



U.S. Department  
of Transportation  
**Pipeline and  
Hazardous Materials  
Safety Administration**

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**Transportation of  
Hazardous Materials  
2009-2010**

**Biennial Report to Congress**

**Under Title 49 of the United States Code  
and  
USA PATRIOT Improvement and Reauthorization Act of 2005**

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## I. Introduction

This report is a compilation of information and data summarizing the performance, evaluation, enforcement and compliance with the Hazardous Materials Regulations (HMR; 49 CFR Parts 171-180) under Title 49 of the United States Code (49 U.S.C.) for years 2009-2010.

49 U.S.C. Subtitle III, Chapter 51, § 5121(h) directs once every two years that the Secretary of Transportation shall prepare and transmit to the Committee on Transportation and Infrastructure of the House of Representatives and the Committee on Commerce, Science, and Transportation of the Senate a comprehensive report on the transportation of hazardous materials during the preceding two calendar years.

### **This report includes:**

- Section II:** • a statistical compilation of accidents and casualties related to the transportation of hazardous materials
- Section III:** • a list and summary of applicable Government regulations , criteria and orders
- Section IV:** • a summary of the basis for hazardous materials Special Permits (previously called Exemptions)
- Section V:** • identification and evaluation of enforcement and compliance activities relating to functions regulated by the Secretary under function 5103(b)(1)
- Section VI:** • a summary of outstanding problems in carrying out this chapter in order of priority
- Section VII:** • recommendations for appropriate legislation

In addition, **Appendix A** of this report addresses additional reporting requirements of the Secretary of Transportation under the USA PATRIOT Improvement and Reauthorization Act of 2005 associated with methamphetamine by-products as hazardous materials. This provision requires the Department of Transportation to report to Congress every two years whether then-existing statutes and regulations cover methamphetamine by-products as hazardous materials.



## Overview

Under the Federal Hazardous Materials Transportation Law (Federal hazmat law; 49 U.S.C. 5101 et seq.), the Secretary of Transportation is charged with protecting the nation against the risks to life, property, and the environment that are inherent in the commercial transportation of hazardous materials. The Federal hazmat law authorizes the Secretary of Transportation to prescribe regulations for the safe transportation, including security, of hazardous material in intrastate, interstate, and foreign commerce. The Secretary has delegated this authority to the Pipeline and Hazardous Materials Safety Administration (PHMSA). PHMSA promulgates a national safety program to minimize the risks to life and property inherent in commercial transportation of hazardous materials.

The U.S. Department of Transportation (DOT) is the Federal safety authority for ensuring the safe transport of hazardous materials by air, rail, highway, and water, with the exception of bulk transportation of hazardous materials by vessel. The DOT operating administrations administer hazardous materials enforcement programs. Authority to enforce the Hazardous Materials Regulations has been delegated under 49 CFR Part 1 to the:

- **Pipeline and Hazardous Materials Safety Administration (PHMSA)** with particular emphasis on multimodal shipments of hazardous materials and the manufacture, fabrication, marking, maintenance, reconditioning, repair or test of multimodal containers that are represented, marked, certified, or sold for use in the transportation of hazardous materials;
- **Federal Aviation Administration (FAA)** with particular emphasis on the transportation or shipment of hazardous materials by air;
- **Federal Railroad Administration (FRA)** with particular emphasis on the transportation or shipment of hazardous materials by railroad;
- **Federal Motor Carrier Safety Administration (FMCSA)** with particular emphasis on the transportation or shipment of hazardous materials by highway.



PHMSA regulates hazardous materials transportation by all modes.

Under 49 CFR Part 1, Subpart C, the United States Coast Guard (USCG) is authorized to enforce the HMR in connection with certain transportation or shipment of hazardous materials by water. This authority originated with the Secretary and was first delegated to USCG prior to 2003, when USCG was made part of the Department of Homeland Security (DHS). [DHS Delegation No. 0170, Sec. 2(99) & 2(100); see also 6 U.S.C. 458(b), 551(d) (2).]



## Program Goals

Hazardous materials are essential to the economy of the United States and the well-being of its people. Hazardous materials fuel automobiles as well as heat and cool homes and offices. They are used for farming, medical applications and in manufacturing, mining and other industrial processes. According to the Department's 2007 Commodity Flow Survey, more than 2.2 billion tons of regulated hazardous materials – including explosive, poisonous, corrosive, flammable, and radioactive materials – are transported in this country each year. There are approximately one million daily movements of hazardous materials by plane, train, truck and vessel in quantities ranging from several ounces to thousands of gallons. These shipments frequently move through densely populated or sensitive areas where the consequences of an incident could be loss of life or serious environmental damage. Our communities, the public, and workers engaged in hazardous materials commerce count on these shipments being safe, secure and reliable.

DOT's hazmat mission is to protect people and the environment from the risks inherent in transportation of hazardous materials—by pipeline and other modes of transportation. In addition to fulfilling the Department's primary safety mission, the DOT modes play an important role in helping to ensure reliability throughout the transportation system that the American public depends on.

### DOT Hazmat Goals

#### Safety and Security

- To reduce the risk of harm to people due to the transportation of hazardous materials by pipelines and other modes.

#### Environmental Stewardship

- To reduce the risk of harm to the environment due to the transportation of oil and hazardous materials by pipelines and other modes.

#### Reliability

- To help maintain and improve the reliability of systems that deliver energy products and other hazardous materials.

#### Global Connectivity

- To harmonize and standardize the requirements for pipeline and hazardous materials transportation internationally, to facilitate efficient and safe transportation through ports of entry and through the supply chain.

#### Preparedness and Response

- To reduce the consequences (harm to people, environment, and economy) after a pipeline or hazardous materials failure has occurred.



During this reporting period, DOT made groundbreaking progress and implemented numerous improvements to its hazardous materials program.

The Department had an improved safety year in 2010 with 8 fatalities and 17 hospitalized (major) injuries, the lowest number of significant hazardous materials incidents since 1984 when DOT began differentiating between hospitalized (major) and non-hospitalized injuries. As shown below, each mode made significant accomplishments which contributed to DOT's safety mission.

## PHMSA

Beginning in September 2009, a major re-organization in PHMSA was initiated and fully implemented in 2010 to improve program oversight, efficiency, and safety initiatives. Also, PHMSA undertook an extensive recruitment campaign, filling 90 percent of all hazardous materials program office vacancies.

During this reporting period, PHMSA took action to address 12 of the 22 National Transportation Safety Board's (NTSB) recommendations. These initiatives for improving the safe transportation of hazardous materials include lithium batteries aboard aircraft, cargo tank motor vehicle wetlines, and loading and unloading of hazardous materials.

PHMSA successfully closed all outstanding DOT Office of the Inspector General (OIG) Audit Recommendations with respect to its Approvals and Permits Division, and made great progress in eliminating previous significant backlogs in those programs.

With the help of its modal partners, PHMSA actively incorporated 45 special permits into the Hazardous Material Regulations. The conversion of these special permits has provided the appropriate regulatory relief to hundreds of permit holders.

Also in 2010, through employment of alternative compliance strategies, PHMSA completed several Systems Integrity Safety Program (SISP)<sup>1</sup> agreements which included one with the largest retail operation in the world. This effort alone affected the battery, pharmaceutical, and transportation industries, comprised of more than 50,000 operators and 1.4 million employees. The completion of this agreement resulted in a 90 percent compliance rate improvement in all of these industries.

Finally, in 2010, PHMSA initiated a program evaluation to take a closer look at the Hazardous Materials Emergency Preparedness (HMEP) Grants Program to ensure that the funds allocated to States, territories and Native American Tribes are being accounted for and used for their intended purpose.

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<sup>1</sup> PHMSA's voluntary compliance program focuses on activities posing the greatest risk in transportation, and focuses on industry quality assurance and integrity management principles to enhance compliance and continually improve safety.



## **FAA**

In 2010, FAA's Office of Security and Hazardous Materials Safety consolidated its nine regional hazmat and security offices into three Joint Security and Hazardous Materials Offices. This reorganization aimed to improve coordination among field offices and with FAA's Office of Hazardous Materials Safety in Washington, DC.

The Federal Aviation Administration's Hazardous Materials Safety Program (HMSP) provided regulatory oversight of hazardous materials transported by air in cargo and in passenger operations. Each year, HMSP Hazmat Specialists conducted over 8,000 inspections of air carriers, shippers, and repair stations, as well as more than 1,000 outreach activities, to increase awareness among the public, the aviation industry, and other groups, of the dangers of hazardous materials transported on domestic and international passenger and cargo aircraft. In addition, through outreach letters, FAA's HMSP informs and educates airline passengers who were discovered to have hazardous materials in their checked baggage about the dangers of transporting hazardous materials by air. Annually, over 10,000 outreach letters were mailed to passengers identified by airlines.

FAA's HMSP assisted PHMSA with its rulemaking efforts, including those related to the transportation of lithium batteries on aircraft, air-specific packaging requirements, and harmonization of the HMRs with international requirements. In addition, the HMSP provided review of and recommendations on over 100 air mode special permits and approvals each year.

## **FMCSA**

In response to NTSB recommendations to curtail cargo tank rollovers, FMCSA, with the help of its modal partners, developed and distributed the Cargo Tank Rollover Prevention video to the hazardous materials industry. Approximately 22,000 copies of the video have been distributed, and over 60,000 hits on the video have been recorded on the FMCSA and PHMSA websites since its debut in August 2010. Additionally, the video has been adopted and modified for specific use by companies such as Exxon Mobil Worldwide and has been translated into Spanish and French.

During this reporting period, FMCSA also issued Safety Advisory Notices to the motor carrier community. These notices outlined the minimum financial responsibility for motor carriers transporting Class 9 materials in general, and automobiles specifically. They also provided information on the proper use of anhydrous ammonia and liquefied petroleum gas hoses in an effort to prevent future fatalities.

## **FRA**

In 2009, FRA commenced a review of its' One-Time Movement Approval process for non-conforming bulk packagings that require FRA authorization for movement by rail in accordance with 49 CFR 174.50 of the Hazardous Materials Regulations. FRA conducted an internal review of



the process in 2009 and 2010 to address concerns and determine ways to improve the overall OTMA process, soliciting input from the regulated community. FRA also had a Peer Review Panel conduct an evaluation of the overall OTMA process and provide a report addressing recommendations on how the process could potentially be improved. FRA is currently implementing changes to the process based on the results.





## II. Hazardous Materials Accident and Incident Statistics

This section of the report provides a statistical compilation of accidents and casualties related to the transportation of hazardous materials.

DOT's hazmat safety goal directly aligns with the Secretary of Transportation's goal—to enhance public health and safety by working toward the elimination of transportation-related deaths and major injuries. The agency's specific performance measurements focus on reducing the number of deaths and hospitalized (major) injuries resulting from hazardous materials transportation incidents.

**Table II-1: DOT Goal/Outcome: Safety**

Reduction in injuries or fatalities: Number of hazardous materials incidents involving death or hospitalized (major) injury	CY08	CY09	CY10	CY11	CY12
<b>Target</b>	N/A	36	22-36	22-34	22-34
<b>Actual</b>	24	28	24	10*	

Source: Hazmat Intelligence Portal, U.S. Department of Transportation. Data as of July 7, 2011.

**Note:** All data are arrayed by Calendar Year

\*Data reflects partial Calendar Year as of July 7, 2011

During this reporting period, the number of reported hazardous materials incidents declined from 14,819 in 2009 to 14,785 in 2010. (Table II-2) There were 12 fatalities and 27 hospitalized (major) injuries in 2009, falling to 8 fatalities and 17 hospitalized (major) injuries in 2010, again demonstrating a marked decrease from previous years. (Table II-3)

**Table II-2: Incidents By Mode and Incident Calendar Year**

Mode Of Transportation:	2007	2008	2009	2010
<b>AIR</b>	1,556	1,278	1,356	1,293
<b>HIGHWAY</b>	16,930	14,804	12,730	12,637
<b>RAILWAY</b>	753	749	643	750
<b>WATER</b>	61	99	90	105
<b>Total</b>	<b>19,300</b>	<b>16,930</b>	<b>14,819</b>	<b>14,785</b>

Source: Hazmat Intelligence Portal, U.S. Department of Transportation. Data as of September 14, 2011.



**Table II-3: Fatalities and Major Injuries By Mode and Incident Calendar Year**

Mode Of Transportation	Fatalities		Major Injuries	
	2009	2010	2009	2010
AIR	0	0	0	0
HIGHWAY	11	8	17	17
RAILWAY	1	0	10	0
WATER	0	0	0	0
<b>Total</b>	<b>12</b>	<b>8</b>	<b>27</b>	<b>17</b>

Source: Hazmat Intelligence Portal, U.S. Department of Transportation. Data as of July 7, 2011.

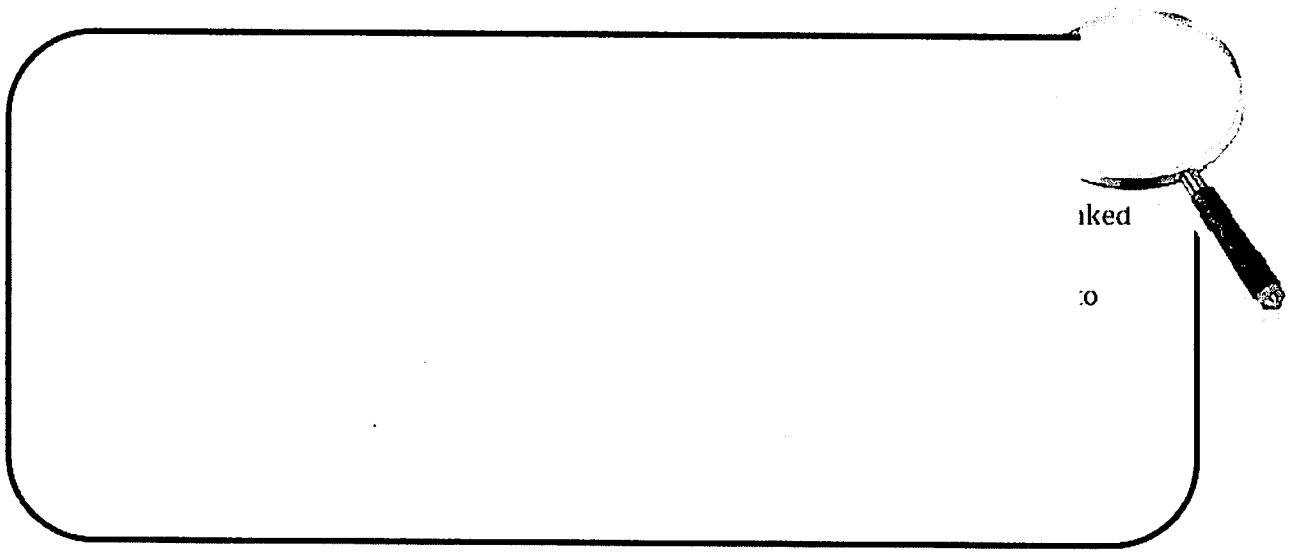
PHMSA's 2007-2011 Strategic Plan outlines a fundamental safety goal of the organization—to reduce risk by preventing failures where possible and by reducing the consequences of failures that do occur. **The Strategic Plan recognized that in order to accomplish this goal, PHMSA must:**

- ✓ Build a standing analytical capability to strengthen the understanding of risk based on sound data
- ✓ Evaluate and improve program data
- ✓ Use improved data to help drive program priorities and resource decisions
- ✓ Improve ability to detect emerging risks and target/focus prevention activities
- ✓ Evaluate the effectiveness of programs to help improve them as a means of reducing risk

In 2010, PHMSA completed several initiatives to address shortcomings in data quality, program analysis, business processes, and tools. All of these accomplishments were critical to the agency's overall performance and goal to become a more data-driven organization. The Hazmat Intelligence Portal (HIP) is a key accomplishment and gives PHMSA decision-makers access to a broad set of hazardous materials data and the ability to summarize, aggregate, and group data in an efficient manner. The use of the HIP analytical system allows hazardous materials programs to make decisions based on unified enterprise information rather than fragmented information.



Using HIP, PHMSA conducted an analysis titled "Top Consequence Hazardous Materials by Commodities & Failure Modes" that outlines the various risks in the hazardous materials transportation system from 2005-2009 that caused fatalities and major injuries. This work, initiated in 2010, is part of an overarching program designed to allow the agency to better identify areas of concern, to target hazardous materials risks for further attention, and to develop data driven regulatory and compliance strategies. A sample of key findings from this analysis includes:



Data from this analysis are displayed in **Table II-4** and **Table II-5** below. The analysis can also be accessed at:

<http://www.phmsa.dot.gov/staticfiles/PHMSA/DownloadableFiles/Hazmat/PHMSA%20Top%20Consequence%20Hazardous%20Materials%20March%202011.pdf>

**Table II-4: Top 10 Commodities 2005-09 Ranked by Weighted High-Impact Casualties (High Impact Casualties = Fatalities + [Major Injuries or Hospitalizations])**

Rank	Commodity Name	High-Impact Casualties (Weighted)	Fatalities	Major Injuries	Incidents
1.	Gasoline	33.56	30	19	1,306
2.	Chlorine	24.56	9	83	48
3.	Diesel fuel	13.31	12	7	573
4.	Propylene	4.94	1	21	15
5.	Fireworks	4.19	4	1	60
6.	Liquefied petroleum gas (LPG)	4.00	1	16	473
7.	Carbon dioxide, refrigerated liquid	3.56	3	3	51
8.	Sulfuric acid	3.31	2	7	1,269
9.	Argon, refrigerated liquid	3.00	3	0	42
10.	Propane	3.00	3	0	31

Source: Hazmat Intelligence Portal, U.S. Department of Transportation. Data as of June 22, 2011.



**Table II-5: Top 10 Failure Modes (across all Transportation Phases)  
Ranked by Weighted High-Impact Casualties  
(High Impact Casualties = Fatalities + Major Injuries or Hospitalizations)**

Rank	Failure Mode	High-Impact Casualties (Weighted)	Casualties (Unweighted)	Fatalities	Major Injuries	Incidents with Fatalities or Major Injuries	Primary Transportation Phase(s) (with corresponding weighted casualties)
1.	Derailment	25.19	91	10	81	3	In Transit - 25.19
2.	Rollover	20.81	33	18	15	27	In Transit - 20.81
+	Cause Not Reported	19.44	43	14	29	35	Loading - 0.94 Unloading - 5.44 In Transit - 13.06
++	Multiple Causes	11.44	22	9	13	17	Loading - 0.19 Unloading - 0.38 In Transit - 10.88
3.	Component or Device*	11.06	46	3	43	20	Loading - 0.38 Unloading - 3.25 In Transit - 7.44
4.	Human Error	10.38	25	7	18	19	Loading - 0.38 In Transit - 2.19 Unloading - 3.44 In Transit Storage - 4.38
5.	Vehicular Crash or Accident	8.13	13	7	6	10	In Transit - 8.13
6.	Fire, Temperature, or Heat	2.5	9	1	8	5	Unloading - 0.19 In Transit - 2.31
7.	Impact with Sharp or Protruding Object (e.g. nails)	1.94	6	1	5	3	In Transit Storage - 0.38 In Transit - 1.56
8.	Over Pressurized	1.69	9	0	9	4	Unloading - 0.38 In Transit - 1.31
9.	Deteriorating or Aging	1.31	7	0	7	7	Unloading - 0.56 In Transit - 0.75
10.	Inadequate/Improper Preparation for Transportation**	1.31	7	0	7	5	Loading - 0.19 In Transit - 1.12

Source: Hazmat Intelligence Portal, U.S. Department of Transportation. Data as of June 27, 2011.

+ No specific cause was recorded

++This category contains incidents for which there were two or more failure modes reported

\*This failure mode is an aggregate of five failure modes: 1) Broken Component or Device; 2) Loose Closure, Component or Device; 3) Defective Component or Device; 4) Missing Component or Device; 5) Misaligned Material, Component or Device. The values provided have been adjusted to assure that there is no double counting as a result of this aggregation.

\*\*This failure mode is an aggregate of two failure modes: 1) Improper Preparation for Transportation; 2) Inadequate Preparation for Transportation. The values provided have been adjusted to assure that there is no double counting as a result of this aggregation



In addition to PHMSA, its modal partners also use various IT systems to carry out their hazmat safety missions, including HIP and the Motor Carrier Management Information System (MCMIS). To carry out its hazmat related activities, FMCSA uses HIP, in conjunction with MCMIS, which is FMCSA's newest motor carrier safety measurement tool. This tool is used to identify carriers for specific interventions and to properly use FMCSA resources where they are needed most - Compliance, Safety, and Accountability (CSA). When utilized together, these two systems aid FMCSA in collecting data that is used to develop interventions and programs designed to improve the safety and security of the transportation of hazardous materials by highway.



### III. Hazardous Materials Regulations, Criteria and Orders Summary

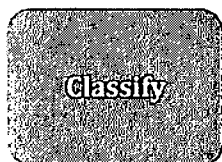
This section of the report provides a summary of applicable Government regulations, criteria, and orders. **Appendix B** contains a full list of rulemaking and notice actions for the report period.

The Department's hazardous materials regulatory program is a risk-based management system that is prevention-oriented and focused on identifying safety and security hazards and reducing the probability, quantity, and consequences of a hazardous material release. The Secretary has delegated this regulatory authority to PHMSA.

In assessing the need for changes to the regulations, PHMSA monitors the safety performance of the transportation system, including incident and accident reports, recommendations from the NTSB and the U.S. Chemical Safety and Hazard Investigation Board, international regulatory developments, and non-transportation incidents involving hazardous materials to identify areas where safety enhancements should be implemented. PHMSA also evaluates requests for new or amended regulations received from the general public, the regulated industry, other government agencies, and DOT's operating administrations (FAA, FMCSA, FRA and the USCG under the DHS).

PHMSA employs an integrated set of analytical and regulatory tools, including setting safety standards, analyzing trends in accidents and incidents, monitoring the performance of the hazardous materials transportation system, and identifying vulnerabilities. These activities are heavily dependent on data to identify high-risk shippers, high-vulnerability routes and transfer points, and unsafe carriers.

#### The HMR are designed to achieve four goals:



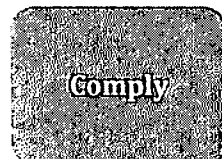
- To ensure hazardous materials are packaged and handled safely and securely during transportation, hazardous materials are categorized into hazard classes and packing groups based upon the transportation risks.



- To minimize the consequences of an incident should one occur, the HMR require shippers to properly package the materials commensurate with the risks they pose in transportation.



- To provide effective communication to transportation workers and emergency responders regarding the hazards of the materials being transported, the HMR require hazard communications through use of shipping papers, package marking and labeling, and vehicle placarding. Additionally, the HMR require shippers to provide emergency response information applicable to the specific hazards of the material being transported.

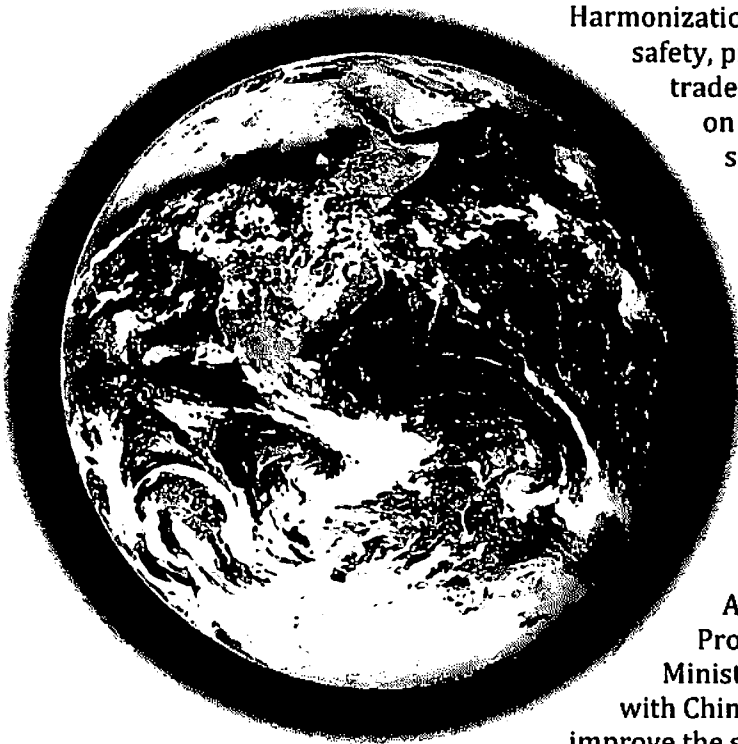


- To improve awareness of and adherence to relevant laws and regulations, PHMSA evaluates risk, enforces safety standards, educates stakeholders, investigates incidents and failures, conducts research, and supports the emergency response community.



In addition, the HMR specify security requirements for certain classes and quantities of hazardous materials. Finally, the HMR mandate training requirements for persons who prepare hazardous materials for shipment or who transport hazardous materials in commerce.

The DOT is striving to enhance global connectivity by making it a priority to pursue international transportation safety standards that are consistent with the high level of safety standards required by U.S. regulations. Virtually all hazardous materials imported to, or exported from, the U.S. are transported in accordance with international regulations and the HMR. The objective of DOT's hazardous materials safety program is to continue to maintain a global system of hazardous materials transportation regulations that will enhance the safe and efficient movement of hazardous materials across borders and jurisdictions.



Harmonization with international standards enhances safety, promotes compliance, and facilitates free trade while minimizing the regulatory burden on the public. Participation in international standard setting bodies ensures U.S. interests are considered in the development of global standards and affords an opportunity to promote requirements that are consistent with DOT's transportation safety and efficiency goals.

For example, DOT successfully led recent international efforts to develop requirements for the safe transportation of fuel cell cartridges and equipment or vehicles powered by fuel cells.

Additionally, in support of a Cooperative Project Arrangement with the Chinese Ministry of Transport, DOT successfully worked with China on a number of initiatives to improve the safety, security, and economic viability of

hazardous material shipments between the U.S. and China. The hazardous material shipments between the U.S. and China pose inherent risks to the public and the environment, but are essential to our quality of life, making their safe, secure, and reliable transportation a matter of significant national interest. China is one of the largest U.S. trading partners for hazardous materials. DOT's strategy will create new commercial opportunities for U.S. companies by ensuring high safety standards consistent with U.S. standards are met, while reducing hindrances caused by potentially conflicting regulations.



**DOT supports a uniform, global approach to the safe transportation of hazardous materials through participation in the following international organizations:**



**United Nations  
(UN)**

Committee of  
Experts on the  
Transport of  
Dangerous Goods  
and Globally  
Harmonized  
System of  
Classification and  
Labeling  
Chemicals

**International  
Civil Aviation  
Organization  
(ICAO)**

**International  
Maritime  
Organization  
(IMO)**

**International  
Atomic Energy  
Agency (IAEA)**  
Technical  
Committee on  
the Revision of  
International  
Regulations for  
the Safe  
Transport of  
Radioactive  
Materials

**International  
Standards  
Organization  
(ISO)**

DOT's objective is to promote a worldwide system that affords the necessary consistency between modal and regional regulations that will guarantee the safe and efficient movement of shipments.





## IV. Summary of the Basis for Hazardous Materials Special Permits

This section of the report provides a summary of the basis for Special Permits and Approvals. **Appendix C** contains a full list of hazardous materials special permits for the report period.

The HMR (49 CFR Parts 171-180) generally are performance-oriented regulations, and provide the regulated community with standards to meet safety requirements. Even so, not every transportation situation can be anticipated and incorporated into the regulations.

Special permits (previously called exemptions) are a necessary part of PHMSA's regulatory framework. New products or packagings become available every day and, often, the regulations do not adequately address these items. The hazardous materials statute recognizes this reality by authorizing PHMSA to issue a "special permit" allowing for transportation of such items as long as the terms of the permit provide a level of safety equivalent to the regulations or, if a required safety level does not exist, as long as a finding is made that the permit is consistent with the public interest and Federal hazardous materials law.

The hazardous materials regulations also require PHMSA to provide written authorization or "approval" for a person to perform a function that requires prior consent under the regulations. For example, PHMSA issues approvals covering the classification and transportation of explosives, certain lithium batteries, fuel cells, chemical oxygen generators, and radioactive materials. In addition, PHMSA issues approvals authorizing companies to manufacture certain types of packagings, such as cylinders, and to perform the tests and inspections required to ensure that the packaging may continue to be used for transporting hazardous materials. PHMSA also issues "competent authority" approvals for the transportation of hazardous materials in accordance with international transportation standards and regulations.

### **Recent major safety accomplishments of the PHMSA Hazardous Approvals and Permits Division include:**

- Incorporated 45 special permits into the HMR affecting hundreds of permit holders. The conversion of these 45 special permits has provided the appropriate regulatory relief to hundreds of permit holders
- Launched the Special Permit Safety Equivalency Recovery Plan to ensure all appropriate documentation is in place prior to issuance of special permits
- In 2010, processed over 24,000 applications for approvals [21,000+] and special permits [3,200+] (up from 10,000 in 2009) (As shown in Figure IV-1 on page 14)
- Drafted and implemented Action Plans for both Special Permits and Approvals
- Developed and published standard operating procedures for Approvals and Permits Program
- Implemented Safety Fitness procedures and held a public meeting
- Audited all DOT-Explosive Test Laboratories
- Established new on-line application process for the Approvals and Permits Program



Since 2009, the number of approvals and special permit applications has consistently increased each year. In 2010 PHMSA received 4,781 special permit applications and over 18,000 approval applications; similar or higher numbers are anticipated in 2011.

As shown in **Table VI-2** and **Table VI-3** below, in 2009 and 2010, respectively, there were 2,107 and 3,239 special permit applications received, and 1,878 and 1,790 special permits approved.

**Table IV-2: 2009 Special Permit Applications by Mode**

Mode	New	Renewal	PTE*	Mods**	Revision	Total	Granted
Motor Vehicle	56	391	301	30	8	786	691
Rail Freight	6	131	83	3	0	223	181
Cargo Vessel	3	18	3	1	0	25	24
Ferry Vessel	2	1	0	0	0	3	2
Cargo Aircraft	15	15	3	4	0	37	32
Passenger Aircraft	1	5	3	1	0	10	8
Intermodal	69	627	277	45	5	1,023	940
<b>Total</b>	<b>152</b>	<b>1,188</b>	<b>670</b>	<b>84</b>	<b>13</b>	<b>2,107</b>	<b>1,878</b>

Source: Hazardous Materials Information System, data as of April 28, 2011

**Note:** All data are arrayed by Calendar Year

**Table IV-3: 2010 Special Permit Applications by Mode**

Mode	New	Renewal	PTE*	Mods**	Revision	Total	Granted
Motor Vehicle	73	735	540	21	0	1,369	680
Rail Freight	11	196	79	4	0	290	165
Cargo Vessel	1	31	4	1	0	37	23
Ferry Vessel	0	0	0	0	0	0	0
Cargo Aircraft	47	51	10	11	0	119	61
Passenger Aircraft	4	11	1	2	0	18	5
Intermodal	120	953	244	87	2	1,406	856
<b>Total</b>	<b>256</b>	<b>1,977</b>	<b>878</b>	<b>126</b>	<b>2</b>	<b>3,239</b>	<b>1,790</b>

Source: Hazardous Materials Information System, data as of April 28, 2011

**Note:** All data are arrayed by Calendar Year

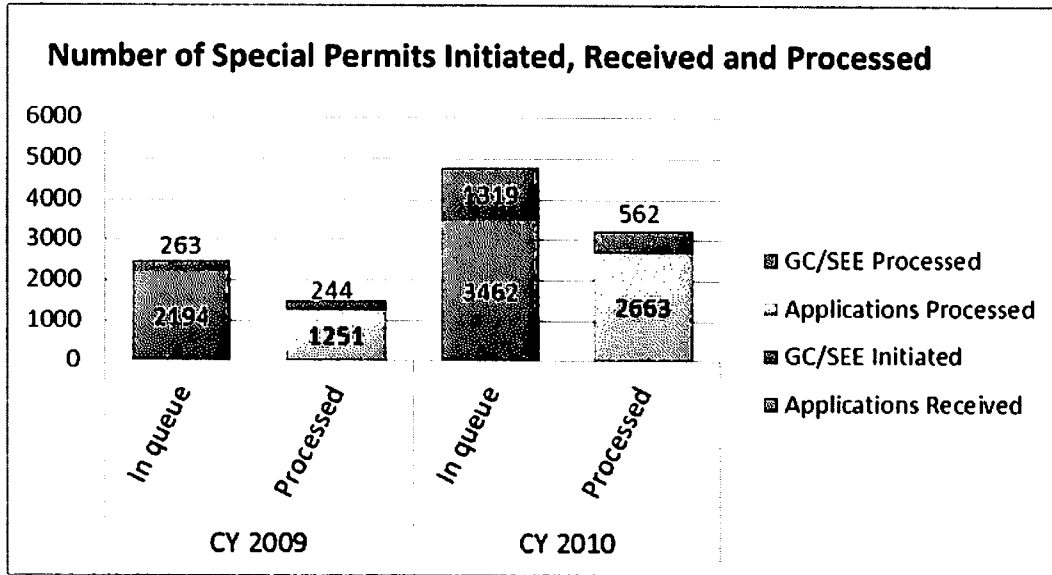
\* The figures reflect applications for status as "party-to-exemption" (PTE). Party means a person, other than the initial grantee, authorized to act under the terms of the special permit.

\*\* The figures reflect applications for modifications to a special permit.



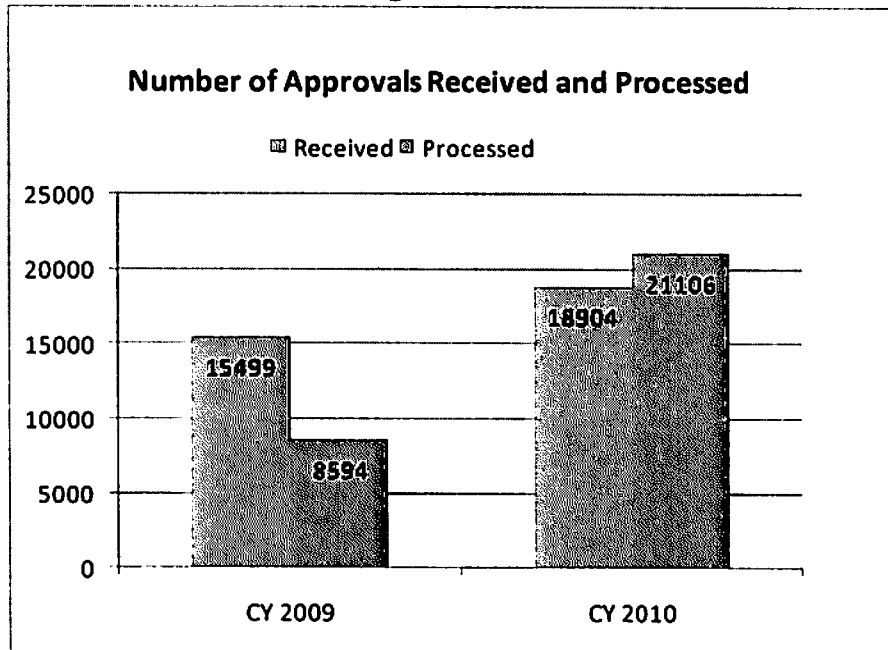
From Calendar Year 2009 to Calendar 2010, there was a doubling of the number of special permits applications initiated and processed by PHMSA. There was also a 22% increase in the number of approvals received, and an even greater increase—146%—in the number of approvals processed. Figures IV-1, IV-2, IV-3 and IV-4, below, provide a better understanding of the work load of the hazardous materials Special Permits and Approvals Office.

Figure IV-1



Source: Hazardous Materials Information Portal, April 2011

Figure IV-2

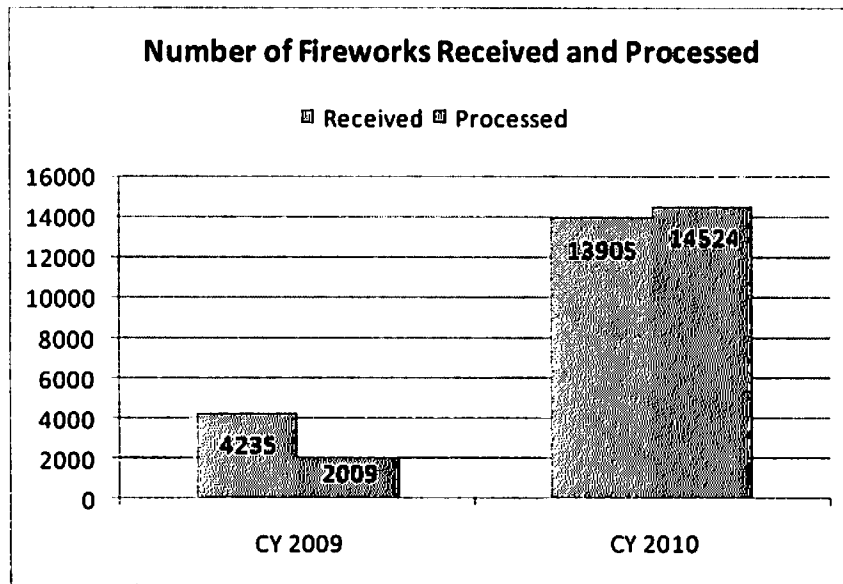


Source: Hazmat Intelligence Portal, April 2011



As shown in **Figure IV-3**, for fireworks, PHMSA saw roughly a 20% increase in the number of approval applications received in 2010 over 2009. It is important to note that PHMSA staff processed nearly 145% more applications in that same period.

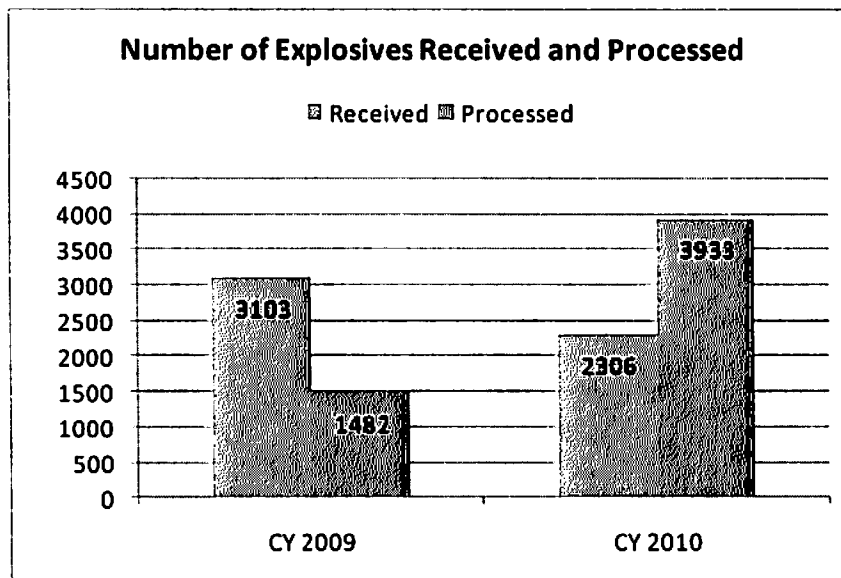
**Figure IV-3**



Source: Hazmat Intelligence Portal, April 2011

**Figure IV-4** shows that for explosives, although the number of approval applications received dropped by approximately one quarter from 2009 to 2010, the number of approvals processed more than doubled.

**Figure IV-4**



Source: Hazmat Intelligence Portal, April 2011



## V. Highlights and Evaluation of Hazardous Materials Regulations Enforcement and Voluntary Compliance Activities

This section of the report highlights enforcement and compliance activities relating to a function regulated by the Secretary under the Federal hazmat law section 5103(b)(1) and the degree of voluntary compliance with the regulations. As shown below, each DOT mode has performed a variety of enforcement and compliance activities.

### FAA

In 2009 and 2010, the FAA HMSP conducted two national compliance and enforcement operations –one on cargo-only air carriers, and another on Part 135 commuter and on-demand air carriers and Part 129 foreign air carriers–in addition to regional operations. The HMSP also began plans for a national operation focusing on lithium batteries.

In the fall of 2010, the FAA created a model for an automated tool that would utilize hazmat data in the HIP to rank shipper facilities based on a set of risk factors to identify leads for potential shipper compliance and enforcement activities.

### FMCSA

The FMCSA utilizes both Federal and State partners to carry out the agency's hazardous materials program. Through roadside inspections of commercial motor vehicles and a variety of motor carrier reviews, FMCSA's field staff, and the approximately 10,000 motor carrier inspectors in the Motor Carrier Safety Assistance Program effectively oversee highway transportation of hazardous materials. FMCSA has also taken on the responsibility for motor carrier hazardous materials security through its Security Sensitivity Visits and Security Compliance Reviews. Finally, FMCSA and State personnel have been active in the Hazardous Materials Package Inspection Program (HMPIP), the conduct of MASFO's, and its oversight of cargo tank manufacturing and inspection facilities.

### FRA

"Train consist" is a railroad term referring to all the cars (with the exception of the locomotive) in a complete train. FRA has a long standing project to improve the accuracy of paperwork concerning rail shipments of hazardous materials. Consists are critical to emergency responders during accidents because they contain the required hazard communication information on hazardous materials shipments in the train. Since the program's inception, the numbers showed significant progress in reducing the possibility that emergency





responders would face inaccurate information when responding to railroad accidents. However, a focused approach was needed to ensure information was available and accurate for the protection of the public. FRA inspectors continued to monitor train consist accuracy in 2009 and 2010 by conducting individual inspector audits at major yards. Each inspector was required to conduct 10 quarterly random train consist inspections to verify standing order vs. consist order and shipping paper/emergency response contact accuracy. Efforts on the two specific railroads with compliance rates above 10% focused on a system-wide. As a result of the continued oversight, compliance rates continued to improve during the time frame. Both railroads with high compliance rates experienced significant improvements.

A 2008 audit of the Class I railroad training programs indicated areas of potential concern with safety and security training and security plan compliance. In 2009 FRA took action in response to the audit by focusing efforts to determine the level of compliance required in Subparts H and I of 49 CFR Part 172 for regional and shortline railroads. Throughout the year, regional personnel visited shortline and regional railroads within their territories and determined compliance levels of these requirements. These activities, conducted as part of the normal inspection program, were successful in evaluating the compliance level of 62% (209 of 335 impacted) railroads. The review revealed that small railroads did not experience the same problems as their larger counterparts.

In 2010 FRA and PHMSA, in consultation with the Transportation Security Administration (TSA), also conducted a security sensitive materials routing analysis. The review determined that railroads had complied with the requirements of 73 FR 72182, which requires rail carriers to select a practicable route posing the least overall safety and security risk to transport security-sensitive hazardous materials.

## **PHMSA**

To ensure that all the requirements of special permits and approvals issued are followed, and all related hazardous materials movements are safe, PHMSA employs a number of enforcement and compliance strategies, including frequent field inspections. Keeping hazardous materials contained in approved packages is often the most basic safety management practice. PHMSA understands that low probability hazardous materials accidents can lead to high consequence incidents, so it leverages its staff of 57 fully-trained hazardous materials enforcement professionals.

The Agency's field inspectors are technical experts in multimodal packaging, special permits, approvals, explosives, radioactive materials, cylinders, shippers, and transporters. Additionally, PHMSA's safety assistance team provides direct outreach and guidance to organizations involved in the hazardous materials transportation system and support to the hazardous materials emergency response community. During the past two years, PHMSA conducted over 3,000 inspections of regulated companies and provided hazardous materials outreach to over 10,500 stakeholders.

PHMSA utilizes several tools to maximize the outcomes of its resources and activities. The Agency leverages its resources by conducting joint activities with other Federal, State, and local law enforcement personnel. PHMSA conducted 13 Multi-Agency Strike Force Operations (MASFO) in



2009 and 14 MASFOs in 2010, with two operations conducted in Baltimore, Maryland. The MASFOs brought a number of regulatory and law enforcement agencies together from across the U.S. to include the first-ever international operation with Interpol.<sup>2</sup>

These efforts focused on risk-based inspections of containerized and portable tank cargoes, and risks posed by trucks, trailers, and chassis that may have not been fully in compliance with safety standards. The joint efforts in the past two years resulted in the safety inspection of 7,534 hazardous materials containers. These efforts also produced 1,254 total truck inspections in 2009 and 2010, resulting in 105 being placed out-of-service. Table V-1 outlines the number of enforcement activities by mode for 2009 and 2010.

**Table V-1: Enforcement Activities by Mode, 2009-2010**

Mode	Activity	Transaction Year	
		2009	2010
FAA <sup>3</sup>	INSPECTIONS	10,584	8834
	VIOLATIONS*	2,274	2,108
	PENALTIES	684	578
PHMSA <sup>4</sup>	INSPECTIONS	1,935	1,940
	VIOLATIONS*	2,557	2,392
	PENALTIES	515	507
FMCSA <sup>5</sup>	INSPECTIONS	223,029	210,790
	VIOLATIONS**	67,762	58,519
	PENALTIES^	424	422
FRA <sup>6</sup>	INSPECTIONS	12,578	11,564
	VIOLATIONS**	23,922	19,908
	PENALTIES+	897	805

\* Number of violations reflects number of actual reports containing violations. Each report may have multiple violations cited, but this number only counts the first violation (for example, 1 report may have up to 100 violations, but this number will only count 1 violation)

\*\*Number of violations reflects total number of violations contained in each report

+ Number of penalties represents initiated cases

^Not all penalties are related to the Hazardous Materials Regulations

<sup>2</sup> Interpol, whose full name is the International Criminal Police Organization – INTERPOL, is an organization facilitating international police cooperation. It was established as the International Criminal Police Commission in 1923.

<sup>3</sup> Source: FAA's Enforcement Investigation System

<sup>4</sup> Source: Hazardous Materials Information System and Hazmat Intelligence Portal U.S. Department of Transportation

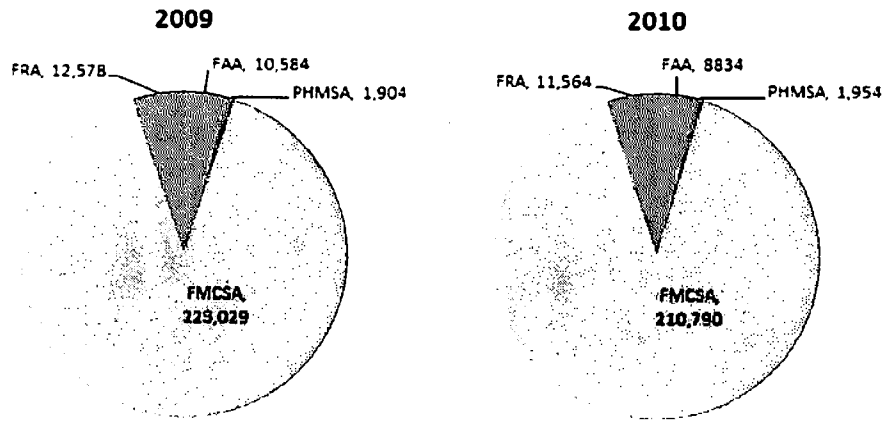
<sup>5</sup> Source: Inspections, Reviews, Safety Audits and Violations: Motor Carrier Management Information System (MCMIS) as of 3/25/2011. This information is available through the FMCSA Analysis and Information (A&I Online website, through the Safety Programs link (<http://ai.fmcsa.dot.gov/SafetyProgram/home.aspx>). Penalties/Enforcement Cases: Enforcement Management System (EMIS) as of 3/25/2011)

<sup>6</sup> Source: FRA's Railroad Inspection System – Personal Computer (RISPC) database



The same data is displayed below in Figures V-1, V-2 and V-3, where the wide range of enforcement activities between modes is more evident.

**Figure V-1: Inspections by Mode**



**Figure V-2: Violations by Mode**

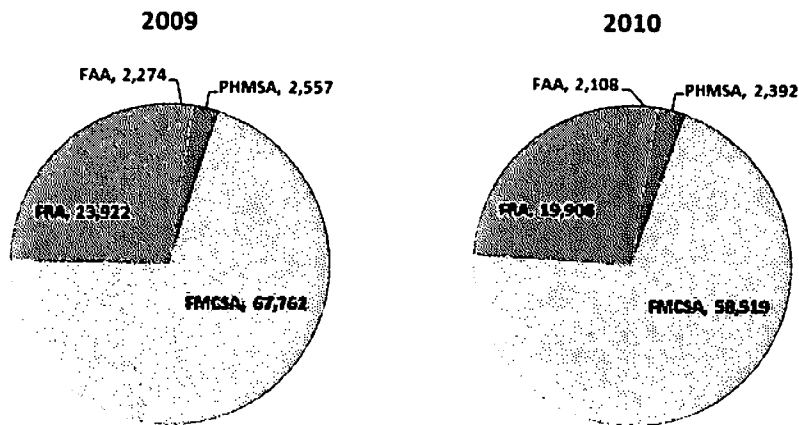
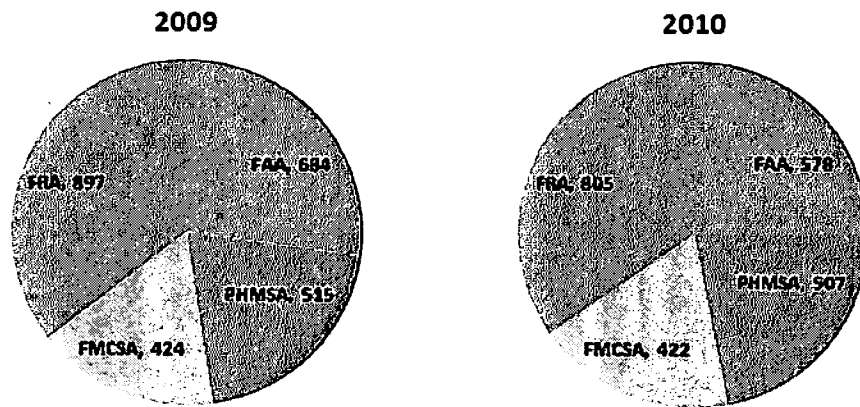






Figure V-3: Penalties by Mode



DOT promotes voluntary compliance with regulations in several ways:

SISP is a voluntary compliance program dedicated to addressing activities posing the greatest risk in transportation. The program focuses on industry quality assurance and integrity management principles to enhance compliance and continually improve safety. SISP addresses compliance issues for eligible shippers, manufacturers and carriers that—based on their incident and or compliance history—pose the greatest risk to transportation safety or involve very broad nationwide matters.

Through an agreement with an entity, the process includes:

and

es, and

In return, entities that adopt this approach accelerate compliance, improve safety and reduce the likelihood of hazardous materials releases in transportation.

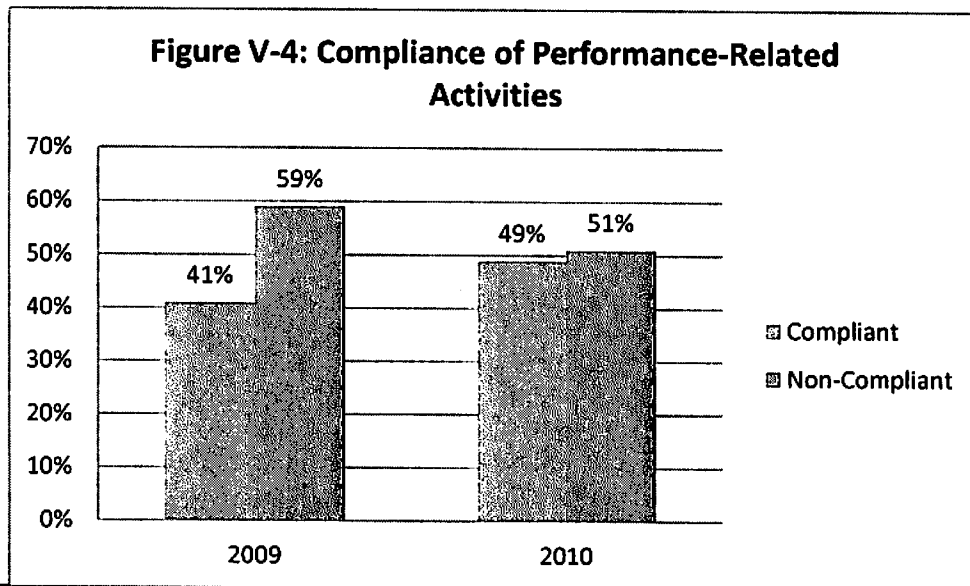
Since 2007, nine SISP agreements have been completed affecting over 7,000 various hazardous materials shippers and transporters; three more are on-going. One example of the successful outcome involved reverse logistics in the retail industry. **The impact of this initiative:**



- affected the battery, pharmaceutical, and transportation industries
- affected 50,000 shippers and carriers
- affected 1.4 million employees
- resulted in a 90 percent compliance rate improvement
- resulted in more than \$30 million in improvement investment

PHMSA's Field Operations Division focuses on packaging. The agency's Alternative Validation Testing (AVT) is a second voluntary compliance program. This initiative was designed to provide packaging manufacturers the opportunity to demonstrate UN performance testing on package designs selected by PHMSA. Testing is done by the packaging manufacturers with a PHMSA investigator present. Based on the success of this pilot program, PHMSA decided to make manufacturer-demonstrated compliance testing, or AVT, a permanent option. PHMSA will use AVT to promote greater package design integrity and compliance by the packaging manufacturers and, in doing so, increase hazardous material transportation safety.

Figure V-4 shows the percentage of compliance v. non-compliance for PHMSA's performance related activities<sup>7</sup> in 2009 and 2010.



<sup>7</sup> Performance Related Activities include Facility Inspections, Observation Inspections, and Investigations. *Compliant* includes the following action codes: Advisory letter, No further action, Awaiting test results, See Summary.

*Non-compliant* includes the following action codes: Enforcement Report, Ticket, Warning Letter.



In Calendar Year 2010, there was an 8% increase in compliance, marking an overall improvement in industry compliance in 2010.

In order to determine the effectiveness of PHMSA's hazardous materials inspection and investigation program, the agency measures recidivism, or re-inspections of entities previously subject to a civil penalty case or ticket. The purpose of the re-inspection is to verify compliance by an entity known to have violated the Federal hazardous materials transportation law in the past. Unless directed by management, or circumstances present based on a complaint or accident warranting a shorter duration, an entity involved in a civil penalty case becomes eligible for re-inspection one year after issuance of an uncontested final order or, if contested, one year after the final dispensation. An entity receiving a ticket for noncompliance becomes eligible for re-inspection 6 months after the ticket action is closed.

Figure V-5 displays the recidivism rate for PHMSA's performance related activities between 2007 and 2010.

**Figure V-5: Recidivism Rate for Performance Related Activities**

Activity Year	# of Performance Related Activities	# of Re-Inspections*	% Re-Inspections**	# of Re-Inspections with Non-Compliance+	% of Re-Inspections with Non-Compliance++
2007	1242	190	15.30%	80	42.11%
2008	1607	322	20.04%	130	40.37%
2009	1906	353	18.52%	130	36.83%
2010	1933	262	13.55%	98	37.40%

**Note:** *Non-Compliant* includes the following action codes: 'ENFORCEMENT REPORT' or 'TICKET'. *Compliant* includes the following action codes: 'ADVISORY LETTER', 'NO FURTHER ACTION', 'AWAITING TEST RESULTS', 'WARNING LETTER', or 'SEE SUMMARY'.

- \**Re-Inspections* are PHMSA performance related activities associated to a re-inspection case number.
- \*\*% *Re-Inspections* is measuring:  $(\# \text{ of Re-Inspections}) / (\# \text{ of Performance Related Activities})$
- +*Re-Inspections with Non-Compliance* represents *Re-Inspections* that have an action code of: 'ENFORCEMENT REPORT' or 'TICKET'.
- ++% of *Re-Inspections with Non-Compliance* is measuring:  $(\# \text{ of Re-Inspections with Non-Compliance}) / (\# \text{ of Re-Inspections})$

Out of the 3,839 total performance related activities in 2009 and 2010, 615 (16%) were re-inspections which were conducted to revalidate the compliance of companies who were previously issued enforcement reports or tickets. Of the 615 re-inspections, 228 (37%) of the companies were found to be non-compliant with regulations, meaning these companies were found to have continuing violations of regulations. The remaining 63% of companies were found to be in compliance with regulations during the time of the re-inspection, as a direct result of PHMSA's



enforcement actions taken after the previous inspection performed on them. This is a 4% increase from the aggregate percent of re-inspections with compliance in 2007 and 2008, which was 59%. PHMSA aims to continue to increase the compliance of companies that have re-inspections.

## VI. Summary of Outstanding Problems Noted in the Hazardous Materials Program

This section provides a summary of outstanding problems in carrying out this chapter in order of priority. **There were four major issues identified between 2009 and 2010 that are currently being addressed by DOT, which are summarized below. These include:**

1. National Transportation Safety Board Recommendations
2. Special Permits & Approvals
3. Hazardous Materials Emergency Preparedness (HMEP) Grants Program
4. Information Technology Modernization

### 1. National Transportation Safety Board Recommendations

PHMSA and its modal partners are addressing 12 of the 22 NTSB recommendations through rulemaking action. The remaining recommendations are being addressed through: (1) outreach; (2) ongoing research; (3) partnership with other agencies; and (4) internal review for decision-making a course of action. The rulemaking actions for improving the safe transportation of hazardous materials address recommendations dealing with: (1) lithium batteries transported aboard aircraft; (2) unprotected piping on cargo tank motor vehicles; and (3) the bulk loading and unloading of hazardous materials. The summary below provides the status as of March 2011 for the three significant rulemakings that will address NTSB recommendations:



## **A. Hazardous Materials: Revisions for the Transportation of Lithium Batteries**

**Popular Title:** Transportation of Lithium Batteries Aboard Aircraft

**RIN 2137-AE44**

**Stage:** Final Rule

**Previous Stage:** NPRM: Publication Date 1/11/2010; End of Comment Period 3/12/2010.

**Abstract:** The final rule related to the transportation of lithium batteries is in the Office of Management and Budget (OMB) for review and clearance. The rulemaking would impose more effective safeguards, including enhanced packaging, hazard communication, and operational measures for various types and sizes of lithium batteries.

**Effects:** Significant Regulatory Flexibility Act

**Prompting action:** NTSB Recommendations; Congressional Interest

**Legal Deadline:** None

**Rulemaking Project Initiated:** 03/26/2009

**Docket Number:** PHMSA-2009-0095

**Federal Register Citation for NPRM:** 75 FR 1302

## **B. Hazardous Materials: Safety Requirements for External Product Piping on Cargo Tanks Transporting Flammable Liquids (Wetlines)**

**Popular Title:** Cargo Tank Truck Wetlines Rulemaking

**RIN: 2137-AE53**

**Stage:** NPRM

**Previous Stage:** None

**Abstract:** On January 27, 2011, PHMSA published an NPRM with a comment period ending March 28, 2011, that would amend the Hazardous Materials Regulations to prohibit flammable liquids from being transported in unprotected product piping on existing and newly manufactured cargo tank motor vehicles. On March 17, 2011, PHMSA published an NPRM extending the comment period from March 28, 2011 until April 27, 2011.

Based on incident analysis and our assessment of the technologies currently available to remove cargo from product lines after loading, PHMSA believes that a rulemaking to prohibit the transportation of flammable liquids in wetlines will reduce the safety risks associated with one of the highest risk commodities transported without imposing undue cost burdens on the regulated community.

**Effects:** Significant

**Prompting action:** NTSB Recommendation; Congressional interest

**Legal Deadline:** None

**Rulemaking Project Initiated:** 09/01/2009

**Docket Number:** PHMSA-2009-0303



**Federal Register Citation for NPRM: 76 FR 4847; 76 FR 14643**

**C. Hazardous Materials: Loading and Unloading of Bulk Packaging**

**Popular Title:** Loading/Unloading Rulemaking

**RIN:** 2137-AE37

**Stage:** NPRM

**Previous Stage:** None

**Abstract:** PHMSA data show that the most dangerous part of cargo tank motor vehicle transportation occurs when a hazardous material is being transferred by hose or pipe between the holding facility and the cargo tank. The data also show that human error and equipment failure cause the greatest number of incidents during loading and unloading operations, sometimes with tragic consequences.

PHMSA has proposed a rule that would require additional training for employees and new safety requirements for motor carriers and facilities that transfer hazardous materials to and from cargo tank motor vehicles.

**Effects:** Significant

**Prompting action:** NTSB Recommendation

**Legal Deadline:** None

**Rulemaking Project Initiated:** 06/14/07 Note that PHMSA hosted a public workshop at the onset of the rulemaking project in June 2007 and also published a notice soliciting comments on a set of recommended practices for loading and unloading operations involving bulk packagings.

**Docket Number:** PHMSA-2007-28119

**Federal Register Citation for Notice and NPRM:** 73 FR 916; 76 FR 13313

Our modal partners also addressed hazmat related NTSB recommendations during this reporting period.

On May 18, 2011, NTSB assigned to FAA recommendation A-11-42, calling for "a method to quickly communicate information regarding the number of persons on board and the presence of hazardous materials to emergency responders when airport emergency response or search and rescue is activated." The US Panel Member to the ICAO Dangerous Panel developed a proposal for flight dispatchers to be provided with the same information on hazardous materials onboard an aircraft as is provided to the pilot-in-command. Information requirements to the pilot-in-command are required under 49 CFR 175.33. The flight dispatcher is a highly trained job function, and is licensed by the FAA to share responsibilities with flight crew during flight operations, including emergencies. Regardless of the type of accident or location, the dispatcher will be best equipped to provide emergency responders with the information required. The proposal was adopted by the ICAO Dangerous Goods Panel and the DOT will give serious consideration to harmonizing US hazardous materials regulations with this provision.



## 2. Special Permits & Approvals

PHMSA successfully closed all outstanding DOT OIG Audit Recommendations with respect to its Special Permits and Approvals Program, and made great progress in eliminating previous significant backlog in those programs. **Appendix D** contains PHMSA's response to the OIG Final Report on Special Permits and Approvals Program.

**By recently closing all ten OIG Audit Recommendations, PHMSA improved the effectiveness of the Special Permits and Approvals Program to the industry. Specifically, PHMSA:**

- Eliminated all backlogs in the fireworks and explosive approvals despite the marked growth in the number of applications received. For example, in 2010, PHMSA received close to four times as many fireworks applications as it had the year before. And in 2011, PHMSA is on pace to receive more than double last year's number of applications
- Implemented and nearly completed a recovery plan to ensure all safety equivalency documentation is in place prior to the issuance of any new special permits or renewal of existing special permits, as required by PHMSA's regulations
- Developed and published standard operating procedures for all Approvals and Special Permits business processes
- Published safety fitness procedures and held a public meeting to solicit further industry input on such processes
- Audited all of PHMSA's independent Explosive Test Laboratories and implemented new procedures for qualifying such laboratories
- Introduced an on-line application capability to better streamline processes and to help industry applicants
- Discontinued issuing special permits to trade associations on behalf of their listed members and implemented plans to eliminate all association special permits

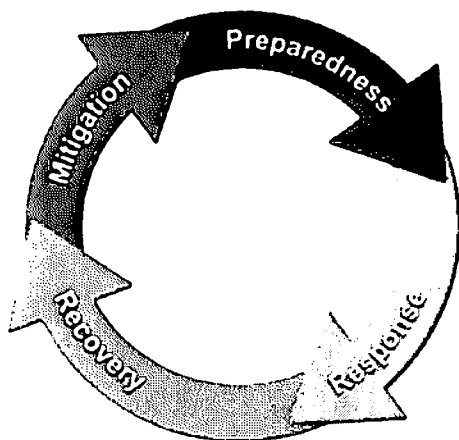
FMCSA aided PHMSA in these efforts through closely working on standards and procedures for reviewing motor carrier applicants for compliance with Federal Motor Carrier Safety Regulations and the Hazardous Materials Regulations pertaining to motor carriers. The sharing of motor carrier information through the use of HIP allowed FMCSA and PHMSA to work together to streamline the processing of motor carrier applicants for HM Special Permits. Due to the inception of the Compliance, Safety and Accountability (CSA) system utilized by FMCSA to track motor carrier safety data, the processes and procedures continue to evolve and improve.

## 3. Grants Program



In addition to the regulatory actions PHMSA uses to improve the safety of the transportation of hazardous materials, Congress created the Hazardous Materials Emergency Preparedness (HMEP) Grants Program in 1992. The program helps States, local governments and Native American Tribes develop, improve, and implement emergency plans, train firefighters and other emergency response personnel to respond to accidents and incidents involving hazardous materials, determine flow patterns of hazardous materials within a State, or between States, and determine the need within a State for equipment and regional hazardous materials emergency response teams. More than 2.5 million emergency responders have been trained using HMEP funds since the program's inception.

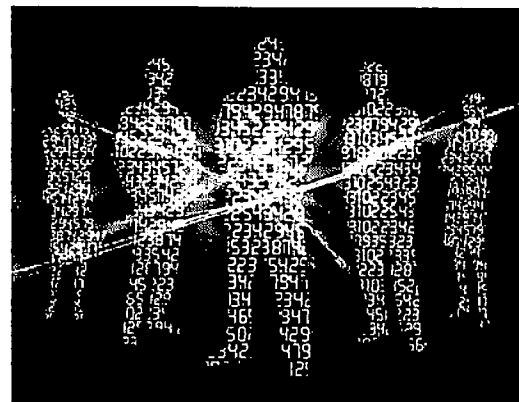
In 2010 an OIG audit and an internal program evaluation of the HMEP Grants Program were commissioned to ensure that the funds allocated to States, territories and Native American Tribes



are being accounted for and used for their intended purpose. Program gaps have been identified in the HMEP Program and include issues with appropriateness of grant activities and lack of documentation for reimbursement claims. The preliminary findings have already triggered improvements to the program. For example, PHMSA initiated an Action Plan to address deficiencies in the Grants Program and has released a sample application that provides State and territorial grantees with best practices demonstrating effective planning and training activities for the upcoming grant cycle.

#### 4. Information Technology (IT) Modernization Plan

Information Technology (IT) Modernization Plan funding, if not approved by Congress as submitted in the President's FY 2012 Budget, will greatly impact the speed and breadth in which PHMSA's IT improvements can be implemented to improve the quality, quantity and interoperability of hazardous materials incident data. In order for PHMSA to truly become a risk-based, data-driven organization, improvement and expansion of its IT architecture and capability is imperative.







## VII. Recommendations for Appropriate Hazardous Materials Program Legislation

This section provides a recommendation by PHMSA for appropriate legislation.

### **Establishment of a Hazardous Materials Approvals and Permits Fund**

In its FY 2012 budget PHMSA proposed to assess fees from Special Permits and Approvals (SP&A) applicants to offset the costs of administering, processing, and enforcing the hazardous materials special permits and approvals. The cost of the SP&A program includes personnel compensation and benefits for SP&A staff and contract payments; information systems and technology which provide capabilities for on-line application submission, application processing and review, data storage, and preliminary fitness evaluation; travel expenses for fitness evaluations, inspections, and enforcement actions; and contractor support for financial services, information and data processing, administrative assistance and safety equivalency evaluations. It is projected that PHMSA will collect \$11.7 million in FY 2012.



## Appendix A

### Report on Regulation of Methamphetamine Byproducts in Transportation

This section satisfies requirements under 49 U.S.C. 5103, to provide the Committee on Transportation and Infrastructure of the House of Representatives and the Senate Committee on Commerce, Science, and Transportation information concerning the designation of all by-products of the methamphetamine-production process as hazardous materials for purposes of 49 U.S.C. Chapter 51.

On March 9, 2006, the President signed into law the USA PATRIOT Improvement and Reauthorization Act of 2005, Public Law No. 109-177, 120 Stat. 192 (2006) (USA PATRIOT Act). PL No. 109-177 (120 Stat. 192-277) extends and modifies provisions in the USA PATRIOT ACT and is divided into seven titles.

Title VII, the "Combat Methamphetamine Epidemic Act of 2005," sets forth provisions relating to: (1) the domestic and international regulation of precursor chemicals; (2) enhanced criminal penalties for methamphetamine production and trafficking; (3) enhanced environmental regulation of methamphetamine byproducts; and (4) various additional programs and activities.

The DOT designates materials that pose an unreasonable risk to health and safety or property when transported in commerce as hazardous materials for purposes of the Federal hazmat law and the HMR. These include materials that are specifically listed by name in the Hazardous Materials Table (49 CFR 172.101), materials that meet hazard classification criteria set forth in the HMR such as for flammability, toxicity and corrosivity, and materials that are hazardous wastes under regulations promulgated by the Environmental Protection Agency (EPA). Based on the information available to us, we believe all hazardous by-products of methamphetamine production are regulated as hazardous materials under the HMR.

**TABLE A-1. Cyanides**

Substance	Form	ID Number	Hazard Class	Exposure
Sodium Cyanide	Solid	UN1689	6.1	Skin, Eyes, Ingestion



**TABLE A-1. Cyanides**

Substance	Form	ID Number	Hazard Class	Exposure
Potassium Cyanide	Solid	UN1680	6.1	Skin, Eyes, Ingestion
Benzyl Cyanide	Liquid	UN2810	6.1	Skin, Eyes, Inhalation, Ingestion
Hydrogen Cyanide	Gas, Liquid	UN1051	6.1	Inhalation

\*Refer to 40 CFR 261.33 for listings, as well as 40 CFR 261.23 (characteristic of reactivity) for cyanide-bearing waste.

**Health Effects:**

If solid cyanide salts come in contact with acid, hydrogen cyanide gas will be released. Inhalation of hydrogen cyanide may result in rapid progression of symptoms to respiratory failure, coma and death. Ingestion of the salts may also lead to these symptoms, but hydrogen cyanide gas poses the greater exposure risk.

**TABLE A-2. Irritants and Corrosives**

Substance	Form	ID Number	Hazard Class	Exposure
Acetic Acid <sup>a</sup>	Liquid	UN2789	8	Skin, Eyes, Inhalation
Acetyl Chloride	Liquid	UN1717	3	Skin, Eyes, Inhalation
Ammonia (anhydrous)	Gas	UN1005	2.2	Skin, Eyes, Inhalation
Ammonium Hydroxide	Liquid	UN3318	2.2	Skin, Eyes, Inhalation
Benzyl Chloride <sup>a</sup>	Liquid	UN1738	6.1	Skin, Eyes, Inhalation
Dimethylsulfate	Liquid	UN1595	6.1	Skin, Eyes, Inhalation
Formaldehyde	Gas, Liquid	UN1198	3	Skin, Eyes, Inhalation
Formic Acid	Liquid	UN1779	8	Skin, Eyes, Inhalation



**TABLE A-2. Irritants and Corrosives**

<b>Substance</b>	<b>Form</b>	<b>ID Number</b>	<b>Hazard Class</b>	<b>Exposure</b>
Hydrogen Chloride/Hydrochloric Acid	Gas, Liquid	UN1789	8	Skin, Eyes, Inhalation
Hydrobromic Acid	Liquid	UN1788	8	Skin, Eyes, Inhalation
Hydriodic Acid	Liquid	UN1787	8	Skin, Eyes, Inhalation
Hydroxylamine <sup>a,b</sup>	Liquid, Solid	UN2811	6.1	Skin, Eyes, Inhalation
Methylamine <sup>a</sup>	Gas, Liquid, Solid	UN1235	3	Skin, Eyes, Inhalation
Methylene Chloride <sup>a</sup> (dichloromethane, methylene dichloride)	Liquid	UN1593	6.1	Skin, Eyes, Inhalation
Methyl Methacrylate	Liquid	UN1247	3	Skin, Eyes, Inhalation
Nitroethane <sup>a,b</sup>	Liquid	UN2842	3	Skin, Eyes, Inhalation
Oxalylchloride <sup>b</sup>	Liquid	UN2922	8	Skin, Eyes, Inhalation
Perchloric Acid <sup>c</sup>	Liquid	UN1873	5.1	Skin, Eyes, Inhalation
Phenylmagnesium Bromide <sup>a,b</sup>	Liquid	UN3399	4.3	Skin, Eyes, Inhalation
Phosphine <sup>a</sup>	Gas	UN2199	2.3	Eyes, Inhalation
Phosphorous Oxychloride	Solid	UN1810	6.1	Skin, Eyes, Inhalation
Phosphorous Pentoxide	Solid	UN1807	8	Skin, Eyes
Sodium Amide (Sodamide) <sup>b</sup>	Solid	UN3131	4.3	Skin, Eyes, Inhalation
Sodium Metal <sup>a,b</sup>	Solid	UN1428	4.3	Skin, Eyes
Sodium Hydroxide	Liquid, Solid	UN1823	8	Skin, Eyes



**TABLE A-2. Irritants and Corrosives**

Substance	Form	ID Number	Hazard Class	Exposure
Sulfur Trioxide	Liquid, Solid	UN1829	8	Skin, Eyes, Inhalation
Sulfuric Acid <sup>f</sup>	Liquid	UN1831	8	Skin, Eyes, Inhalation
Tetrahydrofuran <sup>a,b</sup>	Liquid	UN2056	3	Skin, Eyes, Inhalation
Thionyl Chloride	Liquid	UN1836	8	Skin, Eyes, Inhalation

\* Refer to 40 CFR 261.33 for a detailed listing.

a Flammable

c Flashpoint <141 degrees F

e >50% but  $\geq$  72% strength

b Explosive

d Uninhibited

f Unspent

**Health Effects:**

Vapors of volatile corrosives may cause eye irritation, lacrimation, conjunctivitis, and corneal injury. Inhalation may cause irritation of mucous membranes of the nose and throat, and lung irritation resulting in cough, chest pain, and shortness of breath. Pulmonary edema, coughing up of blood, and chronic lung disease may occur in severe cases. High concentrations of vapor may cause skin irritation. Additional symptoms of vapor inhalation may include headache, nausea, dizziness and anxiety. Phosphine may detonate, and has the odor of decaying fish. Direct contact with corrosives may result in severe eye or skin burns. Methylmethacrylate skin exposure may result in contact dermatitis and sensitization. Formaldehyde is a suspected human carcinogen. Formic acid ingestion or inhalation may result in kidney or liver damage. Sodium metal reacts violently with water. Tetrahydrofuran and Perchloric Acid can form explosive crystals.

**TABLE A-3. Solvents**

Substance	Form	ID Number	Hazard Class	Exposure
Acetone <sup>a</sup>	Liquid	UN1090	3	Skin, Eyes, Inhalation
Acetonitrile <sup>a</sup>	Liquid	UN1648	3	Skin, Eyes, Inhalation
Aniline	Liquid	UN1547	6.1	Skin, Eyes, Inhalation



**TABLE A-3. Solvents**

Substance	Form	ID Number	Hazard Class	Exposure
Benzene <sup>a</sup>	Liquid	UN1114	3	Skin, Eyes, Inhalation
Benzylchloride <sup>a</sup>	Liquid	UN1738	6.1	Skin, Eyes, Inhalation
Carbon Tetrachloride	Liquid	UN1846	6.1	Skin, Eyes, Inhalation
Chloroform	Liquid	UN1888	6.1	Skin, Eyes, Inhalation
Cyclohexanone <sup>a,d</sup>	Liquid	UN1915	3	Skin, Eyes, Inhalation
Dioxane <sup>a</sup>	Liquid	UN1165	3	Skin, Eyes, Inhalation
Ethanol <sup>a</sup>	Liquid	UN1170	3	Skin, Eyes, Inhalation
Ethyl Acetate <sup>a</sup>	Liquid	UN1173	3	Skin, Eyes, Inhalation
Ethyl Ether <sup>b,c</sup>	Liquid	UN1155	3	Skin, Eyes, Inhalation
Freon 11 (trichloromonofluoromethane)	Liquid	UN3082	9	Skin, Eyes, Inhalation
Hexane <sup>a</sup>	Liquid	UN1208	3	Skin, Eyes, Inhalation
Isopropanol <sup>a</sup>	Liquid	UN1219	3	Skin, Eyes, Inhalation
Methanol <sup>a</sup>	Liquid	UN1230	3	Skin, Eyes, Inhalation
Methylene Chloride (dichloromethane, methylene dichloride)	Liquid	UN1593	6.1	Skin, Eyes, Inhalation
Petroleum Ether <sup>a</sup>	Liquid	UN1993	3	Skin, Eyes, Inhalation
Pyridine <sup>a</sup>	Liquid	UN1282	3	Skin, Eyes, Inhalation



**TABLE A-3. Solvents**

Substance	Form	ID Number	Hazard Class	Exposure
Toluene <sup>a</sup>	Liquid	UN1294	3	Skin, Eyes, Inhalation
o-Toluidine <sup>a,b</sup>	Liquid	UN1708	6.1	Skin, Eyes, Inhalation

\* Refer to 40 CFR 261.31 and 40 CFR 261.33 for detailed listings.

a Flammable

c Ethers may form explosive peroxides

b Explosive

d ≥50% peroxide

**Health Effects:**

Inhalation of vapors at low concentrations may result in mild eye, nose and throat irritation. Symptoms of intoxication (drowsiness and loss of coordination) or loss of consciousness may occur at high concentrations. Liver and kidney impairment may also occur at high doses, or with prolonged exposure. Benzene is a known human carcinogen. Chloroform, carbon tetrachloride, dioxane, o-toluidine, and methylene chloride are probable human carcinogens. Spilling of freon on the skin may result in freezing injury. Ingestion of small amounts of methanol may lead to permanent damage to vision. Aniline can be readily absorbed through the skin and may cause mental confusion and decreased blood hemoglobin by all exposure routes. O-Toluidine is highly toxic when absorbed through the skin, inhaled as a vapor, or ingested, causing possible kidney injury.

**TABLE A-4. Metals/Salts**

Substance	Form	ID Number	Hazard Class	Exposure
Aluminum Chloride	Solid	UN1726	8	Skin, Eyes
Magnesium <sup>a,d</sup>	Solid	UN1418	4.3	Skin, Eyes
Palladium	Solid	UN3089	4.1	Skin, Eyes
Red Phosphorus <sup>b</sup>	Solid	UN1338	4.1	Skin, Eyes
Iodine	Solid	UN1759	8	Skin, Eyes
Mercuric Chloride	Solid	UN1624	6.1	Skin, Eyes
Lead Acetate	Solid	UN1616	6.1	Skin, Eyes
Lithium Aluminum Hydride <sup>a,b</sup>	Solid	UN1410	4.3	Skin, Eyes
Lithium Hydroxide	Solid	UN2680	8	Skin, Eyes
Potassium Hydroxide	Solid	UN1813	8	Skin, Eyes



**TABLE A-4. Metals/Salts**

Substance	Form	ID Number	Hazard Class	Exposure
Raney Nickel <sup>a,b</sup>	Solid	UN3178	4.1	Skin, Eyes
Sodium Hydroxide	Solid	UN1427	4.3	Skin, Eyes
Sodium Metal <sup>a,b</sup>	Solid in kerosene	UN1428	4.3	Skin, Eyes
Potassium Metal <sup>a,b</sup>	Solid in kerosene	UN2257	4.3	Skin, Eyes
Thorium Salts <sup>c</sup>	Solid	UN2976	Entry removed effective 10/1/04	Skin, Eyes

\*Other than lead acetate, none of these possess EPA Waste Numbers under 40 CFR 261.33; however, chemicals may exhibit one or more characteristics of hazardous waste. Refer to 40 CFR 261.21-.24 for characteristics (i.e., ignitability, corrosivity, reactivity, and/or toxicity).

- a Flammable      c Radioactive  
b Explosive      d Magnesium metal (powder, pellets, turnings on ribbon)

**Health Effects:**

Most metals and salts are stable solids with minimal potential for exposure unless ingested or the metal is present in the air as dust or fumes, if heated. Sodium and potassium metal, and sodium and lithium hydroxides are extremely corrosive in the presence of moisture. Lithium aluminum hydride, and sodium, magnesium and potassium metals are extremely reactive with air and water and can ignite or explode. (Hydrogen gas may be liberated which is explosive.) Thorium is an alpha-emitting radioactive material. Flu-like symptoms and possible lung damage may result from breathing metal fumes. Acute overexposure to lead or mercury salts may lead to nausea and vomiting, and long-term exposure can affect the central nervous system. Hematologic and neurologic complications and kidney damage may occur with chronic exposure to mercury salts. Red phosphorous, if contaminated with white phosphorous, may explode on contact, or with friction or heat, but is relatively nontoxic by ingestion.

**TABLE A-5. Miscellaneous**

Substance	Form	ID Number	Hazard Class	Exposure	Health Effects
Cyclohexanone	Liquid	UN1915	3	Skin	Irritant





TABLE A-5. Miscellaneous

Substance	Form	ID Number	Hazard Class	Exposure	Health Effects
Fentanyl	Solid	UN2811	6.1	Inhalation, Skin, Eyes	Narcotic drug product causing respiratory failure at extremely low doses (i.e., equivalent to a few grains of dust)
Hydrogen	Gas	UN1954	2.1	Inhalation	Flammable, Explosive
Lysergic Acid Diethylamide	Powder	UN2811	6.1	Ingestion, Inhalation	Hallucination at extremely low doses
MPTP, MPPP <sup>a</sup>	Solids	UN2811	6.1	Inhalation, Skin	By-product or intermediates of alphaprodine laboratories. (Extremely low doses may cause irreversible Parkinson's disease.)
Methylfentanyl	Solid	UN2811	6.1	Inhalation, Skin, Eyes	See "Fentanyl"
Phenylacetic Acid	Solid	Not DOT regulated	N/A	Skin, Eyes	Irritant
Phenyl-2-Propanone (phenylacetone)	Liquid	No Data	N/A	Skin, Inhalation	Irritant; few toxicity data available
Piperidine	Liquid	UN2401	8	Skin, Inhalation	Irritant; few toxicity data available

<sup>a</sup> MPTP (1-methyl-4-phenyl-1,2,3,6-tetrahydropyridine); MPPP (1-methyl-4-phenyl-4-propionoxypiperidine)



## Appendix B

### Regulations

*49 U.S.C. § 5121 (h)(2) – a list and summary of applicable Government regulations, criteria, orders, and exemptions*

#### Rulemaking and Notice Actions, 2009-2010

Docket Number and Subject	Action	Date	Summary
<p>Hazardous Materials: Improving the Safety of Railroad Tank Car Transportation of Hazardous Materials</p> <p>74 FR 1770</p> <p>FRA-2006-25169</p>	Final Rule	January 13, 2009	PHMSA published this final rule in coordination with the Federal Railroad Administration to revise the Hazardous Materials Regulations (HMR) to improve the crashworthiness protection of railroad tank cars designed to transport toxic inhalation hazard (TIH) materials. The final rule accomplished this by requiring enhanced design standards that will result in increased head and shell impact protection while imposing operating restrictions for trains hauling loaded tank cars containing TIH materials. In addition, the rule permits an increase in the gross weight on rail of tank cars meeting the enhanced design standards and requires that cars made of inferior steel be given priority replacement.
<p>Hazardous Materials: Revision to Requirements for the Transportation of Batteries and Battery- Powered Devices; and Harmonization with the UN Recommendations, IMDG Code, and ICAO's Technical Instructions</p> <p>74 FR 2200</p> <p>HM-224D &amp; HM-215J</p>	Final Rule	January, 14, 2009	PHMSA published this final rule to revise the HMR to maintain alignment with international standards by incorporating various amendments. These revisions are necessary to harmonize the HMR with recent changes to the IMDG Code, the ICAO's Technical Instructions, Transport Canada's TDG Regulations, and the UN Recommendations. These revisions also include amendments and clarifications addressing the safe transportation of batteries and battery-powered devices. Consistent with recent changes to the ICAO's Technical Instructions, PHMSA is clarifying the prohibition against transporting electrical devices, including batteries and battery-powered devices that are likely to create sparks or generate a dangerous amount of heat. PHMSA is also modifying and enhancing requirements for the packaging and handling of batteries and battery-powered devices, particularly in air commerce, to emphasize the safety



Docket Number and Subject	Action	Date	Summary
			precautions that are necessary to prevent incidents during transportation.
Hazardous Materials: Miscellaneous Cargo Tank Motor Vehicle and Cylinder Issues; Petitions for Rulemaking  74 FR 16135  HM-218E	Final Rule	April 9, 2009	PHMSA published this final rule to revise certain requirements applicable to the manufacture, maintenance, and use of DOT and MC specification cargo tank motor vehicles, DOT specification cylinders and UN pressure receptacles. The changes are intended to enhance the safe transportation of hazardous materials in commerce, clarify regulatory requirements, and reduce operating burdens on cargo tank and cylinder manufacturers, requalifiers, carriers, shippers, and users. The most significant amendment adopted in this final rule addressed a safety issue identified by the National Transportation Safety Board concerning the transportation of compressed gases in cylinders mounted on motor vehicles or in frames, commonly referred to as tube trailers.
Hazardous Materials: Miscellaneous Revisions to Registration and Fee Assessment Program; Withdrawal of NPRM  74 FR 29456  HM-208G	Withdrawal	June, 22, 2009	Registration Fees: PHMSA has withdrawn 73 FR 24519 which proposed to raise the registration fees for 2009-2010. This action means registration fees are not being increased in 2010, but PHMSA still reserves the right to raise fees in later years.



Docket Number and Subject	Action	Date	Summary
Hazardous Materials: Chemical Oxygen Generators  74 FR 52896  HM-224G	Final Rule	October 15, 2009	PHMSA published a direct final rule to address difficulties concerning implementation and compliance with the requirements for the transportation of chemical oxygen generators in outer packaging meeting certain flame penetration resistance standards and thermal protection capabilities. Previously, the quantity limitation for chemical oxygen generators transported by cargo aircraft was 25 kg "gross". However, PHMSA is increasing the quantity threshold for chemical oxygen generators transported by cargo aircraft to 25 kg "net".
Hazardous Materials: Minor Editorial Corrections and Clarifications  74 FR 53182  HM-244B	Final Rule	October 16, 2009	PHMSA published this final rule to correct editorial errors, make minor regulatory changes and, in response to requests for clarification, improve the clarity of certain provisions in the HMR. The intended effect of this rule is to enhance the accuracy and reduce misunderstandings of the regulations. The amendments contained in this rule are non-substantive changes.
Hazardous Materials: Revision of Requirements for Emergency Response Telephone Numbers  74 FR 53413  HM-206F	Final Rule	October 19, 2009	PHMSA published this final rule to ensure that transportation workers and emergency response personnel are provided with accurate and timely information about the hazardous materials involved in a transportation accident or other emergency. PHMSA accomplished this by clarifying certain requirements for emergency response information. Previously, the emergency response information provider could not always identify the offeror on whose behalf it is accepting responsibility for providing emergency response information. This rule requires the offeror's basic identification information to be clearly displayed on shipping papers. This rulemaking also requires the offeror to provide emergency response information in English and the country or access code for international emergency response numbers.



Docket Number and Subject	Action	Date	Summary
Hazardous Materials; Harmonization With the UN Recommendations, IMDG Code, ICAO's Technical Instructions, and Transport Canada's TDG Regulations  74 FR 53982  HM-215K	ANPRM	October 21, 2009	PHMSA published this ANPRM to better harmonize with international standards, by incorporating various amendments to international standards and modal regulations, including changes to proper shipping names, hazard classes, packing groups, special provisions, and packaging authorizations. In this ANPRM, PHMSA is soliciting public comment regarding some of the more significant amendments adopted or under consideration for adoption in these international standards.
Hazardous Materials: Revision of Requirements for Emergency Response Telephone Numbers  74 FR 54489  HM-206F	Correction to Final Rule	October 22, 2009	Correction: In rule document E9-24799 beginning on page 53413 in the issue of Monday, October 19, 2009, make the following correction: On page 53413, in the third column, under the DATES section, in the second line, "November 18, 2009" should read "October 1, 2010".
Hazardous Materials: Chemical Oxygen Generators  74 FR 65696  HM-224G	Final Rule	December 11, 2009	PHMSA published this final rule to confirm the effective date of a direct final rule (HM-224G), published on October 15, 2009 (74 FR 52896) to revise the quantity limitations from 25 kg "gross" to 25 kg "net" for packages of chemical oxygen generators transported aboard cargo aircraft only. The direct final rule stated that it would become effective on November 16, 2009 unless an adverse comment or notice of intent to file an adverse comment was received by then. PHMSA did not receive any adverse comments or notice of intent to file an adverse comment.



Docket Number and Subject	Action	Date	Summary
Hazardous Materials: Incorporation of Special Permits into Regulations  74 FR 68004  HM-233A	NPRM	December 22, 2009	PHMSA published this NPRM in order to provide wider access to the regulatory flexibility offered in special permits and eliminate the need for numerous renewal requests, thus reducing paperwork burdens and facilitating commerce. PHMSA special permits allow a company or individual to package or ship a hazardous material in a manner that varies from the regulations so long as an equivalent level of safety is maintained. Specific recommended changes include; allowing salvage drums aboard vessel, changes to lab packs, hazardous wastes, and rail tank car capacity limits. In this notice, PHMSA is soliciting written comments regarding some of the more significant amendments adopted or under consideration for adoption in this proposal.
Hazardous Materials: Adjustment of Maximum and Minimum Civil Penalties  74 FR 68701  PHMSA 2009-0411	Final Rule	December 29, 2009	PHMSA published this final rule to comply with requirements by the Federal Civil Penalties Inflation Adjustment Act of 1990 as amended by the Debt Collection Improvement Act of 1996. This rule adjusts the maximum and minimum civil penalties for knowingly violating the Federal hazardous material transportation law or a regulation, order, special permit, or approval issued under that law. The maximum civil penalty is increased to \$55,000, and to \$110,000 for a violation that results in death, serious illness, or severe injury to any person or substantial destruction of property. The minimum civil penalty is increased to \$275, and to \$495 for a violation related to training.



Docket Number and Subject	Action	Date	Summary
<p>Hazardous Materials; Revision to Requirements for the Transportation of Batteries and Battery- Powered Devices; and Harmonization With the UN Recommendations, IMDG Code, and ICAO's Technical Instructions; Correction</p> <p>75 FR 63</p> <p>HM-224D/HM-215J</p>	<p>Final Rule</p>	<p>January 4, 2010</p>	<p>PHMSA published this final rule to correct several errors and clarify amendments in sections that were revised by the January 14, 2009 final rule for purposes of consistency with grammatical conventions and with similar provisions within the HMR. This final rule also makes conforming amendments to sections in the HMR affected by the January 14, 2009 final rule. Changes in this rule provide a better understanding of the revisions adopted in the January 14, 2009 final rule, and do not create new requirements.</p>
<p>Hazardous Materials; Transportation of Lithium Batteries</p> <p>75 FR 1302</p> <p>HM-224F</p>	<p>NPRM</p>	<p>January 11, 2010</p>	<p>PHMSA, in consultation with the FAA, published this proposed rulemaking to solicit comments and strengthen the current regulations governing transportation of lithium batteries or cells by imposing more effective safeguards, including design testing, packaging, and hazard communication measures for various types and sizes of lithium batteries in specific transportation contexts. Some specific changes include harmonizing proper shipping names with the international standards, adopting watt-hours to measure lithium-ion batteries, and consolidating lithium battery requirements in one section. In addition, PHMSA is proposing a mandatory compliance date of 75 days after the publication of a final rule in the Federal Register.</p>



Docket Number and Subject	Action	Date	Summary
Hazardous Materials; Miscellaneous Packaging Amendments  75 FR 5376  HM-231	Final Rule	February 2, 2010	PHMSA published this final rule to enhance compliance flexibility, improve clarity, and reduce regulatory burdens by amending various packaging requirements. These revisions include: revising, removing, and adding definitions specific to packaging requirements; allowing more flexibility when preparing and transmitting closure instructions, but also requiring shippers to retain packaging closure instructions; clarifying a requirement to document the criteria for using testing variations; incorporating requirements for large packages; and adding other miscellaneous revisions to the HMR.
Hazardous Materials; Registration and Fee Assessment Program  75 FR 5258  HM-208H	NPRM	February 2, 2010	PHMSA published this notice of proposed rulemaking to amend the statutorily-mandated registration and fee assessment program for persons who transport, or offer for transportation, certain categories and quantities of hazardous materials. For those registrants not qualifying as a small business or not-for-profit organization, PHMSA is proposing to increase the fee from \$975 (plus a \$25 administrative fee) to \$2,975 (plus a \$25 administrative fee) for registration year 2010-2011 and following years. The proposed fee increase is necessary to fund the national Hazardous Materials Emergency Preparedness (HMEP) Grants Program at approximately \$28,000,000.
Hazardous Materials; Risk-Based Adjustment of Transportation Security Plan Requirements  75 FR 10974  HM-232F	Final Rule	March 9, 2010	PHMSA in consultation with the Transportation Security Administration (TSA) published this final rule to reduce regulatory costs and paperwork burden associated with security plans and to better harmonize with the international regulations. This rule reduces the list of the list of materials subject to security plan requirements and clarifies certain requirements related to security planning, training, and documentation. Amendments in the final rule are based on an evaluation of the security threats associated with specific types and quantities of hazardous material.





Docket Number and Subject	Action	Date	Summary
Hazardous Materials; Registration and Fee Assessment Program  75 FR 15613  HM-208H	Final Rule	March 30, 2010	PHMSA published this final rule to amend the statutorily-mandated registration and fee assessment program for persons who transport, or offer for transportation, certain categories and quantities of hazardous materials. For those registrants not qualifying as a small business or not-for-profit organization, this rule will increase the fee from \$975 (plus a \$25 administrative fee) to \$2,575 (plus a \$25 administrative fee) for registration year 2010-2011 and following years. The fee increase is necessary to fund the national Hazardous Materials Emergency Preparedness (HMEP) Grants Program at approximately \$28,000,000.
Hazardous Materials; Combustible Liquid  75 FR 17111  HM-242	ANPRM	April 5, 2010	PHMSA published this advance notice of proposed rulemaking to examine ways to revise, clarify, or relax certain regulatory requirements to facilitate the transportation of combustible liquids while maintaining an adequate level of safety. In order to harmonize with the international standards, PHMSA is considering eliminating combustible liquids, and regulating all materials with a flashpoint of 140 F or lower as flammable liquids. Materials with a flashpoint above this threshold would no longer meet the definition of a hazardous material. PHMSA is inviting the public to comment on the amendments under consideration and to make additional recommendations for the safe transportation of combustible liquids.



Docket Number and Subject	Action	Date	Summary
<p>Hazardous Materials;            Packages Intended for            Transport by Aircraft</p> <p>75 FR 27273</p> <p>HM-231A</p>	<p>ANPRM</p>	<p>May 14,            2010</p>	<p>PHMSA published this notice of proposed rulemaking to propose amending requirements in the HMR to enhance the integrity of inner packagings or receptacles of combination packagings containing liquid hazardous material and better harmonize with the international standards. In order to substantially decrease the likelihood of a hazardous materials release, PHMSA proposes prescribing specific test protocols and standards for determining whether an inner packaging or receptacle is capable of meeting pressure requirements specified in the regulations. In order to better harmonize with international standards, PHMSA proposes requiring closures on inner packagings containing liquids to be secured by a secondary means or, under certain circumstances, permit the use of a liner.</p>
<p>Hazardous Materials;            Incorporation of Special            Permits into            Regulations</p> <p>75 FR 27205</p> <p>HM-233A</p>	<p>Final Rule</p>	<p>May 14,            2010</p>	<p>PHMSA published this final rule to amend the HMR to incorporate provisions contained in certain widely used or longstanding special permits that have an established safety record. Special permits allow a company or individual to package or ship a hazardous material in a manner that varies from the regulations so long as an equivalent level of safety is maintained. The revisions in this final rule are intended to provide wider access to the regulatory flexibility offered in special permits and eliminate the need for numerous renewal requests, thus reducing paperwork burdens and facilitating commerce while maintaining an appropriate level of safety. This rulemaking affects the following special permits: 14168, 14405, 10791, 1297, 13285, 13937, 14510, 14817, 12296, 12668, 12682, 12749, 12826, 13192, 11761, 11864, 9030, 9940, 10407, 12131, 12415, 13026, 13109, 13244, 12842, 11241, 11654, 11803, 12423, 12561, 12613, 12768, 12858, 12903, 13856, 13936, 14004, 14038, 14442, 14505, 14520, 14570, 14619.</p>



Docket Number and Subject	Action	Date	Summary
Hazardous Materials: Incorporation of Certain Cargo Tank Special Permits Into Regulations  75 FR 42364  HM-245	NPRM	July 21, 2010	PHMSA published this notice of proposed rulemaking to incorporate provisions contained in certain widely used or longstanding cargo tank special permits that are granted to multiple parties and have an established safety record. The revisions in this final rule are intended to provide wider access to the regulatory flexibility offered in special permits and eliminate the need for numerous renewal requests, thus reducing paperwork burdens and facilitating commerce while maintaining an appropriate level of safety. This rulemaking intends to incorporate the following special permits: 11209, 13113, 12284, 13341, 10950, and 13554. These special permits involve: (1) moveable fuel storage tenders, (2) liquid soil pesticide fumigants, (3) non-DOT specification cargo tanks used for roadway striping, (4) LPG storage containers, and (5) nurse tanks.
Hazardous Materials: Revisions of Special Permits Procedures  75 FR 43898  HM-233B	NPRM	July 27, 2010	PHMSA published this notice of proposed rulemaking to enable the agency to evaluate the applicant's fitness and the safety impact of operations that would be authorized in the special permit. This rulemaking proposes revisions to several procedures for applying for a special permit that require an applicant to provide additional information about its operations. In addition, PHMSA is providing an online application option.
Hazardous Materials: Requirements for the Storage of Explosives During Transportation  75 FR 43906  HM-238	NPRM	July 27, 2010	PHMSA published this notice of proposed rulemaking in coordination with the Federal Motor Carrier Safety Administration (FMCSA) to enhance the existing attendance requirements for explosives stored during transportation. Currently there is no federally approved standard for the construction and maintenance of safe havens used for unattended storage of Division 1.1, 1.2, and 1.3 explosives. This rulemaking recommends adopting the National Fire Protection Association (NFPA) standard 498 to address this issue.



Docket Number and Subject	Action	Date	Summary
<p>Hazardous Materials: Harmonization With the UN Recommendations, IMDG Code, ICAO's Technical Instructions, and Transport Canada's TDG Regulations</p> <p>75 FR 52070</p> <p>HM-215K</p>	<p>NPRM</p>	<p>August 24, 2010</p>	<p>PHMSA proposed a rulemaking to amend the HMR to maintain alignment with international standards by incorporating various amendments including changes to proper shipping names, hazard classes, packing groups, special provisions, packaging authorizations, air transport quantity limitations, and vessel stowage requirements. Specific recommended changes include; the classification and marking of sour crude oil; classification and testing for Division 1.4S explosives; the definition of "repair" for IBC rebottling; harmonization with international limited quantities and elimination of the consumer commodity ORM-D classification; adopting in vitro testing methods for corrosivity, which also eliminates the need for DOT SP10904 and satisfies a People for the Ethical Treatment of Animals (PETA) petition for rulemaking (P-1550). The proposed rulemaking also addresses amendments which will not be proposed for adoption.</p>
<p>Hazardous Materials: Minor Editorial Corrections and Clarifications</p> <p>75 FR 53593</p> <p>HM-244C</p>	<p>Final Rule</p>	<p>September 1, 2010</p>	<p>PHMSA published this final rule to correct editorial errors, make minor regulatory changes and, in response to requests for clarification, improve the clarity of certain provisions in the HMR. The intended effect of this rule is to enhance the accuracy and reduce misunderstandings of the regulations. The amendments contained in this rule are non-substantive changes.</p>
<p>Hazardous Materials: Limiting the Use of Electronic Devices by Highway</p> <p>75 FR 59197</p> <p>HM-256</p>	<p>NPRM</p>	<p>September 27, 2010</p>	<p>PHMSA published this NPRM to propose to prohibit texting on electronic devices by drivers during the operation of a motor vehicle containing a quantity of hazardous materials requiring placarding under Part 172 of the 49 CFR or any quantity of a select agent or toxin listed in 42 CFR Part 73. The purpose of this rule is to improve health and safety on the Nation's highways by reducing the prevalence of distracted driving-related crashes, fatalities, and injuries involving drivers of commercial motor vehicles. This NPRM also expands the population of commercial motor vehicle drivers who are prohibited from texting by a Federal Motor Carrier Safety Administration (FMCSA) final rule (75 FR 59118) to include motor carriers who operate exclusively in intrastate commerce.</p>



Docket Number and Subject	Action	Date	Summary
Hazardous Materials; Miscellaneous Amendments  75 FR 60017  HM-218F	NPRM	September 29, 2010	PHMSA published this NPRM to propose to make miscellaneous amendments to the Hazardous Materials Regulations to update and clarify certain regulatory requirements. Among other provisions, PHMSA is proposing to add a labeling exception for "consolidation bins" to facilitate use of bins as a method of consolidating packages for ease of handling when transported by motor vehicle and to clarify that the definition of "person," as that term is used in the regulations, also includes persons who manufacture, test, repair, and recondition packaging. PHMSA also proposes to provide an exception from regulation for permeation devices containing small amounts of hazardous materials.
Hazardous Materials; Miscellaneous Packaging Amendments  75 FR 60333  HM-231	Final Rule	September 30, 2010	PHMSA published this rule to respond to one petition for reconsideration and four appeals submitted in response to the February 2, 2010 final rule PHMSA issued under this docket (75 FR 5376). This rule corrects editorial errors to improve the clarity of certain provisions in the Hazardous Materials Regulations. This rule reinstates the phrase "no intermediate forms of containment" in the bulk packaging definition, defines a Large Packaging as bulk packaging, revises the amount of time required for retaining packaging closure instructions to align with a packaging's periodic retest date, eliminates the minimum thickness requirement for remanufactured packagings, and revises the performance test requirements for Large Packagings to state that these packagings must be capable of passing the vibration test.



Docket Number and Subject	Action	Date	Summary
Notice and Request for Comments on the Clarification of the Fireworks Approvals Policy  75 FR 79085  Notice No. 10-9	Notice	December 17, 2010	PHMSA published this notice to seek comments on its intent to clarify its fireworks approvals policy. Currently, PHMSA issues fireworks approvals to members of the pyrotechnic industry regardless of their actual position in the supply chain. This results in multiple applications for functionally indistinguishable fireworks devices. The Office of Hazardous Materials Safety (OHMS), Approvals and Permits Division seeks to clarify the policy to only accept fireworks approvals applications from manufacturers and grant approvals only to manufacturers of fireworks devices.
Hazardous Materials; Adoption of ASME Code Section XII and the National Board Inspection Code  75 FR 80765  HM-241	ANPRM	December 23, 2010	PHMSA published an Advanced Notice Proposed Rulemaking to seek comments on the advisability of incorporating the most recent edition of the American Society of Mechanical Engineers' Boiler and Pressure Vessel Code, Section XII for the design, construction, and certification of cargo tank motor vehicles, cryogenic portable tanks and multi-unit-tank car tanks (ton tanks), and the National Board of Boiler and Pressure Vessel Inspectors' National Board Inspection Code as it applies to the continuing qualification and maintenance of ASME stamped cargo tank motor vehicles, portable tanks, and multi-unit-tank car tanks (ton tanks) constructed to standards in ASME Section VIII or ASME Section XII.



## Appendix C

### Special Permits

*49 U.S.C. § 5120 (h)(2) – a summary of the basis for each Special Permit*

The following special permits were issued during the preceding two year period. As required by 49 CFR 107.105(d) all special permits are granted on one of the following basis:

- The special permit provides a level of safety at least equal to that required by regulation, or
- If a required safety level does not exist, issuing a special permit is consistent with the public interest.

#### Hazardous Materials Special Permits, 2009-2010

Permit Number	Special Permit Summary
868	Authorizes the exceptions to requirements for carrier inspection of manufacture, vehicle, loading, etc. for transportation of Division 1.1, 1.2 and 1.3 explosives loaded by Department of Defense shippers in DOT Specification containers.
1862	Authorizes the shipment of nitrogen, compressed, Division 2.2 in non-DOT specification hydraulic accumulators.
2709	Authorizes the transportation of certain 1.1G, 1.1D and 1.3G liquid explosives in DOT specification packagings.
3004	Authorizes the use of a non-DOT specification cylinder for transportation of certain Division 2.1 or 2.2 materials.
3121	Authorizes the transportation of certain poisonous material classed as Division 2.3, in DOT Specification MC 338 cargo tanks.
3216	Authorizes the transportation of certain Division 2.1 and Division 2.2 gases in non-DOT specification multi-unit tank car tanks.
3302	Authorizes the use of non-DOT specification sampling bottles (cylinders) for transportation of certain Division 2.2 gases.
3498	Authorizes the transport of open top vehicles, military combat and tactical vehicles loaded w/their combat supply of accessory ammunition up to 6000 pounds and not to exceed 18 percent of net weight of vehicle.



Permit Number	Special Permit Summary
3549	Authorizes the shipment of Division 1 explosives in a special non-DOT specification inside packaging.
4354	Authorizes the shipment of chloroformates in a DOT specification 6D or 37M cylindrical steel over pack with an inside DOT Specification 2S, 2SL or 2T polyethylene container.
4453	Authorizes the use of a non-DOT specification bulk, hopper-type tank for transportation of Division 1.5 or ammonium nitrate-fuel oil mixtures.
4661	Authorizes the transport of butyl lithium in petroleum solvent in DOT Specification 4BA240 cylinders with alternative retest procedures.
4844	Authorizes the use of non-DOT specification foreign made steel cylinders use only in aircraft of foreign manufacture for shipment of certain Division 2.2 gases.
4850	Authorizes the shipment of flexible linear shaped charges, metal clad, in 100' lengths, containing not more than 50 grams per linear foot of a high explosive.
4884	Authorizes the shipment of liquefied and non-liquefied compressed gases and a Class 3 material in stainless steel cylinders complying with DOT Specification 4BS with certain exceptions.
5022	Authorizes the shipment of certain Division 1.1, 1.2 and 1.3 explosives in temperature controlled equipment.
5206	Authorizes the use of privately operated bulk, hopper-type units for transportation of a Division 1.5 material.
5493	Authorizes the shipment of hydrogen sulfide in DOT-105A600W tank cars.
5600	Authorizes the transport of Division 2.1 or 2.2 gases, Class 3 or 8 materials or Division 5.1 materials presently authorized to be shipped in a non-DOT specification cylinder made to DOT specification 3A except model metal may be used rather than steel.
5643	Authorizes the shipment of a Division 2.2 gas in vacuum insulated non-DOT specification portable tanks.
5945	Authorizes the use of a small capacity DOT-51 portable tank for shipment of a Division 2.2 gas.
5951	Authorizes the transport of Division 2.2 gases in DOT Specification 106 type tanks.
5967	Authorizes the use of a non-DOT specification cylinder for transportation of nonflammable gases.





Permit Number	Special Permit Summary
6016	Authorizes the shipment of oxygen, refrigerated liquid, nitrogen, refrigerated liquid, and argon, refrigerated liquid in non-DOT specification portable tanks.
6117	Authorizes the transport of hydrogen sulfide in DOT Specification 105A600W tank car tanks or proposed DOT Specification 120A600W tank car tanks.
6263	Authorizes the transport of certain Division 2.2 gases, in non-DOT specification welded, cylindrical or spherical, steel tanks.
6293	Authorizes the shipment of specific Class 8 materials, in DOT Specification MC-311 or MC-312 tank motor vehicles.
6299	Authorizes the manufacture, marking and sale of non-DOT specification portable tanks, for transportation of Division 2.2 materials.
6309	Authorizes the use of non-DOT specification steel portable tanks for transportation of certain Division 2.2 gases.
6349	Authorizes the use of non-DOT specification insulated portable tanks for shipment of certain flammable and nonflammable cryogenic liquids..
6443	Authorizes the use of DOT Specification MC-331 insulated cargo tanks not presently authorized, for transportation of a Division 2.1 material.
6530	Authorizes the shipment of hydrogen and mixtures of hydrogen with helium, argon or nitrogen in DOT Specification 3A, 3AA, 3AX or 3AAX steel cylinders.
6543	Authorizes the shipment of certain Class 8 and Class 3 materials in non-DOT specification 16 gauge, Type 304 stainless steel cylinders and/or 14 gauge Type 316 stainless steel cylinders.
6557	Authorizes deviation from the requirements of the inspector's report for DOT Specification 3A, 3AA, and 4B cylinders for shipment of certain Division 2.2 materials.
6610	Authorizes the shipment of a Division 5.2 Type F, liquid in DOT Specification MC-307 or MC-312 cargo tanks, or OT Specification 412 cargo tank motor vehicles.
6611	Authorizes the use of a non-DOT specification vacuum insulated portable tank for transportation of a nonflammable cryogenic liquid.
6614	Authorizes the use of non-DOT specification polyethylene bottles, packed inside a high density polyethylene box for transportation of certain Class 8 materials.
6626	Authorizes the use of DOT Specification 3A or 3AA cylinders and cylinders marked ICC-3, 3A or 3AA for shipment of certain compressed gases.



Permit Number	Special Permit Summary
6670	Authorizes the shipment of tetrafluoromethane, in DOT Specification 3A2400, 3AA2400, 3AX2400 and 3AAX2400 cylinders.
6686	Authorizes the use of a modified DOT Specification 39 steel cylinder for transportation of a Division 2.1 material.
6691	Authorizes the use of DOT Specification 3A or 3AA cylinders over 35 years old, which can be retested every 10 years, for transportation of certain Division 2.1 and 2.2 materials.
6743	Authorizes shipment of a Division 5.1 material and a Division 5.1 material in DOT Specification 56 or 57 portable tanks.
6765	Authorizes the use of non-DOT specification portable tanks for transportation of a Division 2.1 and a Division 2.2 material.
6805	Authorizes the use of DOT Specification 3AAX steel cylinders for transportation of a Division 2.1 mixture.
6922	Authorizes the use of non-DOT specification IMO Type 5 portable tanks for transportation of anhydrous hydrofluoric acid.
6946	Authorizes use of DOT Specification 3A or 3AA cylinders and ICC-3, 3A, or 3AA cylinders for shipment of certain compressed gases.
7026	Authorizes the manufacture, marking and sale of a non-DOT specification welded steel pressure vessel, for transportation of a compressed gas.
7041	Authorizes the shipment of pyrophoric waste materials in non-DOT specification cargo tanks of the MC-331 type.
7060	Authorizes the carriage of radioactive materials aboard cargo aircraft only when the combined transport index exceeds 50.0 and/or the separation criteria cannot be met.
7218	Authorizes the manufacture, marking and sale of non-DOT specification fiber reinforced plastic full composite cylinders, for shipment of certain Division 2.2 materials, compressed gases.
7235	Authorizes the manufacture, marking and sale of non-DOT specification fiber reinforced plastic hoop wrapped cylinders, for transportation of certain nonflammable compressed gases.
7274	Authorizes the use of non-DOT specification portable tanks for shipment of certain Division 2.2 materials.



Permit Number	Special Permit Summary
7277	Authorizes the manufacture, marking and sale of non-DOT specification fiber reinforced plastic full composite cylinder, for transportation of certain Division 2.2 materials, compressed gases.
7413	Authorizes the transport of carbon dioxide or nitrogen, in a non-DOT specification brazed steel cylinder.
7458	Authorizes the manufacture, marking and sale of non-DOT specification seamless cylinders, for transportation of Division 2.2 materials.
7465	Authorizes the stowage of transport motor vehicles and liquefied petroleum gases aboard passenger vessels.
7477	Authorizes the use of non-DOT specification seamless aluminum cylinders, for transportation of certain Division 2.2 materials.
7542	Authorizes the manufacture, marking and sale of non-DOT specification steel cylinders for transportation of certain Division 2.1 material.
7605	Authorizes the transport of certain explosives contained in a partially disassembled aircraft or canopy assembly.
7616	Authorizes the carrier to certify the shipping paper on behalf of the shipper when transporting hazardous materials by rail.
7648	Authorizes the carriage of aerial illuminating flares for testing purposes in cargo aircraft only.
7657	Authorizes the manufacture, marking and sale of non-DOT specification cylinders, for transportation of certain compressed gases.
7694	Authorizes the use of non-DOT specification welded, or seamless, non-refillable cylinders containing non-liquefied compressed gases.
7721	Authorizes the manufacture, marking, and sale of non-DOT specification steel cylinders, for transportation of certain Division 2.2 material.
7737	Authorizes the manufacture, marking, and sale of non-DOT specification seamless aluminum cylinders for shipment of compressed gases.
7765	Authorizes the use of non-refillable, non-DOT specification cylinders, for transportation of a Division 2.2 material.
7767	Authorizes the manufacture, marking and sale of non-DOT specification welded steel



Permit Number	Special Permit Summary
	cylinders, for transportation of nonflammable compressed gases.
7774	Authorizes the shipment of bromine trifluoride in non-DOT specification cylinders.
7823	Authorizes the transport of iodine pentafluoride in non-DOT specification welded stainless steel cylinders complying with DOT Specification 4BW with certain exceptions.
7835	Authorizes the transport of compressed gas cylinders bearing the flammable gas label, the oxidizer label, or the poison gas label and tank car tanks bearing the poison gas label on the same vehicle.
7862	Authorizes the use of non-DOT specification aluminum, single trip, inside container, for transportation of a Division 2.2 material.
7879	Authorizes the shipment of bromine trifluoride in non-DOT specification seamless cylinders.
7887	Authorizes the shipment of packages of toy propellant devices as an ORM-D material and excepted from labeling requirements.
7891	Authorizes the transport of packages bearing the DANGEROUS WHEN WET label, in motor vehicles which are not placarded FLAMMABLE SOLID W.
7928	Authorizes the stowage of certain hazardous materials on the vehicle deck of passenger vessels.
7945	Authorizes the use of a non-DOT stainless steel cylinder similar to the DOT Specification 4DS cylinder.
7951	Authorizes the transport of an aerosol foodstuff in a non-refillable metal container, complying with DOT Specification 2P with certain exceptions.
7954	Authorizes the shipment of Division 2.2 materials in manifolded DOT Specification 3A2400, 3AA2400 or 3AAX2400 cylinders.
7991	Authorizes the transport of railway track torpedoes and fuses in flagging kits of specified construction.
8006	Authorizes certain Articles, explosives, n.o.s., Division 1.4 explosives to be offered for transportation in commerce without labels.
8009	Authorizes the use of DOT Specification 3AAX cylinders made of 4130X steel for transportation of a compressed natural gas.
8013	Authorizes the use of a DOT specification cylinder not presently authorized for certain Division 2.1 and 2.2 materials.



Permit Number	Special Permit Summary
8023	Authorizes the use of non-DOT specification hooped wrapped FRP cylinders, for shipment of certain compressed gases.
8059	Authorizes the manufacture, marking and sale of non-DOT specification fiber reinforced plastic full composite cylinders, for transportation of certain Division 2.1 and 2.2 materials.
8074	Authorizes the use of a DOT Specification 3E cylinder without safety devices for transportation of certain Division 2.1 and 2.2 materials.
8125	Authorizes the use of non-DOT specification IMO Type 5 portable tanks for transportation of certain flammable and nonflammable gases and flammable liquids.
8131	Authorizes the use of a non-DOT specification container made of inconel 718 metals for shipment of a Division 2.2 material.
8156	Authorizes the shipment of Division 2.1 materials in DOT Specification 39 cylinders up to 225 cubic inches in volume.
8162	Authorizes the manufacture, marking and sale of a non-DOT specification cylinder for shipment of certain Division 2.2 material, compressed gases.
8178	Authorizes the use of a non-DOT specification composite cylinder for a compressed non-liquefied gas.
8215	Authorizes the shipment of certain identified Division 1.1, 1.2, 1.3 and 1.4 materials non-DOT specification containers.
8220	Authorizes the use of non-DOT specification small, high pressure cylinders of welded construction for aircraft use in the transportation of Division 2.2 materials.
8221	Authorizes the use of non-DOT specification high pressure cylinders of welded construction for military missile systems use only.
8228	Authorizes the transport of packages containing not in excess of 35 grams of one type of explosive material or one explosive device, not exceeding 35 grams, in any one package.
8230	Authorizes the shipment of certain Division 5.1 materials in non-DOT specification containers.
8232	Authorizes the use of a non-DOT specification portable tank for the transportation of certain compressed gases.
8239	Authorizes use of non-DOT specification portable tanks for shipment of certain hazardous materials.



Permit Number	Special Permit Summary
8249	Authorizes hazardous materials, which are required to bear the POISON label, to be transported without the label when shipped in prescribed packaging.
8255	Authorizes the use of a non-DOT specification cylinder for shipment of certain Division 2.2 material.
8299	Authorizes the manufacture, marking and sale of non-DOT specification pressure vessels for shipment of compressed gases.
8308	Authorizes the carriage of radioactive materials aboard highway vehicles when the combined transport index exceeds 50 and or the separation criteria cannot be met.
8354	Authorizes the use of a non-DOT specification portable tank for the transportation of certain Class 3 and Division 2.1 materials.
8391	Authorizes the use of a non-DOT specification cylinder for shipment of various Division 2.2 materials.
8445	Authorizes the shipment of various hazardous substances and wastes packed in inside plastic, glass, earthenware or metal containers, over packed in a DOT specification removable head steel, fiber or polyethylene drum only for the purposes of disposal, repackaging or reprocessing.
8451	Authorizes the transport of not more than 25 grams of Division 1.1 materials and pyrotechnic materials in a special shipping container.
8453	Authorizes the use of non-DOT specification cargo tanks and DOT Specification MC-306, MC-307, or MC-312 stainless steel cargo tanks for transport of a Division 1.5 material.
8472	Authorizes the use of non-DOT specification, metal, single trip, inside container for shipment of a Division 2.2 material.
8495	Authorizes the manufacture, marking and sale of non-DOT specification spherical containers similar to DOT Specification 4DS for shipment of bromotrifluoromethane pressurized with nitrogen.
8520	Authorizes "pipe test" in lieu of "fire test" for blasting agents that will be packaged in drum size containers not to exceed 55 gallons.
8523	Authorizes the shipment of various Division 2.1 and 2.2 materials in non-DOT specification IMO Type 5 portable tanks.
8554	Authorizes the transport of propellant explosives and blasting agents in DOT Specification MC-306, MC-307, and MC-312 cargo tanks.



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8556	To authorize the transportation in commerce of non-DOT specification portable tanks for shipment of liquefied hydrogen.
8561	Authorizes the manufacture, marking and sale of non-DOT specification stainless steel cylinders similar to a DOT Specification 3HT, for shipment of oxygen.
8569	Authorizes the shipment of 6.6 gallons of hydrazine, aqueous solution in non-DOT specification F-16 emergency fuel tanks.
8627	Authorizes the shipment of various Class 8 or Class 3 materials (oil well treating compounds) contained in six separate 60-gallon steel tanks firmly mounted on the chassis of a truck.
8650	Authorizes the use of a non-DOT specification steel portable tank for shipment of motor fuel antiknock compound.
8697	Authorizes the transport of propane in DOT Specification 4B240, 4BA240, 4BW240 cylinders via helicopter utilizing sling loads.
8698	Authorizes the manufacture, marking and sale of non-DOT specification portable tanks for shipment of non-pressurized nitrogen, refrigerated liquid.
8718	Authorizes the manufacture, marking, and sale of non-DOT specification, limited cycle life, and fiberglass reinforced plastic cylinders for shipment of various Division 2.2 materials.
8720	Authorizes the manufacture, marking and sale of non-DOT specification non-reusable welded steel cylinders similar to DOT Specification 39 for shipment of various nonflammable gases.
8723	Authorizes the use of non-DOT specification motor vehicles for bulk shipment of certain blasting agents.
8725	Authorizes the manufacture, marking, and sale of non-DOT specification fiber reinforced plastic hoop wrapped cylinders, for shipment of certain compressed gases.
8748	Authorizes the shipment of boron trifluoride, classed as a nonflammable gas in non-DOT specification containers when shipped as a component of a radiation detector.
8750	Authorizes the manufacture, marking and sale of non-DOT specification girth welded steel cylinders for shipment of certain Division 2.2 materials.
8757	Authorizes the manufacture, marking, and sale of non-DOT specification stainless steel cylinders, for shipment of compressed gases.
8760	Authorizes the display of FLAMMABLE placards, showing identification number 1993, on Barton Solvents, Inc. cargo tanks having six or more compartments when transporting one



Permit Number	Special Permit Summary
	or more hazardous material.
8770	Authorizes shipment of a Class 8 material and minute quantity of a Class 3 Division 6.1 solid in DOT Specification 2A, 12B or 15A fiberboard or wooden boxes with inside glass bottles.
8786	Authorizes the use of a non-DOT specification cylinder for shipment of limited quantities of compressed gases.
8795	Authorizes the manufacture, marking, and sale of non-DOT specification cylinders made in compliance with DOT Specification 4B240ET, for transportation of Division 2.2 materials.
8814	Authorizes the manufacture, marking, and sale of non-DOT specification, fiber reinforced plastic full composite cylinders for transportation of certain Division 2.1 and 2.2 materials.
8815	Authorizes the transport of certain blasting agents in a cement mixer motor vehicle.
8843	Authorizes the manufacture, marking and sale of non-DOT specification cylinders for shipment of bromine trifluoride, classed as a Division 5.1 material, to be shipped without the poison label.
8914	Authorizes the shipment of certain Division 2.1 and 2.2 materials in DOT Specification 3AA, 3A, 3AX and 3T cylinders.
8915	Authorizes the shipment of various Division 2.1 and 2.2 materials in DOT Specification 3A, 3AA, 3AX, 3AAX and 3T cylinders.
8920	Authorizes the manufacture, marking, and sale of non-DOT specification welded high pressure non-refillable cylinders, for transportation of Division 2.2 materials.
8939	Authorizes the manufacture, marking, and sale of six non-DOT specification portable tanks manifolded together within a frame and securely mounted on a truck chassis, for transportation of Class 3 and Class 8 materials.
8944	Authorizes the use of a limited quantity of DOT Specification 3AAX or 3T cylinders that are retested by means other than the hydrostatic retest required in 49 CFR 173.34(e).
8962	Authorizes the manufacture, marking and sale of non-DOT specification girth welded stainless steel cylinders for transportation of a compressed gas.
8971	Authorizes the use of non-DOT specification steel cylinders of equal or greater integrity than those currently authorized for transportation of a liquid oxidizer.
8990	Authorizes the manufacture, marking, and sale of non-DOT specification non-refillable steel inside cylinders, for transportation of Division 2.2 materials, gases.





Permit Number	Special Permit Summary
8995	Authorizes the use of non-DOT specification steel portable tanks for transportation of certain nonpoisonous, nonflammable compressed gases.
9001	Authorizes the manufacture, marking, and sale of non-DOT specification steel cylinders complying in part with DOT Specification 3T cylinders, for transportation of certain Division 2.2 and 2.2 materials.
9023	Authorizes the shipment of various refrigerant gases in non-DOT specification IMO Type 5 portable tanks.
9024	Authorizes the shipment of various refrigerant gases in non-DOT specification IMO Type 5 portable tanks.
9030	Authorizes the use of non-DOT specification, metal, single trip, inside container for shipment of a Division 2.2 material.
9034	Authorizes the shipment of insecticide, liquefied gas (containing no Division 6.1 material) insecticide, liquefied gas (containing Division 6.1 material), compressed gas, n.o.s., disilane and disilane mixture in DOT Specification 3AL cylinders.
9036	Authorizes manufacture, marking and sale of cylinders complying with Specification 3AA except for inspection of certain billets after parting, for shipment of those gases presently authorized in DOT Specification 3AA cylinders.
9157	Authorizes the use of a non-DOT specification multiunit tank car tank, for transportation of a Division 2.1 material.
9166	Authorizes the transportation in commerce of those materials listed in paragraph 6 below in glass fiber reinforced plastic (GFRP) cargo tanks manufactured and certified by Comptank Corporation prior to September 1, 1995.
9168	Authorizes the manufacture, marking, and sale of specially designed composite type packaging, for shipment of small quantities of various Class 3, and Class 8 materials, and Division 6.1 liquids and solids shipped without labels.
9193	Authorizes the shipment of a down hole logging tool (snode) that contains an accelerator housing, one section of which is charged with sulfur hexafluoride to a pressure of 80 psig.
9198	Authorizes the DOI, and other government agencies under contract to DOI, to use aircraft which are under exclusive direction and control of DOI for periods of less than 90 days.
9228	Authorizes the use of non-DOT specification cargo tanks, for transportation of Class 8 materials.



Permit Number	Special Permit Summary
9232	Authorizes the shipment of explosives and other hazardous materials forbidden or in quantities greater than those prescribed by commercial air carriers activated under the Civil Reserve Air Fleet during a contingency airlift or national emergency.
9233	Authorizes the shipment of dry chromic acid, in a non-DOT specification 900 cubic-foot, two-compartment, and sift-proof covered hopper type tank motor vehicle.
9266	Authorizes the use of non-DOT specification IMO Type 5 portable tanks for shipment of liquefied compressed gases.
9271	Authorizes deviation from car separation requirements for transportation of Division 1.1 and 1.2 explosives.
9275	Authorizes further exceptions to specification packaging, marking and labeling requirements for certain ethyl alcohol formulations.
9317	Authorizes the use of non-DOT specification skid mounted portable tanks to be transported on public highway within company property.
9346	Authorizes setting of the brakes and blocking the wheels of the first and last tank cars on up to a 12 tank car assembly, instead of each individual car, when engaged in unloading crude oil and petroleum.
9347	Authorizes the manufacture, marking and sale of non-DOT specification stainless steel cylinders for shipment of Division 2.1 and 2.2 materials used for sampling purposes.
9352	Authorizes the manufacture, marking, and sale of non-DOT specification container described as mechanical displacement meter provers mounted on a truck chassis or trailer, for transportation of Class 3 liquids and Division 2.1 gases.
9370	Authorizes the manufacture, marking, and sale of non-DOT specification steel cylinders complying in part with DOT Specification 3T cylinders for transportation of Division 2.2 gases.
9386	Authorizes the manufacture, marking and sale of non-DOT specification pressure vessel comparable to DOT Specification 3HT cylinder with certain exceptions for transportation of compressed gases.
9401	Authorizes the use of non-DOT specification IMO Type 5 portable tanks for transportation of Division 2.1 and 2.2 liquefied compressed gas.
9402	Authorizes the use of non-DOT specification IMO Type 5 portable tanks for transportation of Division 2.1 and 2.2., liquefied compressed gases.



Permit Number	Special Permit Summary
9408	Authorizes the transport of silicon tetrafluoride in DOT Specification 3AAX cylinders.
9418	Authorizes the manufacture, marking, and sale of non-DOT specification portable tank assemblies manifolded together within a frame and securely mounted on a truck chassis for transportation of Class 3 and Class 8 liquids.
9421	Authorizes the manufacture, marking and sale of a non-DOT specification steel cylinder complying in part with DOT Specification 3AA for transportation of certain Division 2.1, 2.2 gases and Division 6.1 materials.
9450	Authorizes the manufacture, marking and sale of non-DOT specification cylinders made in compliance with DOT Specification 4B240ET with certain exceptions for transportation of Division 2.1 and 2.2 gases.
9478	Authorizes the manufacture, marking and sale of non-DOT specification cylinders conforming to DOT Specification 3AL for shape and certain tests for shipment of Division 2.2 gases.
9485	Authorizes the transport of an insecticide, liquefied gas mixture in DOT Specification 4BA260 cylinders.
9490	Authorizes the use of non-DOT specification IMO Type 5 portable tanks for shipment of Division 2.1 and Division 2.2 gases.
9491	Authorizes the transport of hexafluoroethane and trifluoromethane in DOT Specification 3AL cylinders.
9508	Authorizes the use of a DOT Specification 4BW240 cylinder that is retested decennially instead of quintennially, for transportation of a Division 4.3 material.
9530	Authorizes the use of non-DOT specification IMO Type 5 portable tanks for transportation of Division 2.2 gases.
9548	Authorizes the use of a non-DOT specification IMO Type 1 portable tank, for shipment of motor fuel antiknock compound.
9571	Authorizes the transport of not more than 5 grams of an approved or unapproved explosive in a special packaging essentially without regulation.
9579	Authorizes the use of a non-DOT specification motor vehicle for bulk shipment of Division 5.1 materials.
9596	Authorizes the use of a non-DOT specification insulated portable tank for transportation of a Division 2.2 gases.



Permit Number	Special Permit Summary
9609	Authorizes the manufacture, marking, and sale of welded non-DOT specification non-reusable, non-refillable steel toroidal pressure vessel for a military system.
9610	Authorizes the transport of DOT Specification 21C fiber drums which contain no more than 5 grams of smokeless powder essentially without regulation.
9617	Authorizes the transport of a specially defined detonating cord on the same motor vehicle with Division 1.1 and Division 1.4 detonators.
9623	Authorizes the transport of a blasting agent or a Division 5.1 material in a DOT Specification MC-306 or MC-307 cargo tank with a storage box containing Division 1.1 explosives mounted directly behind the tractor cab.
9634	Authorizes the manufacture, marking, and sale of non-DOT specification fiber reinforced plastic, full composite cylinders for shipment of certain Division 2.2 and Division 2.1 gases.
9649	Authorizes radiation levels slightly higher than normally allowed for limited quantity Class 7 materials and relief from certain marking requirements for the depleted uranium component of the packages.
9672	Authorizes the shipment of metal alkyl solutions in a DOT Specification MC-330 to MC-331 cargo tank with a filling/discharge opening that does not have a remote self-closing internal valve.
9694	Authorizes the use of MC-331 cargo tanks equipped with angle valves and pressure relief valves not presently authorized in the regulations.
9716	Authorize the manufacture, marking and sale of non-DOT specification, fiber reinforced plastic, full composite cylinder for shipment of certain Division 2.1 and Division 2.2 gases.
9722	This special permit authorizes the manufacture, mark, sale and use of UN1H1 plastic drums to be used for the transportation in commerce of nitric acid with not more than 40% nitric acid.
9729	Authorizes the shipment of Class 8 materials in stainless steel cylinders complying with all requirements of DOT Specification 4BW except for being fabricated from Type 304L stainless steel.
9740	Permit NASA to hydrostatically retest DOT (ICC) 3AA and 3AAX cylinders and certain non-DOT specification cylinders which are in conformance with DOT (ICC) 3AA and 3AAX specifications with exceptions every ten years rather than every five years as specified in 49 CFR 173.34(e).
9761	Authorizes the manufacture, marking, and sale of non-DOT specification welded stainless steel cylinders patterned after DOT-4DS with exceptions for transportation of Division 2.2



Permit Number	Special Permit Summary
	gases.
9790	Authorizes the manufacture, marking and sale of non-DOT specification welded cylinders conforming with the DOT Specification 4L except that the container is made of Type 316L stainless steel.
9791	Authorizes the manufacture, marking, and sale of a high strength, non-specification cylinder conforming in part to the DOT-3AA specification for transportation of certain nonflammable, non-liquefied compressed gases.
9819	Authorizes the shipment of Class 3 liquids and Class 8 liquids in non-DOT specification stainless steel portable tanks.
9830	Authorizes manufacture, marking and sale of non-DOT specification stainless steel cylinders to transport those materials authorized in DOT Specification 4BA cylinders.
9832	Authorizes the manufacture, marking, and sale of vacuum insulated non-DOT specification portable tanks, for transportation of certain hazardous materials.
9856	Authorizes the use of non-DOT specification packaging and patient use of oxygen systems on board a passenger ship.
9874	Authorizes personnel to observe loading and unloading of cargo tanks by viewing video camera monitors in a control center instead of viewing within 25 feet of the cargo tanks.
9880	Authorizes the manufacture, marking and sale of non-DOT specification containers described as hermetically sealed electron tube devices.
9894	Authorizes the manufacture, marking, and sale of non-DOT specification cylinders for transport of certain hazardous materials.
9909	Authorizes the manufacture, marking and sale of non-DOT specification steel cylinder complying in part with DOT-3AA specification for transportation of certain Division 2.1 and Division 2.2 gases.
9940	Authorizes the manufacture, marking, and sale of non-DOT specification, metal, single trip, inside containers, described as hermetically-sealed electron tube devices.
9965	Authorizes the marking and shipment of electrical transformers and/or capacitors containing bulk quantities of polychlorinated biphenyl contaminated oil as non-bulk packagings.
9969	Authorizes the transport of small amounts of liquids and gases in diffusion tubes over packed in capped pipe nipples.



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9998	Authorizes the shipment of nitrogen in hydraulic accumulators.
10019	Authorizes the manufacture, marking and sale of non-DOT specification fiber reinforced plastic full wrapped composite cylinder for shipment of compressed air, nitrogen and oxygen.
10031	Authorizes the manufacture, marking, and sale of non-DOT specification, insulated portable tanks for shipment of liquefied helium.
10043	Authorizes residual amounts of various hazardous materials, Class 3 liquids, Class 8 materials, Division 6.1 materials, Division 5.1 materials, and ORM-A or ORM-B, in inside packaging having a maximum capacity of one-gallon over packed in outside non-DOT polyethylene bins of 30 cubic-foot capacity.
10047	Authorizes the manufacture, marking, and sale of a non-DOT specification cylinder conforming in part with DOT Specification 3AA cylinder, for transportation of certain hazardous materials.
10048	Authorizes the use of a DOT Specification 17C metal drum with inside non-DOT specification metal containers for shipment of pyrophoric liquids, Class 3 liquids, and Division 4.1 materials.
10049	Authorizes the use of a polyurethane insulated cargo tank conforming with MC-338 built prior to 1984 for transportation of Division 2.1 gases and Division 2.2 gases.
10064	Authorizes the manufacture, marking and sale of a non-refillable, non-DOT specification cylinder for shipment of Division 2.2 gases.
10066	Authorizes the manufacture, marking and sale of a welded, stainless steel, non-DOT specification cylinder for shipment of a Division 2.2 gas.
10131	Authorizes the transport of certain hazardous materials in a container conforming with the DOT Specification 2Q except for size, marking and test.
10146	Authorizes the manufacture, marking and sale of super-insulated, non-DOT specification portable tanks for shipment of liquefied helium.
10147	Authorizes the manufacture, marking and sale of non-DOT Specification, fiber reinforced plastic, full composite cylinders for shipment of certain Division 2.1 and Division 2.2 gases.
10180	Authorizes the manufacture, marking, and sale of DOT Specification 39 cylinders equipped with pressure relief device systems for transportation of Division 2.2 gases.
10184	Authorizes the shipment of a specific gas mixture in DOT Specification 4B, 4BA or 4BW



Permit Number	Special Permit Summary
	cylinders retested in accordance with the provisions of 49 CFR 173.34(e)(9) and (e)(10).
10232	Authorizes the transportation of certain refrigerant gases in a container conforming in part to DOT Specification 2Q.
10247	Authorizes the transport of small quantities of material which are not authorized under 49 CFR 173.4
10266	Authorizes the use of a non-DOT specification container.
10279	Authorizes the manufacture, marking, and sale of non-refillable non-DOT specification inside metal containers conforming with DOT Specification 2P except for size.
10298	Authorizes the shipment of liquid fuels that are Class 3 liquids in non-DOT specification collapsible, rubber containers up to 500 gallon capacity by cargo aircraft within and to only remote Alaska locations.
10319	Authorizes the manufacture, marking and sale of a non-DOT specification pressure vessel (water pump system tank) for use in the shipment of compressed air and nitrogen.
10320	Authorizes the manufacture, marking, and sale of non-DOT specification steel cylinders comparable to DOT Specification 8AL except the steel shell is made to a DOT Specification 4BW for the shipment of acetylene.
10370	Authorizes the use of a aluminum non-DOT specification cylinder for gas and oil well sampling gases, certain Class 3 liquids, certain liquefied petroleum gases, certain hydrocarbon gases and certain Division 2.2 gases.
10389	Authorizes tank car tanks loaded with chlorine to remain attached to transfer connection when the unloading process is discontinued.
10395	Authorizes highway transportation of methane, refrigerated liquid, classed as flammable gas in non-DOT specification cylinders built to 4 L specification.
10424	Authorizes the shipment of a specific gas mixture in DOT Specification 4BA240 cylinders retested in accordance with the provisions of 49 CFR 173.34(e)(9) and (e)(10).
10427	Authorizes the shipment of several types of "Flight-ready" spacecraft each containing one or more hazardous materials in specially designed non-DOT specification transport containers.
10440	Authorizes the manufacture, marking and sale of a welded austenitic stainless steel non-DOT specification cylinder conforming with DOT Specification 4DS with exceptions for shipment of Division 2.2 gases.



Permit Number	Special Permit Summary
10442	Authorizes the shipment of waste materials contaminated with small quantities of explosives in specially authorized packagings for incineration.
10457	Authorizes the use of DOT Specification MC 331 cargo tanks equipped with angle valves, excess flow valves and pressure relief valves not presently authorized in the regulations.
10458	Authorizes the use of DOT Specification 111A100W2 tank car tanks loaded with sulfuric acid, a Class 8 material, to remain attached to transfer connections when the unloading process is discontinued.
10475	Authorizes the rebuilding and sale of DOT Specification 4B, 4BA and 4BW cylinders for the transportation of propane.
10481	Authorizes the manufacture, marking and sale of vacuum insulated, non-DOT specification portable tank in an ISO frame for the transportation of certain refrigerated liquids.
10497	Authorizes the shipment of nitrogen tetroxide in non-DOT specification stainless steel tanks.
10501	Authorizes the manufacture, marking and sale of large, reusable, palletized collapsible, lined bulk bags constructed of high strength synthetic fabric having a capacity of approximately 4100 pounds each, equipped with a rigid plastic manhole at the top and a plastic base at the bottom with an air
10511	Authorizes the shipment of certain Division 2.2 gases in a non-DOT specification packaging.
10517	Authorizes the retesting of DOT Specification 57 portable tanks fabricated of stainless steel at five year intervals.
10529	Authorizes the use of non-DOT specification containers described as hermetically sealed electron tube devices.
10555	Authorizes the manufacture, marking and sale of a non-DOT approved mounting configuration in the construction of a cylinder patterned after a DOT Specification 4B cylinder for shipment of nonflammable gases.
10590	Authorizes the manufacture, marking and sale of a non-refillable, non-DOT specification, inside container similar to the DOT Specification 2P with the exception of diameter and capacity for the shipment of Division 2.1 gases.
10597	Authorizes the shipment of Class 3 liquids and/or Division 2.1 gases in temperature controlled equipment.
10603	Authorizes the manufacture, marking and sale of non-DOT specification cylinders for use in





Permit Number	Special Permit Summary
	the transportation of compressed gases.
10631	Authorizes the use of a DOT Specification MC 338 cargo tank for shipment of certain hazardous materials.
10646	Authorizes the transportation of a Division 2.1 gas in a non-DOT specification cylinder.
10648	Authorizes the carriage of Division 1.1,1.2, 1.3 and 1.4 explosives that are not permitted for shipment by air or in quantities greater than those prescribed for shipment by air.
10664	To authorize the manufacture, mark and sale of fully overwrapped high pressure cylinders consisting of aluminum liners overwrapped in carbon and glass fibers for transportation of non-liquefied compressed gases.
10677	Authorizes the manufacture, marking and sale of a non-DOT specification container conforming to DOT Specification 2P, except for size, testing requirements and marking, for the transportation of a Division 2.1 material.
10688	Authorizes the carriage of gasoline in non-DOT specification polyethylene containers over packed in plywood boxes in small, passenger-carrying aircraft within the State of Alaska to meet the needs of a passenger.
10695	Authorizes the transportation by rail and highway of ethylene oxide packaged in aluminum cartridges within a fiberboard box with a (Division 2.1) label instead of both poison gas (Division 2..3) and flammable gas labels.
10698	Authorizes the manufacture, marking and sale of non-DOT specification cylinder which complies in part with DOT Specification 4B for the shipment of dichlorodifluoromethane.
10704	To authorize the shipment of flammable and nonflammable gas aerosols complying with DOT specification 2P or 2Q containers.
10705	Authorizes the transportation of packages containing acrolein, inhibited, Division 6.1, to be exempted from the segregation requirements, when shipped via highway.
10741	Authorizes the use of a non-DOT specification cylinder comparable to a 3AX cylinder for use transporting compressed natural gas.
10751	Authorizes the transportation of certain Division 1.1D explosives together in the same motor vehicle with certain bulk combustible liquids and /or bulk Division 5.1 materials, subject to the packaging, safety control.
10756	Authorizes the manufacture, marking and sale of a vacuum insulated, non-DOT specification portable tank in an ISO frame for the transportation of certain refrigerated



Permit Number	Special Permit Summary
	liquids.
10776	Authorizes the manufacture, marking and sale of non-DOT specification cylinders made in conformance with DOT Specification 3E with exceptions, for shipment of Division 2.1 and Division 2.2 gases.
10784	Authorizes the shipment of oxygen in DOT Specification 3AA2015 cylinders in the passenger compartment of commercial aircraft.
10785	Authorizes the manufacture, marking and sale of non-DOT specification containers (radiation detection chamber) in certain non-contacting measurement systems.
10788	Authorizes the manufacture, marking and sale of a non-DOT specification non-refillable, steel inside cylinder, for the transportation of Division 2.2 gases.
10790	Authorizes the carriage of certain Division 1.1, 1.2, 1.3 and 1.4 explosives that are not permitted for shipment by air, or are in quantities greater than those prescribed by air.
10791	Authorizes the manufacture, marking and sale of a corrugated fiberboard box for use as the outer packaging for lab pack applications in accordance with 49 CFR 173.12(b).
10802	Authorizes the transportation of carbon monoxide and gas mixtures containing carbon monoxide in DOT 3AL cylinders charged to a pressure of 3,000 psig or less.
10803	Authorizes the use of motor vehicles, equipped with specific diesel-operated heating equipment, engaged in the transportation of certain Class 3 liquids or gases.
10814	Authorizes the manufacture, marking, sale and use of industrial X-ray instrumentation for the transportation of non-liquefied sulfur hexafluoride.
10832	Authorizes the transportation for disposal of unapproved waste explosive materials used in passive restraint systems.
10865	Authorizes the rebuilding, selling, of low pressure, DOT specification 4B, 4BA and 4BW steel cylinders for transporting compressed gases, Class 3 liquids, and Class 8 materials.
10880	Authorizes the use of reusable, flexible Intermediate Bulk Container (IBC) type 12H3 or 13H4 conforming to Subpart N and O of Part 178 with replaced liners having a capacity not over 1000kg (2206 pounds) and top and bottom outlets, for shipment of ammonium nitrate-fuel oil mixture ANFO.
10885	Authorizes the transportation of certain Class 1.1 explosives which exceed the quantity limitations or are forbidden for transportation by air.



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10887	Authorizes the shipment of di-nitrogen tetroxide in specially designed DOT Specification 51 portable tanks.
10898	Authorizes the transportation of a Division 2.2 material (nitrogen) in diaphragm and bladder type accumulators.
10904	Authorizes the use of a classification test method for the determination of skin corrosivity as an alternative to a procedure specified in the Hazardous Materials Regulations.
10905	Authorizes the manufacture, marking and sale of non-DOT specification fiber reinforced plastic (FRP) full composite (FC) cylinders for the transportation in commerce of certain compressed gases.
10914	Authorizes the manufacture, marking and sale of a non-DOT specification pressure vessel comparable to a DOT-3HT cylinder for the transportation of compressed helium subject to the limitations and special requirements specified.
10915	To authorize the manufacture, marking and sell of non-DOT specification fiber reinforced plastic cylinders built to DOT FRP-1 standard for use in transporting various flammable and non-flammable gases.
10921	Authorizes the transport of limited quantities of solutions containing ethyl alcohol, in strong, outside packagings for beverages, foods, cosmetics and medicines and their concentrates.
10922	Authorizes the use of certain DOT Specification 3A or 3AA specification cylinders in the transportation of certain compressed gases.
10945	To authorize the manufacture, mark and sell of non-DOT specification fiber reinforced plastic full composite cylinders constructed of seamless 6061-T6 aluminum pressure vessel fully overwrapped with filament windings for use in transporting various materials classed as flammable and non-flammable gases.
10949	Authorizes the transportation of lab pack quantities of cyanides on the same motor vehicle with non-lab packed acidic materials not to exceed 55 gallons per packaging.
10962	Authorizes the transportation of materials which require the DANGEROUS WHEN WET label in motor vehicles which are not placarded DANGEROUS WHEN WET, subject to the limitation and special requirements.
10964	This special permit authorizes the manufacture, mark, sale and use of non-DOT specification cylinder conforming to all regulations applicable to a DOT specification 4DS cylinder, except as specified herein, for the transportation in commerce of the materials authorized by this special permit.



Permit Number	Special Permit Summary
10966	Authorizes the transportation by helicopter of a Class 3 material, a combustible liquid, and a Class 8 material in non-DOT specification rotationally molded, cross-linked polyethylene portable tanks.
10970	Authorizes the manufacture, marking and sale of non-DOT specification fiber reinforced plastic (FRP) full composite (FC) cylinders for the transportation of certain compressed gases.
10984	Authorizes the transportation of specially designed UN 1A1 steel drums for the shipment of dichlorosilane.
10993	Authorizes the transportation of certain liquid fuels in non-DOT specification portable rubber containers of up to 500 gallon capacity by helicopter within and to only remote areas of the United States.
10996	Authorizes the transportation of certain rocket motors and rocket motor reloading kits as Articles, explosive, n.o.s., Division 1.4C when shipped in quantities and packagings authorized by the exemption.
11005	Authorizes the manufacture, marking and sale of non-DOT specification fiber reinforced plastic (FRP) full composite (FC) aluminum cylinders for the transportation of certain compressed gases.
11020	Authorizes chlorine filled tank cars to remain attached during unloading without the physical presence of an unloader.
11031	To authorize the manufacture, marking, sale and use of non-DOT specification bulk packagings for the transportation in commerce of certain Class 8 hazardous materials.
11032	Authorizes the manufacture, marking and sale of a non-DOT specification packaging for the transportation of compressed oxygen.
11043	Authorizes the transportation of materials classed as Division 2.3 on the same transport vehicle with materials classed as Class 3, Class 4, Class 5, and Class 8.
11044	Authorizes the transportation of a certain organic phosphate compound (2.2 dichlorovinyl dimethyl phosphate), in DOT Specification 4B240 cylinders with up to 11.35 kg (25 pounds) of product which exceeds the quantity authorized by the regulations.
11055	Authorizes the transportation of specifically identified hazardous materials that meet criteria for Division 6.1, PG I, Hazard Zone A in combination packages and provides relief from certain labeling and segregation requirements.
11077	Authorizes the transportation of Class 6.1 and Class 8 materials, in a limited number of UN1A1 and DOT 42B drums which do not meet all requirements of 49 CFR 173.226 and



Permit Number	Special Permit Summary
	173.227.
11078	Authorizes the transport of batteries, wet, and filled with alkali, electric storage, classed as Class 8, in specially designed packaging meeting UN 1H2 Packing Group III requirements.
11080	Authorizes the use of a modified Canadian Explosive Transportation compartment container instead of the IME compartment container, for transportation of certain explosives in the same motor vehicle.
11107	Authorizes the transportation of certain Division 1.4 explosive devices which have not been examined and approved to be shipped as Division 1.1 devices under certain conditions.
11136	Authorizes the transportation of Fireworks, Division 1.3G, UN0335 by cargo aircraft only, which is otherwise forbidden by the regulations.
11150	Authorizes the transportation of liquefied petroleum gas in DOT specification cylinders, secured to transport vehicles on passenger ferry vessels
11151	To authorize the transport of limited quantities of hazardous waste, classed as Division 6.1, Hazard Zone A material in combination packaging in the same transport vehicle with Class 3 and 8, Division 4.1, 4.2, 4.3, 5.1 and 5.2.
11153	To authorize the transport of limited quantities of hazardous waste, classed as Division 6.1, Hazard Zone A material in combination packaging in the same transport vehicle with Class 3 and 8, Division 4.1, 4.2, 4.3, 5.1 and 5.2.
11156	Authorizes the transport of small quantities of reagent chemicals in inside glass bottles packed in metal boxes over packed in a strong wooden or fiberboard box.
11167	Authorizes manufacture, marking and sale a non-DOT specification 250 gallon capacity packaging system consisting of an inner and outer cylindrical metal container meeting group I packaging criteria for shipment of all packing group I materials, solids and liquids.
11173	Authorizes the transportation of certain hazardous materials in stainless steel cylinders conforming in part to the DOT-4BW specification.
11178	Authorizes the transportation of bromine, Class 8, Hazard Zone A in a non-DOT specification portable tank constructed of 1/4 inch thick mild steel with 1/4 inch lead lining.
11180	Authorizes the transportation of metal tubing which contain hazardous materials assigned to Division 4.3, Packaging Group III, or Division 6.1, Packaging Group III, respectively, and excepts them from the packaging, marking, labeling, and placarding requirements of Hazardous Materials Regulations.



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11185	Authorizes transportation of regulated medical waste in non-DOT specification bulk packaging. The exemption authorizes the use of Meese Model 72P poly-trux carts as re-usable outer packagings for the highway transportation of regulated medical waste in triple packaging type containers.
11186	Authorizes the manufacture, mark and sell of a cryogenic portable tank of SA-240 316L construction, comparable to MC-338, equipped with safety relief valve with 250 psig for use in transporting hazardous materials classed in Division 2.1 and 2.2.
11194	To authorize the manufacture, marking and sell of non-DOT specification fiber reinforced plastic full composite cylinder for shipment of certain Division 2.1 and 2.2 gases.
11197	Authorizes restricted quantities of hazardous materials that are authorized for exceptions in 172.101 Column 8a to be transported without shipping papers and markings.
11202	Authorizes the intra-plant transportation cross public street, of various classes of hazardous materials in quantities not to exceed 55 gallons to be transported as non-regulated.
11220	Authorizes the refilling and reuse of certain packagings, which have not been subjected to the leak proofness test in accordance with 49 CFR 173.28(b)(2).
11230	Authorizes the transportation of certain Division 1.1B and 1.4B non-electric detonator assemblies without packagings in the same motor vehicle with Division 1.1D, 1.5D explosives and Division 5.1 oxidizers when those detonator assemblies are placed within the partitioned IME container or compartment
11241	Authorizes the transportation of certain class 3 materials, in greater than 263,000 pounds but not greater than 270,000 pounds, in DOT Specification 105J300W tank cars authorized under DOT-E 11184.
11248	Authorizes the manufacture, mark and sale of specially designed combination type packaging for transporting certain hazardous materials without required labelling and placarding in limited quantities.
11252	Authorizes the transportation of certain hazardous materials, in certain non-DOT specification metal aerosol containers.
11253	Authorizes continued use of certain DOT Specification cargo tanks which are not insulated as required for shipment of Sulfur Dioxide, liquefied, Division 2.3.
11262	Authorizes the manufacture, marking and sale of a non-DOT specification cylinder comparable to DOT Specification 4L to be used for the transportation of oxygen.
11263	To authorize the emergency exemption of a DOT Specification 112S340W tank car,



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	containing a partial load of a Class 2.2 material.
11265	Authorizes the shipment of ethylene oxide contained in aluminum canisters over packed in fiberboard boxes to carry a Division 2.1 label instead of a Division 2.3 label.
11273	Authorizes the transportation of certain Division 1.1, 1.2, 1.3 and 1.4 explosives which are forbidden or exceed quantities authorized for transportation by cargo aircraft only.
11274	Authorizes the transportation of personally-owned fire extinguisher bottle in private owned vehicles shipped under military or civilian permanent change of station orders aboard cargo vessel.
11281	Authorizes the transportation of Class 8 and Division 6.1, PIH material in un-insulated MC 312, 330, 331 and DOT 412 cargo tanks and DOT 51 portable tanks of stainless steel construction.
11286	Authorizes the transportation of small quantities of hazardous materials under the exceptions provided 49 CFR 173.4 when packaged according to the limitation and special requirements.
11289	Authorizes the manufacture, marking and sale of DOT Specification 39 cylinders which deviate from the visual inspection requirements.
11294	Authorizes the transportation of certain lab pack quantities of hazardous materials with other materials in lab packs, which partial relief from certain segregation requirements.
11296	Authorizes the transportation in commerce of certain waste aerosol cans containing flammable gas propellants, including isobutane and propane, over packed in removable head DOT Specification 17H for UN1A2 steel drum, or disposal.
11321	Authorizes the transportation of un-insulated DOT specification cargo tanks and portable tanks containing titanium tetrachloride which is poisonous by inhalation.
11323	Authorizes the manufacture, marking and sale of non-DOT specification cylinders for the transportation of hazardous materials authorized in DOT Specification 39 cylinders.
11328	Authorizes the transportation of an alternative stacking arrangement for cylindrical shaped bags of Explosive, Blasting Type E, 1.5D, UN 0332, packed in 5H3 Bags which otherwise is not authorized by the regulations.
11329	Authorizes the transportation of an aluminum phosphide based fumigant/insecticide. The aluminum phosphide pesticide must be shipped in a limited number of specially designed containers transported by private motor vehicle.



Permit Number	Special Permit Summary
11352	Authorizes the transportation of certain hazardous materials across a public road, from one part a plant to another.
11356	Authorizes the reassignment of certain high viscosity flammable liquids from Packing Group II to Packing Group III for packaging with a capacity greater than 30L.
11360	Authorizes the transportation of certain non-DOT specification pressure vessels containing compressed hydrogen, which are a component part of a nickel-hydrogen battery.
11373	Authorizes the transportation of a Division 4.1 (self-heating) material on the same transport vehicle with Class 8 (corrosive) liquids when the materials are separated.
11378	Authorizes the transportation of certain hazardous materials in non-DOT specification stainless steel cylinders comparable to DOT Specification 4BW.
11379	Authorizes the manufacture, mark and sale of non-DOT, cylinders (pressure vessels) for use as components of automobile vehicle safety systems. These pressure vessels may be charged with non-toxic, non-liquefied gases, or mixtures thereof and are authorized for transportation in commerce.
11380	Authorizes the transportation of certain compressed hydrocarbon gases in non-DOT specification cylinders.
11382	Authorizes the manufacture, marking and sale of non-DOT specification fiber reinforced plastic (FRP) hoop wrapped cylinders to be used for transportation of certain compressed gases.
11383	Authorizes the transportation of certain hazardous materials in non-DOT specification stainless steel cylinders comparable to DOT Specification 4BW.
11388	Authorizes the transportation of DOT Specification 57 portable tanks made of stainless steel, containing certain dual hazard liquids.
11394	Authorizes the manufacture, marking and sale of non-DOT specification stainless steel cylinders comparable to DOT Specification 4BA for the transportation of certain hazardous materials.
11396	To authorize the transportation in commerce of certain flammable, non-flammable gases, Division 2.1 and 2.2 in aerosol containers over packed in strong outside packages with no weight limitations.
11401	To authorize the transportation in commerce of unpowered cesium devices classed as Division 4.3 consisting of a stainless-steel cylinder, over packed in strong fiberboard boxes.





Permit Number	Special Permit Summary
11432	Authorizes transportation of certain Division 1.4 igniters mix-packed with certain Division 1.4 detonators and shipped on the same motor vehicle, cargo vessel or cargo aircraft with Division 1 explosive jet perforating guns, detonating cords, commercial shaped charges or power devices cartridges.
11434	Authorizes tank cars, containing certain hazardous to remain standing with unloading connections attached when no product is being transferred, provided that a minimal level of monitoring, as specified in the exemption is maintained., without the physical presence of an unloader.
11440	Authorizes the transportation of trimethylacetyl chloride, in polyethylene drums or composite packagings which are not individually over packed in accordance with Section 173.227(b).
11443	To authorize the transportation of Division 5.2 organic peroxides in intermediate bulk containers equipped with the same pressure release system as DOT-57 portable tanks.
11458	To authorize the transportation in commerce of consumer commodities eligible for reclassification as ORM-D in pallet-sized display packs that exceed the gross weight limit for limited quantity packages.
11470	To authorize the transportation in commerce of shrink wrapped pallets containing boxes of waste ORM-D materials with the word "WASTE" marked on the outside of the pallet instead of on each individual box.
11481	Authorizes the manufacture, marking and sale of certain shock absorbers and struts, containing a flammable gas, for transportation as accumulators.
11487	To authorize the transportation of a specially designed bottle assembly equipped with seal welded cylinder for use in transporting compressed gas mixtures of hydrogen and nitrogen, Division 2.1 and 2.2.
11489	Authorizes the transportation by private carriage, of certain unapproved or unidentified items as approved, air bag inflators or air bag modules or seat belt pre-tensioners or seat belt modules as Division 1.4C explosives articles.
11494	Authorizes the manufacture, marking and sale of non-DOT specification cylinders (pressure vessels) for use as components of automotive vehicle safety systems for use in transporting compressed gases.
11502	Authorizes the transportation by highway, of hazardous materials prepared in accordance with 49 CFR 171.11 and the ICAO Technical Instructions, regardless of whether any part of the transportation is by aircraft.



Permit Number	Special Permit Summary
11503	To authorize the transportation of unmanned deck barges without required placarding and segregation requirement with covered cargoes weighing under 1001 pounds.
11506	Authorizes the manufacture, marking and sale of non-DOT specification cylinders (pressure vessels) for use as components of automobile vehicle safety systems. The pressure vessel may be charged with non-toxic, non-liquefied gases, or mixtures thereof.
11513	To authorize the transportation cyclotetramethyle tetranitramine (HMX) dry, Division containing less than 10 percent water.
11516	Authorizes the transportation of certain DOT Specification 2Q containers containing difluoroethane or tetrafluoroethane dimetehylether mixtures.
11517	Authorizes the transportation of Class 3 and Class 8 materials in multiple non-DOT specification portable tanks manifolded together within a frame and securely mounted on a truck chassis.
11526	To authorize the use of ultrasonic inspection method in lieu of hydrostatic testing of 3A and 3AA cylinders.
11536	Authorizes the transportation of a spacecraft in a special sealed packaging (shipping container). The spacecraft contains Division 2.2 gases and Class 8 corrosive liquids in non-DOT specification packagings and limited quantities of Division 1.4S explosives secured within the spacecraft.
11565	To authorize the manufacture, mark and sale of non-DOT specification cargo tanks of fiberglass construction for use in transporting Class 8 material.
11579	To authorize the transportation in commerce of certain Class 8 acidic materials on the same motor vehicle with Division 1.5D explosives.
11580	Authorizes the transportation of certain DOT specification cylinders containing propane, a Division 2.1 gas, which is forbidden for shipment aboard passenger carrying aircraft.
11583	To authorize the transportation of freight traffic and passengers in mixed train service.
11592	To authorize an alternative design equation in the manufacture, mark and sale of cylinders of deep-drawn dome design for use in transporting compressed air or compressed nitrogen.
11596	To authorize the transportation in commerce of hydrogen sulfide German IMO/IMDG approve containers.
11598	To manufacture, mark and sale fire extinguishers with a non-specified pressure relief device for use in transporting Division 2.2 material.



Permit Number	Special Permit Summary
11602	To authorize the transportation in commerce of sift-proof bulk packagings comparable to those described in Section 173.240 and SP B54 for the shipment aluminum processing by products, including drosses and spent pot liner.
11606	To authorize the transportation in commerce of non-DOT specification steel drums to ship waste combustible liquid and tetrachloroethylene sledges.
11620	To authorize the manufacture, mark and sale non-DOT specification cylinders which meets the requirements of a DOT specification 39 cylinders for the transportation of refrigerant 134A, Division 2.2?
11624	To authorize the transportation in commerce of household hazardous wastes identified as paint or paint related material, Class 3 material, in quantities greater than those presently authorized.
11629	To authorize the emergency transportation of commerce of certain simulators that have a history of out gassing hydrogen due to a reaction between the magnesium based pyrotechnic compounds and internal moisture.
11634	To authorize the transportation in commerce of materials classed as ORM-D consumer commodities without inner packagings being packed, secured and cushioned to control their movement within the outer packaging.
11644	To authorize the transportation in commerce of a non-DOT specification three-piece inside metal container with welded side seam and double seamed ends conforming to DOT-Specification 2Q for use in transporting R-134a (1, 1, 2 tetrafluoroethane).
11646	To authorize the transportation in commerce of reused 1A2 steel drums without leak proofness test for use in transporting waste combustible liquids.
11647	To authorize the manufacture, mark and sale of billet-pierced DOT specification 3AA cylinders without billets being inspected after parting.
11650	To authorize the emergency transportation in commerce of non-DOT specification non-refillable cylinders charged with pyrotechnic initiating device classed as igniters, Division 1.4G.
11654	To authorize the transportation in commerce of certain Class 3 material in DOT 105J tank cars with a maximum gross weight greater than 183,000 but not greater than 184,000.
11666	This special permit authorizes the transportation in commerce of green graphite products on open flat bed truck trailers and rail flat cars.
11670	To authorize the transportation in commerce of pressurized oil well formation samples from the well site to the analysis laboratory in specially designed non-DOT specification



Permit Number	Special Permit Summary
	packaging.
11677	To authorize the transportation in commerce of Division 1 explosives presently forbidden or in quantities greater than those authorized.
11691	To authorize the transportation in commerce of various classes of hazardous materials and foodstuffs to be exempt from segregation requirements during vessel stowage.
11692	To authorize the manufacture, mark and sale of a non-DOT specification cylinder similar to DOT 3T, except with a lower minimum allowable wall thickness for use in transporting certain Division 2.1, 2.2, and 2.3 material which are PIH.
11693	To authorize the bulk transportation by vessel, in freight containers, of fishmeal treated with NATUROX instead of ethoxyqui, Division 4.2.
11714	To authorize the emergency transportation of non-DOT specification containers for use in transporting paint or epoxy for use in road striping.
11721	To authorize the elimination of 100% internal visual inspection of cylinders for use in transporting Division 2.1 material.
11722	To authorize the transportation in commerce of non-DOT specification cylinders comparable to 3AX for use in transporting various gases.
11725	To authorize the transportation in commerce of certain non-DOT specification containers containing certain Division 2.1, 2.2 and 2.3 liquefied and compressed gases.
11733	To authorize the transportation in commerce of various Division 5.2 material in certain non-DOT specification cargo tanks not meeting all of the requirements for specification DOT 407 or DOT 412.
11736	To authorize the transportation in commerce of black iron oxide, Division 4.2, in FIBCs not to exceed 2,500, lined paper bags meeting UN5M2, repulpable paper bags, and unlined paper bags and not to exceed 55 lbs.
11753	To authorize the emergency transportation of ammonia solutions, Class 8, in UN1H1/Y1.2/150 closed head polyethylene drums that do not meet the hydrostatic test pressure requirements.
11759	To authorize the transportation in commerce of 112S400W and 112S500W tank cars equipped with 1.5 inch Crosby JQ relief valves for use in transporting Division 6.1 material.
11761	To authorize the transportation in commerce of Class 8 material in rail cars equipped with 165 psig and baffles with alternative rupture disc inspection procedure.



Permit Number	Special Permit Summary
11771	To authorize an alternative inspection criteria of rail cars used in transporting Class 2 and 3 material.
11777	To authorize the transportation in commerce of certain cartridges, power devices classed as Division 1.4S and airbag inflators or airbag modules classed as Division 4.1 or Class 9 exempt from the marking and labelling requirements.
11779	To authorize the transportation in commerce of gasoline, Class 3, in UL approved non-bulk polyethylene containers in support of log-cutting operation.
11780	To authorize the transportation in commerce of certain x-ray systems containing sulfur hexafluoride, Division 2.2.
11782	To authorize the transportation in commerce of non-specification cylinders constructed of 316L stainless steel for use in transporting a Division 4.2 material.
11789	To authorize rail cars to remain attached to connectors during the entire unloading process without the physical presence of an unloader.
11798	To authorize the transportation in commerce of DOT specification 3A or 3AA cylinders for use in transporting various gases classed in Division 2.1.
11804	To authorize an emergency exemption for the transportation in commerce of a safety kit containing two highway fuses, one tire inflator, and one fire extinguisher as a consumer commodity, ORM-D.
11808	To authorize the foreign inspection of certain multi-unit tank cars (one ton containers) manufactured in Mexico for use in transporting chlorine.
11811	To authorize the transportation in commerce of various household hazardous wastes to be transported without having the quantity and unit measurement shown on the shipping paper.
11818	To authorize the transportation in commerce of certain non-DOT specification containers containing certain Division 2.1, 2.2 and 2.3 liquefied and compressed gases not equipped with pressure relief devices to be used in connection with flight project spacecraft containing heat pipes.
11826	To authorize the transportation in commerce of DOT-3AL aluminum cylinders for use in transporting various mixtures of gases.
11827	To authorize an emergency exemption to waive a 5-year internal inspection of polytetrafluorethylene lined IM portable tanks for use in transporting various classes of hazardous materials.



Permit Number	Special Permit Summary
11834	To authorize the transportation of Division 3 and 5.1 material in UN 1A2/Y1.4/100 open-head steel drums as part of a mechanical application system.
11836	To authorize the emergency transportation of polyethylene drums for use in transportation non-bulk quantities of ammonia solutions, Class 8.
11839	To authorize loading of cargo tank containing Class 3 and Division 2.1 material without the physical presence of an unloader.
11844	To authorize the transportation in commerce of explosives, Division 1, that are forbidden or exceed the quantity limitation for transportation by air.
11859	To authorize the manufacture, mark and sale of non-DOT specification cylinders as part of a gas bottle system consisting of two cylindrical/spherical halves fabricated from stainless steel for use in transporting Division 1.4S material.
11860	To authorize the transportation in commerce of DOT111A60ALW-2 aluminum tank cars without head shields to be use in transporting hydrogen peroxide, Division 5.1.
11864	To authorize the transportation in commerce of tank cars containing the residue of a Class 9 material when the inspection required by 173.31(d)(1)(vi) does not include removing the rupture disk.
11880	To authorize the transportation in commerce of Division 4.2 material in modified covered hopper railcars.
11881	To authorize the transportation in commerce of explosives classed in Division 1.1, 1.4 and 1.5 on the same vehicle aboard ferry vessel for quarry operations.
11883	To authorize the transportation in commerce of meter provers in assorted sizes with residual amounts of Class 3 hazardous materials.
11892	To authorize the manufacture, mark and sale of non-DOT specification steel portable tanks, similar to DOT-51 steel portable tanks, permanently fitted within an ISO frame for use in transporting those hazardous materials authorized in a DOT-51.
11911	To authorize the manufacture, mark and sale of 50 gallon to 105 gallon refueling tanks as intermediate bulk containers a system for use in transporting various Class 3 hazardous materials.
11914	To authorize the transportation in commerce of a Division 2.1 hazardous materials in non-refillable non-DOT specification inside container conforming with the DOT Specification 2P except for size, testing requirements and markings.



Permit Number	Special Permit Summary
11924	To authorize the manufacture, marking and sale of a corrugated fiberboard box for use as the outer packaging for lab pack applications for use in transporting various classes of hazardous wastes.
11932	To authorize the transportation in commerce of oxygen generators in passenger service units in bulk non-DOT specification packaging.
11947	To authorize the manufacture, mark and sale of non-specification 60 gallon portable metal tanks designed and constructed in accordance with DOT-Specification 57, with certain exceptions, for use in transporting Flammable liquids, n.o.s., Class 3.
11952	To authorize the emergency transportation in commerce of specially designed packaging consisting of a cylinder containing less than 7.22 cubic inches of nitrogen, compressed, Division 2.2.
11953	To authorize the transportation in commerce of cylinders that are exempt from the maximum 1,000 pound water capacity requirement of 178.61(a).
11966	To authorize the transportation in commerce of DOT 111A-60A1W2 aluminum tank cars equipped with half head shields instead of full for use in transporting Hydrogen peroxide aqueous solutions, Division 5.1.
11967	To authorize tank cars to remain connected during unloading of various hazardous materials to remain connected during unloading without the physical presence of an unloader.
11970	To authorize the transportation in commerce of DOT-Specification 51 portable tanks equipped with a bottom outlet and no internal shutoff valve for use in transporting pyrophoric solids, inorganic, n.o.s., Division 4.2.
11984	Request for an emergency exemption from the requirement for a second safety mechanism when shipping oxygen generators.
11989	Request for an emergency exemption from segregation requirements aboard vessels for explosive materials.
11990	To authorize the manufacture, mark and sale of non-DOT specification cylinders for transportation in commerce of gas and oil well samplings containing certain Division 2.1, 2.2 and Class 3 material.
11993	To authorize the manufacture, mark and sale of non-DOT specification cylinders for use as components of automobile vehicle safety systems.
12002	To authorize the use of pressure as an alternative method of removing frozen liquid from



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	tank car bottom outlets instead of steam and hot water.
12005	To authorize the transportation in commerce of a specially designed unit equipped with a cylinder charged with xenon gas, Division 2.2, as part of a space station project.
12007	Request for packaging not authorized for Chloropicrin.
12009	Request for an emergency exemption to transport anhydrous ammonia in cylinders that are not authorized or exceed the maximum storage density.
12014	To authorize the transportation in commerce of used refrigerating machines containing no more than 1000 pounds of Class A refrigerants classed as Division 2.2.
12015	To authorize tank cars containing various hazardous materials to remain standing with unloading connections attached when unloading has been temporarily discontinued or unloading in complete without the physical presence of an unloader.
12018	Request for emergency exemption to authorize the bulk transportation of refrigerated liquids in cargo tanks when the tanks are not mounted on motor vehicles.
12022	To authorize the use of ultrasonic inspection in lieu of hydrostatic pressure test and internal visual inspection of 3AA cylinders for use in transporting hazardous materials classed as Division 2.1, 2.2 and 2.3.
12030	To authorize the transportation in commerce of battery fluid, acid, Class 8, in UN6HG composite packagings tested to Packing Group II test criteria with dry storage batteries, continuing no hazardous material, in UN 4G fiberboard boxes. The maximum gross weight will not exceed 81.5 pounds.
12038	To authorize the transportation in commerce of Hydrocarbon Blend B refrigerant gas, Division 2.1, in non-DOT specification containers similar to DOT2Q cans with over-pack.
12046	To authorize the transportation in commerce of various hazardous materials in small quantities inside lab packs without required markings and labelling as essentially non-regulated.
12056	To authorize the transportation in commerce of Division 6.1 material and Division 3.3 material, in propellant tanks designed to a military specification.
12065	To authorize the use of a specially designed device to obtain flashpoint data for fragrance formulas.
12067	To authorize the transportation in commerce of compressed gases, n.o.s, Division 2.2 in non-DOT specification cylinders used as part of an aircraft components.





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12068	To authorize the shipment of a rocket motor and components which have not been examined and approved as required in specially designed packagings and shipping configurations.
12074	To manufacture, mark and sale DOT Specification steel portable tanks designed, constructed and stamped in accordance with Division 2 of Section VIII of the ASME B and PV Code for use in transporting Division 2.1 and 2.2 material.
12079	To authorize the manufacture, mark and sale of non-DOT specification cylinders comparable to a DOT specification 3AA for use as a scuba diving cylinder containing a Division 2.2 gas.
12087	To authorize the manufacture, mark, and sale of non-DOT specification metal containers containing Boron Trifluoride, classed as 2.3 for use in radiation detectors.
12092	Request for an emergency exemption to use an alternate test method for cylinders rather than the hydrostatic test.
12095	Emergency exemption that authorizes an alternative inspection and test program for any class DOT tank car, and any non-DOT tank car when such car is used to transport hazardous material.
12098	To authorize the transportation in commerce of certain compressed gases, Division 2.2, in non-DOT specification pressure vessels.
12102	To authorize the transportation of certain Division 1.1D, unstable waste laboratory mixtures that has been desensitized to remove their explosive characteristics, as Division 4.1 flammable solids.
12112	Request for an emergency exemption to authorize the transportation in commerce of certain gases in copper cylinders of foreign manufacture.
12116	To authorize the transportation in commerce of certain flammable gases, Division 2.1, in non-DOT specification cylinder used for oil well sampling.
12118	To authorize the manufacture, marking, sale and use of DOT Specification 4L welded insulated cylinders and assemblies mounted to handling skid for use in transporting Division 2.2 material.
12122	To authorize the manufacture, mark, sale and use of non-DOT specification cylinders for use as components of automotive vehicle safety systems.
12124	To authorize the transportation in commerce of a non-DOT specification portable tank comparable to a specification DOT 51 portable tank equipped with bottom outlet and no internal shutoff valve for use in transporting various hazardous materials classed in Division



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	4.2 and 4.3.
12130	To authorize the manufacture, marking and sale of non-DOT specification insulated portable tanks for the transportation in commerce of carbon dioxide, refrigerated liquid.
12133	To authorize the transportation in commerce of certain Division 1.1, 1.2, 1.3 and 1.4 explosives which are forbidden or exceed quantities authorized.
12134	To authorize the transportation in commerce of sift-proof dump or hopper-type vehicles and sift-proof roll-on/roll-off bulk bins with tarpaulins, metal covers or equivalent covers for use in transporting Division 4.2 material.
12135	To authorize the manufacture, mark and sale of non-DOT specification cylinders (pressure vessels) for use as components of automobile vehicle safety systems.
12155	To authorize the transportation in commerce of a specially designed non-DOT specification packaging containing compressed sulfur hexafluoride, Division 2.2.
12162	Request for an emergency exemption to authorize the use of non-DOT specification containers for certain compressed gases.
12173	To authorize the transportation in commerce of nitrogen, refrigerated liquid, Division 2.2, in insulated bulk cryogenic liquid tanks in quantities which exceed those authorized.
12178	Request for an emergency exemption to use a non-DOT specification container for liquefied gas, flammable, n.o.s.
12184	To authorize the acoustic emission retesting and internal inspection of DOT3A and DOT 3AA tubes in lieu of hydrostatic test.
12187	To authorize the manufacture, marking and sale of non-DOT specification cylinders for use in transporting certain Division 2.2 material.
12195	To authorize the manufacture, mark and sale, of metal intermediate bulk containers meeting design type UN31A, except for minimum thickness requirements and marking requirements for use in the transportation of certain hazardous materials.
12196	To authorize the manufacture, mark and sale of non-DOT specification stainless steel alloy cylinders to be used for the transportation in commerce of nitrogen or nitrogen mixtures classed as Division 2.2 materials.
12211	To authorize the use of non-DOT specification portable tanks containing liquid nitrogen, cryogenic liquid.



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12222	To authorize the transportation in commerce of DOT 39 Specification cylinders, containing a Division 2.2 gas, with a filling density which exceeds those presently authorized.
12241	To authorize the bulk transportation of Metal catalyst, wetted, Division 4.2 in DOT specification tank trucks.
12247	To authorize the ultrasonic testing of DOT-3A and DOT-3AA seamless steel cylinders for use in transporting Division 2.1, 2.2 or 2.3 material.
12268	To authorize the transportation in commerce of empty non-DOT specification packaging containing residual of certain Class 8 materials.
12274	Authorizes the transportation of personally-owned fire extinguisher bottle in private owned vehicles shipped under military or civilian permanent change of station orders aboard cargo vessel.
12283	Request for an emergency exemption to authorize the transportation in commerce of large wet storage batteries in non-DOT specification packages.
12284	Request for exemption to authorize the transportation in commerce of certain non-DOT specification cargo tanks used for roadway striping.
12290	To authorize an alternative blocking method of rail cars while transferring various classes of hazardous materials.
12295	To authorize the transportation in commerce of a Division 6.1 material in IM-tanks equipped with bottom outlets.
12297	To authorize the transportation in commerce of non-DOT specification cylinders for aircraft use constructed of stainless steel with a psi maximum service pressure that exceeds the requirement for use in transporting Division 2.2 material.
12301	To authorize the transportation in commerce of Division 2.3 and 6.1 materials in DOT-Specification 4BW cylinders that exceeds the presently authorized quantity limitations.
12306	To authorize the transportation of closed head 1A1 55 gallon drums from a storage yard into the main plant via fork trucks, without required bill of lading or placards.
12325	To authorize an alternative monitoring system during unloading of various hazardous materials without the physical presence of an unloader.
12332	To authorize the transportation in commerce of air bag modules or seat belt pre-tensioners that has been removed from motor vehicles for disposal to be transported without required markings.



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12334	To authorize the manufacture, marking and sale of non-DOT specification cylinders comparable to 3A or 3AX seamless steel cylinder for use in transporting compressed hydrogen, Division 2.1.
12335	To authorize an alternative packaging method for use in transporting Cord, detonating, Division 1.1D and 1.4D.
12338	To authorize the transportation in commerce of non-DOT specification seamless steel cylinders comparable to DOT-3A cylinders for use in transporting Self-heating solid, inorganic, n.o.s., Division 4.2.
12339	To authorize the transportation in commerce of various Division 2.1 and 2.3 gases in DOT Specification 3AL aluminum cylinders, over packed in freight containers.
12340	To authorize the transportation in commerce of Class 8 material in DOT 3H1 HDPE square jerricans with a lower pressure rating, equipped with or without dip tubes.
12341	To authorize the transportation in commerce of non-DOT Specification cylinders pressurized to a low storage pressure with Division 2.2 material.
12358	To authorize the transportation in commerce of Lighters or Lighter refills, Division 2.1, without required labelling when packaged in accordance with 49 CFR.
12378	To authorize the transportation in commerce of dry ice not meeting the exceptions identified in 175.10.
12379	To authorize tank cars to remain standing with transfer fitting from the bottom discharge valve attached to remain standing without the physical presence of an unloader.
12382	To authorize the transportation in commerce of certain Division 1.1, 1.2, 1.3 and 1.4 explosives which are forbidden or exceed quantities presently authorized.
12383	To authorize the transportation in commerce of Class 1 explosives onboard cargo vessel to be exempt from stowage requirements.
12384	Request for an emergency exemption to transport non-flammable gas in a package (accumulator) which is not authorized under the Hazardous Materials Regulations (HMR).
12391	To authorize the transportation in commerce of certain Division 2.1 and 2.2 gases in DOT Specification 3A or 3AA, and ICC 3, 3A or 3AA cylinders manufactured on or before December 31, 1945, and which have been retested at least every 10 years.
12392	To authorize the transportation in commerce of non-DOT specification steel portable tanks permanently fixed within ISO frames, which are similar to DOT 51 portable tanks for use in



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	transporting all hazardous materials presently authorized.
12396	To authorize the transportation in commerce of a non-DOT specification cylinder as part of a specifically designed device for space flight for use in transporting Nitrogen, Division 2.2.
12398	To authorize the transportation in commerce of DOT 3A and 3AA cylinders equipped with alternative relief devices for use in transporting Division 2.2 material.
12399	To authorize the use of ultrasonic inspection as an alternative retest method for DOT Specification 3AL cylinders.
12402	To authorize the manufacture, marking and sale of non-DOT specification cylinders (comparable to DOT Specification 3BN cylinders) equipped with an alternative bottom plug for use in transporting presently authorized hazardous materials.
12405	To authorize an increase in filling density to the cylinder test pressure for the transportation of Division 2.1, 2.2 and 2.3 hazardous materials.
12412	To consolidate the exemptions that currently authorize the discharge of hazardous materials in UN Intermediate Bulk Containers (IBC) without removing the IBC from the motor vehicle on which it is transported.
12415	To authorize the manufacture, mark, sale and use of non-DOT specification containers described as hermetically-sealed electron tube devices for use in transporting various Division 2.2 materials.
12423	To authorize the transportation in commerce of DOT 111A100W5 tank cars that exceed the authorized load capacity for use in transporting hydrochloric acid, Class 8.
12431	To authorize the manufacture, marking, and sale of a reusable non-DOT specification, welded stainless steel cylinder for use in transportation of certain Division 2.2 materials.
12440	To authorize the manufacture, marking and sale of non-DOT specification cylinders for use in transporting various Division 2.2 materials.
12442	To authorize the transportation in commerce of liquid nitrogen, cryogenic liquid, Division 2.2 in insulated portable tanks by cargo vessel for delivery to oil and gas production facilities.
12443	To authorize rail cars containing Class 8 hazardous materials to remain attached to unloading connectors without the physical presence of an unloader.
12448	Request for an emergency exemption to transport anhydrous ammonia in DOT spec. cylinders which are not authorized for anhydrous ammonia.



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12463	Request for an emergency exemption for the movement of oxygen in insulated cylinders or cargo tanks on passenger vessels.
12469	To authorize an alternative testing method for DOT-Specification MC 312 and MC 412 cargo tanks used in transporting radioactive materials, Class 7 and corrosive materials, Class 8.
12475	To authorize the transportation in commerce of lithium alkyls, Division 4.2, in certain 1A1 drums, without undergoing a leak proofness test prior to each refilling when refilled with lithium alkyls and certain other liquid hazardous materials.
12479	To authorize the manufacture, mark, sale and use of non-DOT specification fiberglass hoop wrapped cylinders for the transportation in commerce of certain compressed gases.
12481	To authorize the transportation in commerce of an actuator and valve assembly for use in transporting various classes of hazardous materials.
12499	Request for an emergency exemption to transport liquefied petroleum gas in a non-DOT specification cargo tank.
12506	Request for an emergency exemption to transport fire extinguishers by commercial aircraft.
12515	To authorize the transportation in commerce of non-DOT specification portable tanks for use in transporting various Division 2.2 material.
12516	To authorize the manufacture, marking and sale of non-DOT specification cargo tanks constructed of fiberglass reinforced plastic for use in transporting various classes of hazardous materials.
12521	To authorize the transportation in commerce of non-DOT specification cylinders manufactured in the U.S. for export with valving and relief device requirements of the country that the cylinders will be exported to for use in transporting various compressed gases.
12531	To authorize the manufacture, marking, sale and use of non-DOT specification cylinders designed in accordance with DOT 4BW specification for use in transporting various hazardous materials.
12532	To authorize the manufacture, marking, sale and use of non-DOT specification cylinders similar to DOT specification 39 cylinder for use in transporting helium, Division 2.2.
12549	To authorize the manufacture, marking, sale and use of DOT Specification 51 steel portable tanks permanently installed in an ISO frame that have been designed, constructed and stamped in accordance with Section VIII, Division 2 instead of Division 1 of the ASME Code.



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12552	To authorize an alternative testing method for specially designed aerosol containers for use in transporting limited quantities of Division 2.1 material.
12562	To authorize the transportation in commerce of Division 2.1 hazardous materials in non-refillable non-DOT specification inside containers conforming to DOT Specification 2P except for size, testing requirements and markings.
12571	To authorize the transportation in commerce of Division 2.2 material in 3AA, 3A, 3AAX, 3AX cylinders without pressure relief devices.
12574	To authorize an acoustic emission test in lieu of hydrostatic retest and internal inspection of DOT 107A tubes used for transporting compressed gases.
12576	Request for an emergency exemption to permit a lower design pressure of a cargo tank.
12589	To authorize the reuse of 3BN (nickel) cylinders that have been used for hydrogen fluoride service to tungsten hexafluoride service, Division 2.3.
12599	To authorize the transport of silicon tetrafluoride in DOT Specification 3AAX and 3AA manifolded cylinders.
12607	To authorize an alternative method of retest for DOT 3AL seamless cylinders manufactured from 6061 alloy for use in transporting Division 2.1, 2.2 and 2.3 materials.
12609	To authorize the transportation in commerce of non-bulk packagings containing Class 8 material that are no longer authorized for transportation.
12613	To authorize the transportation in commerce of a Class 3 material in DOT112J340 tank cars with a maximum gross weight on rail that exceed the maximum limit of 263,000 pounds.
12622	To authorize the transportation in commerce of Division 1.3C, 1.4C, and 2.2 airbags without the required shipping papers and placarding.
12630	To authorize the transportation in commerce of lithium alkyls, Division 4.2, in non-DOT specification IM 101 portable tanks with an equivalent minimum shell thickness less than that prescribed for the material.
12633	Request for an emergency exemption for the use of a non-bulk package for the use in an integral component of a flame application system (heli-torch).
12637	Request for emergency exemption to transport liquid oxygen and nitrogen in non-DOT specification tanks.
12643	Request for an emergency exemption to transport helium in a non-DOT specification



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	container called a pulse tube cooler.
12661	To authorize the transportation in commerce of certain hazardous materials that are not properly packaged, marked, labeled or classed in accordance with the 49 CFR.
12677	To authorize the transportation in commerce of certain Division 1.1D, 1.4B, 1.4S, and 1.5D explosives with certain Division 5.1 oxidizers, combustible liquids, and certain Class 8 corrosive liquids on a specially designed motor vehicle.
12679	To authorize the transportation in commerce of non-DOT specification cylinders comparable to Specification 39 non-reusable for use in transporting oxygen.
12682	To authorize the manufacture, marking, sale, and use of a UN standard 11G fiberboard IBC for use as the outer packaging for lab pack applications in accordance with § 173.12(b).
12688	Request for an emergency exemption for the use of certain drums that do not meet the minimum thickness requirements for use in the transportation of nitric acid.
12690	To authorize the transportation in commerce of DOT specification 3AA cylinders having a water capacity of approximately 950 pounds, which when filled, would exceed the 150 pound limit for use in transporting chlorine.
12705	To allow drums with thickness <1.5 mm for transportation of nitric acid.
12706	To authorize the transportation in commerce of foreign non-DOT specification composite LPG cylinders.
12708	To authorize the transportation in commerce of certain Division 1.1, 1.2, 1.3 and 1.4 explosives which are forbidden or exceed quantities authorized for transportation by cargo aircraft.
12716	To authorize the transportation in commerce of chlorine in un-insulated DOT Specification 3AAX cylinders permanently mounted on a motor vehicle.
12718	To authorize the transportation in commerce of certain DOT-3AL seamless aluminum cylinders constructed of alloy 6061 that have been alternatively ultrasonically retested for use in transporting Division 2.1, 2.2 , 2.3 materials.
12724	To authorize the transportation in commerce of MC 312 cargo tanks equipped with pressure relief systems that do not conform to the requirements of the HMR.
12726	To authorize the transportation in commerce of fire extinguishers to be shipped with an alternative proper shipping name as specified in several exemptions.





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12744	To authorize the transportation in commerce of electric storage batteries containing electrolyte or corrosive battery fluid when transported in a motor vehicle containing no hazardous materials other than materials of trade (MOTs) as essentially unregulated.
12748	To authorize the transportation in commerce of alternative, non-POP tested containers for use in transporting small explosive articles for military and commercial spacecraft and missiles.
12750	To authorize the manufacture, marking, sale and use of UN 13H4 Flexible Intermediate Bulk Containers (IBC) for use as outer packaging for lab pack application for use in transporting hazardous wastes.
12753	To authorize the transportation in commerce of certain toxic gases in 3AX and 3AAX cylinders not presently authorized for use in transporting dichlorosilane, Division 2.3,
12768	To authorize the transportation in commerce of tank cars, containing carbon dioxide, refrigerated liquid, Division 2.2 with a maximum gross weight on rails of 286,000 pounds.
12779	To authorize the transportation in commerce of UN portable tanks not subject to the rail impact test.
12782	To authorize the transportation in commerce of non-DOT specification cylinders equipped with plastic protection caps for use in transporting Division 2.1 and 2.2 compressed gases.
12783	To authorize the transportation in commerce of small units of compressed gas, refrigerant 404A as limited quantities and/or ORM-D intended for medical use.
12817	For transportation of waste materials, not required by EPA manifest, under 173.12(c) by generators.
12818	To authorize the transportation in commerce of certain non-DOT specification cylinders used as components (fire extinguishers) in aircraft of foreign manufacture.
12825	To authorize the transportation of foreign life rafts equipped with non-DOT specification cylinders.
12826	To authorize the manufacture, marking, sale and use of certain UN 11G intermediate bulk containers (cubic yard boxes) for use as the outer packaging for paint and paint related material.
12838	To authorize the transportation in commerce of certain DOT Specification 3AA, 3AAX and 3T cylinders which have been alternatively ultrasonically re-tested.
12841	To authorize the manufacture, marking, sale and use of an IMO Type 7/US DOT MC 338 tank permanently fitted within an ISO frame for use in transporting various hazardous



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	materials.
12842	To authorize the transportation in commerce of aerosols, in specially designed containers for use in transporting Division 2.1 and 2.2 gases to collection site for recycling.
12844	To authorize the manufacture, marking, sale and use of non-DOT specification pressure vessels for use as components of automobile vehicle safety systems.
12855	Request for an emergency exemption to transport a flammable solid, organic (polymer) in 2 steel heat exchangers from Belpre, OH to Houston, TX for cleaning and decontamination.
12858	To authorize the transportation in commerce of a DOT specification 105J400W tank car having a gross weight on rail of 286,000 pounds, for use in transportation Division 2.1, 2.3, Poison-Inhalation Hazard/Zone D.
12865	To authorize the transportation in commerce of non-DOT specification cylinders for export containing various compressed gases without pressure relief devices.
12866	Request for an emergency exemption to continue to use cylinders that have inadvertently been mis-marked, for carriage aboard aircraft.
12868	To authorize the transportation in commerce of non-DOT specification cylinders for export containing various compressed gases without pressure relief devices.
12869	To authorize the transportation in commerce of non-DOT specification cylinders for export containing various compressed gases without pressure relief devices.
12879	To authorize the transportation in commerce of portable tanks and IBCs containing combustible liquids without required placards when placed in closed sealed freight containers that are properly placarded.
12886	Request to transport organic peroxides that also meet the definition of Class 3, Division 4.1, or Class 8, packing group III without subsidiary hazard labels.
12899	To authorize the manufacture, mark, sale and use of non-DOT specification cylinders comparable to DOT Specification 3A cylinders for use in transporting Division 2.1, 2.2 and Class 3 material.
12903	To authorize the transportation in commerce of Class 3 material in DOT Specification 111A100W1 tank cars having a maximum gross weight of 286,000 pounds.
12905	To authorize the transportation in commerce of various hazardous materials on rail cars without the required head stamping and without the exemption number on the rail car or the shipping paper.



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12920	To authorize the transportation in commerce of pyrophoric materials in combination packagings with inner containers that exceed currently authorized quantities.
12929	To authorize the transportation in commerce of certain DOT specification and non-DOT specification cylinders manufactured to a foreign specification which are charged for export only.
12930	To authorize the transportation of certain lined DOT Specification cargo tanks which are not subject to the internal visual inspections for use in transporting certain Class 8 hazardous materials.
12955	To authorize the transportation in commerce of life-saving appliances containing a compressed gas cylinder that is filled in excess of its marked service pressure.
12972	To authorize the transportation in commerce of non-DOT specification cylinders for export containing various compressed gases without pressure relief devices.
12981	Emergency request for exemption from emergency discharge control
12994	To authorize the transportation in commerce of certain DOT specification cylinders and cylinders manufactured to a foreign specification without pressure relief devices.
12995	To authorize the transportation in commerce of inner metal receptacles which have been subjected to an alternative testing procedure for use in transporting limited quantities of compressed gases.
12997	To authorize the transportation in commerce of hazardous materials in a vented bulk packaging (an intermediate bulk container) when venting is not authorized.
12998	To authorize the transportation in commerce of non-waste material from one location to another location for various customers in lab packs.
13002	request for an emergency exemption to transport a division 2.2 material in diaphragm and bladder type accumulator.
13027	To authorize the manufacture, mark, sale and use of a packaging consisting of manifolded non-DOT specification tanks for use in transporting certain Class 3 and Class 8 hazardous materials.
13032	request for an emergency exemption to use a DOT cylinder as part of a component for a vehicle that is part of the National Missile Defense Program.
13034	To authorize the transportation in commerce of explosive components, Division 1.4S in specially designed packaging.



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13036	request for an emergency exemption to authorize the use of a non-DOT specification container for hydrogen.
13046	To authorize the manufacture, marking, sale and use of certain DOT Specification 51 steel portable tanks permanently fixed within ISO frames designed in accordance with Section VIII, Division II of the ASME Code instead of Section VIII, Division 1 for use in transporting Division 2.1, 2.2 and 2.3 hazardous materials.
13052	To authorize the manufacture, marking, sale and use of UN 11G fiberboard intermediate bulk containers for use as the outer packaging for certain waste paints and waste paint related material, Class 3 in 5 gallon pails.
13057	To authorize the transportation in commerce of metal tubing containing hazardous materials to be transported with minimal regulation.
13083	To authorize the transportation in commerce of self-heating, solid, organic, n.o.s. in flexible intermediate bulk containers not to exceed 2,500 lbs.
13102	Emergency request to transport non-DOT specification packagings, described as actuators, charged with limited quantities of various hazardous materials.
13105	To authorize the manufacture, mark, sale and use of non-DOT specification cylinders for use in transporting Division 2.1 materials.
13107	To authorize the transportation in commerce of specially designed devices consisting of a DOT Specification 3AL1800 cylinder containing flammable compressed gas utilizing a small hydrogen/helium flame without required shipping papers.
13110	To authorize the transportation in commerce of a non-DOT specification bulk packaging for use in transporting metal catalyst, dry, Division 4.2.
13112	To authorize the manufacture, mark, sale and use of non-DOT specification non-reusable cylinders conforming with all regulations similar to DOT specification 39 cylinder for use in transporting Division 2.2 material.
13113	To authorize the transportation in commerce of a division 6.1 material in DOT specification cargo tanks that are not authorized for that particular material in the HMR.
13124	Application for an emergency exemption to continue to use an IBC for ammonia solutions after an October 2002 deadline for a final rule.
13127	Emergency request to transport ammonium perchlorate and sodium perchlorate in UN specification intermediate bulk containers by highway.



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13133	Emergency request to transport up to 25 grams of unapproved explosives classed as Division 1.4E when shipping in a special shipping container.
13135	To modify the exemption to authorize the transportation in commerce of a non-DOT specification pressure vessel as part of a satellite assembly containing Division 2.2 with a pressure of up to 2,000 psig.
13137	To authorize the transportation in commerce of Division 1.1, 1.2, 1.3 and 1.4 explosives, which are forbidden or exceed quantities presently authorized by cargo-only aircraft.
13165	To authorize the transportation in commerce of non-bulk hazardous materials within the same facility along public roads with alternative shipping papers.
13167	To authorize the transportation in commerce of anhydrous ammonia in a DOT-E 11725 cylinder which is removed from its original outer packaging and installed in a device as part of an environmental conditioning system?
13169	To authorize the transportation in commerce of flammable liquids which exceed that quantity limitations when transported by cargo aircraft.
13173	To authorize the manufacture, marking, sale and use of DOT-CFFC specification fully wrapped carbon fiber reinforced aluminum lined cylinders mounted in protective framework for use in transporting Division 2.1 and 2.2 hazardous materials.
13179	To authorize the transportation in commerce of lighters that have been removed from their approved inner packagings, are partially used, and are being transported for disposal without further approval.
13181	To authorize the transportation in commerce of a specially designed device consisting of a non-DOT specification cylinder for use in transporting sulfur hexafluoride, Division 2.2.
13182	To authorize the transportation in commerce of foreign designed cylinders with relief from filling limits for use in transporting phosphine, Division 2.3
13187	Emergency request to authorize the transportation in commerce of compressed gas in a non-specification plastic pressure vessel.
13190	To authorize cargo tanks to be unloaded without meeting the attendance requirements.
13192	To authorize the transportation in commerce of certain lab pack quantities of hazardous materials with shrink-wrap as an over pack without required markings and labels.
13199	To authorize the transportation in commerce of reconditioned refrigeration units containing Division 2.2 hazardous materials.



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13207	Emergency request to authorize the transportation in commerce of certain hazardous materials in portable tanks that are loaded between 70 and 76 percent filling density by volume.
13208	To authorize the transportation in commerce of aerosol containers that have not been subjected to the hot water bath test for use in transporting non-flammable compressed gas.
13211	To authorize the transportation in commerce of a non-bulk UN standard alternative packaging for use in transporting nitroglycerin solution in alcohol.
13213	To authorize the transportation in commerce of limited quantities of Class 3, Class 9 and Division 2.1 hazardous materials being stored on and below deck on passenger ferry vessels transporting motor vehicles, such as recreational vehicles, with attached cylinders of liquefied petroleum gas.
13217	Emergency request to authorize the transportation in commerce of gasoline in equipment (gasoline dispensers) by highway.
13219	To authorize the transportation in commerce of DOT specification tank cars containing Division 5.1 and 5.2 hazardous materials without removing the frangible disc.
13220	To authorize the transportation in commerce of non-DOT specification cylinders containing certain compressed gases absorbed onto a micro porous substance and transported at sub-atmospheric pressure.
13229	To authorize the transportation in commerce of phosphine, Division 2.3, in DOT Specification seamless cylinders with a service pressure of 4000 psi and a filling density not to exceed 0.45.
13230	Emergency request to authorize the transportation in commerce of certain cylinders containing hazardous materials that do not fully comply with 49 CFR 178.35, 178.37 and 178.45.
13232	To authorize the transportation in commerce of DOT Specification cylinders which have received an alternative tensile test for use transporting compressed gases.
13246	To authorize the transportation in commerce of cigarette lighters, for which approval has been obtained by the lighter manufactures under 49 CFR 173.21(i), in reusable plastic totes.
13249	To authorize the transportation in commerce of certain Division 4.3 hazardous materials in DOT-4BW240 cylinders.
13250	To authorize the manufacturing, marking, sale and use of brass-lined filament wound



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	cylinders for use in transporting medical oxygen.
13258	Emergency request to authorize the transportation in commerce of certain cylinders containing hazardous materials that do not fully comply with 49 CFR 178.35, 178.37 and 178.45.
13259	To authorize the manufacture, marking, sale and use of non-DOT specification cylinders conforming with all regulations applicable to a DOT Specification 3E cylinder for use in transporting non-liquefied gases classed in Division 2.1, 2.2 and 2.3.
13262	To authorize the transportation in commerce of certain cesium devices consisting of an inner cylinder enclosed within an outer stainless steel, welded, hermetically sealed cylinder containing Division 4.3 hazardous materials.
13264	To authorize the transportation in commerce of non-DOT specification portable tank mounted in an ISO frame that complies with the IMO Type 5 specification and built to ASME Code for use in transporting chloropicrin, Division 6.1.
13269	To authorize the one-way transportation in commerce of anhydrous ammonia in DOT specification cylinders equipped with emergency kits to prevent leakage during transportation.
13270	Application for an emergency exemption to authorize the transportation in commerce of Division 2.1 and 2.2 materials in non-DOT specification pressure vessels (airbags).
13275	To authorize the transportation of certain DOT Specification 2Q containers containing liquefied petroleum gas with a charging pressure of 230 psig at 130 degrees F.
13282	To authorize the transportation in commerce of corrosive, n.o.s., Class 8 hazardous materials in DOT specification containers that exceed the quantity limitations for air cargo transportation.
13285	To authorize the manufacture, marking, sale, and use of a UN standard 4G fiberboard box for use as the outer packaging for lab pack applications in accordance with § 173.12(b).
13292	To authorize the manufacture, mark, sale and use of plastic containers of not more than 20 fluid ounces pressurized with a non-flammable, non-toxic gas to a maximum pressure of 150 psi for transportation of consumer commodities.
13306	To authorize the transportation in commerce of a combination packaging having inner receptacles with closures on the side, i.e., not oriented in the upward direction for used in transporting Organic peroxide, Division 5.2.
13307	To authorize the transportation in commerce of an aluminum phosphide-based pesticide which meets the definition of a Division 4.3 material to be shipped as aluminum phosphide



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	pesticide, a Division 6.1 material.
13312	To authorize the transportation in commerce of DOT-3, 3A, and 3AA cylinders in chlorine service with a pressure relief device set to discharge at 75% of the test pressure.
13313	To authorize the transportation in commerce of certain hazardous materials in roll-on, roll-off transport vehicles aboard passenger ferry vessels.
13317	Emergency request to authorize the transportation in commerce of diborane and mixtures thereof in DOT Specification 3AL cylinders.
13318	Request for an emergency exemption from the requirement that after Dec. 31, 2003 a pressure relief device, when installed must be in communication with the vapor space of a cylinder containing a Div. 2.1 material".
13321	To authorize the transportation in commerce of infectious substances, Division 6.2, in reused specification UN 5L3 textile bags.
13322	To authorize the transportation in commerce for disposal purposes of certain waste hazardous materials, in non-bulk packaging, by private vehicle for short distances in a specially designed bomb-disposal trailer as the outer packaging.
13323	Application for an emergency exemption to transport certain gases in non-dot specification cylinders.
13325	To authorize the transportation in commerce of hydrogen chloride, anhydrous in DOT specification seamless steel cylinders equipped with CG-4 pressure relief devices set at 3,360 psig.
13327	To authorize the manufacture, mark, sale and use of man-ways constructed from glass fiber reinforced plastics for use on cargo tank motor vehicles in transporting certain hazardous materials.
13330	To authorize the transportation in commerce of certain flammable gases in a non-DOT specification cylinder used for oil well sampling.
13336	To authorize the manufacture, mark, sale and use of a non-DOT specifications cylinder for use in transporting certain classes of hazardous materials.
13337	To authorize the transportation in commerce of certain cylinders, non-bulk packaging and small portable tanks containing various Division 4.2 and 4.3 materials without meeting segregation requirements.
13341	To authorize the one-way transportation in commerce of certain non-DOT specification





Permit Number	Special Permit Summary
	storage tanks containing propane.
13343	To authorize the transportation in commerce of trinitroresorcinol, wetted, Class 1.1D, packaged in accordance with the required packaging instruction in motor vehicles equipped with heating and refrigerating (heat-pump) apparatus.
13350	To authorize the transportation in commerce of four Space Shuttle Orbiter Auxiliary Power Units containing the residue of Hydrazine, anhydrous.
13355	To authorize the transportation in commerce of poison pack without hazard labels.
13359	To authorize the transportation in commerce of boron trifluoride, a non-liquefied, Division 2.3 (Hazard Zone B) gas in a non-DOT specification spherical pressure vessel.
13381	To authorize the manufacture, mark, sale and use of a non-DOT specification fully wrapped carbon-fiber cylinders for use as an equipment component aboard military vehicles.
13385	To authorize the transportation of UN portable tanks without performing the rail impact test.
13402	To authorize the transportation in commerce of DOT Specification 110A1000W multi-unit tank car tanks containing sulfur hexafluoride to a filling density different from that required by the HMR.
13422	To authorize the transportation in commerce of portable oxygen generators.
13426	To authorize the transportation in commerce of non-DOT specification containers for use in transporting Argon, Division 2.2.
13481	To authorize the transportation in commerce of not more than 25 grams of liquid explosive substances that have an energy density not greater than pure nitroglycerin, when packed in a special shipping container.
13483	To authorize the transportation of a non-DOT specification cylinder conforming in part with the DOT-3AA specification, for use in transporting non-liquefied compressed gases.
13484	To authorize cargo tanks to remain connected while standing without the physical presence of an unloader.
13485	To authorize the manufacture, mark, sale and use of a non-DOT specification cylinder conforming with all regulations applicable to a DOT-3AA specification cylinder for use in transporting Division 2.1, 2.2 and 2.3 hazardous materials.
13487	To authorize the one-way transportation in commerce of certain infectious materials in



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	alternative packaging.
13488	To authorize the manufacture, marking, sell and use of non-DOT specification cylinders for use in transporting certain nonflammable gases.
13544	To authorize the transportation in commerce of cylinders containing a residue of propane to be transported as essentially unregulated.
13546	To authorize the transportation in commerce of certain hazardous materials across a public road from the facility to be transported as essentially unregulated.
13548	To authorize the transportation in commerce of batteries with two different UN numbers on the same transport vehicle.
13552	To authorize the transportation in commerce of Waste, Phosphorus, white, under water in alternative packagings.
13554	To authorize the transportation in commerce of anhydrous ammonia in cargo tanks (nurse tanks) without certain specification plate markings operated by private carrier exclusively for agricultural purposes.
13556	application for exemption to transport regulated medical waste in containers that are not leak-proof per 173.197(d).
13577	To authorize the transportation in commerce of refrigerant 134a to be shipped as a limited quantity compressed gas.
13581	To authorize the transportation in commerce of certain aerosols in packagings manufactured under DOT-E 12573 as consumer commodity ORM-D.
13582	To authorize the transportation in commerce of certain cylinders manufactured to a foreign specification for use in transporting certain Zone A toxics.
13583	To authorize the manufacture, marking, sale and use of non-DOT specification DOT-CFFC standard cylinders for use in transporting certain compressed gases.
13598	To authorize the manufacture, mark, sale and use of a specially designed device for use in transporting certain Division 2.1 hazardous materials.
13599	To authorize the transportation in commerce of certain DOT-specification cylinders with alternative filling densities/ratios.
13601	To authorize the transportation in commerce of certain aerosol cans with alternative filling criteria.



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13616	To authorize the transportation in commerce of helium in DOT-specification cylinders that is manifolded together and exceeds the quantity limitation for cargo aircraft only.
13736	To authorize the transportation in commerce of 350- gallon bulk containers for use in transporting certain Class 3 hazardous materials.
13796	Application for an emergency exemption to authorize the transportation in commerce of waste, phosphorus, white under water in alternative packaging.
13958	To authorize the transportation in commerce of gondola cars equipped with a specially designed liner to be classified as an IP-2 package for use in transporting certain Class 7 hazardous materials.
13961	To authorize an alternative requalification method for DOT-3AL cylinders.
13963	To authorize the manufacture, marking, sale and use of specially designed packaging for transporting used nuclear reactor pressure vessel heads.
13977	To authorize the transportation in commerce of certain cylinders that are charged in excess of their marked pressure.
13996	To authorize the transportation in commerce of airbag inflators/modules/pyrotechnic seat belt pre-tensioners in reusable high strength plastic or metal containers or dedicated handling devices.
13997	To authorize the transportation in commerce of Propane in DOT specification 51 portable tanks exceeding the weight limitations authorized for shipment by cargo aircraft in Alaska.
13999	To authorize the manufacture, marking, sale and use of a non-DOT specification fully-wrapped fiberglass composite cylinder with a seamless, specially designed liner for use in transporting certain hydrocarbon gases.
14003	To authorize the manufacture, mark, sale and use of non- DOT specification fully wrapped carbon fiber reinforced aluminum lined cylinders for the transportation in commerce of certain Division 2.2 materials.
14038	To authorize the transportation in commerce of Class 8 hazardous materials in DOT specification 111A100W6 tank car tanks that exceed the maximum allowable gross weight on rail (263,000 lbs.).
14039	To authorize the manufacture, marking, sale and use of certain DOT Specification 51 steel portable tanks or UN steel portable tanks conforming with Section VIII, Division 2 of the ASME Code instead of Section VIII, Division 1, for the transportation in commerce of Division 2.1 and 2.2 materials.



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14097	To authorize the transportation in commerce of Division 2.2 aerosols of less than 20 ounce capacity in plastic packagings.
14141	To authorize the use of video cameras and monitors to observe the loading operations of certain hazardous materials from a remote control station in place of personnel remaining within 7.62 meters (25 feet) of the cargo tank motor vehicles.
14145	To authorize the transportation in commerce of certain class 1 materials by vessel in an alternative stowage configuration.
14149	To authorize the transportation in commerce of certain DOT-3AL seamless aluminum cylinders that has been alternatively ultrasonically retested for use in transporting Division 2.1, 2.2, 2.3 materials.
14150	To authorize an alternative attendance method for cargo tanks during loading and unloading of Class 3 and 8 hazardous materials.
14152	To authorize the transportation of certain quantities of metal catalyst, classed as Division 4.2, in non-DOT specification packaging that exceed the maximum net quantity allowed per package.
14154	To authorize the manufacture, marking and sale of non-DOT specification fully wrapped carbon fiber reinforced aluminum lined cylinders for shipment of certain Division 2.2 gases.
14157	To authorize the manufacture, marking, sell and use of non-DOT specification cylinders similar to DOT 3AA for use in transporting certain nonflammable gases.
14163	To authorize the transportation in commerce of certain Division 2.2 materials in DOT specification cylinders that are manifolded and are not equipped with an individual shut off valve.
14166	To authorize the transportation in commerce of certain Division 1.1, 1.2, 1.3 and 1.4 explosives which are forbidden or exceed quantities authorized for transportation by cargo aircraft only.
14167	To authorize the manufacture, mark and sell DOT 105J600W specification tank cars having a maximum gross weight on rail of 286,000 in chlorine service.
14168	To authorize the transportation in commerce of salvage cylinders by cargo vessel.
14170	To authorize the transportation in commerce of certain compressed gases in non-DOT specification fiberglass reinforced plastic cylinders.
14171	To authorize the transportation in commerce of nitrogen in non-DOT specification cylinders



Permit Number	Special Permit Summary
	without pressure relief devices in support a space shuttle.
14173	To authorize the transportation in commerce of ethylene oxide in DOT specification 105J400W tank cars that exceed the maximum allowable gross weight on rail (263,000 lbs.).
14175	To authorize the transportation in commerce of certain DOT Specification 3A and 3AA cylinders where the re-test period is extended to 10 years, the cylinders need not be removed from the bundle at each filling and that the hammer test need not be performed.
14183	To authorize the manufacture, marking, sale and use of non-DOT specification sealed electron tube radiation sensors to transport Division 2.1 and 2.2 materials.
14186	To authorize the transportation in commerce of Class 3 and 8 and Division 2.1 and 6.1 hazardous materials in DOT specification 105J300W tank car tanks that exceed the maximum allowable gross weight on rail (263,000 lbs.).
14187	To authorize the transportation in commerce of nickel-hydrogen batteries in non-DOT specification packaging.
14188	To authorize the manufacture, marking, sale and use of non-DOT specification inner non-refillable metal receptacles similar to DOT specification 2Q containers for certain Division 2.2 materials.
14189	To authorize the transportation in commerce of the residue of certain Class 3 materials in non-DOT specification portable tanks without marking and placarding.
14190	To authorize the transportation in commerce of certain Class 3 and 9 materials across a public road without shipping papers, marking or labeling.
14193	To authorize the emergency transportation in commerce of Liquefied gas, toxic, flammable, inhalation hazard zone B, UN3160 in IMO type 5 portable tanks.
14196	To authorize rail cars containing a combustible liquid to remain attached to unloading connectors without the physical presence of an unloader.
14201	To authorize the transportation in commerce by cargo only aircraft of Class 1 explosives which are forbidden or exceed quantities presently authorized.
14204	To authorize the transportation in commerce of bromine in single Monel packagings.
14205	To authorize the transportation in commerce of Division 2.2 aerosols in plastic packagings.
14206	To authorize the transportation in commerce of certain cylinders that have been ultrasonically retested for use in transporting Division 2.1, 2.2 , 2.3 materials.



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14207	To authorize the transportation in commerce of Sodium hydroxide solution in DOT specification 111A100W-1 tank car tanks that exceed the maximum allowable gross weight on rail (263,000 lbs.).
14209	To authorize the manufacture, mark, sale and use of a non-DOT specification composite cylinder for the transportation of compressed air.
14210	To authorize the manufacture, marking, sale and use of certain portable tanks permanently fixed within ISO frames designed in accordance with Section VIII, Division 2 of the ASME Code for use in transporting Division 2.1 and 2.2 hazardous materials.
14213	To authorize the manufacture, marking and sale of 55-gallon UN 1H1 drums for shipment of up to 40% nitric acid.
14223	To authorize the transportation in commerce of Division 2.1 aerosols in plastic packagings.
14227	To authorize the manufacture, mark, sale, and use of 50 gallon to 105 gallon refueling tanks containing certain Class 3 liquids which will be discharged without removal from the motor vehicle?
14232	To authorize the manufacture, marking, sale and use of non-DOT specification fully-wrapped carbon fiber composite cylinders with a seamless aluminum liner for shipment of certain Division 2.1 and Division 2.2 gases.
14236	To authorize the manufacture, mark, sale and use of a DOT Specification 2Q non-refillable cylinder of up to 1 liter for use in transporting engine starting fluid.
14237	To authorize the manufacture, marking, sale and use of non-DOT specification packagings for Division 2.3 materials transported by highway and cargo vessel.
14238	To authorize the manufacture, mark, sale, and use of non- DOT specification fully wrapped carbon-fiber reinforced aluminum lined cylinders.
14239	To authorize the transportation in commerce of certain compressed gases in DOT Specification 3AA, 3AAX and 3T cylinders which have been alternatively ultrasonically retested.
14249	To authorize the transportation in commerce of cartridges, small arms in a 20-cubic yard bulk box.
14251	To authorize the transportation in commerce of over-packed cylinders containing Class 2 materials with a CGA C-7 neck ring labels.
14254	To authorize the transportation in commerce of aerosols with a capacity of 50 ml or less containing Division 2.2 material and no other hazardous materials to be transported



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	without certain hazard communication requirements.
14262	To authorize the transportation in commerce of certain rail cars containing carbon dioxide with a tank head thickness slightly below the minimum required.
14266	To authorize the manufacture, mark, sale and use of non-DOT specification fiber reinforced hoop wrapped cylinders with water capacities of up to 120 cubic feet for use in transporting certain Class 2 gases.
14267	To authorize the transportation in commerce of waste fissile uranium contaminated equipment in a DOT 7A, Type A packaging when transported by motor vehicle or rail.
14272	To authorize the transportation in commerce of a non-specification cargo tank (volumetric meter prover) containing the residue of a Division 2.1 material.
14274	To authorize the discharge of a Division 2.1 material from an authorized DOT specification cylinder without removing the cylinder from the vehicle on which it is transported.
14275	To authorize the manufacture, mark, sale and use of non-DOT specification cargo tanks constructed of glass fiber reinforced plastic for use in transporting various hazardous materials.
14277	To authorize the manufacture, marking, sale and use of non-DOT specification multi-wall carbon/epoxy composite cargo tank motor vehicle.
14281	To authorize the transportation in commerce of certain scrap airbag inflators, seat belt pretensioners and/or airbag modules classified as Division 1.3C explosive articles.
14282	This special permit authorizes the transportation in commerce of certain detonators and detonator assemblies on the same motor vehicle with any other Class 1 explosives when they are in separate and isolated cargo-carrying compartments powered by the same tractor.
14283	To authorize the transportation in commerce of low specific activity radioactive materials(uranium mill tailings) under special conditions in non-DOT specification packagings without labeling and placarding.
14286	To authorize the manufacture, mark, sale and use of a non-refillable, non-DOT specification inside metal container similar to a DOT 2Q container for the transportation of certain hazardous materials.
14287	To authorize the transportation in commerce of certain radioactive materials exceeding the quantity that may be transported in a Type A packaging.



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14289	To authorize the transportation in commerce of certain DOT Specification 3AA, 3AAX and 3T cylinders which have been alternatively ultrasonically re-tested.
14292	To authorize the transport of boron trifluoride in DOT Specification 3AAX and 3AA manifolded cylinders.
14296	To authorize the manufacture, marking, sale and use of certain non-DOT Specification steel portable tanks conforming with Section VIII, Division 2 of the ASME Code for the transportation in commerce of Division 2.1 and 2.2 materials.
14298	To authorize the transportation in commerce of certain hazardous materials in DOT Specification 3AX, 3AAX and 3T cylinders with a water capacity over 125 lbs that may be re-qualified every ten years rather than every five years.
14301	To authorize the manufacture, marking, sale and use of certain non-DOT specification steel portable tanks which are designed and constructed in accordance with Section VIII, Division 2 of the ASME Code for the transportation in commerce of Division 2.1 and 2.2 materials.
14313	To authorize the use of ultrasonic inspection as an alternative retest method for certain DOT specification cylinders and certain cylinders manufactured under a DOT special permit.
14314	To authorize the transportation in commerce of certain Class 9 seat belt pre-tensioner devices not subject to 49 CFR Parts 171-180 except for shipping papers and special permit package markings when transported by motor vehicle or rail freight.
14315	To authorize the manufacture, mark, sale and use of non-bulk, non-DOT Specification metal refueling tanks for transportation of certain Class 3 liquids.
14317	To authorize the manufacture, mark, sale and use of certain non-DOT Specification steel portable tanks conforming with Section VIII, Division 2 of the ASME Code for the transportation in commerce of Division 2.1 and 2.2 materials.
14318	To authorize transportation in commerce of non-DOT specification portable tanks conforming with the 2004 edition of Section VIII, Division 1 of the ASME Code for the transportation in commerce of certain toxic or corrosive hazardous materials.
14327	Emergency exemption request to authorize the transportation of Colibri lighters in special travel containers in checked luggage in commercial passenger aircraft.
14329	To authorize the transportation in commerce of certain radioactive materials exceeding the quantity that may be transported in a Type A packaging.
14333	To authorize the transportation in commerce of certain DOT Specification 110A500W containers that has straight threads in the clean-out/inspection port openings instead of





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	National Gas Taper Threads.
14334	To authorize the use of video cameras and monitors to observe the loading and unloading operations meeting the definition of "loading incidental to movement" or "unloading incidental to movement" as those terms are defined in § 171.8 of the Hazardous Materials Regulations from a remote control station in place of personnel remaining within 25 feet of a cargo tank motor vehicle.
14335	To authorize the transportation of Division 2.3 Zone A materials in the same transport vehicle as packages containing the residue only of Division 2.1, 2.2, 2.3, 4.3, 5.1 and Class 3 and 8 hazardous materials.
14338	To authorize the manufacture, mark, sale and use of a refillable non-DOT specification cylinder similar to a DOT specification 39 cylinder.
14339	To authorize the manufacture, mark, sale and use of non-DOT specification fully wrapped carbon composite aluminum lined cylinders for the transportation in commerce of certain Division 2.1 and 2.2 hazardous materials.
14340	To authorize the transportation in commerce of a flammable liquid in a 20 gallon non-DOT specification packaging by highway.
14341	To authorize the use of DOT 4BW240 cylinders for the transportation of acrolein by motor vehicle and cargo vessel.
14348	To authorize the use of Compressed Gas Association pamphlet CGA S-1.1-2003 in lieu of CGA S-1.1-2001 for pressure relief devices on DOT Specification cylinders containing certain Division 2.3 Zone B toxic gases.
14349	To authorize the transportation in commerce of non-DOT specification full open head, steel salvage cylinders with a water capacity of more than 119 gallons for use in transporting damaged, leaking or improperly filled cylinders containing various hazardous materials.
14356	To authorize the transportation in commerce of Division 4.2 organometallic liquids in non-DOT specification pressure vessels designed and constructed in accordance with the ASME Code (similar to DOT Specification 4BW) when transported by highway and rail.
14372	To authorize the transportation in commerce of certain non-DOT specification cylinders of foreign manufacture used as components (fire extinguishers) in aircraft.
14373	To authorize the transportation of lighters in specially designed packagings for transportation by passenger-carrying aircraft.
14374	To authorize the transportation in commerce of Division 4.3 hazardous material in non-DOT



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	specification cylinders.
14375	To authorize the transportation in commerce of certain Division 1.1A explosives in a solution of ethanol and water when transported in a specially designed packaging configuration by motor vehicle.
14376	To authorize the transportation in commerce of unapproved scrap lighters in various stages of final manufacturing containing Division 2.1 flammable gas by motor vehicle only for purposes of disposal.
14382	To authorize the transportation in commerce of certain DOT Specification 3BN nickel cylinders containing either tungsten hexafluoride or hydrogen fluoride that are used interchangeably without re-qualifying the cylinder.
14384	To authorize the transportation in commerce of Propylene in DOT 3AA or 3AL specification cylinders utilizing an un-backed pressure relief device.
14385	To authorize the one-way transportation in commerce of certain tank cars received in rail interchange from a foreign rail carrier at a Kansas City Southern facility in Laredo, TX to the nearest classification yard (less than 13 miles) for inspection and replacement of any missing placards.
14387	To authorize the manufacture, marking sale and use of non-DOT specification fully wrapped carbon fiber reinforced aluminum lined cylinders for shipment of certain Division 2.2 gases.
14388	To authorize the transportation in commerce of certain desensitized explosives in a non-DOT specification 40 cubic yard metal roll-off box by motor vehicle.
14392	To authorize the transportation in commerce of explosives by vessel in an alternative stowage configuration.
14395	To authorize the transportation in commerce of a liquid soil fumigant classed as Division 6.1, PG II, in a non-DOT specification bulk packaging mounted on a farm tractor or wagon, not subject to certain requirements of Parts 172 and 177 of the Hazardous Materials Regulations.
14396	To authorize the transportation in commerce of Arsine, Division 2.3, in certain DOT specification and non-DOT specification cylinders not normally authorized for cargo vessel transportation, for export only.
14398	To authorize the transportation in commerce of Titanium tetrachloride in DOT105J600W tank cars with a maximum gross weight on rail that exceed the maximum limit of 263,000 pounds.



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14399	To authorize the manufacture, marking, sale and use of non-DOT specification cylinders similar to DOT 39 for the transportation of non-flammable, non-liquefied gases.
14402	To authorize the manufacture, marking, sale and use of a non-DOT specification fully wrapped fiber reinforced composite gas cylinders with a non-load sharing plastic liner that meets the ISO 11119 - 3 standards except for the design water capacity and service pressure.
14405	To authorize the transportation in commerce of certain Class 3 hazardous materials in a truck-mounted meter prover without draining to 10% capacity.
14410	To authorize the transportation in commerce of DOT Specification 4BW cylinders that are in dedicated use for trimethylchlorosilane, dimethyldichlorosilane and trimethylsilane service and have been visually inspected instead of hydrostatically tested for periodic requalification.
14414	To authorize the transportation in commerce of a rocket motor and components which have not been examined and approved as required in specially designed packagings and shipping configurations.
14415	Emergency exemption request to authorize the transportation of gas and liquid fueled Prometheus lighters in special travel containers in checked luggage in commercial passenger aircraft.
14418	To authorize the transportation in commerce of a water reactive material in special packaging as Unitized Group Ration - Express (UGR-E) without being subject to Subchapter C of the Hazardous Materials Regulations.
14419	To authorize the transportation in commerce of pyrophoric liquid n.o.s. in cylinders that are not authorized for that material.
14422	To authorize the transportation in commerce of 4 ounces or less of ethyl chloride as a consumer commodity.
14424	To authorize filling and discharging of a DOT Specification 4L cylinder with carbon dioxide refrigerated liquid without removal from the vehicle.
14427	To authorize the transportation in commerce of Division 2.2 aerosols in non-DOT specification plastic containers not subject to the hot water bath test.
14429	To authorize the manufacture, marking, sale and use of a bag-on-valve spray packaging similar to an aerosol container without requiring the hot water bath test.
14436	To authorize the transportation in commerce of hazardous materials that are toxic by inhalation by rail without meeting the requirements of 49 CFR 174.14 for expedited



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	shipments.
14437	To authorize the manufacture, marking, sale and use of non-DOT specification multi-unit tank car tanks similar to DOT 106A for transportation of hazardous materials.
14440	To authorize the transportation in commerce of Division 2.1 hazardous materials in certain non-refillable aerosol containers which are not subject to the hot water bath test.
14441	To authorize the transportation in commerce of certain fireworks in non-DOT specification packagings when returned to the distributor.
14442	To authorize the manufacture, marking, sale and use of non-DOT specification tank cars similar to a DOT 105J500W for use in liquefied gas services consisting of a welded protective housing and with a maximum gross weight on rail of 286,000 pounds.
14445	To authorize the manufacture, marking, sale and use of a non-DOT specification inside metal container conforming in part with DOT-Specification 2Q for use in transporting R-134a (1, 1, 2 tetrafluoroethane).
14447	To authorize cargo tanks to remain connected while standing without the physical presence of an unloader when using a specially designed hose.
14452	To authorize the transportation in commerce of certain Division 4.2 hazardous materials in non-DOT specification bulk containers.
14453	To authorize the ultrasonic testing of DOT-3A, DOT-3AA 3AX, 3AAX and 3T specification cylinders for use in transporting Division 2.1, 2.2 or 2.3 material.
14455	To authorize the transportation in commerce of Class 7 surface contaminated objects in non-DOT specification packaging.
14457	To authorize the manufacture, marking, sale and use of a non-DOT specification fully-wrapped fiberglass composite cylinder for use in transporting certain Division 2.1 flammable gases.
14458	To authorize the transportation in commerce of limited quantities of Class 3, Class 9 and Division 2.1 hazardous materials being stored on and below deck on passenger ferry vessels transporting motor vehicles, such as recreational vehicles, with attached cylinders of liquefied petroleum gas.
14460	To authorize the transportation in commerce of permeation devices with a maximum volume of 6cc containing anhydrous ammonia.
14466	To authorize the transportation in commerce of certain Class 1 explosive materials which are forbidden for transportation by air, to be transported by cargo aircraft within the State



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	of Alaska when other means of transportation are impracticable or not available.
14467	To authorize the manufacture, marking, sale and use of DOT 400 series cargo tanks using alternative materials of construction, specifically duplex stainless steels.
14469	To authorize the transportation in commerce of anhydrous ammonia by cargo aircraft exceeding the quantities authorized in Column (9B).
14475	To authorize the transportation in commerce of certain packagings containing Consumer commodity, ORM-D with closures that are not oriented in the upward direction.
14476	To authorize the transportation in commerce of certain hazardous materials in non-DOT specification heat exchanger pressure vessels and heat exchanger tube bundles.
14479	To authorize the use of containers marked with an alternative shipping name for UN3291.
14480	To authorize the transportation in commerce of certain DOT specification cylinders and cylinders manufactured to a foreign specification without pressure relief devices.
14483	To authorize the manufacture, marking, sale, and use of UN T50 tanks designed and constructed in accordance with Section VIII, Division 2 of the ASME code.
14485	To authorize the manufacture, marking, sale and use of non-DOT specification cylinders for the transportation in commerce of certain Division 2.1 and 2.2 gases.
14488	To authorize the transportation in commerce of an influenza vaccine in a custom stainless steel batch reactor and allow for renewal.
14492	To authorize the manufacture, mark, sale and use of non-DOT specification portable tanks conforming with the 2004 edition (+2005 Addenda) of Section VIII, Division 1 of the ASME Code for the transportation in commerce of certain Division 2.1 and 2.2 hazardous materials.
14493	To authorize the transportation in commerce of non-DOT specification containers (heat pipes) containing anhydrous ammonia for use in specialty cooling applications.
14494	To authorize the transportation in commerce of cylinders that are marked with obsolete proper shipping descriptions to allow for their return.
14496	To authorize the manufacture, marking, sale and use of non-DOT specification cylinders similar to a DOT 3A for the transportation of Division 2.1 and 2.3 gases.
14500	To authorize the loading and unloading of DOT 4L cylinders without unloading them from a vehicle.



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14503	To authorize the transportation in commerce of an aerosol foodstuff in a non-refillable metal container similar to a DOT Specification 2P.
14505	To authorize the transportation in commerce of tank cars, containing certain refrigerant gases in Division 2.2, with a maximum gross weight on rails of 286,000 pounds.
14506	To authorize the transportation in commerce of a Class 3 material in a non-DOT Specification packaging.
14507	To authorizes the retesting of DOT Specification 3A, 3AA, and 3AL cylinders by means other than the hydrostatic retest required in 49 CFR 180.209.
14508	To authorizes the retesting of DOT Specification 3A, 3AA, and 3AL cylinders by means other than the hydrostatic retest required in 49 CFR 180.209 and to allow filling pressure 10% greater than marked service pressure.
14509	To authorize the manufacturing, marking, sale and use of brass-lined filament wound cylinders for use in transporting certain Division 2.1 and 2.2 gases.
14510	To authorize the transportation in commerce by motor vehicle of certain hazardous materials in UN4G fiberboard boxes lined with polyethylene.
14513	To authorize the transportation in commerce of chemically-compatible hazardous materials with different hazard classes in lab packs.
14518	To authorize the transportation in commerce of Primers, cap type, UN0044 in non-DOT specification packaging when transported by private carrier for a distance of 10 miles or less.
14520	To authorize the transportation in commerce of Class 8 hazardous materials in DOT specification 111A100W6 tank car tanks that exceed the maximum allowable gross weight on rail (263,000 lbs.).
14523	To authorize the transportation in commerce of certain infectious substances in specially designed packaging (freezers).
14524	To authorize the transportation in commerce of a DOT Specification 3AL cylinder containing 90% oxygen and 10% nitrogen as consumer commodity when the capacity does not exceed 5.2 ounces transported by motor vehicle.
14525	To authorize the transportation in commerce of certain used diatomaceous earth filter material not subject to the Hazardous Materials Regulations, except for shipping papers and certain marking requirements when transported by motor vehicle.



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14526	To authorize the one-way transportation of a Division 2.2 compressed gas in a non-DOT specification cylinder similar to a DOT-39 for transportation by motor vehicle.
14527	To authorize the air transportation of certain hazardous materials without identifying the packaging type on the Notification to Pilot in Command.
14530	To authorize the transportation in commerce of a PG III flammable liquid in alternative packaging (a Neutron Scatter Camera) by motor vehicle and cargo vessel.
14531	To authorize the transportation in commerce of a breath tester in company owned aircraft as unregulated.
14543	To authorize the transportation in commerce of DOT 39 Specification cylinders, containing a Division 2.2 gas, with a filling density which exceeds those presently authorized.
14544	To authorize the transportation in commerce of Division 2.1 hazardous materials in certain non-refillable aerosol containers which are not subject to the hot water bath test.
14546	To authorize a longer requalification period for DOT 3AL 6061 specification cylinders.
14547	To authorize the one-way transportation in commerce of scrap/waste cartridges, small arms in a non-DOT specification bulk packaging.
14548	To authorize the transportation in commerce of wheelchairs or other battery-powered mobility aids equipped with a non-spillable battery when carried as checked baggage, provided the battery meets certain provisions in 49 CFR, the battery terminals are protected from short circuits, and the battery is securely attached to the wheelchair or mobility aid.
14551	To authorize the transportation in commerce of certain explosives as Dangerous Good in Apparatus, UN3363 instead of the EX classification of Cartridge, power device, UN0323.
14554	To authorize the transportation in commerce of certain forbidden explosives by helicopter to various mountain sites in Antarctica as directed by the National Science Foundation of the US Government.
14556	To authorize the transportation in commerce of certain PG III hazardous materials in non-DOT specification bulk flexible packaging meeting Industrial Packaging Type 1 (IP-1).
14560	To authorize the transportation in commerce of Division 4.2 hazardous materials in tank cars fitted with an alternative means of fittings protection.
14562	Authorizes the manufacture, marking, sale and use of a non-DOT specification, liner-less, fully-wrapped fiberglass composite cylinder for the transportation in commerce of the



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	materials authorized by this special permit.
14569	To authorize the transportation of certain explosives by cargo vessel in alternative stowage configurations.
14570	To authorize the transportation in commerce of Titanium tetrachloride in DOT specification 105J600W tank car tanks that exceed the maximum allowable gross weight on rail (263,000 lbs.).
14572	To authorize the manufacture, marking, sale, and use of UN T50 tanks designed and constructed in accordance with Section VIII, Division 2 of the ASME code.
14573	To authorize the manufacture, marking, sale and use of cargo tank motor vehicles conforming in all respects to DOT 406, 407 or 412 specification cargo tanks except that the use of UNS S32003 and UNS S32101 stainless steel is authorized.
14574	To authorize the transportation of certain lined DOT Specification MC 312 and DOT 412 cargo tanks which are not subject to the internal visual inspections for use in transporting certain Class 8 hazardous materials.
14576	To authorize the manufacture, marking, sale and use of aluminum-lined carbon-fiber composite cylinders for use in transporting certain Division 2.1 and 2.2 hazardous materials.
14578	To authorize the manufacture, marking, sale and use of non-DOT specification portable tanks mounted within an ISO frame that have been designed, constructed and stamped in accordance with Section VIII, Division 2 of the ASME Code.
14584	To authorize the transportation in commerce of certain cylinders which have been alternatively ultrasonically retested for use in transporting Division 2.1, 2.2 and 2.3 materials.
14591	To authorize the manufacture, marking, sale and use of a non-DOT specification cylinder similar to a DOT 4L for the transportation of in commerce of Oxygen refrigerated liquid.
14592	To authorize the transportation in commerce of Life-Saving appliances, self-inflating by air when identifying only the gross weight per package on shipping papers.
14597	To authorize the transportation in commerce of anhydrous ammonia in a DOT 110 multi unit tank car tank.
14600	To authorize the transportation in commerce of up to 5,000 lighters manufactured by BIC Corporation per motor vehicle not subject to the requirements of Subparts C through H of Part 173 and part 177 in its entirety.





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14601	To authorize the manufacture, marking, sale and use of a non-DOT specification pressure vessel for the transportation in commerce of boron trifluoride.
14602	To authorize the transportation in commerce of anhydrous ammonia in non-DOT specification packaging.
14616	To authorize the manufacture, marking, sale and use of certain DOT Specification 51 steel portable tanks or UN steel portable tanks conforming with Section VIII, Division 2 of the ASME Code instead of Section VIII, Division 1, for the transportation in commerce of Division 2.1 and 2.2 materials.
14617	To authorize the transportation in commerce of certain compressed gases in DOT specification 3A and 3AA cylinders when retested by 100 percent ultrasonic examination and external visual inspection in lieu of internal visual inspection and the hydrostatic retest.
14618	To authorize the use cargo heaters in a motor vehicle when transporting flammable liquids or flammable gases in commerce.
14622	To authorize the transportation in commerce of certain DOT specification 105J500W tank cars containing Chlorine that do not meet the start-to-discharge requirements for pressure relief devices.
14623	To authorize the manufacture, marking, sale and use of a bag-on-valve container for the transportation of non-flammable aerosols which have been tested by an alternative method in lieu of the hot water bath test.
14625	To authorize the transportation in commerce of an aerosol in certain non-refillable containers which have been tested by an alternative method in lieu of the hot water bath test.
14627	To authorize the transportation in commerce of certain aerosols containing a Division 2.2 compressed gas in certain non-refillable aerosol containers which are not subject to the hot water bath test.
14631	To authorize the manufacture, marking, sale and use of non-DOT specification cylinders for certain hazardous materials for use as components of safety systems.
14632	To authorize the transportation in commerce by cargo only aircraft of Class 1 explosives which are forbidden or exceed quantities presently authorized.
14635	To authorize the transportation in commerce of Nitric acid, other than red fuming in alternative packaging when transported by motor vehicle.
14636	To authorize the transportation in commerce of certain DOT specification 3AA and 3T



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	cylinders that are passed the test date for requalification.
14638	To authorize the transportation in commerce of up to two pressure vessels containing Magnesium or Magnesium alloys under an Argon blanket further packaged in a non-DOT specification wooden box capable of meeting the performance requirements for PG II.
14640	To authorize the transportation in commerce of certain PG I hazardous materials that are not authorized for transportation aboard passenger-carrying aircraft under the small quantity provisions of 49 CFR 173.4.
14641	To authorize the transportation in commerce by air of certain hazardous materials in packagings that exceeds the quantity limit for cargo carrying aircraft.
14649	To authorize the transportation in commerce of certain Division 1.4 ammunition in bulk packaging by motor vehicle for the purpose of relocating a military packing operation.
14650	To authorize the transportation in commerce of certain Division 1.1, 1.2, 1.3 and 1.4 explosives which are forbidden or exceed quantities presently authorized.
14651	To authorize the transportation in commerce of certain manifolded DOT specification 3A and 3AA cylinders containing a materials toxic by inhalation in Hazard Zone B.
14656	To authorize the transportation in commerce of nitric acid up to 70% concentration in an alternative packaging configuration.
14657	To authorize the transportation in commerce of certain radioactive materials in DOT 6M containers beyond October 1, 2008.
14659	To authorize the transportation in commerce of calcium carbide (UN1402), Division 4.1, PG I in non-DOT specification bulk containers by motor vehicle.
14661	To authorize the ultrasonic testing of DOT-3A, DOT-3AA 3AX, 3AAX and 3T specification cylinders for use in transporting Division 2.1, 2.2 or 2.3 material.
14677	To authorize the transportation in commerce of Celluloid sheet, Division 4.1, in a non-DOT specification fiberboard box.
14680	To authorize the use of video cameras and monitors to observe the loading and unloading operations meeting the definition of "loading incidental to movement" or "unloading incidental to movement" as those terms are defined in § 171.8 of the Hazardous Materials Regulations from a remote control station in place of personnel remaining within 25 feet of a cargo tank motor vehicle.
14683	To authorize an alternative design equation in the manufacture, mark and sale of cylinders



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	of deep-drawn dome design for use in transporting compressed air or compressed nitrogen.
14689	To authorize the manufacture, marking, sale and use of certain MC 331 cargo tank motor vehicles that have baffle support clips welded to the inside of the cargo tank wall.
14690	To authorize the transportation in commerce of Sulfur hexafluoride, Division 2.2 in non-DOT specification cylinders.
14692	To authorize the transportation in commerce of certain DOT-3A, 3AA, 3AX, 3AAX and 3T specification cylinders that are re-qualified every ten years.
14694	To authorize the transportation in commerce of certain equipment contaminated with explosives in non-DOT specification packaging.
14700	To authorize the transportation in commerce of non-DOT specification cylinders under the exception provided for water pump system tanks under in 49 CFR 173.306(g).
14702	To authorize the transportation in commerce of approximately 2,500 UN11HG2W, UN11HH2 and UN11HH2W certified intermediate bulk containers that do not meet all the requirements of the competent authority approval that authorized their manufacture.
14710	To authorize the manufacture, marking, sale and use of certain DOT 400 series specification cargo tanks using titanium instead of the specified metal.
14712	To authorize the manufacture, marking, sale and use of UN 11G fiberboard intermediate bulk containers for use as the outer packaging for certain Class 3 waste paints and waste paint related material.
14718	To authorize the manufacture, marking, sale and use of a cylinder conforming in all respects to a DOT Specification 39 except for a procedure in completing the marking requirement.
14722	To authorize the manufacture, marking, sale and use of non-DOT specification containers described as hermetically-sealed electron tube devices for the transportation of certain non-flammable compressed gases.
14723	To authorize the transportation in commerce of certain aerosols containing a Division 2.2 compressed gas in certain non-refillable aerosol containers which are not subject to the hot water bath test.
14724	To authorize the manufacture, marking, sale and use of a bag-on-valve container for the transportation of non-flammable aerosols which have been tested by an alternative method in lieu of the hot water bath test.
14726	To authorize the transportation in commerce of certain hazardous materials in a motor



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	vehicle equipped with a cargo heater.
14728	To authorize the transportation in commerce of existing Type B packagings constructed to DOT-Specification 6M, 20 WC or 21WC for the transportation of radioactive material by motor vehicle.
14732	To authorize the transportation in commerce of reconditioned (used) refrigerating machines containing a group A1 refrigerant by motor vehicle.
14736	To authorize the transportation in commerce of Nitric acid, red fuming in alternative packaging.
14744	To authorize the transportation in commerce of DOT Specification 3AA and ICC 3A cylinders containing nitrogen, compressed, and a non-DOT specification refrigeration system containing helium that are installed in the Advance Flight Telescope (AFT) Payload where the cylinders release nitrogen into the satellite telescope during transportation.
14751	To authorize the transportation in commerce of an Organometallic substance, solid in a non-DOT specification portable tank.
14756	To authorize the transportation in commerce of a Division 4.2 hazardous material in a non-DOT specification portable tank.
14768	To authorize the transportation of certain infectious substances by motor vehicle in alternative packaging (freezers).
14770	To authorize the transportation in commerce of a Division 4.3 organometallic substance in a non-DOT specification portable tank.
14772	To authorize the continued use of Type B packages for the transportation in commerce of radioactive materials.
14777	To authorize the one-way transportation in commerce of Class 9 hazardous waste in alternative packaging for approximately 8 miles by motor vehicle.
14778	To authorize the transportation in commerce of non-DOT specification cylinders containing a Division 2.2 compressed gas for export only.
14779	To authorize the manufacture, marking, sale and use of non-DOT Specification cargo tank motor vehicle conforming to DOT 407/412 with certain exceptions.
14781	To authorize the transportation in commerce of compressed hydrogen in manifolded and framed non-DOT specification seamless steel cylinders originally certified as Specification DOT-107A seamless steel tank car tanks



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14784	To authorize the requalification of certain DOT-Specification cylinders containing Division 2.1 and 2.2 gases every ten years.
14787	To authorize the transportation in commerce of certain fiber reinforced plastic composite cylinders containing compressed air under the exception in 49 CFR 173.306(g).
14789	To authorize the transportation in commerce of certain detonator assemblies on the same motor vehicle with any other Class 1 explosives when they are in separate and isolated cargo-carrying compartments powered by the same tractor.
14790	To authorize the transportation in commerce of Seed cake, which is not mechanically extruded, is not subject to the Hazardous Materials Regulations.
14796	To authorize the transportation in commerce of non-DOT specification cylinders containing Bromine trifluoride.
14798	To authorize the ultrasonic examination of certain DOT specification cylinders in lieu of the specified internal visual examination and hydrostatic pressure test and to allow the plus marking without determining the elastic expansion by the water jacket method.
14799	To authorize the manufacture, marking, sale and use of non-DOT specification cylinders similar to a DOT 39 cylinder for use as components of safety systems.
14803	To authorize the manufacture, marking, sale, and use of non-DOT specification fully wrapped carbon-fiber reinforced aluminum lined cylinders.
14808	To allow the manufacture, marking, sale and use of a non-DOT specification cylinder, similar to a DOT 4BA.
14811	To authorize the manufacture, marking, sale and use of a non-DOT specification cylinder conforming with DOT Specification 3AA except an alternative flattening test is authorized.
14814	To authorize the transportation in commerce of certain Division 2.2 compressed gases in non-DOT specification cylinders to support the International Space Station Human Research Facility Gas Delivery System.
14815	To authorize the transportation in commerce of nitrous oxide refrigerated liquid in fifteen non-DOT specification portable tanks that were manufactured to the EN 13530 standard instead of the ASME Code Section VIII.
14817	To authorize the manufacture, marking, sale and use of a corrugated fiberboard box for use as the outer packaging for lab pack applications in accordance with 49 CFR 173.12(b).
14818	To authorize the transportation in commerce of non-DOT specification cylinders under the



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	exception provided for water pump system tanks under in 49 CFR 173.306(g).
14820	To authorize the one-time, one-way transportation in commerce of fifty-four (54) neutron detector tubes containing boron trifluoride a Division 2.3 material.
14821	To authorize the transportation in commerce of certain manifolded DOT specification 3A and 3AA cylinders containing a materials toxic by inhalation in Hazard Zone B.
14822	To authorize personnel to observe loading and unloading of cargo tanks by viewing video camera monitors in a control center instead of being physically located within 25 feet of the cargo tanks.
14823	To authorize the return shipment by motor vehicle of hazardous materials that have been accepted, transported, and subsequently determined to be non-compliant with the Hazardous Materials Regulation's shipping paper, marking or labeling requirements.
14827	To authorize the use of video cameras and monitors to observe the loading and unloading operations meeting the definition of "loading incidental to movement" or "unloading incidental to movement" as those terms are defined in § 171.8 of the Hazardous Materials Regulations from a remote control station in place of personnel remaining within 25 feet of the cargo tank motor vehicles.
14828	To authorize the transportation in commerce of certain Division 1.3 explosives which exceed quantities authorized for transportation by cargo aircraft only.
14829	To authorize the transportation in commerce of nitric oxide, compressed in alternative packaging by motor vehicle.
14830	To authorize the transportation of certain forbidden explosives and other hazardous materials by helicopter in remote areas of the US for seismic exploration without being subject to hazard communication requirements and quantity limitations.
14831	To authorize the ultrasonic examination of DOT-3A and DOT-3AA specification cylinders for use in transporting Division 2.1, 2.2 or 2.3 material.
14832	To authorize the manufacture, marking, sale and use of DOT 105 and DOT 112 specification tank cars for use in transportation of hazardous materials that are toxic-by-inhalation with a welded man-way protective housing and an increase to 286,000 pounds gross weight on rail.
14833	To authorize the manufacture, marking, sale and use of non-DOT specification cylinders for use as components of safety systems.
14838	To authorize the transportation in commerce of Class 1 explosives in a specially designed packaging as Division 1.3C or 1.4C for materials and devices respectively without being first



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	examined as required by § 173.56 for transportation by motor vehicle.
14840	To authorize the use of video cameras and monitors to observe the loading and unloading operations meeting the definition of "loading incidental to movement" or "unloading incidental to movement" as those terms are defined in § 171.8 of the Hazardous Materials Regulations from a remote control station in place of personnel remaining within 25 feet of the cargo tank motor vehicles.
14842	To authorize the transportation in commerce of certain aerosols containing a Division 2.2 compressed gas in certain non-refillable aerosol containers which are not subject to the hot water bath test.
14843	To authorize the transportation of gallium contained in a manufactured article in alternative packaging, and without shipping papers unless transported by air.
14848	To authorize the discharge of a Division 2.1 material from an authorized DOT specification cylinder without removing the cylinder from the vehicle on which it is transported.
14849	To authorize the transportation in commerce of certain batteries without shipping papers, marking or labeling, when transported for disposal.
14852	To authorize the transportation in commerce of Ammonia, anhydrous and Toxic liquid n.o.s. in alternative packaging contained in the Protein Diagnostics Crystallization Facility unit as part of the payload for a shuttle launch.
14854	To authorize the transportation in commerce of certain DOT 3AL cylinders manufactured from aluminum alloy 6061-T6 that are re-qualified every ten years rather than every five years using 100% ultrasonic examination and are not required to be hammer tested prior to each refill.
14855	To authorize the transportation in commerce of DOT 3A, 3AA, 3AX, 3AAX and 3T cylinders in MEGC's tube trailers, and independently packaged cylinders mounted on transportable framework to be periodically re-qualified every ten years using test methods authorized under DOT-SP 12629 or 14453.
14856	To authorize the transportation in commerce of DOT 3A, 3AA, 3AX, 3AAX and 3T cylinders in MEGC's tube trailers, and independently packaged cylinders mounted on transportable framework to be periodically re-qualified every ten years using test methods authorized under DOT-SP 12629 or 14453.
14857	To authorize the transportation in commerce of DOT 3A, 3AA, 3AX, 3AAX and 3T cylinders in MEGC's tube trailers, and independently packaged cylinders mounted on transportable framework to be periodically re-qualified every ten years using test methods authorized



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	under DOT-SP 12629 or 14453.
14864	To authorize the transportation in commerce of ethylene and allows for the controlled release of the hazardous material for the purposes of ripening fruits or vegetables.
14865	To authorize the transportation in commerce of liquefied petroleum gas in a specially designed vault when transported by railroad in Alaska.
14867	To authorize the manufacture, marking, sale and use of non-DOT specification fiber reinforced hoop wrapped cylinders with water capacities of up to 120 cubic feet for use in transporting certain Class 2 gases.
14871	To authorize the transportation in commerce of lighters containing flammable gas in non-DOT specification containers that are capable of meeting UN performance standards at the PG II performance level that are further over packed in a corrugated container.
14881	To authorize the transportation in commerce of small unpalletized packages in an over pack (reusable, collapsible consolidation bins) without hazard warning labels on the over pack.
14887	To authorize the transportation in commerce of certain aerosols containing a Division 2.2 compressed gas in certain non-refillable aerosol containers which are not subject to the hot water bath test.
14889	To authorize the transportation in commerce of certain UN portable tanks that are waived from the requirement to perform an internal examination as part of the intermediate 2.5 year periodic inspection when used exclusively for the transport of certain organometallic substances.
14894	To authorize the one-time, one-way transportation in commerce of certain explosives that are forbidden for transportation by cargo only aircraft
14897	To authorize the transportation in commerce of certain DOT specification cylinders that has been tested using Acoustic Emission/Ultrasonic Examination every ten years rather than every five years.
14903	To authorize the transportation in commerce of cylinders of compressed oxygen and oxidizing gases without rigid outer packaging when no other means of transportation exist.
14907	To authorize the transportation in commerce by air of certain hazardous materials in packagings that exceed the quantity limit for cargo carrying aircraft.
14908	to authorize the transportation in commerce of cylinder of compressed oxygen and oxidizing gases without rigid outer packaging when no other means of transportation exists.





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14912	To authorize the manufacture, marking and sale of a non-DOT specification container to be used for the transportation in commerce of certain Division 2.2 materials.
14914	To authorize the transportation in commerce of a T-45 canopy containing a Division 1.4S explosive in alternative packaging.
14915	To authorize the one-time, one-way transportation in commerce of a finished product from its primary production building to another location to complete product filling, packaging and shipping without shipping papers, marking, labeling or placarding.
14916	To authorize the transportation in commerce of an assembled electrolytic cell containing corrosive solids, toxic, n.o.s. in alternative packaging.
14919	To authorize the manufacture, marking, sale and use of non-DOT specification cylinders for use in automobile safety systems.
14920	To authorize the transportation in commerce of certain cylinders that have tested using ultrasonic examinations with visual external examination in lieu of hydrostatic testing and internal visual inspection.
14921	To authorize the transportation in commerce of cylinders of compressed oxygen and oxidizing gases without rigid outer packaging when no other means of transportation exist.
14924	To authorize the transportation in commerce of certain Division 1.1D and 1.4B explosives by vessel in an alternative stowage configuration.
14927	To authorize the transportation in commerce of cylinders of compressed oxygen without rigid outer packaging when no other means of transportation exist.
14932	To authorize the manufacture, marking, sale, and use of non-DOT specification fully wrapped carbon-fiber reinforced aluminum lined cylinders for the transportation in commerce of certain compressed gases.
14933	To authorize the transportation in commerce of certain Division 6.2 infectious substances packaged in portable Dewar flask cryogenic shipping containers, insulated liquid nitrogen refrigerated portable tanks and automatic fill plug-in liquid nitrogen freezers by highway.
14935	To authorize the one-way transportation in commerce of certain portable tanks and intermediate bulk containers containing the residue of a Class 3 hazardous material for cleaning so they can be repaired.
14937	To authorize the transportation in commerce of certain cylinders that have re-qualifier markings on a label embedded in epoxy instead of stamping.



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14940	To authorize the manufacture, marking, sale and use of non-DOT specification cans similar to a DOT 2P or 2Q inner metal receptacle except for wall thickness for the transportation in commerce of certain compressed gases.
14947	To authorize the transportation in commerce of certain used batteries for recycling without protection against short circuits.
14948	To authorize the transportation in commerce of missile sustainer sections containing a flammable liquid in non-DOT specification packaging by motor vehicle and cargo vessel.
14950	To authorize the rebuilding or modification and sale of certain DOT Specification 4B, 4BA, and 4BW cylinders for use in the transportation in commerce of certain hazardous materials.
14952	To authorize the transportation in commerce of Methyl bromide and Chloropicrin and methyl bromide mixtures in non-DOT specification cylinders by motor vehicle and cargo vessel for export only.
14953	To authorize the transportation in commerce of DOT Specification 2Q non-refillable aluminum inside containers which have been tested by an alternative method in lieu of the hot water bath test.
14957	To authorize the transportation in commerce of approximately 80,000 packages under the terms of 49 CFR 173.4 with alternative marking to deplete carton stock.
14959	To authorize the transportation in commerce Class 3 Gasoline in approved containers of 6 gallon or less capacity on passenger ferry vessels transporting motor vehicles.
14966	To authorize the manufacture, marking, sale and use of non-DOT specification cylinders for the transportation of compressed air for use in self contained breathing apparatus.
14967	To authorize the one-time transportation in commerce of certain hazardous materials to a new site to be transported as essentially unregulated.
14969	To authorize the one-way transportation in commerce of certain Category A infectious substances in alternative packaging (freezers) by motor vehicle.
14971	To allow the controlled release of nitrogen and air from a cylinder during transportation to maintain an inert atmosphere in a shipping container to protect the electronic sensors for a satellite.
14973	To authorize the transportation in commerce of anhydrous ammonia in non-DOT specification packaging (heat pipes) for installation in a satellite.



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14974	To authorize the transportation in commerce of lead batteries from more than one shipper without voiding the exception in § 173.159(e).
14977	To authorize the transportation in commerce of certain DOT Specification 3T cylinders containing Silane without pressure relief devices by motor vehicle and cargo vessel.
14978	To authorize the transportation in commerce of pyrophoric liquids in inner metal containers (bubblers) with openings greater than 25mm (1 inch) which are engineered to specific electronics applications that require a larger opening.
14980	To authorize the one-way transportation in commerce of certain non-DOT specification storage tanks containing propane.
14981	To authorize the manufacture, marking, sale and use of non-DOT specification cylinders for use as fire extinguishers.
14994	To authorize the transportation in commerce of certain 1 gallon plastic drums that are reused without meeting the minimum thickness requirement on corners and undercut areas.
14995	To authorize the transportation in commerce of certain Class 1 explosive materials which are forbidden for transportation by air, to be transported by cargo aircraft within the State of Alaska when other means of transportation are impracticable or not available.
14997	Authorizes the transportation in commerce of certain cylinders of compressed oxygen, when no other practical means of transportation exist, without their outer packaging being capable of passing the Flame Penetration and Resistance Test and the Thermal Resistance Test by Part 133 Rotorcraft External Load Operations transporting hazardous materials attached to or suspended from an aircraft.
14999	To authorize the transportation in commerce of certain hazardous materials by Part 133 Rotorcraft External Load Operations, attached to or suspended from an aircraft, in remote areas of the US without meeting certain hazard communication and stowage requirements.
15001	To authorize the transportation in commerce of DOT Specification 39 cylinders without meeting certain marking and shipping paper requirements when transported by private or contract motor carrier.
15002	To authorize the transportation in commerce of DOT-specification cylinders containing propane without the required labels provided each transport vehicle is marked and placarded.
15014	To authorize the transportation in commerce of certain Class 1 explosive materials which are forbidden for transportation by air, to be transported by cargo aircraft within the State



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	of Alaska when other means of transportation are impracticable or not available.
15028	To authorize the transportation in commerce of certain DOT specification cargo tank motor vehicles that have been tested using alternative methods for the internal visual inspection.
15037	To authorize the transportation in commerce of non-DOT specification packaging for the transportation in commerce of Dinitrogen tetroxide and Methylhydrazine by motor vehicle.
15038	To authorize the transportation in commerce of Hydrazine, anhydrous in non-DOT specification packaging (Propellant Storage Assembly) by motor vehicle.
15059	To authorize the transportation in commerce of helium in non-DOT specification packaging (cryoengines and assemblies of Maverick Missiles, Guidance Control Sections and Training Guidance Missiles containing cryoengines).
15062	To authorize the transportation in commerce of cylinders containing oxidizing gases without outer packaging capable of passing the Flame Penetration and Resistance Test and the Thermal Resistance Test when no other practical means of transportation exist.
15070	To authorize the manufacture, marking, sale and use of carbon and glass fiber reinforced, brass lined composite pressure vessels.
15071	To authorize the transportation in commerce of a Cartridge, power device installed as part of a launch vehicle subassembly in alternative packaging by motor vehicle and cargo vessel.
15073	To authorize the transportation in commerce of certain hazardous materials by cargo aircraft including by external load in remote areas of the US without being subject to hazard communication requirements and quantity limitations where no other means of transportation is available.
15075	To authorize the transportation in commerce of cylinders containing oxidizing gases without outer packaging capable of passing the Flame Penetration and Resistance Test and the Thermal Resistance Test when no other practical means of transportation exist.
15076	To authorize the transportation in commerce of cylinders containing oxidizing gases without outer packaging capable of passing the Flame Penetration and Resistance Test and the Thermal Resistance Test when no other practical means of transportation exist.
15077	To authorize the transportation in commerce of cylinders containing oxidizing gases without outer packaging capable of passing the Flame Penetration and Resistance Test and the Thermal Resistance Test when no other practical means of transportation exist.
15078	To authorize the transportation in commerce of cylinders containing oxidizing gases without outer packaging capable of passing the Flame Penetration and Resistance Test and



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	the Thermal Resistance Testm when no other practical means of transportation exist.
15079	To authorize the transportation in commerce of cylinders containing oxidizing gases without outer packagings capable of passing the Flame Penetration and Resistance Test and the Thermal Resistance Testm when no other practical means of transportation exist.
15092	To authorize the transportation in commerce of cylinders containing oxidizing gases without a rigid outer packaging capable of passing the Flame Penetration and Resistance Test and the Thermal Resistance Test when no other practical means of transportation exist.
15094	To authorize the transportation in commerce of cylinders containing oxidizing gases without a rigid outer packaging capable of passing the Flame Penetration and Resistance Test and the Thermal Resistance Test when no other practical means of transportation exist.
15095	To authorize the transportation in commerce of cylinders containing oxidizing gases without a rigid outer packaging capable of passing the Flame Penetration and Resistance Test and the Thermal Resistance Test when no other practical means of transportation exist.
15118	To authorize the transportation in commerce of Sodium cyanide in quantities that exceed those authorized by cargo only aircraft.
15129	To authorize the transportation in commerce of certain Class 1 explosive materials which are forbidden for transportation by air, to be transported by cargo aircraft within and around the State of Alaska when other means of transportation are impracticable or not available.
15130	To authorize the transportation in commerce of gasoline in 55 gallon drums attached to or suspended from an aircraft by Part 133 Rotorcraft External Load Operations, in remote areas of the US.
15132	To authorize the transportation in commerce of certain Division 2.1 and 2.2 gases in alterative packaging when transported by motor vehicle.
15135	To authorize the transportation in commerce of certain DOT 2P non-refillable aerosol containers that are leak tested by an alternative method in lieu of the required hot water bath.
15136	To authorize the manufacture, marking, sale and use of a non-DOT specification fully-wrapped carbon fiber composite cylinder with a seamless aluminum liner designed, manufactured and tested in accordance with ISO 11119 part 2.



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15141	To authorize the manufacture, marking, sale and use of non-DOT specification metal containers containing Boron Trifluoride, classed as Division 2.3 for use in radiation detectors.
15143	To authorize the transportation in commerce of cylinders containing oxidizing gases without outer packaging capable of passing the Flame Penetration and Resistance Test and the Thermal Resistance Test when no other practical means of transportation exist.
15156	To authorize the manufacture, marking, sale and use of a non-specification plastic pressure vessel for transportation of non-flammable compressed gases.
15163	To authorize the transportation in commerce of cylinders containing oxidizing gases without outer packaging capable of passing the Flame Penetration and Resistance Test and the Thermal Resistance Test when no other practical means of transportation exist.
15192	To authorize the one-time transportation in commerce of certain explosives that are forbidden for transportation by cargo only aircraft.
15226	To authorize the transportation in commerce of certain Class 1 explosive materials which are forbidden for transportation by air, to be transported by cargo aircraft within the State of Alaska when other means of transportation are impracticable or not available.
15227	Authorizes the carriage of radioactive materials aboard cargo aircraft only, under any combination of the following conditions: when the combined transport index exceeds the authorized limit of 200 per aircraft (as specified in § 175.700 (b) (2) (ii)), or the separation distance criteria of § 175.702 (b) cannot be met.
15228	Authorizes the carriage of radioactive materials aboard cargo aircraft only, under any combination of the following conditions: when the combined transport index exceeds the authorized limit of 200 per aircraft (as specified in § 175.700(b)(2)(ii)), or the separation distance criteria of § 175.702(b) cannot be met
15270	To authorize the one-time transportation in commerce of waste explosive signal flares that do not have valid EX numbers by motor vehicle in alternative packaging.



## Appendix D

### PHMSA's Response to DOT OIG Final Report on Special Permits and Approvals Program

#### **OIG Management Advisory Related To Classification of Explosives Approvals**

On April 7, 2010, the OIG issued a Management Advisory relating to PHMSA's oversight of the Explosives Classification Approvals Program. The report focused on: (1) the process for reviewing and authorizing explosives classification approvals; and (2) the oversight of explosives testing agencies. PHMSA's December 2009 Approval Action Plan addressed both issues. The plan contemplated PHMSA issuing standard operating procedures for each category of approvals by February 2010. Standard operating procedures were issued for the Evaluation and Issuance of Explosive Classification Approvals in early January 2010, and address the process for reviewing and authorizing explosives classification approvals. The Approval Action Plan also required PHMSA to issue specific requirements for inspection, management, and oversight of approved explosives testing agencies. Those specific requirements were established March 2010. In addition, PHMSA established a strike force of inspectors and scientists who created a detailed protocol to visit and review each explosives testing agency. Those reviews have been completed and PHMSA is using the information gathered to determine whether a testing agency is in compliance with its requirements and may continue to serve as a PHMSA-authorized testing agency. PHMSA is also reviewing any other third-party agencies it may have relationships with to ensure that our oversight of those relationships is adequate.

PHMSA continues to work diligently to address all concerns related to the Special Permits and Approvals Program. The FY 2010 appropriation authorized PHMSA to hire 16 new positions to include permit review and approval staff, enforcement inspectors, and data analysis staff. In addition, the agency acquired contractor support services for review of existing special permits and approval of new special permit requests using revised criteria, policies, and procedures. Because the agency is now conducting more in depth reviews of permits and approvals and of holders of permits, the processing of applications takes longer. Backlogs developed in both special permits and approvals. The agency has eliminated the backlog in special permits except for those applicants whose permit has been flagged for further safety fitness review. The approvals backlog remains but PHMSA has dedicated every possible resource to resolve that backlog.

The FY 2011 Presidential Budget request included funding to continue evaluating the Special Permits and Approvals Program, conducting thorough fitness reviews, improving hazardous materials data preservation and research methods, and supporting the implementation of two action plans that will improve operational efficiency within PHMSA's Office of Special Permits and Approvals.

On March 4, 2010, the OIG issued its Final Report on PHMSA's Special Permits and Approvals Program and made ten recommendations for improving the program. PHMSA's response to the OIG's recommendations is summarized below. As a result of PHMSA's satisfactory efforts, in February 2011 the OIG closed all its recommendations.



Following is a brief description of the OIG's ten recommendations and PHMSA's actions:

**1. Finalize and fully implement the action plans to improve the effectiveness of processing special permits and approvals.**

On August 6, 2009, PHMSA began implementation of an accelerated and comprehensive action plan to improve its management of the Special Permits Program.

On November 6, 2009, PHMSA completed a similar comprehensive review of its policies and procedures for issuing approvals.

On December 4, 2009, PHMSA began an action plan to enhance and improve management and oversight of the Approvals Program. Consistent with the plan for the Special Permits Program, this plan was developed to improve the effectiveness of the Approvals Program.

On February 5, 2010, PHMSA completed the implementation of the action plan for the Special Permits Program.

On June 1, 2010, PHMSA completed the development and implementation of the action plan for the Approvals Program.

As a result of these actions, the OIG considers this recommendation closed.

**2. Finalize and fully implement formal standard operating procedures (SOPs) and policies for special permit and approval processes (i.e., application, evaluation, authorization; agency coordination; and oversight).**

PHMSA completed its review and implemented SOPs for the Special Permits Program on October 5, 2009. The SOPs incorporate a number of program enhancements, including standardized documentation and retention requirements for applications, safety assessments, fitness evaluations, internal and intermodal coordination records, and all relevant background, data and analysis. Further, the SOPs incorporate a rigorous process for determining if a special permit will achieve an equivalent level of safety as provided by the regulations and a comprehensive review and inspection procedure for making determinations as to the fitness of special permit applicants, including specific processes and metrics for defining and evaluating fitness.

Between December 2009 and March 2010, the agency completed and implemented numerous action items for the Approvals Program, including enhanced procedures for safety assessment, fitness evaluations, and internal and intermodal coordination which resulted in a similarly rigorous process for that program.

As a result of these actions, the OIG considers this recommendation closed.





**3. Establish priorities for implementing each of the initiatives in the action plans as well as a process to measure the effectiveness of each initiative and revise or update initiatives as necessary.**

PHMSA agrees that it is important to prioritize efforts to ensure that the concerns identified by the OIG are fully addressed. The initiatives in the action plans are prioritized according to a combination of criteria based on due dates, timeframes for completion, logical order for progression and their anticipated safety impact, overall urgency, staffing and budget resources.

A major component of the solution to the problems identified in the OIG Final Report on Special Permits and Approvals Program involves enhancing PHMSA's utilization of data and information to facilitate determinations as to whether the operations meet an established safety standard and the applicants are capable of conducting those operations safely. Enhanced safety data and information will also improve monitoring the performance of companies who utilize special permits and approvals and increase identification of potential safety problems that need to be addressed. The system must be upgraded to enable the agency to more effectively process applications and synthesize safety information about companies applying for special permits and approvals, as well as the safety performance of special permit and approval holders. Addressing data issues associated with the Special Permits Program must be accomplished as part of a broader effort to identify and use data to make better informed all safety decisions.

PHMSA's multi-year Data Management and IT Modernization Roadmap identifies resource, process, and technology initiatives that will enhance our ability to manage data and IT in support of our safety mission. Immediate benefits will be realized in 120-180 day increments, allowing us to continually re-evaluate strategies based on current and future business needs.

As a result of these actions, the OIG considers this recommendation closed.

**4. Resolve the issues of company fitness and level of safety for existing special permits issued through trade associations to over 5,000 companies by requiring these companies to reapply under the new policy guidelines that require evaluating each company's fitness and level of safety.**

On August 17, 2009, PHMSA issued a written policy to clarify that special permits are only granted to *members* of trade associations, not to trade associations. On May 1, 2010, PHMSA released a new policy recommending all applicants utilize PHMSA's new on-line application system.

Utilizing the above two policies, PHMSA launched a plan to eliminate the practice of issuing special permits and approvals to trade associations. This plan is being implemented using a phased approach based on careful consideration of the hazards associated with the permit or approval and the number of companies impacted.



On May 4, 2010, PHMSA notified the first group of trade associations of its intent to modify (or terminate when appropriate) the special permits and approvals granted to trade association members collectively. Specifically, PHMSA sought the applications from each individual trade association member in order to determine fitness of each company. This action will enable the modification of the permit or approval to remove the trade association. PHMSA has begun executing phase two of this plan which is to notify the second group of trade associations of the intent to modify (or terminate when appropriate) these special permit and approvals.

In conjunction with the plan above, PHMSA also identified a number of special permits and approvals with long-standing safety records that are widely used by industry, including those granted to members of trade associations. PHMSA is aggressively working to convert these special permits and approvals into the regulations for broad use across industry. This effort will eliminate the need for repeated special permit renewal requests and facilitate commerce while maintaining an appropriate level of safety.

On May 14, 2010, PHMSA published HM-233A, which is the first final rule in a series of rules to accomplish the conversion of permits into regulations. Specifically, this rulemaking incorporated 44 existing special permits into the regulations, which eliminated the need to hold these special permits for thousands of individual entities.

On July 21, 2010, PHMSA published HM-245 proposing to amend the Hazardous Materials Regulations (HMR) to incorporate provisions contained in six widely used or longstanding cargo tank special permits that are granted to multiple parties and have an established safety record.

PHMSA has planned rulemakings to be initiated in 2011 to address all remaining special permits and approvals issued to trade associations by incorporating them into rulemaking.

As a result of these actions, the OIG considers this recommendation closed.

- 5. Develop a precise definition of what constitutes an applicant's "fitness" to conduct the activity authorized by the special permit or approval. This definition should include reviewing an applicant's safety history-incidents and enforcement actions-prior to granting a special permit or approval.**

On June 1, 2010, PHMSA implemented a clearly defined process and criteria used to determine the fitness of applicants for special permits and approvals.

Together with its modal partners, PHMSA completed a comprehensive review of existing fitness determination processes and developed a refined process for evaluating fitness, based on identified metrics related to a company's safety history.

By utilizing safety data from several existing sources, the agencies can now use performance-based measures to evaluate an applicant's past safety history and ability to operate under the terms of the special permit as indicated in its application.



On August 19, 2010, PHMSA hosted a public meeting to receive feedback from stakeholders on the initial fitness review criteria. PHMSA is reviewing the transcripts of the meeting as well as comments provided afterward. PHMSA is continuing to work with our modal partners to streamline and better define the indicators of safety fitness.

As a result of these actions, the OIG considers this recommendation closed.

- 6. Require the Office of Hazardous Materials Technology to conduct and prepare complete evaluations that document the level of safety the company or individual is proposing is as safe as or safer than requirements from which the company is seeking relief.**

PHMSA developed a new safety evaluation form that documents pertinent information to determine if a special permit will provide a level of safety equivalent to that provided under the HMR. This pertinent information consists of the following: risks of materials to be transported, the type of packaging to be utilized, the mode of transport to be utilized, the conditions likely to be encountered during transportation, and pertinent special handling measures or operational requirements.

On February 2, 2010, PHMSA implemented a similar process for consistent and uniform documentation of activities authorized under an approval.

PHMSA amended its procedural regulations to require applicants to provide additional data and information concerning the risks of the proposed operations and the measures to be utilized to address the risks.

The Office of Management and Budget (OMB) must approve the new application requirements under the Paperwork Reduction Act. OMB approval is expected by January 2011.

As a result of these actions, the OIG considers this recommendation closed.

- 7. PHMSA has established a partner safety interagency working group to develop a uniform process for coordinating special permits, including new, renewal, "party-to," and emergency permits as well as new and renewed approvals.**

PHMSA established a working group with its partner safety agencies in DOT, specifically FAA, FMCA, and FRA, as well as the USCG, on September 4, 2009. The working group established specific interagency coordination and concurrence guidelines for special permit applications. FAA, FMCA and FRA now share PHMSA's electronic docket management system to ensure more effective and efficient coordination. The guidelines specify that PHMSA will approve or deny applications only after coordination with the operating administrations and the USCG, and provide for each to notify PHMSA of any violations of a special permit by the grantee that would call its fitness into question. The Special Permits



standard operating procedures, implemented October 5, 2009, incorporate detailed procedures for coordinating special permit applications with the operating administrations. On February 2, 2010, PHMSA finalized and implemented a similar process for interagency coordination of approval applications.

As a result of these actions, the OIG considers this recommendation closed.

**8. PHMSA now includes “holders of special permits and approvals” as a priority factor in its risk-based oversight approach in targeting companies for compliance reviews.**

PHMSA's Office of Hazardous Materials Enforcement implemented a national business strategy to prioritize its activities. Activities authorized under Special Permits and Approvals are targeted as high priorities for inspection and oversight by the Office. In addition, on September 4, 2009, PHMSA, in concert with its partner operating administrations, issued a plan for enhanced enforcement of the terms of the Special Permits and Approvals Program utilizing the resources of all the operating administrations with enforcement responsibility and available data to identify potential safety problems and target resources. The plan included inspection procedures specific to special permit and approval grantees and inspection target goals.

As a result of these actions, the OIG considers this recommendation closed.

**9. Establish timeframes for resolving and implementing long-standing safety concerns and periodically measure performance against the timeframes.**

The OIG identified two long-standing safety issues involving special use bulk explosive vehicles and lithium batteries.

On August 6, 2009, PHMSA implemented within its Special Permits Action Plan an approach for addressing safety issues associated with special use bulk explosives vehicles.

Adhering to very aggressive timelines for completion, PHMSA completed safety performance and fitness reviews of the current special permit holders; performed a risk analysis to ensure the special permits address all possible safety issues, including the potential for a high-consequence (catastrophic) accident; and developed additional safety measures to address identified risks.

On September 4, 2009, PHMSA completed its review of these special permits and issued revised special permits incorporating a number of enhanced safety requirements on October 5, 2009, resolving this issue. Additional requirements include electrical and mechanical cutoffs, tire inspections, enhanced training requirements, etc.

As a result of these actions, the OIG considers this recommendation closed.



**10. PHMSA established a method to develop standard procedures for facilitating the adoption of Special Permits and Approvals into the Hazardous Materials Regulations in order to keep the current regulatory framework in sync with advanced technologies and business practices.**

On February 5, 2010, we finalized a plan to establish a systematic process for reviewing outstanding special permits and incorporating them, where appropriate, into the regulations. As part of this plan, we have created a team to review all currently active special permits – about 1,250 – and identify those that should be incorporated into the regulations. As already discussed, this process was prioritized for special permits issued to associations. Once the review of all currently active special permits is completed, expected by mid 2013, we will routinely review recently granted special permits each year and will initiate a rulemaking to propose incorporating them into the regulations as warranted. We are developing a similar plan for incorporating the terms of certain approvals into the HMR.

As a result of these actions, the OIG considers this recommendation closed.

PHMSA's actions, in total, systematically addressed each of the issues identified, and offered decisive actions with regard to strengthening the Approvals and Permits Division. On January 7, 2011, all of the remaining OIG open recommendations were closed.

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- Cleared and Concurred - forward to S-1
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*Case - Note my comments re: Statement of Interest + please pass on to them. L.*

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**S-10 Follow-up**

Reviewed by Executive Secretariat

Correspondence Manager Date: <u>11/9/11</u>	Deputy Director: _____ Date: _____	Director: <u>CD</u> Date: <u>11-9-11</u>
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