International Summit on Agricultural and Food Transportation

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To protect against the risks to life, property, and the environment that are inherent in the transportation of hazardous material in intrastate, interstate, and foreign commerce.
FMCSA’s Hazardous Materials (HM) Division

• Develop Policies and Procedures for Conducting:
  – Hazardous Materials Carrier Compliance Activities
  – Hazardous Materials Shipper Compliance Reviews
  – Cargo Tank Facility Compliance Reviews
  – Security Contact Reviews
  – HM Roadside Inspections

• Works with DOT Agencies and HM Industry
• Conduct HM Related Research and Analysis
Hazardous Materials Safety Permit (HMSP)

- Final Rule effective January 1, 2005
Hazardous Materials Safety Permit (HMSP)
49 CFR Part 385 Subpart E

- FMCSA issuing HMSP since January 3, 2005
  - HMSP Qualifying Criteria:
    - Satisfactory Safety Rating
    - Satisfactory Security Program
    - Crash Rate
    - Driver, Vehicle and Hazardous Materials out-of-service percentage
    - Registration with the PHMSA
    - Insurance/Financial requirements
# TOP 3 DRIVER, VEHICLE, HAZMAT OOS VIOLATIONS (2008†)

<table>
<thead>
<tr>
<th>TOP 3 DRIVER, VEHICLE, HAZMAT OOS VIOLATIONS (2008†)</th>
<th>All Domiciles</th>
<th>U.S.</th>
<th>Mexico</th>
<th>Canada</th>
</tr>
</thead>
<tbody>
<tr>
<td>395.3a2 - 15 Hour Rule Violation</td>
<td>15.2%</td>
<td>14.9%</td>
<td>6.9%</td>
<td>28.1%</td>
</tr>
<tr>
<td>395.8k2 – Driver Failing To Retain Previous 7 Days Logs</td>
<td>14.1%</td>
<td>14.3%</td>
<td>8.9%</td>
<td>8.3%</td>
</tr>
<tr>
<td>395.8a - No Drivers Record Of Duty Status</td>
<td>12.9%</td>
<td>13.1%</td>
<td>15.4%</td>
<td>4.9%</td>
</tr>
<tr>
<td>393.47e - Clamp/Roto Type Brake(s) Out-Of-Adjustment</td>
<td>7.9%</td>
<td>7.7%</td>
<td>11.6%</td>
<td>4.0%</td>
</tr>
<tr>
<td>393.48a - Inoperative/Defective Brakes</td>
<td>5.3%</td>
<td>5.4%</td>
<td>4.2%</td>
<td>2.9%</td>
</tr>
<tr>
<td>396.3a1 - Inspection/Repair And Maintenance</td>
<td>5.2%</td>
<td>5.2%</td>
<td>5.7%</td>
<td>4.9%</td>
</tr>
<tr>
<td>177.834a - Package Not Secure In Vehicle</td>
<td>31.2%</td>
<td>30.9%</td>
<td>40.7%</td>
<td>36.0%</td>
</tr>
<tr>
<td>177.817a – No Shipping Papers (Carrier)</td>
<td>14.2%</td>
<td>14.5%</td>
<td>7.3%</td>
<td>4.8%</td>
</tr>
<tr>
<td>172.504a - Vehicle Not Placarded As Required</td>
<td>11.5%</td>
<td>11.4%</td>
<td>4.1%</td>
<td>22.4%</td>
</tr>
</tbody>
</table>
Anhydrous Ammonia (NH$_3$)

- NH$_3$ Transportation
- Listed on MCS-150B
- Requires HM Safety Permit
- Insurance Requirement
Between 2001 and 2007, U.S. fuel ethanol production capacity grew 220% from 1.9 billion to 6.1 billion gallons.
Cargo Tank Program

• Responsibility
• Background
• HM Cargo Tank Research
Cargo Tank Population

• There are over:
  – 19,000 motor carriers that own or lease HM Cargo Tanks
  – 81,000 HM Cargo Tank Trucks
  – 163,000 HM Cargo Tank Trailers

• What does this means for us?
• Leaks
• Seal degradation
• Site Glass Problems
When it does not go well...
Cargo Tank Rollover Outreach

- Rollovers accounted for 42 percent of injuries from single vehicle large truck crashes between 2001 and 2005.
- Fifty-two percent of truck occupant fatalities involve a rollover crash.
- While rollovers account for twenty-four percent of all HM crashes, they account for seventy-five percent of all HM spills.
- FMCSA is in the process of creating an outreach tool to provide to industry to minimize cargo tank rollovers.
Sanitary Food Transportation Act of 2005

Requires the Secretary of DOT, in consultation with HHS and USDA, to establish procedures for transportation safety inspections to identify suspected incidents of food contamination or adulteration.
Summary

• Roles in the transportation of Hazardous Materials (HM) requires communication.
• Hazardous Materials Safety Permit (HMSP) is needed for certain HM transported.
• HM transportation in cargo tanks and other packages must be done safely to ensure compliance.
• HM regulations change regularly and information can be obtained…
Websites & Telephone

- www.fmcsa.dot.gov
- hazmat.dot.gov

or by contacting

- FMCSA HM Division: 202-366-6121
- PHMSA HM Information Center: 1-800-467-4922
Thank You

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