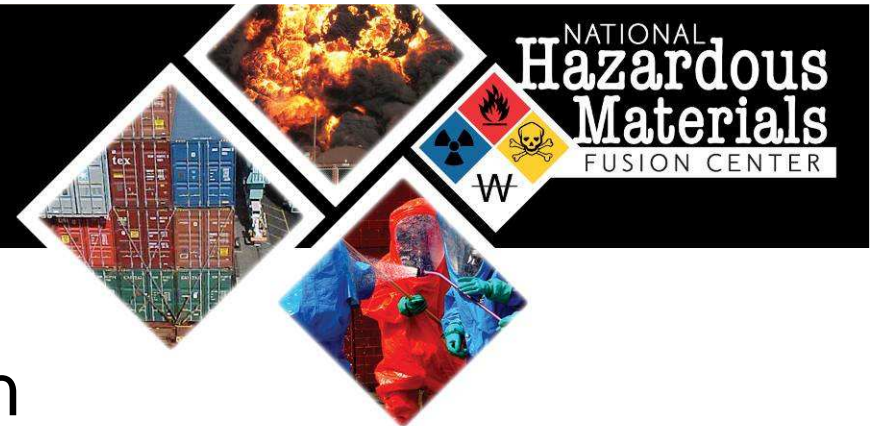
Lessons Learned & Smart Practices (Cont'd)

Eastern-0901-Transportation

- Hydrogen fluoride tanker crash
 - Establish UC during a multi-agency response & be sure to include representation from each
 - Utilize available resources (ie: Hazmat Chief)
 - Reach out to your local area EOC and become familiar with it's role & capabilities
 - Pre-plan evacuation procedures and involve key players within the community



Lessons Learned & Smart Practices (Cont'd)

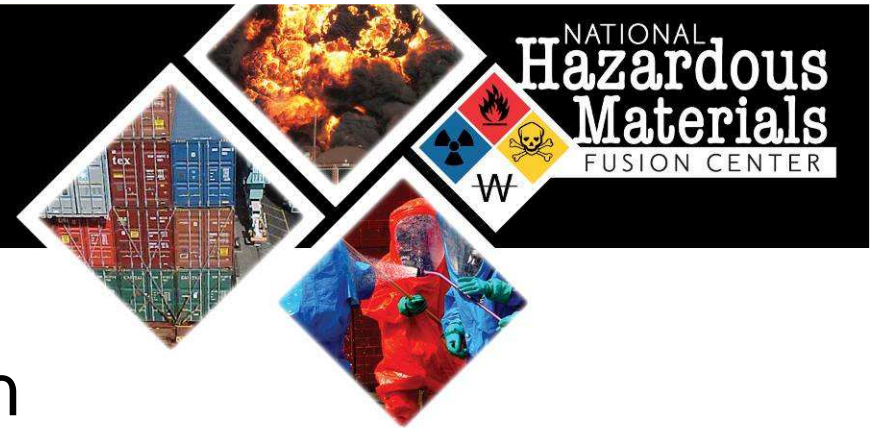


Eastern-0902-Transportation

- Home heating Fuel Oil Tanker
 - Establish UC during a multi-agency response & be sure to include representation from each
 - Mutual Aid partnerships



Lessons Learned & Smart Practices (Cont'd)

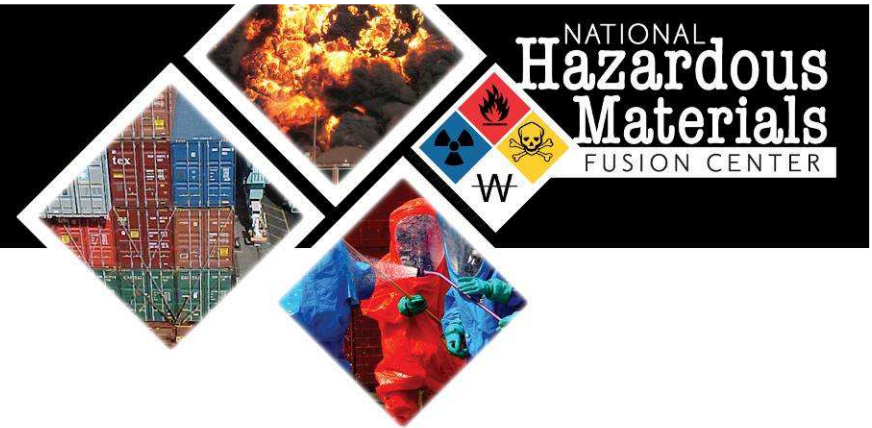


Eastern-0902-Transportation

- Home heating Fuel Oil Tanker
 - Use of ERG
 - NIMS/ICS Training
 - Importance of appointing a PIO
 - Interoperability Communications
 - Use of Proper PPE (over \$40,000 in PPE damaged and disposed of)



Lessons Learned & Smart Practices (Cont'd)



Western-0901-Other

- Carbon monoxide exposures
 - Express importance of clear, concise & complete communications between all associated agencies
 - Size up is a continuous process; avoid tunnel vision
 - Acute exposure symptoms do not manifest as those commonly associated
 - If evacuation is warranted, consider removal of victim



Lessons Learned & Smart Practices (Cont'd)



Western-0901-Other

- Carbon monoxide exposure
 - Establish and use Unified Command early
 - Train on CO recognition, especially during cold temperature months

