

# Q3 2018 NEWS



**NRC Letter Addresses the Applicability of 49 CFR.** The NRC issued generic letter STC-18-037 "Applicability of U.S. Department of Transportation Requirements to Class 7 (Radioactive) Material Transport, and When to Request an Exemption from 10 CFR 71.5(b)" on June 1, 2018 explaining how the U.S. Department of Transportation (DOT) regulations in Title 49 of the Code of Federal Regulations (CFR) are incorporated into U.S. Nuclear Regulatory Commission's (NRC's) transportation regulations in 10 CFR Part 71, "Packaging and Transportation of Radioactive Material," and how they apply to Agreement States. It also informs the Agreement State programs that NRC and Agreement State licensees are required to follow the standards and requirements of the DOT regulations in 49 CFR applicable to Class 7 (radioactive) material transport. These requirements apply even for shipments not covered by DOT regulations, unless the licensee requests an exemption from 10 CFR 71.5(b) or the Agreement State's equivalent regulation. The purpose of 10 CFR 71.5(b) is to impose, by NRC authority, pertinent DOT requirements for shipments of Class 7 (radioactive) material by NRC licensees even when those shipments do not enter commerce.

**SAFER System New Web Address.** The U.S. Department of Transportation Federal Motor Carrier Safety Administration (FMCSA) Safety and Fitness Electronic Records (SAFER) System website has

moved to a new landing address: <http://safer.fmcsa.dot.gov>. The SAFER System offers carrier company safety data to industry and the public over the internet. Access is provided free of charge to the Company Snapshot feature, a concise electronic record of a company's identification, size, commodity information, and safety record, including the safety rating (if any), a roadside out-of-service inspection summary, and crash information.

**NRC Updated Advanced Notification Designee List.** The Nuclear Regulatory Commission (NRC) has updated the list of individuals to receive advance notification of radioactive material and nuclear material shipments required by either 10 CFR Part 37 (Category 1 and 2), Part 71 (HRCQ) or Part 73 (Spent Nuclear Fuel) on August 21, 2018. This list of States, Territories and Participating Tribes can be downloaded from the NRC website at <https://scp.nrc.gov/special/designee.pdf>.



**NRC Issues RIS 2018-03 Category 1 & 2 Update.** The Nuclear Regulatory Commission (NRC) issued Regulatory Issue Summary (RIS) 2008-13 "National Terrorism Advisory System and Protective Measures for the Physical Protection of Category 1 and Category 2 Quantities of Radioactive Material" on June 1, 2018 to provide information on the U.S. Department of Homeland Security's (DHS's) National Terrorism Advisory System (NTAS) to licensees who are authorized to possess Category 1 and Category 2 quantities of radioactive material that are listed

in Appendix A, "Category 1 and Category 2 Radioactive Materials," to 10 CFR Part 37, "Physical Protection of Category 1 and Category 2 Quantities of Radioactive Material." The NRC recommends that licensees in possession of these Category 1 and Category 2 quantities of radioactive material maintain awareness of the NTAS. The NRC further recommends that, following an NTAS alert, these licensees should consider the information found in Enclosures 2 and 3 of this RIS. The enclosures of this RIS contain Security-Related Information. Upon separation from the enclosures, this RIS is DECONTROLLED. This RIS supersedes RIS 2002-12L, Revision 1, "Panoramic and Underwater Irradiators NRC Threat Advisory and Protective Measures System," dated August 24, 2011; RIS 2002-12M, Revision 1, "Manufacturing and Distribution Licensees NRC Threat Advisory and Protective Measures System," dated August 24, 2012; and RIS 2005-12, Revision 1, "Transportation of Radioactive Material Quantities of Concern NRC Threat Advisory and Protective Measures System,"

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## Important Dates to Remember

### June 30, 2018

- EPA launched e-Manifest system, TSDFs required to submit completed manifests

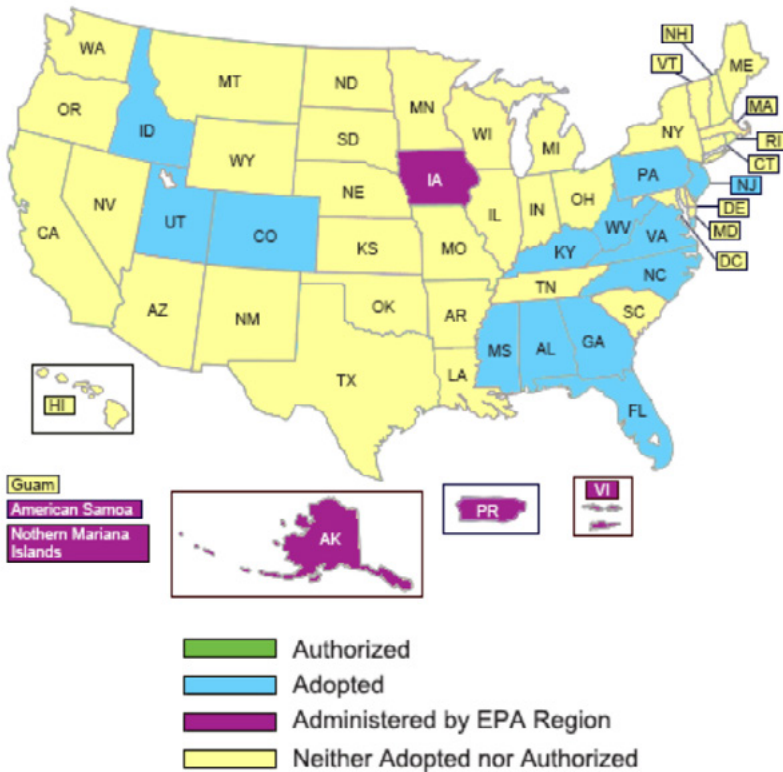
### January 1, 2019

- Labels must have a 2mm inner border (HM-215M, 80 FR 1076, January 8, 2015 & HM-215N, 82 FR 15796, March 30, 2017)
- Begin voluntary IMDG Code 2018 Edition Amendment 39-17 compliance

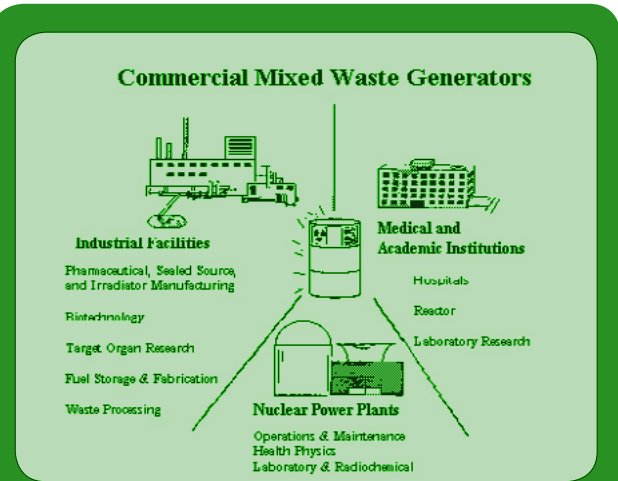
dated August 24, 2011. This RIS requires no action or written response on the part of any addressee, and it does not impose new regulatory requirements on NRC licensees and a copy may be downloaded from the [NRC Generic Communications Webpage](#).

**IMO Updates IMDG Code 39-18.** International Maritime Organization (IMO) has announced the availability of the International Maritime Dangerous Goods (IMDG) Code 2018 edition incorporating Amendment 39-18 and the 2018 edition IMDG Code Supplement. The updated revision of the IMDG Code will be mandatory starting January 1, 2020 but may be applied in whole or in part on a voluntary basis from January 1, 2019. In addition to the announcement flyers for the new Code and Supplement, there is a handout listing a summary of significant changes available for download on the [IMO IMDG Code webpage](#).

**EPA Hazardous Waste Generator Improvements Rule.** Hazardous waste generators in non-agreement states should have already adopted the 40 CFR Parts 257 – 279 revisions in the November 28, 2016 (81 FR 85732) EPA final rule, which was effective on May 30, 2017. For a summary article on these revisions, please see our June 2017 Quarter 2 newsletter. For everyone in or shipping to an Agreement State, you can keep track on the adoption and authorization status of each State or Territory using the following EPA website: <https://www.epa.gov/hwgenerators/where-hazardous-waste-generator-improvements-rule-effect>.



*This map represents the status of state adoption.*



**Hazardous Material/Mixed Waste Training, is it for You?** The Department of Transportation's (DOT) training requirements outlined in 49 CFR 172 Subpart H mentions every hazardous material employee must be trained and tested in each function they perform. If you have attended our standard DOT/NRC radioactive waste shipping training, this class does a great job covering how to ship things where the only hazardous constituent is radioactive Class 7 material, but this class does not cover any other type of hazardous material. Examples of other hazardous material common to commercial facilities may include: Asbestos, PCBs, Lead, Chromium (and other heavy metals), Used Oil, and solvents like: Toluene, Hexane or Acetone. And mixed waste would be material where it contains both hazardous waste and radioactive material.

If you ship or help ship any hazardous material, hazardous waste and/or mixed waste, please consider taking our DOT/EPA/NRC Mixed Waste Transportation Training to not only meet the DOT training requirements but also know how to safely and securely transport all types of hazardous material. Our DOT/NRC Radioactive Waste Transportation Training is a pre-requisite for the Mixed Waste, since we will focus more on all the other types of hazardous materials.

See you in class soon!

**Seasonal Safety.** Fall is around the corner and so are slippery wet leaves. Maintain your questioning attitude in every situation, especially asking, "What could be the worst thing that could happen?"

# FAQs

## **Topic:** Type B packages for radioactive material shipments

### **\* Do I have to follow the reuse requirements listed in 49 CFR 173.28 for Type B and Fissile packages?**

*Reference # 11-0302; 13-0047*

Yes, the reuse and reconditioning provisions of 173.28 are applicable to Type B(U), Type B(M), and fissile material packagings.

### **\* Can I ship a Type A (< A2) quantity of radioactive material in a Type B package?**

*Reference # 05-0310; 06-0274; 16-0133*

Yes, but you must select the proper shipping name based on the package design i.e. "UN2916, Radioactive Material, Type B(U) package."

### **\* Can I downgrade a Type B package to a Type A package?** *Reference # 05-0310; 06-0274; 16-0133*

Yes you can, as long as you to remove all marking, including the nameplate, indicating that the package is a Type B package and apply all markings, including the nameplate, indicating that the package is a Type A package.

### **\* Do I have to be a registered user with the NRC before the first use of a Type B package?** *Reference # NRC IN 2004-13*

Yes, licensees must notify the NRC before to the first use of NRC-approved transport packages (user registration) and comply with all of the conditions listed in the current Certificates of Compliance (CoCs) per 10 CFR 71.17 and 49 CFR 173.471.

DOT letters of interpretation can be found at: <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.

NRC Information Notices (IN) can be found at: <https://www.nrc.gov/reading-rm/doc-collections/>.

The Code of Federal Regulations can be found at: <https://www.gpo.gov/fdsys/>.

## popquiz



**Could this happen to your shipping package?** What are you doing to ensure your packages survive normal conditions of transportation? Is kick-boxing considered "normal" handling during transport? I hope you said "yes!" to all these questions.



### **So, anything wrong with this empty packaging ID number marking?**

Not really, but was this a close call from peeling off? Yes! This excepted package marking may be a non-specification marking and excepted from the 49 CFR Part 172 general marking requirements, BUT should the material you use to make stickers survive weather conditions? We know budgets are tight, but if this paper sticker fell off, could a violation hurt your budget and credibility?



**How is this for placard and orange panel placement?** Do these meet the visibility requirements? Should we use a non-clear tape to attach these to the tarp? Including covering the borders on each with dark colored tape? Did you answer "No way!" to each question?





## THE LATEST HAPPENINGS

**EPA REVISES SOLID WASTE DEFINITION**—On May 30, 2018 (83 FR 24664), the Environmental Protection Agency (EPA) published a final rule revising regulations associated with the definition of solid waste under the Resource Conservation and Recovery Act in 40 CFR Parts 260 and 261. These revisions implement vacatur orders by the United States Court of Appeals for the District of Columbia Circuit, on July 7, 2017, as modified on March 6, 2018. These include the removal of the 2015 verified recycler exclusion and reinstatement of the 2008 transfer-based exclusion with modifications, and removal of the 2015 factor four in the definition of legitimate recycling and reinstatement of the 2008 factor four. This final rule is effective on May 30, 2018 revising 40 CFR 260.42, 40 CFR 260.43, 40 CFR 261.4(a)(23) and 40 CFR 261.4(a)(24); reinstating 261.4(a)(25); and removing 40 CFR 260.30(f) and 260.31(d).

**RAIL TANK CAR THERMAL PROTECTION UPDATE**—On June 5, 2018 (82 FR 26144), the Pipeline and Hazardous Materials Safety Administration (PHMSA) in coordination with the Federal Railroad Administration (FRA) published a notice to notify the public of four systems that have been added to the thermal protection systems list since its most recent publication, as well as to solicit comments or updates to information on the current list. The thermal protection systems included on the list have passed the pool fire and torch fire tests specified in Appendix B to 49 CFR Part 179 and are acceptable for use, without further test verification, on certain U.S. Department of Transportation (DOT) specification tank cars. The list is maintained and updated in the PHMSA Records Center in accordance with 49 CFR Section 179.18 and a copy of the list will be posted to online at <http://www.phmsa.dot.gov>, where future additions and revisions will be published. The thermal protection systems list was last published in the Federal Register on May 13, 1993 (Notice No. 93-12; 58 FR 28436). PHMSA and FRA anticipate that changes

have inevitably occurred since its most recent publication, including the potential that companies on the list have moved, changed tradenames, closed, merged with other companies, or have been purchased by other companies. Please submit comments on or before September 4, 2018.

**NRC CLARIFICATION OF EXPORT REPORTING**—On June 08, 2018 (83 FR 26611), the Nuclear Regulatory Commission (NRC) published a request for comment seeking public comment on a draft regulatory issue summary (RIS) to clarify the reporting requirements for certain exports of nuclear facilities, equipment, and non-nuclear materials under part 110 of title 10 of the Code of Federal Regulations (10 CFR), "Export and Import of Nuclear Equipment and Material." Specifically, the RIS is intended to clarify the reporting requirements under 10 CFR 110.54(a)(1). The regulation in 10 CFR 110.54(a)(1) states, in part, that licensees exporting nuclear facilities, equipment, and certain non-nuclear materials under a general or specific license during the previous quarter must submit reports by January 15, April 15, July 15, and October 15 of each year on DOC/NRC Forms AP-M or AP-13, and associated forms. The draft RIS includes information relating to this reporting requirement and clarifies that the quarterly reporting requirement is in addition to, and not obviated by, the separate NRC annual reporting requirement in 10 CFR 110.54(c). Please submit comments by August 7, 2018. Comments received after this date will be considered if it is practical to do so, but the Commission is able to ensure consideration only for comments received before this date.

**EPA CONSIDERS RULING COSTS & BENEFITS**—On June 13, 2018 (83 FR 27524), the EPA published an advance notice of proposed rulemaking (ANPRM) soliciting comment on whether and how EPA should promulgate regulations that provide a consistent and transparent

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interpretation relating to the consideration of weighing costs and benefits in making regulatory decisions in a manner consistent with applicable authorizing statutes. EPA is also soliciting comment on whether and how these regulations, if promulgated, could also prescribe specific analytic approaches to quantifying the costs and benefits of EPA regulations. EPA promulgates regulations under authority provided in the federal environmental statutes such as the Clean Air Act (CAA), Clean Water Act (CWA), Safe Drinking Water Act (SDWA), and many others. Most statutory provisions require or allow some consideration of cost and benefits when setting pollution standards, but there is variation in terminology and specificity provided in each law regarding the nature and scope of the cost and benefit considerations. This ANPRM does not propose any regulatory requirements. Comments must be received on or before July 13, 2018.

**DOT MISC. FINAL RULE CORRECTIONS** On June 18, 2018 (82 FR 28162), the PHMSA published a final rule correction responding to appeals submitted to a previous final rule published on June 2, 2016 (HM-218H; 81 FR 35483) that made miscellaneous amendments to the Hazardous Materials Regulations in 49 CFR Parts 172 - 180. This final rule specifically responds to appeals to extend the effective date of certain nitric acid packaging and emergency response telephone number amendments as previously adopted. This final rule also clarifies amendments associated with the trigger date of the 10-year test period for certain MC 331 cargo tanks in dedicated propane service and corrects editorial errors. This final rule is effective July 18, 2018 with a voluntary compliance date starting on its publish date of June 18, 2018. Unless otherwise specified, compliance with the amendments adopted in this final rule is required beginning September 17, 2018.



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**NRC MISCELLANEOUS 10 CFR CORRECTIONS**—On June 28, 2018 (83 FR 30285), the NRC published a final rule amending its regulations to make miscellaneous administrative updates and corrections. The amendments update descriptions of agency organization and functions, correct cross-reference, typographical, and grammatical errors, and add a certification recipient and clarifying language. This document is necessary to inform the public of these nonsubstantive amendments in 10 CFR Parts 1 - 140. This final rule is effective on July 30, 2018.

**NRC REVISES NUREG-1556 VOLUMES 12, 14 & 21**—On July 10, 2018 (83 FR 31979), the NRC published a notice announcing Revision One to NUREG-1556, Volume 12 “Consolidated Guidance About Materials Licenses: Program Specific Guidance About Possession Licenses for Manufacturing and Distribution;” NUREG-1556, Volume 14 “Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Well Logging, Tracer, and Field Flood Study Licenses;” and NUREG-1556, Volume 21 “Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Possession Licenses for Production of Radioactive material Using an Accelerator.” NUREG-1556, Volumes 12, 14 and 21 have been revised to include information on updated regulatory requirements, safety culture, security of radioactive materials, protection of sensitive information, and changes in regulatory policies and practices. These volumes are intended for use by applicants, licensees, and the NRC staff. NUREG-1556, Volume 14, Revision 1, was published in April 2018, and NUREG-1556, Volumes 12 and 21, Revision 1, were published in May 2018. These NUREG-1556 volumes are available for download from the NRC Document Collections landing page at: <https://www.nrc.gov/reading-rm/doc-collections/>

**NRC REVISES NUREG-1556 VOLUMES 5 & 8**—On July 30, 2018 (83 FR 36629), the NRC published a notice announcing Revision 1 to NUREG-1556, Volume 5, “Consolidated Guidance about Materials Licenses: Program-Specific Guidance About Self-Shielded Irradiator Licenses,” and Volume 8, “Consolidated Guidance about Materials Licenses: Program-Specific Guidance About Exempt Distribution Licenses.” NUREG-1556, Volumes 5 and 8 have been revised to include information on updated regulatory requirements, safety culture, security of radioactive materials, protection of sensitive information, and changes in regulatory policies and practices. These volumes are intended for use by applicants, licensees, and the NRC staff. NUREG-1556, Volumes 5 and 8, Revision 1, were published in June 2018. These NUREG-1556 volumes are available at: <https://www.nrc.gov/reading-rm/doc-collections/>

**NRC REVISES NUREG-1556 VOLUMES 16 & 17**—On August 03, 2018 (83 FR 38184), the NRC published a notice announcing Revision 1 to NUREG-1556, Volume 16, “Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Licenses Authorizing Distribution to General Licensees;” and Volume 17, “Consolidated Guidance About Materials Licenses: Program-Specific Guidance About Special Nuclear Material of Less Than Critical Mass Licenses.” NUREG-1556 Volumes 16 and 17 have been revised to include information on updated regulatory requirements, safety culture, security of radioactive materials, protection of sensitive information, and changes in regulatory policies and practices. These volumes are intended for use by applicants, licensees, and the NRC staff. NUREG-1556, Volumes 16 and 17, Revision 1, were published in July 2018. These NUREG-1556 volumes are available at: <https://www.nrc.gov/reading-rm/doc-collections/>

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**EPA COAL COMBUSTION RESIDUALS UPDATE**—On July 30, 2018 (83 FR 36435), the EPA published a final rule acting to finalize certain revisions to the Hazardous and Solid Waste Management System: Disposal of Coal Combustion Residuals From Electric Utilities National Minimum Criteria (Phase One, Part One). On April 17, 2015, the EPA promulgated national minimum criteria for existing and new coal combustion residuals (CCR) landfills and existing and new CCR surface impoundments. In March 2018, EPA proposed a number of revisions to the 2015 CCR rule and requested comment on additional issues. In this final rule, the EPA is adopting two alternative performance standards that either Participating State Directors in states with approved CCR permit programs (participating states) or EPA where EPA is the permitting authority may apply to owners and operators of CCR units. The EPA is also revising groundwater protection standards (GWPS) for four constituents which do not have an established Maximum Contaminant Level (MCL). Finally, the Agency is extending the deadline by which facilities must cease the placement of waste in CCR units closing for cause in two situations: Where the facility has detected a statistically significant increase above a GWPS from an unlined surface impoundment; and where the unit is unable to comply with the aquifer location restriction. Provisions from the proposed rule that are not addressed in this rule will be addressed in a subsequent action. This final rule is effective on August 29, 2018.

**EPA REVISES IMPORT-EXPORT SUBMISSION ADDRESS**—On August 06, 2018 (83 FR 38262), the EPA published a final rule making conforming changes to the EPA office and address in 40 CFR Parts 261 and 262 to which paper documents concerning imports and exports of hazardous waste and conditionally excluded cathode ray tubes must be sent. The change in address is needed to reflect the reorganization of hazardous waste import-export functions

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on April 29, 2018, from the Office of Federal Activities' International Compliance Assurance Division, in EPA's Office of Enforcement and Compliance Assurance, to the International Branch within the Office of Resource Conservation and Recovery's Materials Recovery and Waste Management Division, in EPA's Office of Land and Emergency Management. The change in address will ensure that such paper documents will continue to be received by the appropriate personnel in a timely manner. This rule is effective on August 6, 2018.

**FMCSA UPDATES NATIONAL HAZMAT ROUTE REGISTRY**—On August 08, 2018 (83 FR 39500), the Federal Motor Carrier Safety Administration (FMCSA) published a notice announcing revisions to the National Hazardous Materials Route Registry (NHMRR) reported to the FMCSA as of March 31, 2018. The NHMRR is a listing, as reported by States and Tribal governments, of all designated and restricted roads and preferred highway routes for transportation of highway route controlled quantities (HRCQ) of Class 7 radioactive materials and non-radioactive hazardous materials (NRHMs). FMCSA published the full NHMRR in a Federal Register Notice on April 29, 2015 (80 FR 23859). Since publication of the 2015 notice, FMCSA published one update to the NHMRR in a Federal Register Notice on August 8, 2016 (81 FR 52518). This notice provides revisions to the NHMRR, reported to the FMCSA from August 8, 2016 through March 31, 2018. The full current NHMRR for each state is posted on the FMCSA's internet website at: <https://www.fmcsa.dot.gov/regulations/hazardous-materials/national-hazardous-materials-routeregistry> Applicable date for this notice is August 9, 2018.

**NRC REQUESTS COMMENT ON DRAFT NUREG-2224**—On August 08, 2018 (83 FR 39475), the NRC published a notice requesting public comment on draft NUREG-2224, "Dry Storage and Transportation of High Burnup Spent Nuclear Fuel." The draft NUREG provides technical background information applicable to high burnup spent nuclear fuel (HBU SNF), provides an engineering assessment of recent NRC-sponsored mechanical testing of HBU SNF, and proposes example approaches for licensing and certification of HBU SNF in transportation and dry storage. Draft NUREG-2224 is available in NRC's Agencywide Documents Access and Management System (ADAMS) under Accession No. ML18214A132. Please submit comments on the draft NUREG-2224 by September 24, 2018. Comments received after this date will be considered if it is practical to do so, but the NRC is able to ensure consideration only for comments received on or before this date.

**FMCSA ALLOWS WINDSHIELD MOUNTED GPS UNITS**—On August 22, 2018 (83 FR 42552), the FMCSA published a notice announcing its decision to grant Traditional Trucking Corporation's (TTC) application for a limited 5-year exemption on behalf of motor carriers operating commercial motor vehicles (CMVs) to allow a Global Positioning System (GPS) device to be mounted on the interior of the windshield of a CMV within the areas allowed for "vehicle safety technology" devices as identified in 49 CFR 393.60(e)(1)(ii). The FMCSA has determined that the placement of the GPS device in the windshield area would not have an adverse impact on safety, and that adherence to the terms and conditions of the exemption would achieve a level of safety equivalent to or greater than the level of safety provided by the regulation. This exemption is effective August 22, 2018 and ending August 22, 2023.

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**FMCSA PROPOSES DRIVER HOURS OF SERVICE REVISIONS**—On August 23, 2018 (83 FR 42631), the FMCSA published a Advance Notice of Proposed Rulemaking (ANPRM) seeking public input on four (4) specific areas in which FMCSA is considering changes: (1) The short-haul hours-of-service (HOS) limit; (2) The HOS exception for adverse driving conditions; (3) The 30-minute rest break provision; and (4) The sleeper berth rule to allow drivers to split their required time in the sleeper berth. The introduction of electronic logging devices and their ability to accurately record compliance with HOS regulations for drivers of commercial motor vehicles (CMVs) have prompted numerous requests from Congress and the public for FMCSA to consider revising certain HOS provisions in 49 CFR Part 395. FMCSA is also seeking public comment on petitions for rulemaking from the Owner-Operator Independent Drivers Association (OOIDA) and TruckerNation.org (TruckerNation). OOIDA petitioned FMCSA to amend the HOS rules to allow drivers to take a rest break once per 14-hour duty period for up to three consecutive hours if the driver is off-duty. OOIDA's petition also requests that FMCSA eliminate the 30-minute rest break requirement which FMCSA had identified as an area of consideration for rulemaking. TruckerNation petitioned FMCSA to revise the prohibition against driving after the 14th hour of the beginning of the work shift, allow drivers to use multiple off-duty periods of three hours or longer in lieu of having 10 consecutive hours off-duty, and eliminate the 30-minute rest break requirement. Comments on this ANPRM must be received on or before September 24, 2018.

# 2018–19 COMMERCIAL TRAINING SCHEDULE

## Radioactive Class 7 Material Packaging, Transportation & Disposal Regulatory Compliance Courses

*All DOT/NRC training courses meet the requirements of 49 CFR Part 172 Subpart H and NRC IE Notice 79-19*

COURSE	DATE	CEU**	TUITION	LOCATION
<b>2018</b>				
DOT/NRC Radioactive Waste Packaging, Transportation & Disposal	October 22 - 25	32	\$1,895	Hilton Head, SC
Air Transport of Radioactive Materials (IATA/DOT)	October 26	8	\$945*	Hilton Head, SC
DOT/NRC Radioactive Waste Packaging, Transportation & Disposal	Dec. 3 - 6	32	\$1,895	Henderson, NV
Air Transport of Radioactive Materials (IATA/DOT)	Dec. 7	8	\$945*	Henderson, NV
<b>2019</b>				
DOT/NRC Radioactive Waste Packaging, Transportation & Disposal	Feb. 25 - 28	40	\$1,895	Mount Pleasant, SC
Air Transport of Radioactive Materials (IATA/DOT)	March 1	8	\$945*	Mount Pleasant, SC
DOT/NRC/EPA Hazardous Waste/Mixed Waste Packaging, Transportation & Disposal	March 18 - 22	40	\$1,995	Salt Lake City, UT
Clive Disposal Site Facility Tour	March 21	—	\$0	Clive, UT
DOT/NRC Radioactive Waste Packaging, Transportation & Disposal	April 8 - 11	40	\$1,895	Surfside Beach, SC
Air Transport of Radioactive Materials (IATA/DOT)	April 12	8	\$945*	Surfside Beach, SC
DOT/NRC Radioactive Waste Packaging, Transportation & Disposal	June 3 - 6	40	\$1,895	San Diego, CA
Air Transport of Radioactive Materials (IATA/DOT)	June 7	8	\$945*	San Diego, CA
DOT/NRC/EPA Hazardous Waste/Mixed Waste Packaging, Transportation & Disposal	July 15 - 19	40	\$1,895	Clinton, TN
Bear Creek Operations (BCO) Facility Tour	July 18	—	\$0	Clinton, TN
DOT/NRC Radioactive Waste Packaging, Transportation & Disposal	July 29 - Aug. 1	40	\$1,895	Orlando, FL
Air Transport of Radioactive Materials (IATA/DOT)	Aug 2	8	\$945*	Orlando, FL
DOT/NRC/EPA Hazardous Waste/Mixed Waste Packaging, Transportation & Disposal	Sept. 9 - 13	40	\$1,995	Columbia, SC
Barnwell Disposal Site & Processing Facilities Tour	Sept. 12	--	\$0	Barnwell, SC

*\* If an IATA class is taken in conjunction with the DOT/NRC class during the same week, there is a \$200 multi-class discount*

*\*\* The American Academy of Health Physics (AAHP) has pre-approved continuation education credit hours for these courses*