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

Larry Stern
Director, CVSA Level VI Program
Email: larrys@cvsa.org
Phone: 301-830-6147
CVSA Levels of Inspections

Level I
Full inspection

Level II
Walk Around – Driver – Vehicle

Level III
Driver - Paperwork

Level IV
Special Project – Generally focus on one item
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
• 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>0.00%</td>
<td>0.00%</td>
</tr>
<tr>
<td>With Violations</td>
<td>100</td>
<td>4.62%</td>
<td>0.00%</td>
<td>0.00%</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>0.00%</td>
<td>0.00%</td>
</tr>
<tr>
<td>With Violations</td>
<td>25</td>
<td>11.01%</td>
<td>0.00%</td>
<td>0.00%</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>Inspection Activity</th>
<th>Number</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Inspections</td>
<td>3,558,909</td>
<td></td>
<td>Number of Inspections</td>
<td>223,012</td>
<td></td>
</tr>
<tr>
<td>With no Violations</td>
<td>1,198,692</td>
<td>33.68%</td>
<td>With no Violations</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>With Violations</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>
<td>4.58%</td>
</tr>
<tr>
<td>Vehicle OOS Rate</td>
<td>502,867</td>
<td>21.24%</td>
<td></td>
<td></td>
<td></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.


**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
  ▪ Publications
  ▪ Presentations
  ▪ 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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Director, CVSA Level VI Program
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