The Impact of Rail HM Transport

- 18,800 of the 34,600 “places” in the continental US reside near rail lines
- All but 2 state capitals have rail lines operating in their boundaries
- 444 of the 448 continental US urbanized areas with populations greater than 50,000 intersect rail lines
- Railroads move almost 2 Million HM shipments annually
Have We Made a Change?

<table>
<thead>
<tr>
<th>Year</th>
<th>Incidents</th>
<th>Derailments</th>
<th>Fatalities</th>
<th>Injuries</th>
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<td>2009</td>
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Train Accident – Rockford, IL June 20, 2009
<table>
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<tr>
<th>Year</th>
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<th>OTMA</th>
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</thead>
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<td>333</td>
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<tr>
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<td>444</td>
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<tr>
<td>2009</td>
<td>641</td>
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</table>

NAR and OTMA reports from 2004-2009.

Non-Accident Release (NAR)
One Time Movement Approval (OTMA)
Rule Requirements

- Collect data
- Analyze route safety and security
- Analyze alternate routes
- Consult with state, local, & tribal officials
- Choose safest/most secure route
- Restrict disclosure of information
- Reduce storage/delays in transit
- Perform security inspections
- Separate appeal process
Rail Routing

Select the best route considering both safety and security concerns
Coupling Speed Program

- The project gathers data to gain a better understanding of forces induced into rail tank cars in yard operations (classification and handling).
- Over-speed impacts are addressed with car owner and railroad.
Emergency Escape Breathing Requirements

- Proposed Rulemaking
  Issued October
- Crews on trains carrying toxic chemicals and asphyxiates
- Proposal:
  - Hooded design
  - Atmosphere-supplying
  - Escape device
  - 15 minutes
- Probably stored on-board locomotive
Highway Transport

Thank You

Still have Question?

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