



NATIONAL TRANSPORTATION SAFETY BOARD - **Public Hearing**

Conrail Derailment in Paulsboro, NJ with Vinyl Chloride Release

GROUP	5
EXHIBIT	
AJ	

Agency / Organization

National Fire Protection Association (NFPA)

Title

**NFPA Overview of Codes
and Standards Presentation**



Overview of NFPA:
Codes and Standards
Hazardous Materials and
Response

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What is the NFPA?

- Our mission is to reduce the worldwide burden of fire and other hazards on the quality of life by providing and advocating
 - Consensus Codes & Standards,
 - Research,
 - Training; and
 - Education.



What is the NFPA?

- National Fire Protection Association
- Founded in Boston in 1896
- Private not-for-profit organization
- Voluntary codes and standards organization
- American National Standards Institute (ANSI)- Accredited Standards Developer
- Over 70,000 members in 120 nations





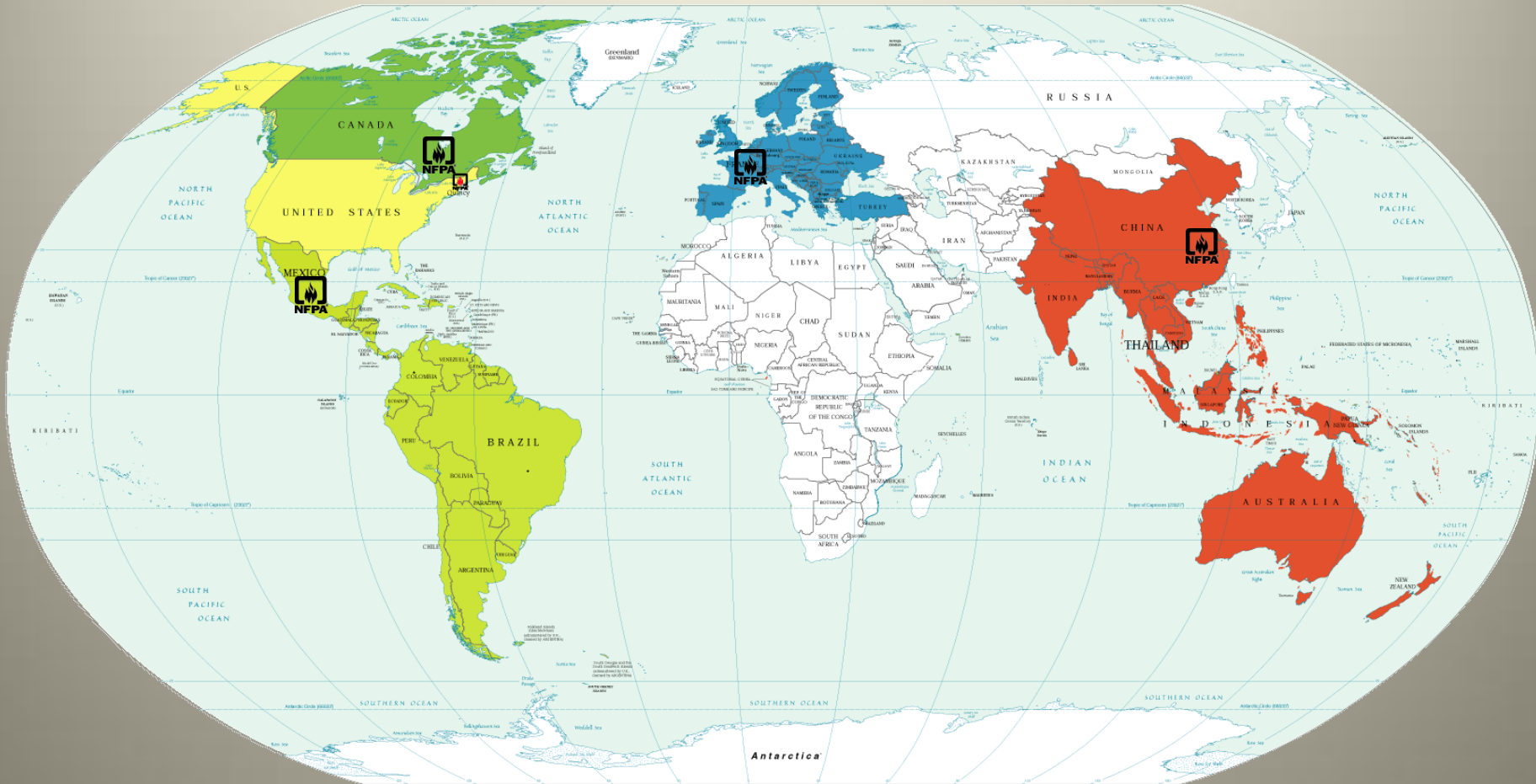
What is NFPA?

- Staff ~ 300
- Headquarters in Quincy, MA
- Washington DC Office
- 8 Regional U.S. Offices
- 4 International Offices





International Field Offices





Who Adopts and Uses NFPA Codes & Standards?

U.S. Federal Government

- ◆ HHS - Health and Human Services Admin.
- ◆ OSHA - Occupational Safety & Health Admin.
- ◆ GSA - General Services Administration
- ◆ DOD - Department of Defense
- ◆ FAA - Federal Aviation Administration



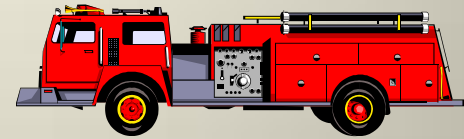
They're Adopted & Used Everywhere in the U.S. and Internationally

- Countries, States, Counties, Cities, and Towns
- Architects, Engineers, and Designers
- Building Code Organizations
- Insurance
- Industry





Codes & Standards Areas



- Emergency Operations and Preparedness
- Personal Protective Clothing and Equipment
- Fire & Life Safety in the Built Environment
- Hazardous Materials and Processes
- Building Construction, Protection & Safety
- Premises Security





NFPA 472 –Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents

- July 1985 NFPA Standards Council approves new project on Hazardous Materials Response Personnel.
- Scope revised/expanded several times due to the evolving nature and threat posed to First Responders due to criminal activity
- Latest Version is NFPA 472-2013
<http://www.nfpa.org/472>



NFPA 472 –Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents

NFPA CODES & STANDARDS
CAN BE VIEWED AT NO COST
www.nfpa.org/freeaccess





NFPA 472 –Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents-cont.

- Awareness Level (Chapter 4)-recognize (NFPA 704,MSDS, DOT Emergency Response Guidebook); protect self; call for trained personnel; secure area
- Operations Level (Chapter 5)-Awareness level plus; determine scope of problem and plan for potential outcomes; implement Incident Command System (NIMS)
- Hazardous Materials Technicians (Chapter 6)- Awareness, Operations plus Specialized Training



NFPA 472 –Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents-cont.

- Incident Commander (Chapter 8)-person responsible for all incident activities including strategies and tactics
- Awareness and Operations Level plus- capable of analyze incident to determine complexity and potential outcomes; trained in government OSHA regulations
- Specialist Employees (Chapter 9)
- Hazardous Materials Officer (Chapter 10)



NFPA 472 –Competence of Responders to Hazardous Materials/Weapons of Mass Destruction Incidents-cont.

- Hazardous Materials Technicians with a Tank Car Specialty (Chapter 12); Cargo (Chapter 13)-Sets out competencies if a Hazardous Materials Response Team decides to train some of its personnel to have an in-depth knowledge of tank cars or cargo tanks



NFPA 1561, Emergency Services Incident Management System

- 2008 Edition, revision underway
- Details command structure
- Identifies incident commander authority
- Recommends an Incident Action Plan (IAP)
- States requirements for unified command
- Lists criteria for liaison officer & safety officer
- Recommended practices for planning section
- Free Access: www.nfpa.org/1561



NFPA 1620, Standard for Pre Incident Planning

- 2010 Edition under revision and due for release
- Recommends pre incident planning based on risk analysis
- Recommends consideration of physical and site considerations
- Addresses special hazards & haz mat
- Free Access: www.nfpa.org/1620



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