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 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 Support 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.

PHMSA seeks comments for 2012 ERG

July Hazmat Fusion Center E-update

ANNOUNCEMENTS

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

Hazmat Incident Reporting System

- Create / Edit Hazmat Incident Reports

Fusion Center Calendar of Events

- 7/28/2009 8:00 AM: National Hazardous Materials Fusion Center East Symposium, Philadelphia, PA
- 11/4/2009 8:00 AM: National Hazardous Materials Fusion Center Western Symposium, Denver, CO

Beta Testers Discussion Board

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

Suggestons, Comments or Questions?

- Silva Steven
  - stsliva@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
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<tr>
<th>Date / Time</th>
<th>Incident Name</th>
<th>Material</th>
<th>Status</th>
<th>Training Exercise</th>
<th>Actions</th>
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Incident Report Form

Incident Summary

* Incident Name: CHLORINE RELEASE ROUTE 32 SOUTH
* Local Incident #: 123456-09
* Incident Start Date: 10/16/2009
* 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
Zip Code: 21784

Latitude/Longitude: [Fields]

Type of incident:

(Select as many as apply)

- [ ] Fire
- [ ] Investigation
- [x] Standby
- [ ] Release
- [ ] Radiological
- [ ] Explosion with Fire
- [ ] Other: [Field]

Form Navigation Bar
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
### Printable Form

#### HAZMAT INCIDENT REPORT

**UNITS:** DHZ UNIT  
**DEPARTMENT:** DHZ

**INCIDENT SUMMARY INFORMATION**

- **INCIDENT DATE:** 06/28/2009  
- **INCIDENT NUMBER:** 10002  
- **INCIDENT NAME:** unknown  
- **INJURY/LIMITATION:** unknown  
- **ADDRESS:** unknown water treatment plant Fairfax FAIRFAX 22030 Virginia

**TYPE OF INCIDENT:**

- [ ] Standby  
- [ ] Investigation  
- [ ] Fire  
- [ ] Release  
- [ ] Explosion  
- [ ] Explosion with fire  
- [ ] Radiological

**ISSUES FOR INCIDENT:**

- [ ] Weather  
- [ ] Impact on transportation corridors  
- [ ] Impact on environment  
- [ ] Injuries  
- [ ] 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:** Chlordane  
- **CHEMICAL NAME:** Chlorine  
- **UNITS:**  
- **CONTAINER TYPE:** Fixed container  
- **Hazard Class:**  
- **Amount at Risk:**  
- **AMOUNT RELEASED:**  
- **LEVEL OF RELEASE:**  
- **Height of Release:**  
- **Substance Behaviour:**  
- **HOW WAS MATERIAL IDENTIFIED:**  
- **HOW LONG TO IDENTIFY THE MATERIAL:**  
- **SUBSTANCE WAS WASTE:**  
- **PROBLEM IDENTIFYING MATERIAL:**  
- **TREATMENT RELEASE:**

- **MATERIAL NAME:** Unknown  
- **CHEMICAL NAME:** Unknown material

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**LOCATION AND ENVIRONMENT**

- **GOVERNMENT JURISDICTION:** Municipal  
- **PROPERTY TYPE:** Tunnel  
- **AREA Type:** Suburban  
- **TERRAIN:** Flat  
- **LIGHT CONDITIONS:** Daytime  
- **CONFINED SPACE:** This incident involved a confined space  
- **Altitude WAS A FACTOR IN RELEASE:**  
- **WEATHER**

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<th>Temp (°F)</th>
<th>Humidity (%)</th>
<th>Wind Speed (MPH)</th>
<th>Direction</th>
<th>Pressure</th>
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<td>23</td>
<td>22</td>
<td></td>
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</table>

**INCIDENT RELEASE FACTORS**

Data report prepared: 08/23/2010 12:17:03 PM
What are they?

- Seven member teams from the hazmat community
- Represent the spectrum of hazmat response
- Experienced hazmat responders
Where are they?

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
HCl Training Package
Training & Planning
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
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EL/Hydrogen
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The Future
You
Are
Not
Alone!