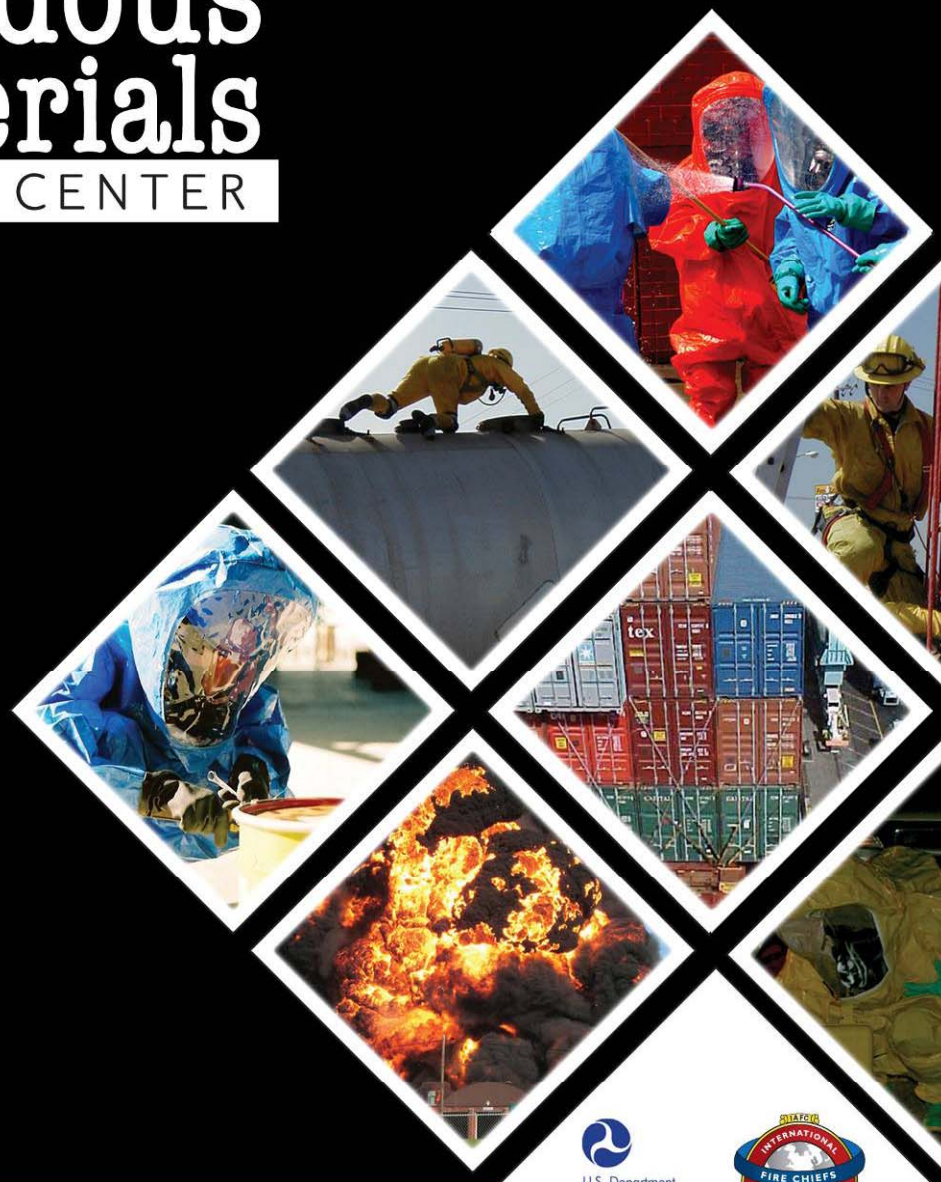




Your Hazmat Fusion Center

Joe Silvestris
Southern RIST Team Leader

Responders Helping Responders





What We are Trying to Prevent



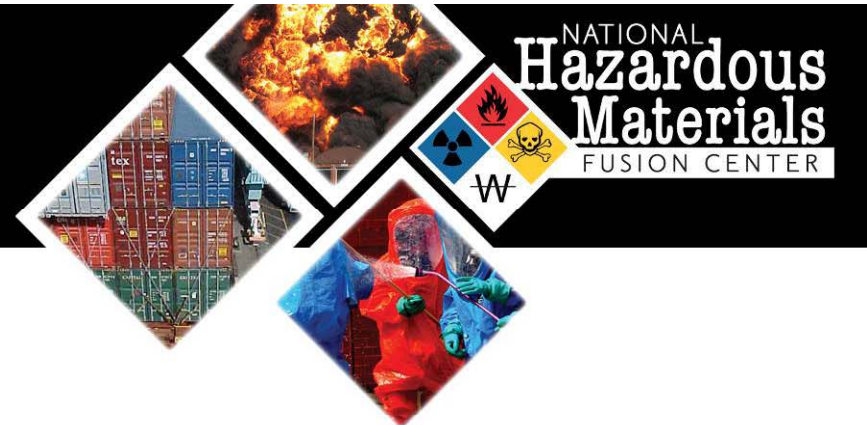
Systematic Approach



- Data Collection
- Analysis
- Dissemination



Data Collection



- Regional Incident Survey Teams (RIST)
- Hazmat incident reporting system on the secure Web portal



Analysis & Dissemination



- Lessons learned
- Smart and effective practices
- What is shipped, spilled, and released
- Incident patterns and trends
- Safe response recommendations
- Planning tools and resources



Analysis & Dissemination Continued



- Effective training
- Product/incident specific training materials
- Hazmat response equipment

CRITICAL HAZMAT INFORMATION NOTIFICATION



BUILDING BRIDGES

PHMSA FRA

IAFC NFA

Industry: Rail, Truck,
Chemical, Pipeline

USCG LE NASTTPO

FBI NASFM TSA FMCSA

CHEMTREC NVFC IAFF

Organizations represented
on the workgroups



Pilot Year Nov 07-08



- Bottom up Development
- Regional Focus Groups
- Fusion Center Workgroups
- Four RISTs established
- Jumpstart portal
- National Outreach



Year-Two Activities



- Fusion Center Operational
- Beta version of Fusion Center Portal
- RIST surveys begin
- Hazmat symposiums
- National Hazmat team collaboration



Web Portal Philosophy



- Crawl, walk, run
- Hazmat community develops the Portal and content
- Evolves based on input from hazmat community



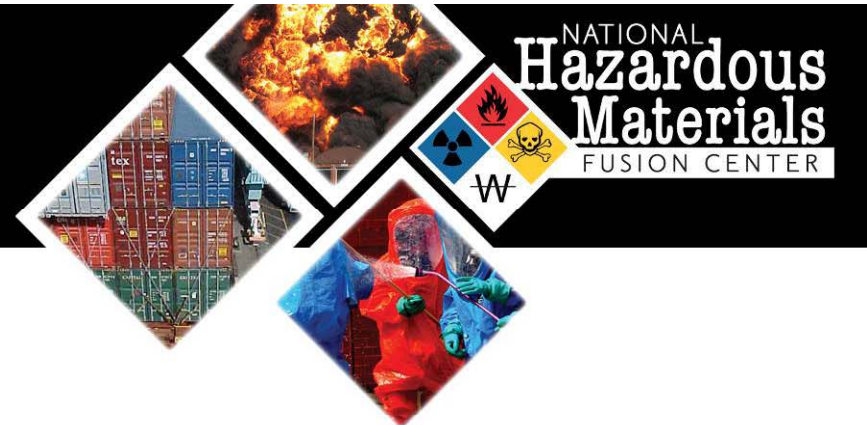
Web Portal Areas



- Public Area
 - Fusion Center and Hazmat Information
 - Summary statistics, trends and analysis
 - Summary RIST Reports
 - News
- Members Only Area (registration required)
 - Smart practices and lessons learned
 - Incident Reporting System
 - National and regional statistics, trends and analysis
 - Full RIST Reports
 - Hazmat Forum
 - Fusion Center Working Groups



Portal Rollout



- Soft launch of the public site in August
- Register now for Members Only area or for team access to the Incident Reporting System
- Nationwide release October 15, 2010, at the HOTZONE Conference in Houston, Texas



New Public Area Home Page



NATIONAL
**Hazardous
Materials**
FUSION CENTER

[Members Login](#)

[HOME](#) [INCIDENT REPORTS](#) [HAZMAT RESOURCES](#) [TRAINING](#) [STATISTICS & TRENDS](#) [NEWS](#) [ABOUT US](#)

HIGHLIGHTS



New Hydrochloric Acid Release Training Package

Produced by the Regional Incident Survey Teams (RIST), this is a great training tool full of lessons learned and smart practices for responding to a HCL release.

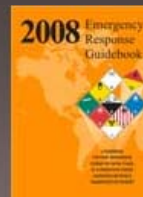
New RIST Executive Summaries available

New RIST Executive Summaries have been posted in the Incident Reports section under RIST Reports. Check them out!

Registration Now Open!

You can now register for "Members Only" Access to the Hazmat Fusion Center portal. Hazmat Teams can also register to use the Incident Reporting System.

NEWS



PHMSA seeks comments for 2012 ERG

July Hazmat Fusion Center E-update

ANNOUNCEMENTS

Title

Soft Launch of Hazmat Fusion Center Public Website at Fire Rescue International

Nationwide release of Hazmat Fusion Center Portal - Oct 2010




Members Only Area




Fusion Center Beta Announcements

Update on the portal development (attachment) 
by Elena_Slavinsky

10/23/2009 10:39 AM



 Add new announcement

Hazmat Incident Reporting System

 Create / Edit Hazmat Incident Reports

Click here to
access the
Incident Report
System

Fusion Center Calendar of Events

 	Start Time	Title	Location	Meeting Details
	7/28/2009 8:00 AM	National Hazardous Materials Fusion Center Eastern Symposium	Philadelphia, PA	
	11/4/2009 8:00 AM	National Hazardous Materials Fusion Center Western Symposium	Denver, CO	

 Add new event

Beta Testers Discussion Board


Subject	
BUGS -	
CONTENT SUGGESTIONS	
THE INCIDENT FORM	0
FUSION CENTER WISH LIST	0
Mac Users - How to get the Incident Forms Application working on your Mac.	0
Issue with mouse function	3
Issue with "ready for review"	1
No unit of measure on radiation releases	0
Air Monitoring, Equipment, and Readings	0
New PPE Level	0
Accidental Release	0
Template for the narrative section	1

View Training, Resource
Links, and products of the
Fusion Center

Suggestions, Comments or Questions?

Last Name	First Name	Business Phone	E-mail Address
Silva	Steven		stsilva1@gmail.com

Fusion Center Forums

 Click here to access the Fusion Center Forums




Training

-  Courses
-  Training Packages
-  Reference Materials

Resource Links

-  State Hazmat Associations
-  Industry Groups
-  Federal Gov't Sites

Fusion Center Products

-  White Papers
-  Best Practices
-  Trends and Statistics

Click here to
access the
Hazmat
Forum

New Members Only Design

NATIONAL
**Hazardous
Materials**
FUSION CENTER



Login | 
Advanced Search

HOME

REPORT SYSTEM

RESOURCES

TRAINING

STATISTICS & TRENDS

NEWS

FORUM

WORKING GROUPS

HAZMAT INCIDENT REPORT SYSTEM

- Manage Team Reports
- Search & Analyze
- Team Registration

BREAKING NEWS

- Estimated size of oil spill doubles

ANNOUNCEMENTS

- 2 new RIST reports added this week!
- Register for Fusion Center Symposium (9/14/09)
- Search & Analyze



HAZMAT FORUM

- Regional Incident Survey Team Reports
- Fusion Center Reporting
- System Summaries



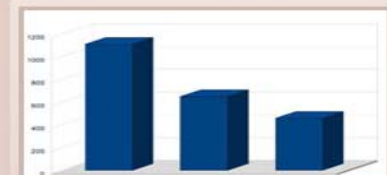
HAZMAT RESOURCES

- Organizations
- Publications
- Events



TRAINING

- Courses
- Training Packages
- Reference Materials



STATISTICS & TRENDS

- Regional Statistics for 2010
- Trends in Ethanol Transport Incidents
- Top 10 Materials involved in HazMat Responses



Responders Helping Responders
© 2009 HazmatFC. All rights reserved | [About Us](#)



U.S. Department
of Transportation
**Pipeline and
Hazardous Materials
Safety Administration**

Report Dashboard



Fusion Center Incident Forms Application BETA

Hazmat Incidents For: DIFZ UNIT

Reports - All

Drag a column header and drop it here to group by that column

	Date / Time	Incident Name	Material	Status	Training Exercise	Actions
	12/2/2009	Testing Validation	chlorine	Submitted	No	Print Report
	12/2/2009	Testing Validation	Unknown 1	Submitted	No	Print Report
	6/28/2009	test100	Hydrogen cyanide, anhydrous, stabilized	Submitted	No	Print Report
	6/26/2009	Fire at orchard ponds apartment	4,4'-Diaminodiphenylmethane	Submitted	No	Print Report
	6/26/2009	Fire at orchard ponds apartment	5-Methylhexan-2-one	Submitted	No	Print Report
	6/25/2009	Chlorine Leak	Coal gas	Submitted	No	Print Report
	6/25/2009	Chlorine Leak	Rubber solution	Submitted	No	Print Report
	6/25/2009	Chlorine Leak	Sodium picramate, wetted with not less tha	Submitted	No	Print Report
	6/25/2009	Chlorine Leak	Trinitrophenol, wetted with not less than 3C	Submitted	No	Print Report

Shortcuts:

[View All](#)

[View Drafts/Ready](#)

[View Submitted](#)

[Create New Incident](#)

Incident Report Form



Hazmat Incident: CHLORINE RELEASE ROUTE 32 SOUTH

Responsible Unit: SCS UNIT

Report Status: Draft

☐ This is a training or exercise incident

Ready For Review

Save and Close Report

○ Summary

- Location
- Environment
- Weather
- Materials
- Factors
- Consequences
- Response Actions
- Involved Parties
- Narrative

Form Navigation
Bar

Incident Summary

Save and Continue

All parts of this page are mandatory; please fill out all fields and select any/all checkboxes that apply.

* Incident Name: CHLORINE RELEASE ROUTE 32 SOUTH

Local Incident #: 123456-09

* Incident Start Date: 10/16/2009

15

* Unit Dispatch time: 1245 Eastern Daylight Savings Time

Incident Location:

(Provide either the address including the ZIP and/or Lat/Long)

Address: 32 SOUTH

City/Borough: SYKESVILLE

County/Parish: HOWARD

State: MD

ZipCode: 21784

-- OR --

Latitude/Longitude:

Type of incident:

(Select as many as apply)

☐ Fire

☒ Investigation

☐ Standby

☒ Release

☐ Radiological

☐ Explosion with fire

☐ Explosion

☐ Other:

Incident Report Form Continued



Hazmat Incident: Testing again

Responsible Unit: SCS UNIT

Report Status: Ready for submission

☒ This is a training or exercise incident

Submit

Save and Close Report

- Summary
- Location
- Environment
- Weather
- Materials
- Factors
- Consequences
- Response Actions
- Involved Parties
- Narrative

Incident Location Details

Save and Continue

Government Jurisdiction: Municipal

Property Type: Public: Land

Area Type: Urban

Area Use Type: Commercial

Additional Details

Highway w/Nearest Milepost:

Railroad track location:

River milepost marker:

Save and Continue

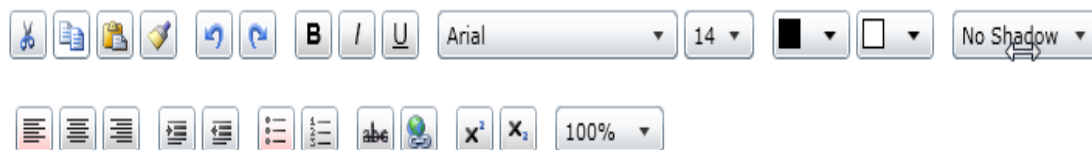
Narrative Section



- Summary
- Location
- Environment
- Weather
- Materials
- Factors
- Consequences
- Response Actions
- Involved Parties
- Narrative

Narrative

Description:



TRUCK CONTAINING 20 BOTTLES LIQUID CL2 OVERTURNED AT INTERSECTION OF 32 AND I-70.

- 2 BOTTLES LEAKED
- WIND FROM NW
- APPROX 50% OF TANKS RELEASED CL2
- PLUME ESTIMATED TO COVER I70
- SCHOOLS SHELTER IN PLACE
- CARS ON I70 EVACUATED SOUTH ON 32
- DECON ESTABLISHED N OF I70 APPROX 500M FROM HOT ZONE
- 2 TEAMS ENTRY WITH A-KITS
- LEAKS CONTROLLED

HMT CLEARED @1700

Save

Printable Form



HAZMAT INCIDENT REPORT

UNIT: DIFZ UNIT

DEPARTMENT: DIFZ

INCIDENT SUMMARY INFORMATION

INCIDENT DATE: 06/23/2009

INCIDENT NUMBER: 10002

INCIDENT NAME: reston bromine

INCIDENT DURATION:

ADDRESS: reston water treatment plant Fairfax FAIRFAX 22030 Virginia

TYPE OF INCIDENT:

☐ Standby ☒ Investigation ☐ Fire ☒ Release
☒ Explosion ☐ Explosion with fire ☒ Radiological

Other: White powder

ISSUES FOR INCIDENT:

☒ Weather ☐ Evacuations
☐ Impact on transportation corridors ☐ Injuries
☒ Impact on environment ☐ Fatalities
☐ Shelter in place

INCIDENT INVOLVED:

☒ Fixed site (Any building or plant)

☐ Transport

Transport Type

☒ Truck ☐ Rail ☐ Aircraft ☐ Watercraft
☐ Pipeline ☐ Passenger vehicle ☐ Roadway

MATERIALS INVOLVED

MATERIAL NAME: Chlorine

CHEMICAL NAME: Chlorine

UN#:

CAS#:

STCC#:

CONTAINER TYPE: Fixed container

HAZARD CLASS:

PHYSICAL STATE:

AMOUNT AT RISK:

UNITS:

AMOUNT RELEASED:

UNITS:

LEVEL OF RELEASE:

HEIGHT OF RELEASE:

SUBSTANCE BEHAVIOUR:

HOW WAS MATERIAL IDENTIFIED:

HOW LONG TO IDENTIFY THE MATERIAL:

SUBSTANCE WAS WASTE: ☐

PROBLEM IDENTIFYING MATERIAL: ☐

THREATENED RELEASE: ☐

MATERIAL NAME: Unknown

CHEMICAL NAME: Unknown material 1

HAZMAT INCIDENT REPORT

MATERIALS INVOLVED

UN#:

CAS#:

STCC#:

CONTAINER TYPE: Van

HAZARD CLASS:

PHYSICAL STATE:

AMOUNT AT RISK:

UNITS:

AMOUNT RELEASED:

UNITS:

LEVEL OF RELEASE:

HEIGHT OF RELEASE:

SUBSTANCE BEHAVIOUR:

HOW WAS MATERIAL IDENTIFIED:

HOW LONG TO IDENTIFY THE MATERIAL:

SUBSTANCE WAS WASTE: ☐

PROBLEM IDENTIFYING MATERIAL: ☒

THREATENED RELEASE: ☐

LOCATION AND ENVIRONMENT

GOVERNMENT JURISDICTION: Municipal

PROPERTY TYPE: Tunnel

AREA TYPE: Suburban

TERRAIN: Flat

AREA USE TYPE: Residential

LIGHT CONDITIONS: Daytime

CONFINED SPACE: ☒ This incident involved a confined space

☒ Permit was required

☒ The confined space was a factor in the response

ALTITUDE WAS FACTOR IN RELEASE: ☐

WEATHER

CONDITIONS: Windy

IMPACT OF WEATHER: Slight

HOW WEATHER DETERMINED:

TIDE WAS A FACTOR: No

Time	Temp (F)	Humidity(%)	Wind Speed(MPH)	Direction	Pressure
10:30:00		123	222		

CONDITIONS:

IMPACT OF WEATHER:

HOW WEATHER DETERMINED:

TIDE WAS A FACTOR: No

Time	Temp (F)	Humidity(%)	Wind Speed(MPH)	Direction	Pressure
22:22:00					

INCIDENT/ RELEASE FACTORS

Date report prepared: 8/23/2010 12:17:03 PM

Page 2 of 6

RIST



What are they?

- Seven member teams from the hazmat community
- Represent the spectrum of hazmat response
- Experienced hazmat responders



Where are they?

NATIONAL
**Hazardous
Materials**
FUSION CENTER



LEGEND

C	Central Region	◆	Hazmat Offices
E	Eastern Region	●	Pipeline Offices
S	Southern Region	★	Headquarters
SW	Southwest Region	■	Training Center
W	Western Region		

RIST in
each of the
PHMSA regions

Mission

- Deploy to hazmat incidents of interest
- Gather information
- Analyze the data
- Develop lessons learned and smart practices report
- Forward report to NHMFC for review and packaging
- Develop and disseminate reports and training materials



RIST Survey Topics



Transportation

- Gasoline
- Styrene Monomer Solution
- Hydrofluoric Acid
- Ethanol & Ethanol Blends
- Asphalt
- Hydrochloric Acid
- Ammonia Nitrate
- Acrylic Acid
- Heating Oil



Fixed Facility

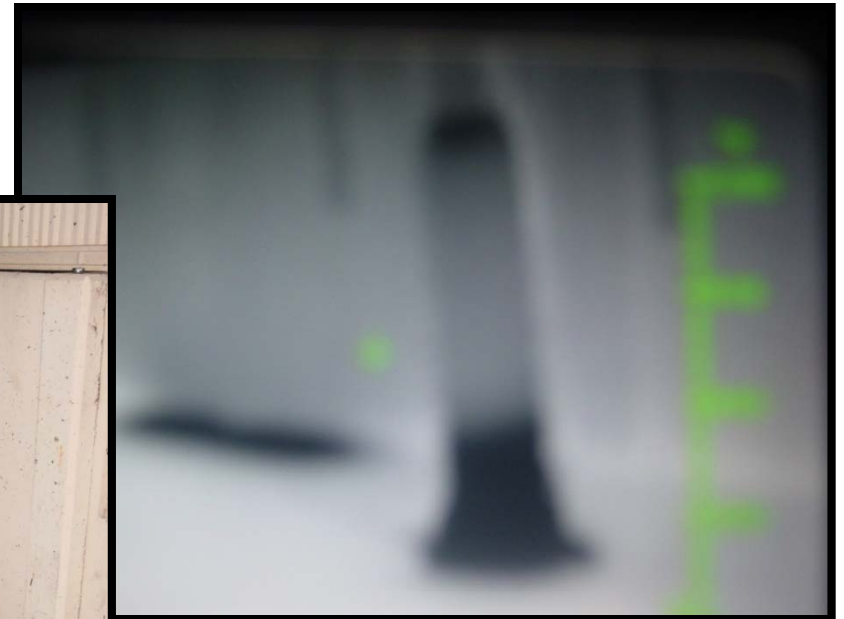
- Anhydrous Hydrochloric Acid
- Hydrogen
- Ammonia
- Gasoline

Other

- Chlorine
- Carbon Monoxide
- Aluminum Sulfide

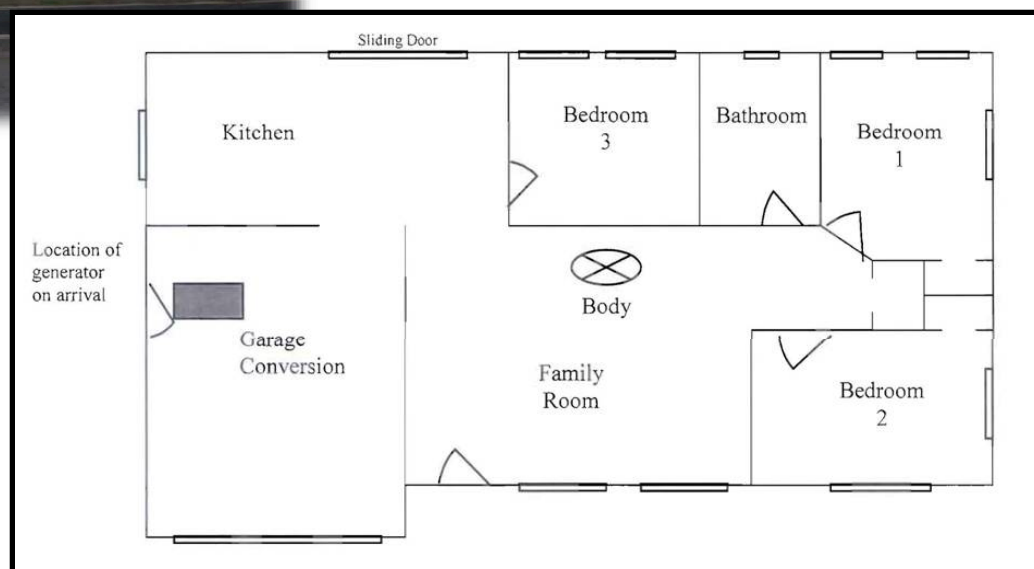
Chlorine Training Package

NATIONAL
**Hazardous
Materials**
FUSION CENTER

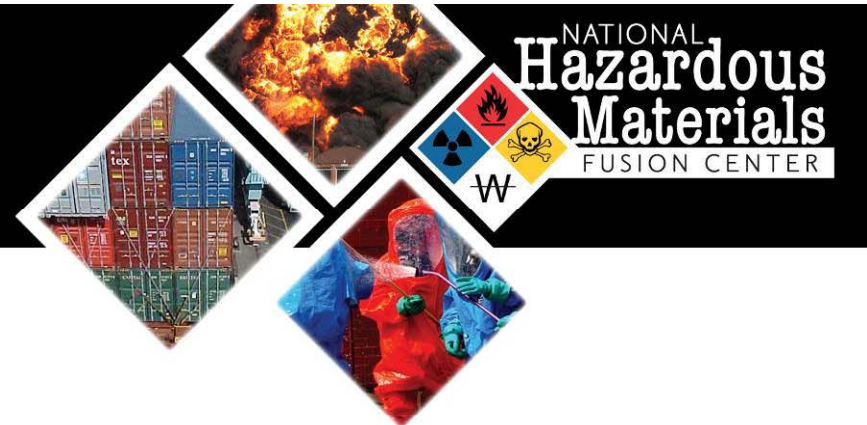


CO Training Package

NATIONAL
**Hazardous
Materials**
FUSION CENTER



HCI Training Package



Training & Planning



Peter DaSilva / Special to The Chronicle



Rural Emergency Response Planning Project

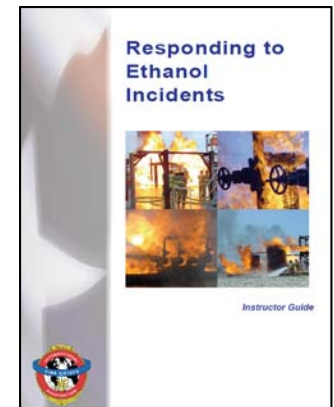
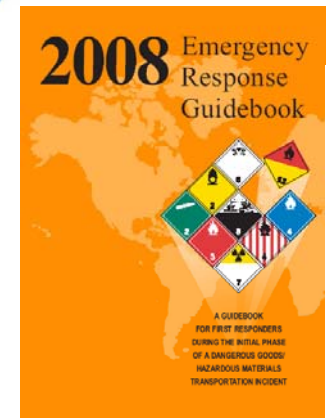
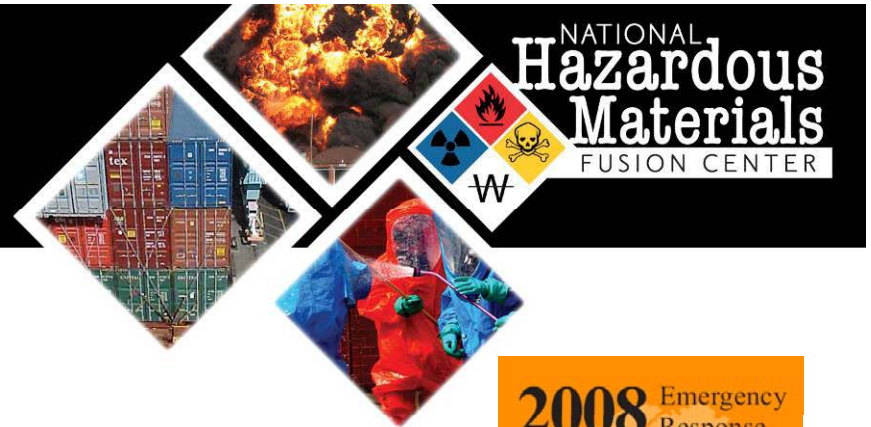


- Railroad and rural area focus
- Better understand rural and remote issues and help improve rural hazmat planning and response
 - Allegany County, Maryland
 - Allen Parish, Louisiana
 - Franklin County, Massachusetts

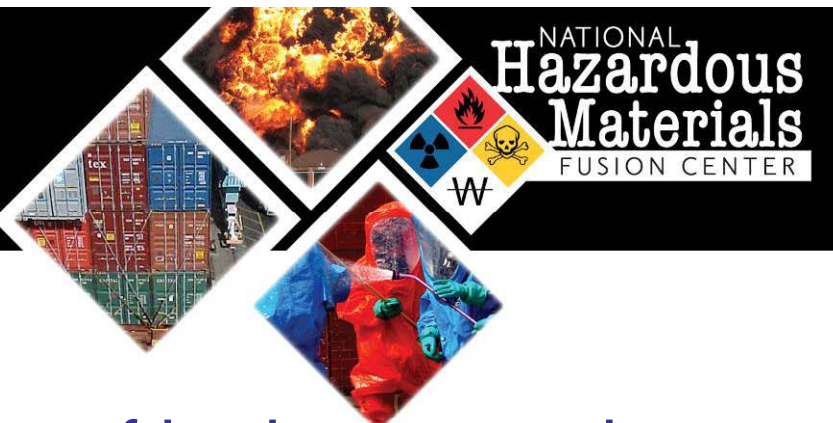


Training Projects

- ERG Video
- Ethanol: Response Considerations Training Package and Video
- Biodiesel: Response Considerations Training Package and Video



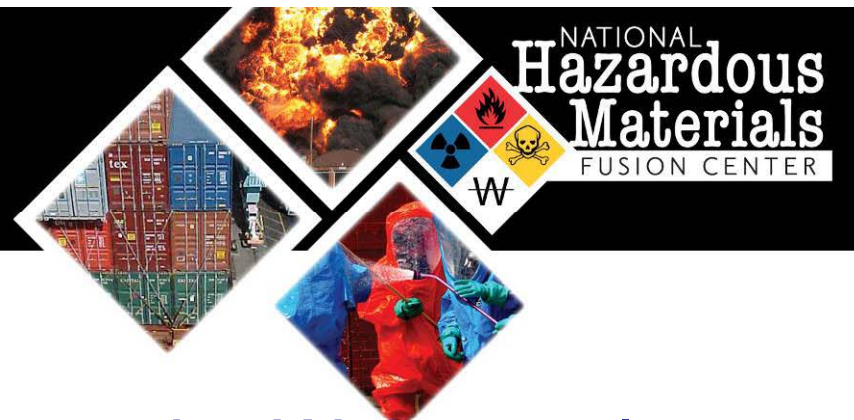
Hydrogen Fuels Training & Education Research Project



- Determine the current status of hydrogen and hydrogen fuel cell knowledge and training in the emergency services and identify gaps
- Focus on volunteer and combination departments with limited resources
- Prove the concept of a distance learning approach to improve hazmat training utilizing hydrogen and hydrogen fuel cell technology training



Year-Three Activities



- Expand, refine, and roll-out the Web portal system to the broader audience
- Continue RIST activities
- Continue to identify and network hazmat teams and begin capability determinations
- Continue to build from the bottom-up and reflect the needs of the national hazmat response community



Contact Information



Tom Wells
703.537.4846

Operations
twells@iafc.org

Amber Wells
703.880.5121

RIST Coordinator
awells@iafc.org

Kelly Wolfe
703.273.9735

Data Manager
kwolfe@iafc.org

Elena Slavinsky
703.273.9835

Data Analyst
eslavinsky@iafc.org

Veronique Nagle
703.537.4825

EL/Hydrogen
vnagle@iafc.org



Contact Information



Joe Silvestris
407-468-0207

Southern RIST Leader
jsilvestris@iafc.org

Warren Ritter
336-451-0054

Southern RIST Leader
jritter@iafc.org



Contact Information



National Hazardous Materials Fusion Center

www.hazmatfc.com

Email – [hazmatfusion@iafc.org](mailto: hazmatfusion@iafc.org)

IAFC – www.iafc.org/hazmatfusion



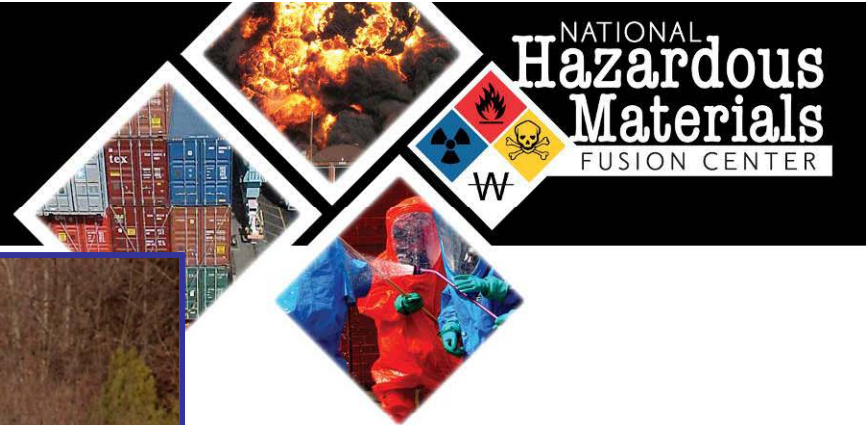
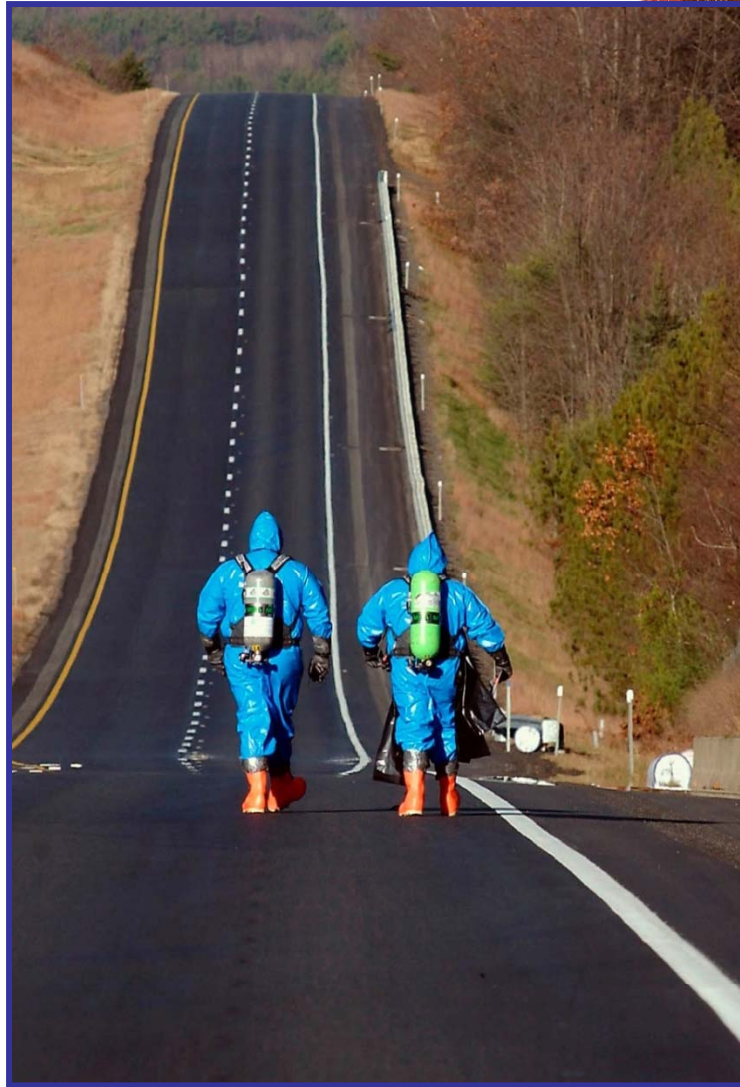
The Future

You

Are

Not

Alone!



NATIONAL
**Hazardous
Materials**
FUSION CENTER



U.S. Department
of Transportation
**Pipeline and
Hazardous Materials
Safety Administration**

