

*How tomorrow moves*

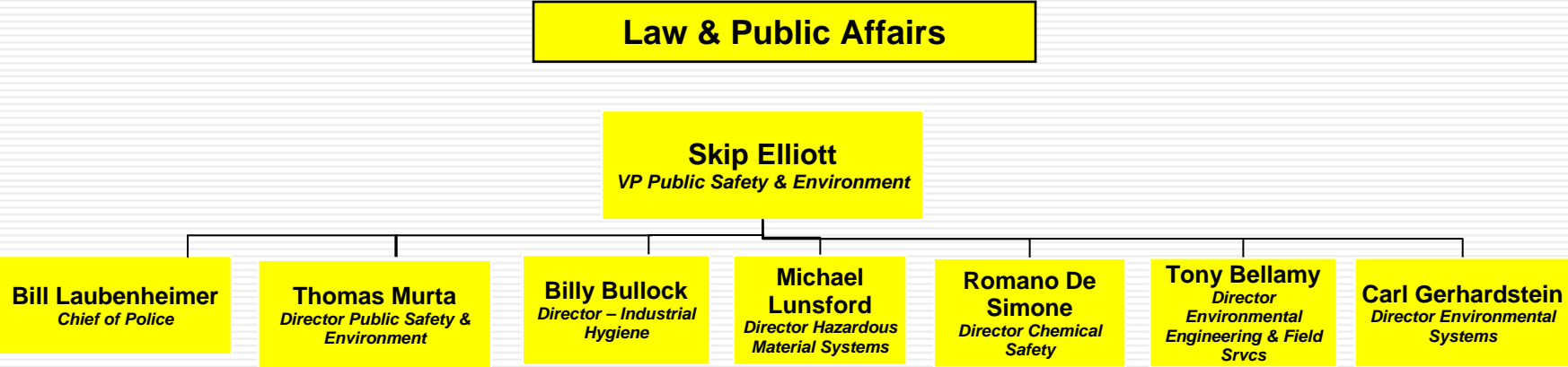


# CSX Transportation, Inc

# CSX Transportation Facts

- Largest railroad east of the Mississippi
- 21,000 route miles of track
- 1,100 trains per day
- 4,000 locomotives
- 235,000 freight cars on line each day
- Serve the following:
  - 45 automobile distribution centers
  - 165 bulk intermodal and truck transfer terminals
  - 125 coal mines and 105 coal-fired power plants

# Public Safety and Environment

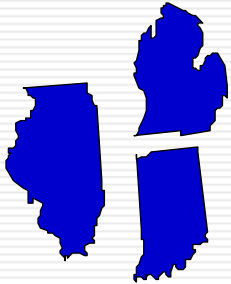


# Hazardous Materials and Chemical Safety

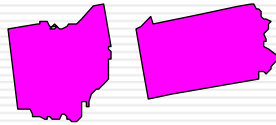
- Respond to and abate hazardous material emergencies
- Emergency pre-planning and EMA liaison
- Training for public agency emergency responders
- Training for CSX employees and customers
- New business review and hazard evaluation
- Regulatory type inspections and compliance reviews

# CSXT Hazardous Material Systems Field Services Managers

Bill Caton



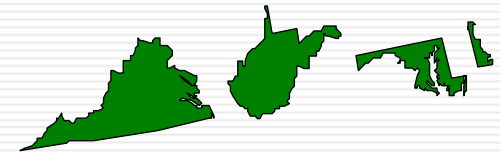
Tim Mannas



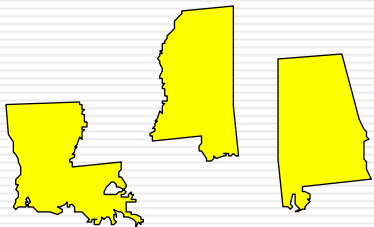
Mike Bethge



Mike Austin



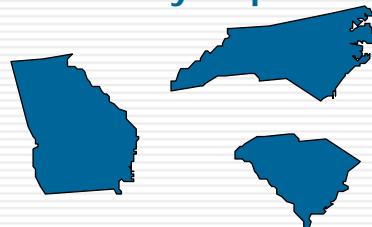
Bill Gleason



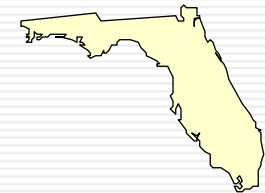
Jim Briski



Harry Hopes



Mike Lunsford

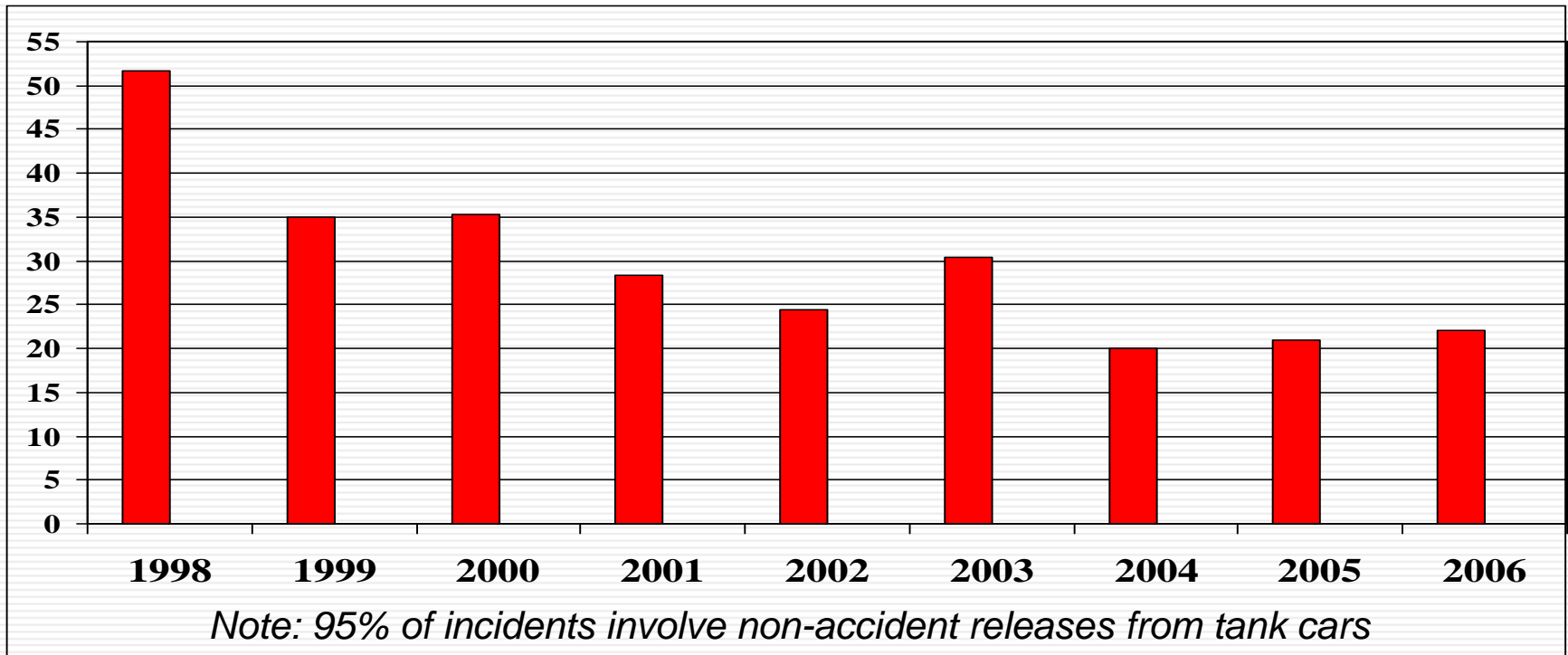


# Hazardous Material Safety

- 99.996 percent of rail hazmat shipments reached their final destination without a release caused by an accident.
- Overall hazmat accident rates have fallen 87 percent since 1980 and 34 percent since 1990.
- In 2006, CSXT transported approximately 350,000 carloads of hazardous materials, of which only 10 spilled any contents due to derailment.
- Railroads are "Common Carriers"

# CSXT Incident Rate

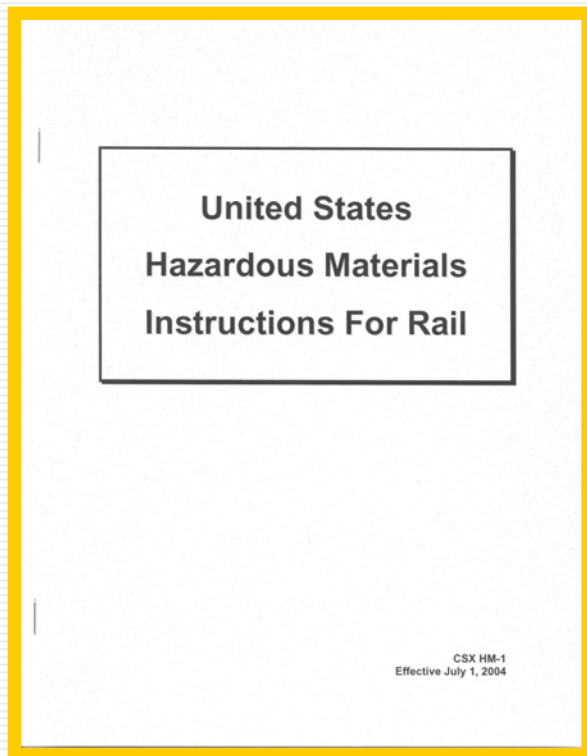
## Hazmat Releases Per 100,000 Carloads



# OT-55 Recommended Railroad Operating Practices

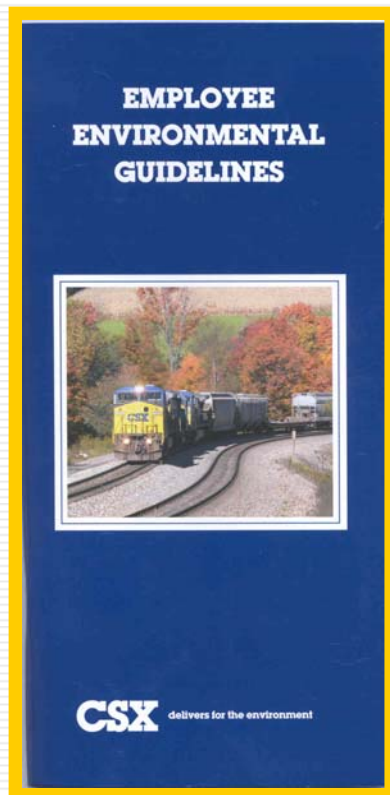
- **Railroad Industry, Self Initiated Pro-active Operating Practices**
  - **Key Routes & Key Trains**
  - **Yard Operations**
  - **TransCAER & CHEMTREC participation**
  - **Storage in Transit**
  - **Time Sensitive Shipments**

# Hazmat Rules for Operating Employees



Adopted by all Class 1  
Railroads

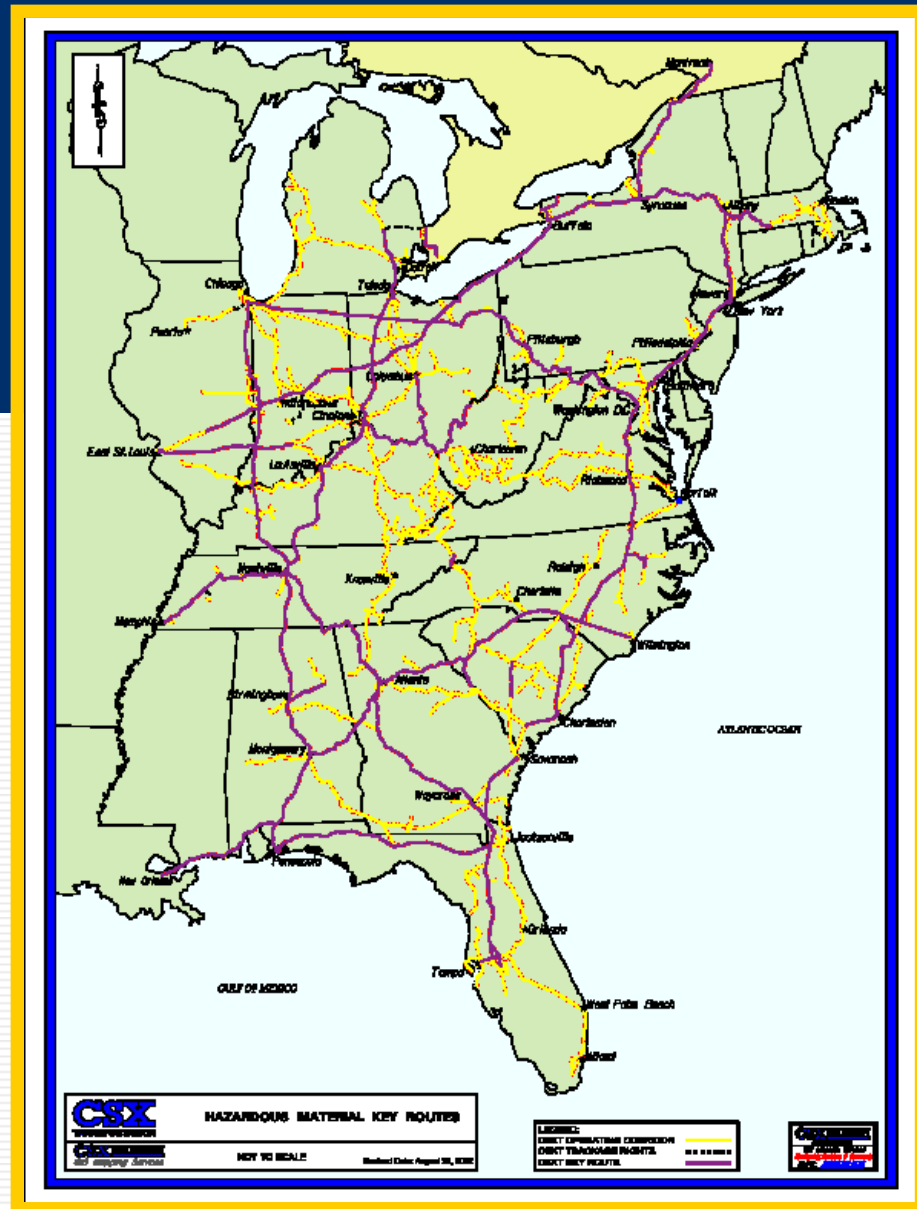
# Environmental Guidance for Employees



- Handy reference for doing the “Right Thing”
- Distributed to Transportation, Mechanical & Engineering Personnel

# Key Routes

- Wayside detectors spacing
- Increased Inspection Intervals



# Contractor & Consultant Reviews

- **Independent Consultant**
  - **Auditing**
    - **Financial**
    - **Operation**
    - **Safety**
    - **Training**
  - **Process Improvement**
  - **Pre-selection Reviews**
  - **Approximately 15 reviews per year**

# Top Ten Hazardous Materials Transported by Rail



• <b>Ethanol</b>	<b>Class 3</b>
• Sodium Hydroxide	Class 8
• Liquefied Petroleum Gas	Class 2.1
• Molten Sulfur	Class 9
• Sulfuric Acid	Class 8
• Anhydrous Ammonia	Class 2.2
• Chlorine	Class 2.3
• Asphalt	Class 9
• Ammonium Nitrate Fertilizer	Class 5.1
• Ethylene Glycol	Class 9

# Incident Management Preplanning

- Internal Crisis Management Exercises
- External Crisis Management Exercises
- Emergency Responder Training
- CSX HAZMAT Sentinel Program
- Preferred Response Contractor Program
- RATS Environmental Assessment Teams
- TestNET Air monitoring Program

# Incident Management Preplanning

- Transportation Emergency Response Plans for terminals and line-of-road
- Community Awareness Emergency Planning Guides
- Annual planning/training meetings with all support groups
- Incident recovery planning and training
- Staged equipment and materials

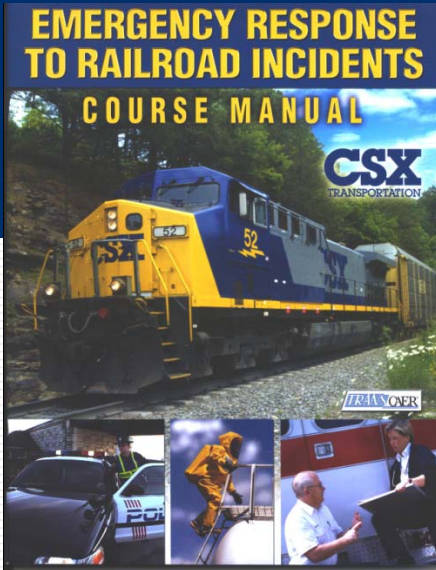
# Network Operating Workstation

The screenshot displays the Network Operating Workstation (NOW 1.0) interface. The main window shows a map of the Eastern United States with a complex rail network. The map is overlaid with various colored lines and markers, including blue lines for main routes and green circles for specific train locations. The interface includes a menu bar at the top with options: Alerts, View, Train, Terminal, Yard, Car, Locomotive, Customer, Public Safety, Window, and Help. On the right side, there is a control panel with several sections:

- Security Trains Select:** A list of radio buttons for selecting train types: No Trains, Alert Trains, Key Trains, Military Trains, RSS Trains, RAGES Trains, and All Public Safety Trains (which is selected).
- Alert Trains STCC Category Filter:** A dropdown menu currently set to "All Alert Trains".
- Options:** A checkbox labeled "Only Show Hazmat Trains" which is checked.
- Totals:** A section showing "Total Trains Found: 74" with a green circle icon.

At the bottom right, there is a smaller map of the United States and three buttons: "Standard View", "My Profile", and "My Alerts". The interface also features navigation arrows (North, South, West, East) around the main map area.

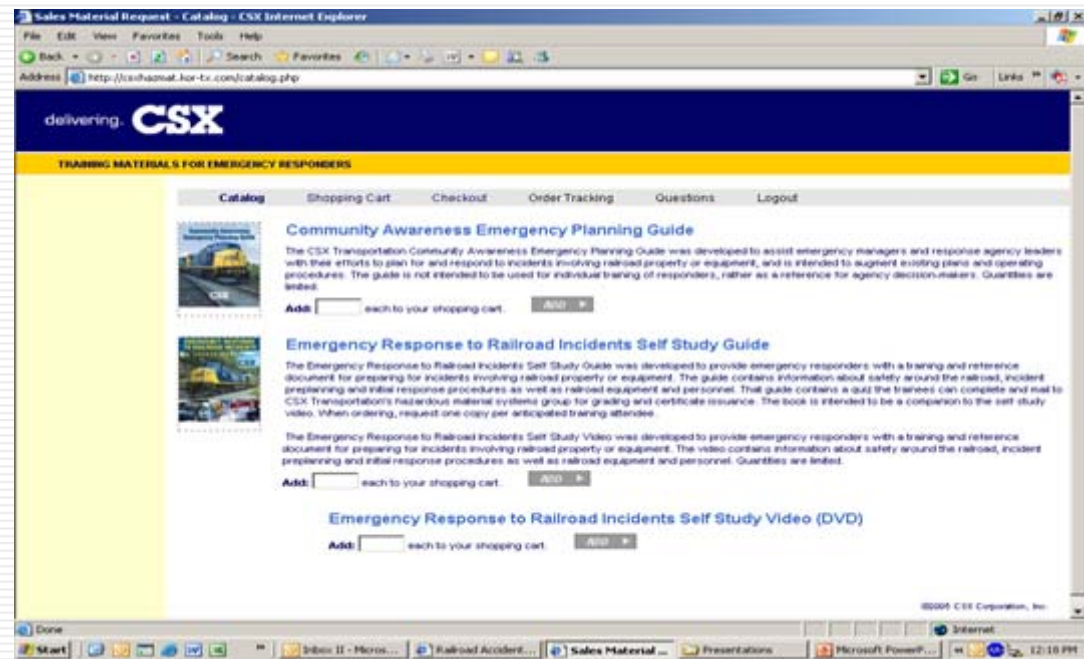
# Training for Emergency Responders



Award winning video & workbook based self-training program

<http://csxhazmat.kor-tx.com>

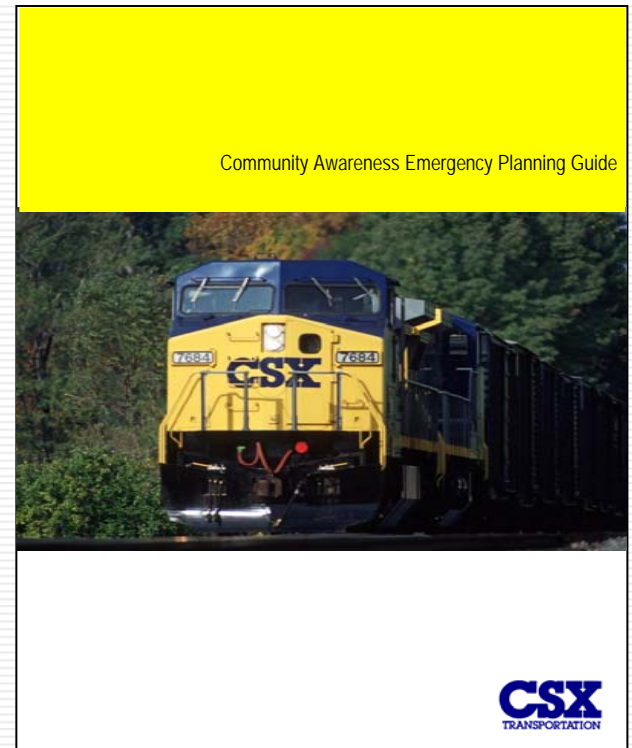
Over 70,000 books and videos distributed



# Planning Guide for Communities & Emergency Responders

- Over 13,000 distributed
- Fire
- Police
- Emergency Management
- Homeland Security
- Distributed every two years

<http://.csxhazmat.kor-tx.com>



# Challenges – Present and Future

- Urban Hazmat Re-routing Initiatives
- New Tank Car Designs
- Security Initiatives
- Enhancing Responder Training
- Ethanol Production Surge
- Changing Population Demographic