

DOT Unveils New Tools to Help Communities Keep Pedestrians Safe

The U.S. Department of Transportation has a new set of tools to help communities combat the rising number of pedestrian deaths that have occurred over the last two years. According to National Highway Traffic Safety Administration (NHTSA) data, 4,432 pedestrians were killed in traffic crashes in 2011 – an 8 percent increase since 2009; three out of four pedestrian deaths occurred in urban areas; and 70 percent of those killed were at non-intersections. In addition, 70 percent of deaths occurred at night and many involved alcohol. Since 2009, Federal Highway Administration (FHWA) has committed more than \$3.8 billion to more than 11,000 projects that make it safer for pedestrians and bicyclists. Both the NHTSA and the FHWA have launched a one-stop shop website www.nhtsa.gov/everyoneisapedestrian with safety tips and resources to improve pedestrian safety. These resources include information for parents on teaching children about safe walking, reports on effective pedestrian projects for



state highway safety offices, and guides for community pedestrian safety advocates. Additional information on the new pedestrian data can also be found in NHTSA's [online monthly newsletter](#) featuring hot topics in auto safety – including problem identification, people at risk, and recommended practices and solutions to mitigate injury and death on our nation's roadways. Stay safe with Everyone Is A Pedestrian.

New Online Courses Now Available

EnergySolutions strives to find the most innovative and cost effective training methods for our customers and we understand that classroom training is not always an option for your training needs. Online training has become a valuable alternative to traditional classroom training for many industries.

EnergySolutions is pleased to announce that we have partnered with AdvanceOnline Solutions to offer a variety of online courses not previously available to our customers. Just like our other online training courses, you can complete training from the office, home, or on the road. Your training is available 24/7 with the only requirement that you have internet access.

Please take a look at our website and check out our new list of available courses today.

<http://energysolutionstraining.advanceonline.com/default.aspx>

Third Addendum for IATA 54th DGR

Users of the 2013 International Air Transport Association's Dangerous Goods Regulations (IATA DGR) 54th edition are



asked to download and comply with Addendum III posted May 28th, 2013 and available for download at <http://www.iata.org/whatwedo/cargo/dgr/Pages/download.aspx> This third addendum includes amendments to State Variations for France, Hong Kong, Japan and Macao; and Operator Variations for Air Canada, Thomson Airways, Cargolux Italia, China Airlines, Cargolux, Condor Berlin, Thomas Cook Airlines, Adria Airways, Nippon Cargo Airlines, Swiss International, Jazz Aviation LP, Air Canada Rouge, Scoot Airlines, Virgin Australia and Air Tahiti. The operator variation summary table in Section 2.8.3.5 has also been updated throughout. Medical devices containing lithium batteries have been added to Table 2.3.A and in Section 2.3.5.9. Amendments and corrections in addendums are effective January 1, 2013.

Safe Transport of Radioactive Material by Sea Training

We have added an International Maritime Dangerous Goods Code (IMDG) class to our schedule for October 16th – 17th, 2013 at our Commerce Park office building located near the Secret City in Oak Ridge, Tennessee. This course is for those who ship Class 7 Radioactive Material internationally and/or by vessel. Our Bear Creek Processing Facility is nearby should you want to take a tour. Oak Ridge, TN is also near many great attractions in Knoxville, Pigeon Forge, Gatlinburg and the Great Smoky Mountains. We look forward to seeing you there and meeting your training needs to ship by water!



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Recent Industry Issues



We really appreciate you folks who share pictures with us! Thank you again for this picture taken with a smartphone. We all know that DOT allows placarding even when not required, but should a Class 7 Radioactive Placard be placed on a dog trailer. Yes, you read correctly! A trailer used to carry dogs, not radioactive material (at least above DOT's definition of Class 7). If you choose to placard, what other requirements must be met? Placarding in 49 CFR 172 Subpart F; Driver with CDL and HM endorsement, and Driver Training in 49 CFR Part 177; and Load Securing in 49 CFR Parts 173, 177, 393.

Recent Industry Issues (cont.)



There seems to be some debate between a placard's inner and outer borders. Can you cover the placard's outer border with duct (or "duck") tape? Is the area between the inner and outer borders part of the placard specifications? Will this placard meet all the design, size and color requirements outlined in 49 CFR 172.519? A placard's outer border is required to be drawn in when the placard is placed on a non-contrasting background per 49 CFR 172.516(c)(7).



Would a damaged tire be a condition for DOT law enforcement to put your shipment in an "out-of-service" condition? Should you put the sliding ratchet winch over or near the tires on a trailer? Load securing and load planning is stressful enough, but please ensure no tie-down straps are needed around or over the tires.

Frequently Asked Questions

Our FAQs topic this quarter is on shipping a Limited Quantity of Radioactive Material as described in 49 CFR 172.101, 173.403, 173.421, 173.422 & 173.423.

• **If you are shipping a limited quantity (LQ) of radioactive material that is also a hazardous substance (RQ) which requires shipping papers, would you need to add "Ltd Qty" or "Limited Quantity" after the basic description?**

Reference # 06-0188 & 09-0063

No. There is no need to repeat what is already in the proper shipping name.

• **Must I indicate the total quantity on shipping papers for an LQ and RQ of Class 7 material?**

Reference # 09-0063

Yes, total quantity must be indicated on the shipping paper per 49 CFR 172.202(a)(6).

• **Does an actual radiation and/or contamination survey need to be performed on a LQ package prior to each shipment?**

Reference # 09-0286

Not necessarily, but the shipper will be responsible to ensure the package will not exceed the radiation and contamination limits set forth in 49 CFR 173.421(a)(2) & (3) by using other methods like quality assurance or procedural controls.

• **Can my material meet both Class 9 and Class 7 LQ definitions?**

Reference # 06-0033

No. Class 9 by definition does not meet the definition of any other hazard class. Class 7 would be the primary and only hazard class for this shipment.

• **Can I carry on or check a Class 7 LQ package on a passenger carrying aircraft?**

Reference # 07-0180

Nothing in the US DOT HMRs prohibits an excepted package carried or checked on a passenger carrying

aircraft, but most airlines are members of the International Air Transport Association (IATA) which does not allow Class 7 material checked or carried on by passengers.

To access any DOT letters of interpretation, go to: <http://www.phmsa.dot.gov/hazmat> Then, click on: "Interpretations" Next, you can search by entering the reference number in the search box or search by the applicable regulatory section number, or search by the published date. Do not forget that you have these internet addresses (and many more) on our training class CD handout.

Latest Happenings in the Federal Register

Safety Advisory: Heating Rail Tank Cars



On July 12, 2013 (78 FR 41853), the Pipeline and Hazardous Materials Safety Administration (PHMSA) published a safety notice providing safety precautions and recom-

mended guidance for persons responsible for heating a rail tank car to prepare its hazardous material contents for unloading or trans-loading. PHMSA in coordination with the Occupational Safety and Health Administration (OSHA), the Environmental Protection Agency (EPA) and the Federal Railroad Administration (FRA) is asking shippers and facility operators to develop detailed written safe operating procedures which include necessary hazard controls to protect workers, the public, and the environment from adverse consequences. Recommendations include providing and training on chemical characteristics; the pressure created when heating material for unloading or trans-loading; how to identify, control and respond to potential consequences of deviations from standard operating procedures; active monitoring; and record keeping requirements of internal tank pressure and material temperature during the heating process. Please read this entire safety advisory notice for more details, guidance and recommendations.

Latest Happenings in the Federal Register (cont.)

CAUTION: Compressed Gas Cylinder Safety Advisory Notice

On June 05, 2013 (78 FR 33891), the Pipeline and Hazardous Materials Safety Administration (PHMSA) published a safety notice advising the public that PHMSA has confirmed the unauthorized marking, service and/or sale by the Shasta Fire Equipment, Inc. of DOT specification 3AA, 3AL, 3HT, and exemption (DOT-E) and special permit (DOT-SP) cylinders, with RIN D183 between March 6, 2013 and May 6, 2013 without performing a valid hydrostatic requalification test. As a result, any tests performed during this period were unreliable and invalid, and must be retested before it is used or transported. If you identify a cylinder that is subject to this notice, you are advised to remove it from service and submit it to an authorized retester for proper testing



DANGER: Cylinder Emergency Recall Notice

On June 06, 2013 (78 FR 34156), the Pipeline and Hazardous Materials Safety Administration (PHMSA) published an Emergency Recall Order mandating a recall of (1) all cylinders manufactured by The Lite Cylinder Company, Inc. and marked as authorized under U.S. Department of Transportation Special Permits: DOT-SP 14562, DOT-SP 13957 or DOT-SP 13105; (2) any cylinder requalified under H706; and (3) any cylinders manufactured under M5729 which include 10-pound, 20-pound, 25-pound and 33-pound cylinders. Under no circumstances should a cylinder described in this emergency recall order be filled, refilled or used for the transportation of hazardous materials. PHMSA found the affected packaging constitutes, or are causing, an imminent hazard to public safety. PHMSA urgently advises Cylinder Owners to (1) take proper safeguards in identifying and handling the affected packagings identified in this Order; and (2) use the instructions and information provided by Lite Cylinder for the safe handling, discharge and return.



Approval Process for 1.4G Consumer Fireworks

On July 16, 2013 (78 FR 42457 / HM-257), the Pipeline and Hazardous Materials Safety Administration (PHMSA) published a final rule revising the Hazardous Materials Regulations applicable to the approval of Division 1.4G consumer fireworks (UN0336 Fireworks) and establishing DOT approved fireworks certification agencies that provide an alternative to the approval process for Division 1.4G consumer fireworks. PHMSA is also reformatting the procedural regulations pertaining to certification agencies. These actions clarify regulations with respect to PHMSA's fireworks approval process and provide regulatory flexibility in seeking authorization for the transportation of Division 1.4G consumer fireworks. The effective date for this final rule is August 15, 2013.



Safety Alert: Liquid Petroleum (LP) Gas Odor Fade

On July 17, 2013 (78 FR 42818), the Pipeline and Hazardous Materials Safety Administration (PHMSA) published a safety alert to notify the public of the risks associated with the under-odorization of Liquefied Petroleum Gases (LPG). LPG is an odorless and colorless gas that under certain conditions is required to be odorized for leak detection. PHMSA is recommending all LPG transported in rail tank car tanks or cylinders be odorized in accordance with the requirements of 49 CFR 173.315(b)(1), unless odorization would be harmful in the use or further processing of the LPG, or if odorization will serve no useful purpose as a warning agent in such use or further processing.

Latest Happenings in the Federal Register (cont.)

Compressed Gas Cylinder Safety Advisory Notice

On July 17, 2013 (78 FR 42817), the Pipeline and Hazardous Materials Safety Administration (PHMSA) published a safety notice advising the public that PHMSA has determined North American Coil and Beverage Group improperly filled DOT 3A 1800 high pressure cylinders with compressed carbon dioxide gas without verifying they met the appropriate safety requirements for continued use. The DOT 3A 1800 cylinders were manufactured by Morcar in 1973 and had not been requalified since May 1996. Anyone who had their carbonated beverage service cylinders filled and provided by North American Coil and Beverage Group is advised to remove these cylinders from service immediately, contact a cylinder filler to have the cylinders depressurized, and return for appropriate retesting.

EPA Conditionally Excludes Solvent Wipes



On July 31, 2013 (78 FR 46448), the Environmental Protection Agency (EPA) published a final ruling to conditionally exclude solvent-contaminated wipes used for cleaning purposes from the definition of solid waste in 40 CFR 261.4(a)(26) for wipes

cleaned and reused, or "reusable wipes;" and the definition of hazardous waste in 40 CFR 261.4(b)(18) for discarded wipes, or "disposable wipes." The exclusions are only applicable to the solvent-contaminated wipes themselves. Generators and handlers will be responsible to ensure the wipes meet all the conditions of these exclusions, which include container standards, labeling, accumulation time limits and record keeping. Also, the exclusions are not applicable to wipes that contain listed hazardous waste other than solvents; exhibit the characteristic of toxicity, corrosivity or reactivity due to contaminants other than solvents (such as metals); or containing trichloroethylene. The effective date for this final rule is January 31, 2014.

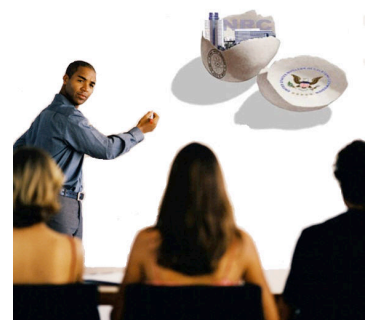


No Defect Vehicle Inspection Reporting

On August 7, 2013 (78 FR 48125), the Federal Motor Carrier Safety Administration (FMCSA) published a notice of proposed rule-making (NPRM) to rescind the requirement in 49 CFR 396.11(b) that commercial motor vehicle (CMV) drivers operating in interstate commerce (except drivers of passenger-carrying CMVs) submit and motor carriers retain driver-vehicle inspection reports (DVIR) when the driver has neither found nor been made aware of any vehicle defects or deficiencies. Drivers will still be required to perform the inspections on equipment condition, but would eliminate the need to file a "no-defect DVIR" except for operations involving passenger-carrying CMVs. This NPRM will also harmonize the pre- and post-trip vehicle inspection lists. Please submit your comments on or before October 7, 2013.

New NRC Security Training

On August 7, 2013 (78 FR 48037), the Nuclear Regulatory Commission (NRC) published a direct final ruling to standardize the frequency of required security education training for employees of NRC licensees possessing security clearances so that such training will be conducted annually (current standard in 10 CFR 95.33 is once every 3 years). This final ruling is effective on October 21, 2013.



DOT Correction to Welded Cylinders

On July 25, 2013 (78 FR 44894), the Pipeline and Hazardous Materials Safety Administration (PHMSA) published a correction to 49 CFR 178.68 "Specification for 4E Welded Aluminum Cylinders" by re-instating paragraph (i)(2) and revising the Guided Bend Test in paragraph (l)(2).

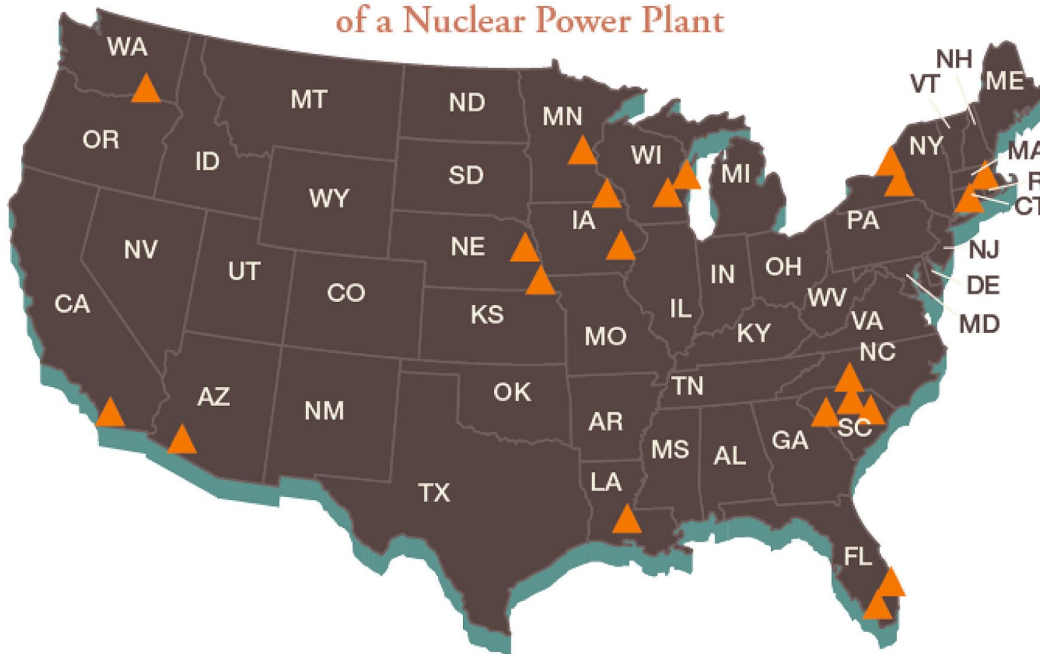
Latest Happenings in the Federal Register (cont.)

NRC Adds Tribal Nation Map to Website

On June 14, 2013 (78 FR 35746), the U.S. Nuclear Regulatory Commission (NRC) published a final rule announcing they are maintaining and providing a list of Tribal contacts and an interactive map of Tribal boundaries of participating Federally-recognized Tribes at <http://www.nrc.gov/about-nrc/state-tribal/tribal-advance-notification.html> for licensees who must provide an advance notice of shipments of irradiated reactor fuel (10 CFR 73.37) and other nuclear wastes (10 CFR 71.97) before passing through or cross-

ing the border of their reservations. Currently, 27 Tribes have expressed interest in receiving these advance notifications. Contact information can also be accessed throughout the year at <http://nrc-stp.ornl.gov/special/designee.pdf> Licensees should check these sites to determine which states and tribal nations to provide any required 10 CFR 71.97 or 73.37 advance notification. As of August 20, 2013, there are no tribes that have met the prerequisites required to receive advance notifications. This final rule is effective on June 14, 2013.

Native American Reservations and Trust Land within a 50-Mile Radius of a Nuclear Power Plant



ARIZONA

- Palo Verde
- Ak-Chin Indian Community
- Tohono O'odham Trust Land
- Gila River Reservation
- Maricopa Reserve

CALIFORNIA

- San Onofre
- Pechanga Reservation of Luiseño Indians
- Pala Reservation
- Pauma & Yulma Reserve
- Rincon Reservation
- San Pasqual Reservation
- La Jolla Reservation
- Cahuilla Reservation
- Soboba Reservation
- Santa Ysabel
- Mesa Grande Reservation
- Barona Reservation

CONNECTICUT

- Millstone
- Mohegan Reservation
- Mashantucket Pequot Reservation
- Narragansett Reservation

FLORIDA

- St. Lucie
- Brighton Reservation (Seminole Tribes of Florida)
- Fort Pierce Reservation
- Turkey Point
- Miccosukee Reservation
- Hollywood Reservation (Seminole Tribes of Florida)

IOWA

- Duane Arnold
- Sac & Fox Trust Land
- Sac & Fox Reserve

LOUISIANA

- River Bend
- Tunica-Biloxi Reservation

MASSACHUSETTS

- Pilgrim
- Wampanoag
- Tribe of Grey Head (Aquinnah) Trust Land

MINNESOTA

- Monticello
- Shakopee Community
- Shakopee Trust Land
- Mille Lacs Reservation
- Prairie Island
- Prairie Island Community
- Prairie Island Trust Land
- Shakopee Community
- Shakopee Trust Land

NEBRASKA

- Cooper
- Sac & Fox Trust Land
- Sac & Fox Reservation
- Kickapoo
- Fort Calhoun
- Winnebago Trust Land
- Omaha Reservation
- Winnebago Reservation

NEW YORK

- FitzPatrick
- Onondaga Reservation
- Oneida Reservation
- Nine Mile Point
- Onondaga Reservation
- Oneida Reservation

NORTH CAROLINA

- McGuire
- Catawba Reservation

SOUTH CAROLINA

- Catawba
- Catawba Reservation
- Oconee
- Eastern Cherokee Reservation
- Summer
- Catawba Reservation

WASHINGTON

- Columbia
- Yakama Reservation
- Yakama Trust

WISCONSIN

- Kewaunee
- Oneida Trust Land
- Oneida Reservation
- Point Beach
- Oneida Trust Land
- Oneida Reservation

Latest Happenings in the Federal Register (cont.)

New Railroad Safety Recommendations

On August 7, 2013 (78 FR 48224), the Pipeline and Hazardous Materials Safety Administration (PHMSA) and Federal Railroad Administration (FRA) published a combined safety notice and announcement for an emergency meeting of the Railroad Safety Advisory Committee to discuss the circumstances surrounding the Lac-Megantic Canada railroad accident and determine any needed safety-related recommendations to railroads operating in the United States.



2013 September - December Training Schedule

Course	Date	Location
Federal Motor Carrier Safety Regulations for Drivers	September 4, 2013	Richland, WA
Federal Motor Carrier Safety Regulations for Managers & Supervisors	Sept. 10-11, 2013	Richland, WA
Advanced Hazardous Material Shipper Certification Training	September 10-11, 2013	Las Vegas, NV
Explosives Training for Shippers	September 12, 2013	Las Vegas, NV
Reasonable Suspicion Training for Supervisors	September 12, 2013	Richland, WA
Advanced Mixed Waste Shipper Certification Training Waste Shipper Certification Training	September 16-19, 2013	Richland, WA
DOT/NRC Hazardous Waste/Mixed Waste Packaging, Transportation and Disposal	September 16-19, 2013	Salt Lake City, UT
Air Transport of Radioactive Materials (IATA)	September 20, 2013	Salt Lake City, UT
Load Securing of Radioactive Materials	September 20, 2013	Salt Lake City, UT
*Attend all three NRC/DOT courses consecutively for \$2,795.00 (savings of \$190.00)		
Highway Route Control Quantity (HRCQ)	September 18, 2013	Richland, WA
Load Securement for Drivers and Traffic Personnel	September 24, 2013	Richland, WA
Hazardous Material General Awareness Transportation Training	September 25, 2013	Richland, WA
Basic Level Transportation Training – Module 1 – Basic Hazardous Material	September 30-October 2, 2013	Richland, WA
Basic Level Transportation Training – Module 2 – Basic Hazardous Waste	October 2, 2013	Richland, WA
Basic Level Transportation Training – Module 3 – Basic Radioactive Material	October 3-4, 2013	Richland, WA
*Attend all three modules consecutively for \$1,285.00 (savings of \$510.00)		
Hazardous Material General Awareness Transportation Training	October 8, 2013	Richland, WA
Advanced Hazardous Material Shipper Certification Training	October 8-9, 2013	Richland, WA
Advanced Radioactive Material Shipper Certification Training	October 8-10, 2013	Albuquerque, NM
Hazardous Materials Drivers Training	October 9, 2013	Richland, WA
Highway Route Control Quantity (HRCQ)	October 10, 2013	Richland, WA
Advanced Hazardous Waste Shipper Certification Training	October 15-17, 2013	Las Vegas, NV
Federal Motor Carrier Safety Regulations for Drivers	October 15, 2013	Richland, WA
Load Securement for Drivers and Traffic Personnel	October 16, 2013	Richland, WA
IATA: Transportation of Dangerous Goods by Air Shipper Certification Training	October 22-24, 2013	Richland, WA
DOT/NRC Radioactive Waste Packaging, Transportation and Disposal Training	October 28-31, 2013	Hilton Head Island, SC

2013 September- December Training Schedule

Course	Date	Location
Air Transport of Radioactive Materials (IATA)	November 1, 2013	Hilton Head Island, SC
Load Securing of Radioactive Materials	November 1, 2013	Hilton Head Island, SC
*Attend all three NRC/DOT courses consecutively for \$2,695.00 (savings of \$190.00)		
Advanced Hazardous Waste Shipper Certification Training	October 29-31, 2013	Las Vegas, NV
Hazardous Materials Drivers Training	October 30, 2013	Richland, WA
IATA: Transportation of Dangerous Goods by Air Shipper Certification Training	November 4-6, 2013	Las Vegas, NV
Advanced Mixed Waste Shipper Certification Training	November 4-7, 2013	Aiken, SC
Hazardous Material General Awareness Transportation Training	November 5, 2013	Richland, WA
Load Securement for Drivers and Traffic Personnel	November 6, 2013	Richland, WA
Hazardous Materials Drivers Training	November 13, 2013	Richland, WA
Highway Route Control Quantity (HRCQ)	November 14, 2013	Richland, WA
Advanced Mixed Waste Shipper Certification Training	November 18-21, 2013	Albuquerque, NM
Advanced Radioactive Material Shipper Certification Training	November 19-21, 2013	Richland, WA
Federal Motor Carrier Safety Regulations for Drivers	November 20, 2013	Richland, WA
Hazardous Material General Awareness Transportation Training	December 3, 2013	Richland, WA
Federal Motor Carrier Safety Regulations for Managers and Supervisors	December 3-4, 2013	Richland, WA
IATA: Transportation of Dangerous Goods by Air Shipper Certification Training	December 3-5, 2013	Albuquerque, NM
Reasonable Suspicion Training for Supervisors	December 5, 2013	Richland, WA
Load Securement for Drivers and Traffic Personnel	December 5, 2013	Richland, WA
Advanced Mixed Waste Shipper Certification Training	December 9-12, 2013	Richland, WA
DOT/NRC Radioactive Waste Packaging, Transportation and Disposal Training	December 9-12, 2013	Las Vegas, NV
Air Transport of Radioactive Materials (IATA)	December 13, 2013	Las Vegas, NV
Load Securing of Radioactive Materials	December 13, 2013	Las Vegas, NV
*Attend all three NRC/DOT courses consecutively for \$2,695.00 (savings of \$190.00)		
Advanced Radioactive Material Shipper Certification Training	December 10-12, 2013	Las Vegas, NV
Federal Motor Carrier Safety Regulations for Drivers	December 11, 2013	Richland, WA
Load Securement for Drivers and Traffic Personnel	December 12, 2013	Richland, WA

New Location for 2014, Beautiful, Sunny, San Diego, California



Please join us in June of 2014 for our comprehensive NRC/DOT Radioactive Waste Packaging,

Transportation and Disposal Training in beautiful downtown San Diego, California at the Residence Inn Gaslamp Quarter. During the day, we will cover the complexity of the NRC and DOT regulations to ensure the safe and secure transportation of class 7 radioactive materials with lively discussions and lessons learned across our diverse nuclear industry. In the evening, you will be able to explore many of the world-renowned attractions in the San Diego area. We hope to see you there!