North American Standard Level VI Inspection Program Update: Ensuring Safe Transportation of Radioactive Material

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### CVSA Levels of Inspections

<table>
<thead>
<tr>
<th>Level</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Level I</td>
<td>Full inspection</td>
</tr>
<tr>
<td>Level II</td>
<td>Walk Around – Driver – Vehicle</td>
</tr>
<tr>
<td>Level III</td>
<td>Driver - Paperwork</td>
</tr>
<tr>
<td>Level IV</td>
<td>Special Project – Generally focus on one item</td>
</tr>
</tbody>
</table>
CVSA Levels of Inspections

Level V
Vehicle Only

Level VI
Enhanced

Level VII
Jurisdictional Mandated
Level VI Training

- 8 basic classes/year held in various states
- Prerequisites: CVSA Level I and HAZMAT certified
- Industry attends course
- To date 130 classes/2199 attendees
- Currently 788 certified Level VI inspectors in 44 states, Puerto Rico, Canada, and federal
Level VI Training

• National instructors are volunteer and certified Level VI inspectors
• Annual review of training curriculum
• Inspector maintains certification with 8 hours of refresher training every 2 years
• Train the trainer: state representatives trained to conduct their own refresher courses to meet certification requirements
• Train the trainer course changes
Training Schedule

• Current Level VI Training Schedule
  – Scranton, Pennsylvania – October 1-4, 2012
  – Sacramento, California – October 15-18, 2012
  – Austin, TX – November 5-8, 2012
Level VI Inspection Data

- Level VI Inspection data now available from FMCSA’s Analysis & Information Online website
- Options to view national data and state by state data
- To access:
  - Go to “Roadside Inspections”
  - Select “Level VI Inspection” or “Level VI Violation” from menu on left
Level VI Inspection Results

- Reports on Level VI inspection results are published regularly. All reports are available on the CVSA website:
  1. Go to CVSA homepage, www.cvsa.org
  2. Select “Programs” at top of page
  3. Select “North American Standard Level VI Inspection Program” link
  4. Select “CVSA/WIPP Updates & Reports” link
Level VI Inspection Results

### CVSA Level VI Inspection Data for WIPP Shipments
(January 1, 2009 – December 31, 2009)

<table>
<thead>
<tr>
<th>Inspection Activity</th>
<th>Number</th>
<th>Percent</th>
<th>Level I OOS Percent</th>
<th>Level VI OOS Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Inspections</td>
<td>2,166</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With no Violations</td>
<td>2,066</td>
<td>95.38%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>With Violations</td>
<td>100</td>
<td>4.62%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Driver OOS* Rate</td>
<td>0</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
<tr>
<td>Vehicle OOS Rate</td>
<td>19</td>
<td>0.88%</td>
<td>0.65%</td>
<td>0.23%</td>
</tr>
</tbody>
</table>

### CVSA Level VI Inspection Data for Non-WIPP Shipments
(January 1, 2009 – December 31, 2009)

<table>
<thead>
<tr>
<th>Inspection Activity</th>
<th>Number</th>
<th>Percent</th>
<th>Level I OOS Percent</th>
<th>Level VI OOS Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Inspections</td>
<td>227</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>With no Violations</td>
<td>202</td>
<td>88.99%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>With Violations</td>
<td>25</td>
<td>11.01%</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Driver OOS Rate</td>
<td>0</td>
<td>0.00%</td>
<td>0.00%</td>
<td>0.00%</td>
</tr>
<tr>
<td>Vehicle OOS Rate</td>
<td>2</td>
<td>0.88%</td>
<td>0.88%</td>
<td>0.00%</td>
</tr>
</tbody>
</table>

### FMCSA Roadside Inspection Data for the Year 2009*

<table>
<thead>
<tr>
<th>Inspection Activity</th>
<th>Number</th>
<th>Percent</th>
<th>Number of Inspections</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Inspections</td>
<td>3,558,909</td>
<td>33.68%</td>
<td>223,012</td>
<td></td>
</tr>
<tr>
<td>With no Violations</td>
<td>1,198,692</td>
<td>33.68%</td>
<td>N/A</td>
<td>N/A***</td>
</tr>
<tr>
<td>With Violations</td>
<td>2,360,217</td>
<td>66.32%</td>
<td>N/A</td>
<td>N/A</td>
</tr>
<tr>
<td>Driver OOS** Rate</td>
<td>192,006</td>
<td>5.55%</td>
<td>OOS Rate</td>
<td>10,212</td>
</tr>
<tr>
<td>Vehicle OOS Rate</td>
<td>507,867</td>
<td>71.74%</td>
<td></td>
<td>4.58%</td>
</tr>
</tbody>
</table>

* The number of inspections is a combination of some Driver, some Vehicle and some combination of both. The OOS Rates are for only those types of inspections.

**Data Source: FMCSA Motor Carrier Management Information System (MCMIS) August 27, 2010 data snapshot

**OOS = Out-of-Service

***N/A = Data not available
Level VI Program Peer Reviews

- Purpose is to identify and share best practices
- Peer Review Activities
  - Teams selected from CVSA Level VI Program Committee, Council of State Governments Northeast and Midwest, SSEB, WGA, DOE, and WIPP carriers
  - 8 states visited: South Carolina, Tennessee, Illinois, Colorado, New Mexico (twice), Washington, Michigan, Idaho
  - Initial report published in January 2007 (available on CVSA website)
  - Two additional visits in 2011 - updated report available May 2012
Level VI Program Outreach

• **Goals**
  – Educate public on successful Level VI Program
  – Provide information on shipments of transuranic waste and HRCQ

• **Tools**
  ▪ Display Unit
  ▪ Presentations
  ▪ Publications
  ▪ Website

• **Since 2005 over 48 events (conferences, workshops, meetings) attended**
Public Outreach Program Schedule

- Contractors Transportation Management Association (CTMA)
  June 4-8, 2012 – Reno, Nevada
- National Association of County Officials (NACO)
  July 13-17, 2012 – Pittsburgh, Pennsylvania
- National Conference of State Legislatures (NCSL)
  August 6-9, 2012 – Chicago, Illinois
Level VI Inspection Program Meetings

- Meets twice a year
  - CVSA Spring Workshop
  - CVSA Annual Conference
- Carlisle Smith - Chair
  Bill Reese - Vice Chair
- Vote on major changes to Level VI Inspection and Out-of-Service Criteria
- Focus on WIPP and HRCQ shipments in U.S.
Significant Accomplishments

- **ANSI N14.36 Standard Development**
  - Four year project
  - Standard for methods of radiation and contamination measurement in packaging and transportation of radioactive material

- **Safety and Security Technologies Study**
  - Examination of current and emerging technologies
  - Applicable areas
    - Inspection
    - Security
    - Electronic Shipping Papers
    - Shipping & Tracking
    - Dose Measurement & Isotope Quantification
QUESTIONS?

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