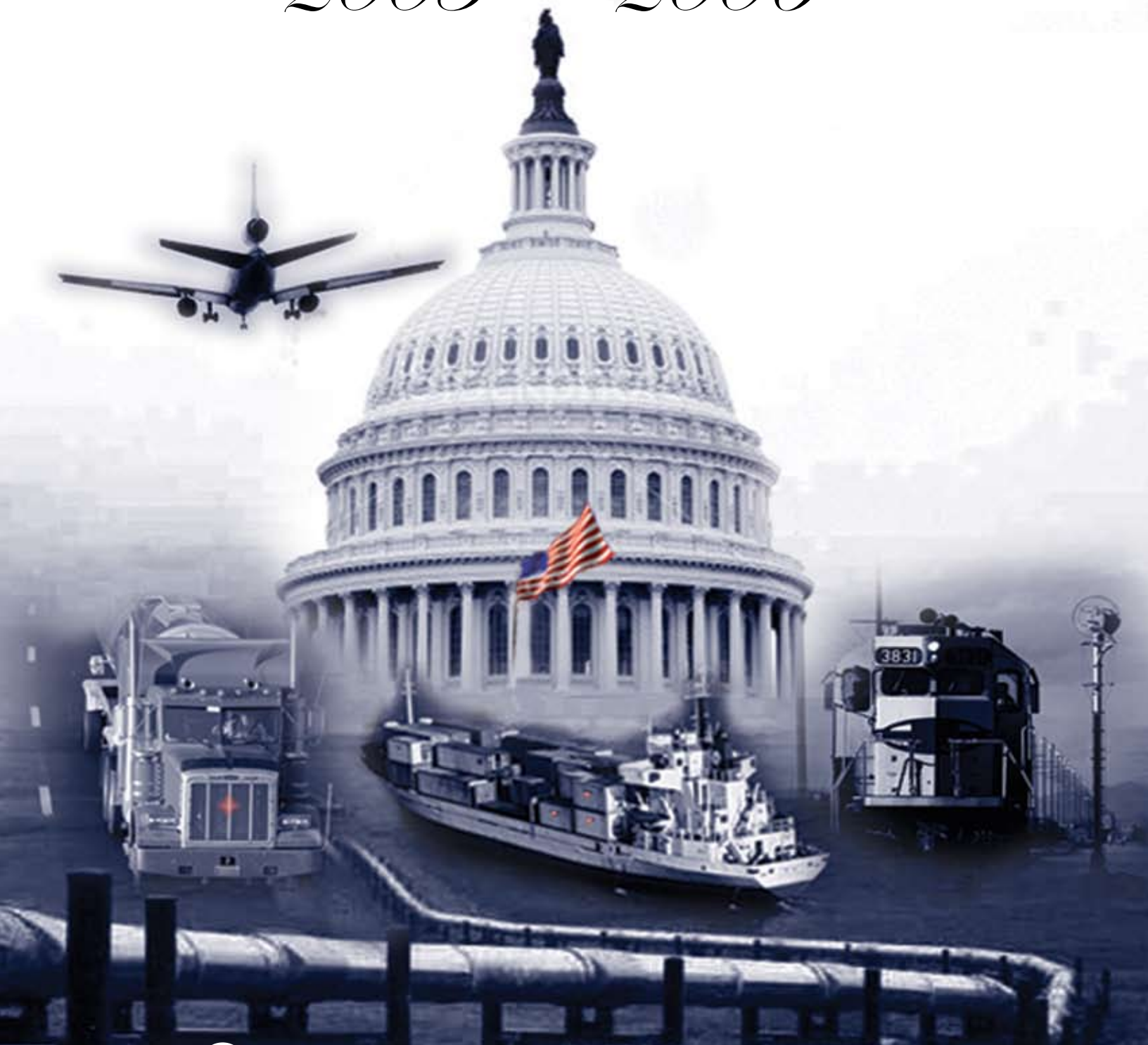


U.S. DEPARTMENT OF TRANSPORTATION
BIENNIAL REPORT

SUMMARY OF HAZARDOUS MATERIALS TRANSPORTATION

2005 *2006*



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

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Preface

This report, prepared as required by the Federal hazardous materials transportation law (Federal hazmat law, 49 U.S.C. § 5121 (h)), describes the U.S. Department of Transportation's Hazardous Materials program and its accomplishments. It also addresses requirements under Subtitle D—Enhanced Environmental Regulation of Methamphetamine Byproducts in Appendix C.

This report is a compilation of data describing the performance and accomplishments of DOT's hazardous materials program.

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Executive Summary

The Federal hazmat law requires the United States (U.S.) Department of Transportation (DOT) to protect the public from the risks to life, property, and the environment inherent in commercial transportation of hazardous materials. The Pipeline and Hazardous Materials Safety Administration (PHMSA) has the dual responsibility for regulating and enforcing hazmat law. The PHMSA Administrator, through the Associate Administrator for Hazardous Materials Safety (HMS), coordinates the Department's hazardous materials transportation safety program. Enforcement authority has also been delegated to three DOT operating administrations – the Federal Aviation Administration (FAA), Federal Motor Carrier Safety Administration (FMCSA), and Federal Railroad Administration (FRA) along with the Department of Homeland Security's U.S. Coast Guard (USCG).

Every day the public is exposed to the risks inherent in the transportation of hazardous materials and energy products. Moving more than 800,000 daily shipments of packaged hazardous materials brings their benefits, and attendant risks, to every community in the nation. Because so much of the nation's economic vitality and living standards rest on the availability of a steady supply of hazardous materials (to heat our homes, purify our drinking water, fertilize our farmland, and treat our physically ill and infirm) any disruption in the supply of these materials can have a catastrophic impact throughout our society and economy. Whether caused by noncompliance, negligence, lack of knowledge, vandalism, terrorism, or act of God, a sudden disruption in the supply of hazardous materials can trigger an adverse chain reaction throughout the nation. The continual supply of vital chemicals, raw materials and finished consumer, industrial and energy products are essential to our quality of life and the strength of our economy.

Hazardous materials incidents, by their nature, are more likely to cause evacuations, road closings, and damage to transportation infrastructure. The resulting costs associated with repair, congestion, loss of revenue, disruption of supply chains and lost productivity can be significant and are not typically factored in the reported costs of hazardous materials releases. PHMSA plays an indirect, but broad role, in combating such nonrecurring congestion by working to minimize the likelihood of incidents and helping to minimize the consequences of the incidents that do occur.

Seeing rapid changes in both the volume and nature of hazardous materials, PHMSA has taken an enterprise approach in working to develop advanced, 21st century solutions to facilitate their safe, secure transportation nationally and internationally. New packaging technologies; GPS tracking of very hazardous materials; and safe transportation of new materials, technologies and products, are all vital to the goals of safety, security and energy independence.

DOT's comprehensive national safety program includes the following activities:

- Identifying and evaluating safety risk by collecting and analyzing data on hazardous materials transportation incidents, and sponsoring research and technology projects to improve transportation safety and efficiency;
- Issuing and enforcing regulations to ensure safe domestic and international movement of hazardous materials; working with other DOT operating administrations to help them administer their hazmat safety programs effectively; to support the integrity of hazmat shipments; educating, training, and providing technical assistance to government and industry personnel involved with assuring the safe transportation of hazardous materials;
- Maintaining a visible and effective enforcement presence in the hazmat community, including shippers, carriers, freight forwarders, cylinder retesters, and other entities regulated under the Hazardous Materials Regulations (HMR); and
- Assisting states and localities with emergency response planning and training.

Risk-based, Data-driven Solutions

DOT uses information to guide program planning and help identify the most serious risks. DOT's hazardous materials research and development program provides the technical and analytical foundation necessary to support regulation development, international standards harmonization, compliance and enforcement strategies, and emergency response planning and training. PHMSA maintains historical data on hazardous materials incidents, and we continue to expand our information sources. These include data from other DOT modes, other Federal agencies and cooperative efforts with business and employee organizations that promote safety. We also invest in state-of-the-art tools to access, mine and analyze data.

The DOT operating administrations conduct research activities specifically related to their transportation modes. PHMSA's research and development efforts include projects related to information systems, data collection and analysis; risk analysis; assessment of new technologies; and packaging testing to ascertain compliance with the HMR. PHMSA awarded a contract to the National Academies to initiate a four-year pilot of a Hazardous Materials Cooperative Research Program (HMCRP). The HMCRP is intended to be a stakeholder-driven, problem-solving, practically-oriented, near-to mid-term research and development program advancing current knowledge and practice relating to hazardous materials transportation.

PHMSA is consolidating all DOT hazmat enforcement, registration, special permits and approvals data, as well as data from other Federal, state, and local agencies, and private sector data in a data warehouse. The new system—the Hazardous Materials Intermodal Portal—will be accessible to other DOT and non-DOT federal enforcement programs to identify threats for further action. A pilot program to determine the feasibility of such a system has been completed successfully.

Integrity Management

PHMSA's integrity management program mission is to ensure that hazardous materials shipment standards are maintained from the time each of the 800,000 daily shipments are

packaged and introduced into the system; through initial loading; through a series of transfer points that may involve several transportation modes; and through the final unloading at its destination. Each of these steps involves different entities—shippers, carriers, freight forwarders—with unique risk profiles. Any failure, at any time, during transportation can result in serious—sometimes catastrophic—consequences. PHMSA addresses these threats to public safety through an integrated set of regulatory tools, including: setting safety standards; granting special permits to speed the introduction of innovative technologies that enhance hazmat safety; qualifying third parties to license cylinder retesters and packaging manufacturers; informing the affected parties of the requirements of the regulations; monitoring the performance of the hazmat transportation system; and identifying vulnerabilities. Integrity management consists of: developing safety standards, informing the regulated community of the safety standard requirements; inspecting hazmat shippers, carriers, packaging manufacturers and citing them when violations are discovered; and supporting planning and training of emergency responders, if there are unplanned releases of hazmat.

Safety Standards Development: The HMR cover hazardous materials definitions and classification, hazard communication, shipper and carrier operations, and packaging and container specifications. In addition, the HMR prescribe training requirements for persons who prepare hazardous materials for shipment or transport hazardous materials. The HMR are designed to achieve three goals:

- (1) To ensure hazardous materials are packaged and handled safely during transportation and to minimize the consequences should an incident occur;
- (2) To enhance efficiency by maintaining harmonization with the regulations of international bodies, while maintaining safety standards; and
- (3) To provide effective communication for shippers and carriers and emergency responders of the hazards of the materials being transported.

International Activities: DOT represents the U.S. at meetings of international standards-setting organizations concerned with the safe transportation of hazardous materials with the goal of promoting a uniform global approach to the safe transportation of hazardous materials. PHMSA's participation is essential to assure U.S. policy and practices are considered in the development of any international standard and to safeguard U.S. economic interests. PHMSA is committed to promoting the adoption of safety provisions and requirements within international standards and regulations consistent with the high standards specified in the HMR. In 2005 and 2006, the Department participated in numerous international meetings and activities, including: the United Nations (UN) Committee of Experts on the Transport of Dangerous Goods and Globally Harmonized System of Classification and Labeling Chemicals; the International Civil Aviation Organization (ICAO); the International Maritime Organization (IMO); the International Atomic Energy Agency (IAEA) Technical Committee on the Revision of International Regulations for the Safe Transport of Radioactive Materials; the International Standards Organization (ISO); the Land Transportation Standards Subcommittee established under the North American Free Trade Agreement; and the Chemicals Group and Management Committee of the Organization for Economic Cooperation and Development.

Training and Information Dissemination: The Hazardous Materials Safety Assistance Team (HMSAT) trained more than 2,000 state and local officials in 2005 and 2006. The HMSAT conducted 18 workshops and 480 training sessions under the State and Local Education (SALE) program and provided hands on compliance assistance visits in 42 states. The team supported the DOT modal administrations in their efforts to train state enforcement personnel and participated with the Commercial Vehicle Safety Alliance, the Cooperative Hazardous Materials Enforcement Development (COHMED) and other organizations to enhance inspector training through the North American Standard Inspector training program. The team also participated in and provided hazardous materials technical assistance for the national commercial vehicle inspector training curriculum, and conducted training specific to cylinders, infectious substances, explosives, use of the Emergency Response Guidebook (ERG), hazardous materials security requirements, and other specialized hazardous materials topics.

Compliance, Inspection and Enforcement: PHMSA's Office of Hazardous Materials Enforcement (OHME) is structured to address specific weaknesses in the hazmat transportation system, as identified in our analyses of performance. Data-driven, risk-based targeted inspection and enforcement enhance PHMSA's capabilities to achieve its safety goals. PHMSA's inspectors maintain a visible and effective presence in the hazmat community, including with shippers, carriers, freight forwarders, cylinder retesters, and other entities regulated under the HMR. PHMSA works in tandem with other DOT modal agencies and other Federal agencies that have a role in hazmat enforcement such as DHS' Customs and Border Protection (CBP), United States Coast Guard and Transportation Security Administration; supports State and local agencies with their hazardous materials enforcement missions; and participates in cooperative activities with our regulated community.

Compliance and enforcement activities are key components of DOT's effort to reduce accidents, deaths, injuries, and property damage that can result from unsafe operations by companies or individuals who ship or transport hazardous materials, or manufacture, or maintain hazardous materials containers and packagings. As a result of inspections conducted by DOT's staff of full and part-time inspectors, DOT issued 9,000 warning letters and 5,000 tickets in 2005 and 2006. During the same period, DOT also closed 17,000 civil penalty actions and collected \$33.5 million in total penalties.

Emergency Preparedness and Response

During a crisis, the need to respond quickly is critical. Following a response, it is important to return to pre-crisis conditions as quickly as possible. PHMSA supports emergency operations during times of local crises within its areas of expertise. PHMSA provides real-time support to facilitate hazmat incident response. During some recent crises, including Hurricane Katrina and 9/11, PHMSA issued special permits to allow the immediate removal of hazardous materials debris and to facilitate the transport of vital supplies into and from the disaster area around the clock. PHMSA also provides technical support to facilitate the safe removal of hazardous materials under crisis conditions.

PHMSA has operational responsibility for the Hazardous Materials Registration Program and the Hazardous Materials Emergency Preparedness (HMEP) grants program. Certain shippers and carriers are required by law to register and pay an annual fee. Fees collected are used to fund emergency preparedness grants to states, territories, and Native American tribes to enhance emergency response programs. In the years 2005 and 2006, a total of 63,315 registrants paid fees of \$28,770,000. Of this amount, \$27,151,000 was awarded to states, territories, and Native American tribes for emergency response planning and training and to support other activities related to emergency response. The remaining amount was used to defray PHMSA's costs of administering the program.

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CHAPTER 1 Risk-based, Data-driven Solutions

PHMSA's Office of Hazardous Materials Safety maintains the Hazardous Materials Information System (HMIS), a server-based Oracle system that integrates business, analytical, and intelligence tools, while streamlining data input/output, and enhancing data quality. This system is the primary source of safety data related to hazardous materials transportation. It contains comprehensive information on incidents, special permits and approvals, enforcement actions, and other elements that support the regulatory program.

The HMIS is used by DOT, other Federal agencies, state and local governments, industry, researchers, the media, and the public. PHMSA responded to 325 requests for HMIS data in 2005, and 493 requests in 2006. HMIS data support regulatory evaluation and policy making, training programs, a better understanding of hazardous materials transportation incidents, and identification of possible safety problems. HMIS has menu-driven programs used by state and local governmental agencies. These functions permit generation of additional summary statistical reports, expand the search criteria, and give the ability to sort records before printing. Other system and database modifications improved HMIS information storage and retrieval capabilities.

PHMSA is consolidating all DOT hazmat enforcement, registration, special permits and approvals data, as well as data from other Federal, state, and local agencies, and private sector data in a data warehouse. The new system—the Hazardous Materials Intermodal Portal—will be accessible to other DOT and non-DOT federal enforcement programs to identify threats for further action. A pilot program to determine the feasibility of such a system has been completed successfully.

2005 Safety Statistics

In 2005, a total of 15,928 hazardous materials incidents were reported, a slight increase from the 2004 reported incidents. Rail incident reports grew, rising from 661 to 745. In addition, non-bulk water incident reports totaled 1,154 in 2005. Highway incident reports rose by 855 to 14,107 and reported air incidents increased from 661 to 1,684. Examining the incidents by hazard class, flammable-combustible liquids and corrosive materials were involved in the most incidents, accounting for 80 percent of all 2005 incidents. Serious incident reports increased by 28 in 2005 with 517 serious incident reports equaling 3.2 percent of all 2005 incidents.

2006 Safety Statistics

In 2006, a total of 21,035 hazardous materials incidents were reported, a significant increase from the 15,910 reported incidents in 2005. The increase in the number of incidents reported is possibly linked to more aggressive tactics to inform the regulated community of the reporting requirement. In 2006, fewer of the incidents were serious in nature. The number of reported highway incidents increased to 17,150. Reported air incidents increased from 755 to 2,411. Both trends continue to reflect efforts by PHMSA, FMCSA, and FAA to improve carriers' awareness of the reporting criteria. Rail incidents and non-bulk water incidents remained essentially unchanged. Examination of the incident

reports by hazard class indicates that flammable combustible liquids and corrosive materials were involved in the most incidents, accounting for 75 percent of all 2006 incidents. Serious incident reports declined by 47 in 2006 to 470 serious incidents, equaling 2 percent of all 2006 incidents.

Table 1. Hazardous Materials Incidents by Mode 2005.

Mode	Incidents	Hospitalized	Non-Hospitalized	Fatalities	Damages	Percent of Total Incidents
Air	1,54	41	37	0	\$198,316	10%
Highway	13,460	33	146	24	\$40,141,241	84%
Rail	745	99	594	10	\$15,454,556	6%
Water	69	0	0	0	\$114,000	1%
Total	15,928	173	777	34	\$55,908,113	

Table 2. Hazardous Materials Incidents by Mode 2006.

Mode	Incidents	Hospitalized	Non-Hospitalized	Fatalities	Damages	Percent of Total Incidents
Air	2,411	0	2	0	\$670,521	12%
Highway	17,150	21	171	6	\$58,966,210	83%
Rail	704	9	15	0	\$10,739,810	5%
Water	130	0	15	0	\$104,226	1%
Total	21,395	30	203	6	\$70,480,767	

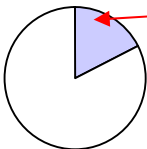
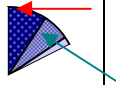
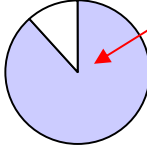
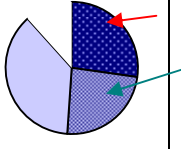
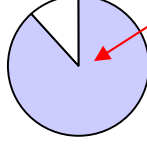
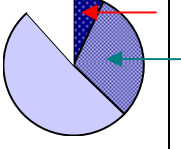
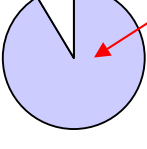
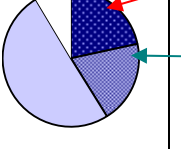
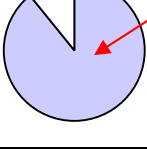
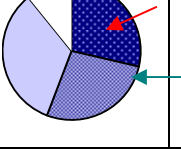
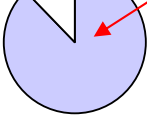
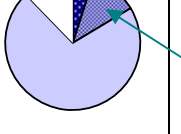
Table 3. Hazardous Materials Serious Incidents by Cause and Mode.

Cause*	Air		Highway		Rail		Water	
	2005	2006	2005	2006	2005	2006	2005	2006
Broken Component or Device	1	0	9	10	9	0	0	0
Defective Component or Device	2	0	17	14	10	1	0	0
Deterioration or Aging	0	0	10	9	1	9	0	0
Human Error	3	4	67	64	4	4	1	0
Impact with Sharp or Protruding Object	0	3	13	5	3	2	0	0
Improper or Inadequate Preparation for Transportation	3	2	7	13	2	5	0	0
Overfilled	0	0	15	7	1	6	0	0
Rollover Accident	0	0	105	84	1	0	0	0
Vehicular Crash/Derailment	0	0	66	58	17	2	0	0
Cause Not Reported	2		78	67	21	19	1	1
Other Reported Causes	12	11	63	78	39	32	1	1

*There may be more than one cause for each incident.

The following example illustrates how intensive data analysis was employed to characterize the relative risks posed by activities related to loading and unloading bulk cargo in the rail and highway modes.

For Trucking and Rail modes:

Bulk hazmat accounts for ...		Loading/unloading accounts for ...	
	17% of reported incidents Any incident meeting the reporting criteria.		Over half of bulk hazmat incidents, and may be a factor in up to 40% of bulk enroute and storage incidents (not including accidents or derailments).
	88% of serious incidents Incidents involving death, major injury, fire, explosion, evacuation, or several other defined outcomes.		31% of serious incidents (bulk) and may be a factor in up to 27% of these serious incidents enroute or in storage.
	88% of fatal incidents and all incidents with multiple fatalities.		8% of fatal incidents involving bulk and may be a factor in up to 34% of fatal incidents involving bulk enroute or in storage.
	91% of major injuries requiring hospitalization – about 64 per year on average.		24% of major injuries involving bulk And may be a factor in up to 21% of major injuries involving bulk enroute or in storage.
	89% of evacuations (# people) about 17,000 people/year, and 76% of the number of separate evacuations.		32% of people evacuated for serious bulk incidents And may be a factor in up to 31% of people evacuated for bulk incidents enroute or in storage.
	88% of the reported dollar damage from incidents about \$80M per year average.		6% of the dollar damage from bulk incidents And may be a factor in up to 13% of dollar damage from bulk incidents enroute or in storage.

Source: DOT/PHMSA Incident Data (2004-2006) from HMIS, as of Jan. 9, 2007

CHAPTER 2 Integrity Management

PHMSA's integrity management program mission is to ensure that hazardous materials shipment standards are maintained from the time each of the 800,000 daily shipments is packaged and introduced into the system; through initial loading; through a series of transfer points that may involve several transportation modes; and through the final unloading at its destination. PHMSA utilizes an enterprise approach, seeking to involve all affected parties—shippers, carriers, freight forwarders—with unique risk profiles. Any failure at any time during transportation can result in serious—sometimes catastrophic—consequences.

PHMSA addresses these threats to public safety through an integrated set of tools, including setting safety standards; informing the affected parties of the requirements of the regulations; monitoring the performance of the hazmat 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.

Safety Standards Development

The HMR are designed to achieve three goals:

- Ensure hazardous materials are packaged and handled safely and securely during transportation;
- Provide effective communication to transportation workers and emergency responders of the hazards of the materials being transported; and
- Minimize the consequences of an incident should one occur.

The hazardous materials regulatory system 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. We collect and analyze data on hazardous materials – incidents, regulatory actions, and enforcement activity – to determine the safety and security risks associated with the transportation of hazardous materials and the best ways to mitigate those risks. Under the HMR, hazardous materials are categorized by hazard class and packing group based upon the risks they present during transportation. The HMR specify appropriate packaging and handling requirements for hazardous materials, and require shippers to communicate the material's hazards through use of shipping papers, package marking and labeling, and vehicle placarding. The HMR also require shippers to provide emergency response information applicable to the specific hazard or hazards of the material being transported. 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 HMR also include operational requirements applicable to each mode of transportation.

In assessing the need for changes to the regulations, PHMSA continuously monitors the safety performance of the transportation system, including incident and accident reports, recommendations from the National Transportation Safety Board, 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. We also evaluate requests for new or amended regulations received from the general public, the regulated industry, other government agencies, and DOT's modal administrations.

Following are the highlights of PHMSA's hazardous materials regulatory program for 2005-2006:

- PHMSA published 55 rulemaking documents. Appendix A summarizes each notice of proposed rulemaking (NPRM) and final rule (FR).
- PHMSA issued 210 new special permits and renewed 3,627 special permits. A special permit allows a company or individual to package or ship a hazardous material in a manner that differs from the HMR as long as an equivalent level of safety is maintained. Special permits allow the industry to quickly implement new technologies and to evaluate new operational techniques that often enhance safety and increase productivity.
- PHMSA issued 12,569 approvals to allow companies or individuals to ship certain materials or to perform inspection or testing activity after having met the standards specified in the HMR. By issuing approvals, PHMSA assures the high level of safety required by the HMR is maintained.
- PHMSA registered 108 packaging manufacturers and requalifiers. The registration program provides an inventory of persons who perform critical safety functions under the HMR.
- The Hazardous Materials Information Center answered 58,992 telephone inquiries from government agencies, industry and the general public.

The following final rules, enhancing hazardous materials transportation safety, are of particular interest:

PHMSA-06-25476 (HM-215I): Harmonization with the UN Recommendations, International Maritime Dangerous Goods Code, and International Civil Aviation Organization's Technical Instructions

PHMSA updated the HMR to incorporate recent revisions to the International Maritime Dangerous Goods Code, the International Civil Aviation Organization's Technical Instructions for the Safe Transport of Dangerous Goods by Air, and the UN Recommendations on the Transport of Dangerous Goods (TDG). Harmonization serves to facilitate international transportation, while ensuring the safety of people, property, and the environment by reducing the potential for confusion and misunderstanding that could result

if shippers and transporters were required to comply with two or more conflicting sets of regulatory requirements.

PHMSA-2005-17463 (HM-220E); Hazardous Materials: Requirements for UN Cylinders

In a final rule published June 12, 2006, PHMSA adopted standards for the design, construction, maintenance and use of cylinders and other pressure receptacles based on the standards contained in the UN Recommendations on the TDG. The new standards promote greater flexibility and permit the use of advanced technology for the manufacture of pressure receptacles, provide for a broader selection of pressure receptacles, reduce the need for special permits, and facilitate international commerce without sacrificing the current level of safety and without imposing undue burdens on the regulated community.

PHMSA-03-14405 (HM-220F); Hazardous Materials: Aluminum Cylinders Manufactured of Aluminum Alloy 6351-T6 Used in SCUBA, SCBA, and Oxygen Services--Revised Qualification and Use Criteria

The final rule establishes an inspection and testing program for early detection of cracking on cylinders manufactured of aluminum alloy 6351-T6 and used in self-contained underwater breathing apparatus (SCUBA), self-contained breathing apparatus (SCBA), and oxygen services. Cylinders made of aluminum alloy 6351-T6 are susceptible to cracking in the neck and shoulder area of the cylinder. The cracking can result in catastrophic cylinder failures.

PHMSA-2004-16895 (HM-226A); Hazardous Materials: Infectious Substances; Harmonization with the UN Recommendations

PHMSA harmonized domestic requirements for the transportation of infectious substances with international transportation standards that are easier to use and impose a high level of safety appropriate to the degree of risk and conditions of transport.

RSPA-2004-18795 (HM-237); Hazardous Materials: Requirements for Lighters and Lighter Refills

PHMSA amended requirements in the HMR pertaining to the examination, testing, certification, and transportation of lighters and lighter refills. This action clarified regulatory requirements and, where appropriate, decreased the regulatory burden, while continuing to provide for the safe transportation of lighters and lighter refills in commerce.

PHMSA-2005-22208 (HM-240); Hazardous Materials: Incorporation of Statutorily Mandated Revisions to the Hazardous Materials Regulations

This rule revised terminology, definitions, and requirements for consistency with the Hazardous Materials Safety and Security Reauthorization Act of 2005. These amendments include revising the definitions of “hazmat employee” and “hazmat employer;” revising shipping paper retention requirements; providing a security plan exception for farmers; adding conditional applicability of postal laws and regulations; and replacing the term “Exemption” with “Special Permit.”

Transportation Security Administration: Rail Transportation Security

PHMSA published a Notice of Proposed Rulemaking proposing to revise the current requirements in the HMR applicable to the safe and secure transportation of hazardous materials transported in commerce by rail. This rule proposed to codify the scope of TSA's existing inspection program and to require regulated parties to allow TSA and DHS officials to enter, inspect, and test property, facilities, and records relevant to rail security. This rule also proposed that regulated parties designate rail security coordinators and report significant security concerns to DHS. This proposal would allow TSA to enhance rail security by coordinating its activities with other Federal agencies, which would also avoid duplicative inspections and minimize the compliance burden on the regulated parties. This proposed rule is intended to augment existing rail transportation laws and regulations that the DOT administers.

RSPA-04-18730 (HM-232E); Hazardous Materials; Enhancing Rail Transportation Safety and Security for Hazardous Materials Shipments

PHMSA, in consultation with FRA and TSA, proposed to revise the current requirements in the HMR applicable to the safe and secure transportation of hazardous materials transported in commerce by rail in a notice of proposed rulemaking published on December 21, 2006. Specifically, we proposed to require rail carriers to compile annual data on specified shipments of hazardous materials, use the data to analyze safety and security risks along rail transportation routes where those materials are transported, assess alternative routing options, and make routing decisions based on those assessments. We also proposed clarifications of the current security plan requirements to address en route storage, delays in transit, delivery notification, and additional security inspection requirements for hazardous materials shipments.

PHMSA-06-25885 (HM-232F); Hazardous Material: Revision of Requirements for Security Plans

PHMSA published an advance notice of proposed rulemaking (ANPRM) regarding revisions to the list of hazardous materials that require development and implementation of a security plan to address security risks during transportation in commerce. This effort is being coordinated with other DOT modal administrations (FAA, FMCSA, and FRA) and TSA. The revisions would address outstanding petitions requesting that certain materials be excepted from the security plan requirements.

International Activities

DOT continues to support a uniform, global approach to the safe transportation of hazardous materials through participation in the following international organizations: the UN Committee of Experts on the Transport of Dangerous Goods and Globally Harmonized System of Classification and Labeling Chemicals; the International Civil Aviation Organization (ICAO); the International Maritime Organization (IMO); the International Atomic Energy Agency (IAEA) Technical Committee on the Revision of International Regulations for the Safe Transport of Radioactive Materials; and the International Standards Organization (ISO). DOT represents the U.S. at working sessions, providing leadership and support in the development of international hazardous materials transportation standards. DOT advocates for the adoption of safety provisions and requirements within international standards and regulations consistent with the high standards specified in the HMR. The U.S. objective is to promote a worldwide system that affords the necessary consistency between modal and regional regulations that will guarantee the free movement of shipments. Participation is essential to assure that U.S. policy and practices are considered in the development of any international standard and to safeguard economic interests of the domestic industry. Adoption of inequitable or incompatible international requirements could have a serious impact on domestic industries which have consistently generated a balance of trade surplus.

PHMSA's Office of Hazardous Materials Safety's Office of International Standards hosts public meetings prior to each UN Subcommittee meeting and prior to each ICAO Dangerous Goods Panel Meeting (DGP). In addition, public meetings are held in cooperation with the USCG prior to each IMO Dangerous Goods, Solid Cargoes and Containers Sub-committee (DSC) meeting. The public is invited to attend these meetings and to comment on the proposals submitted to the UN Subcommittee, the ICAO DGP, and the IMO DSC. Details regarding upcoming public meetings are available at: http://hazmat.dot.gov/regs/intl/intnl_pubmeet.htm.

United Nations Committee and Subcommittee of Experts on the Transport of Dangerous Goods (UN COE and SCOE)

The UN SCOE is composed of representatives from many countries around the world. The organization meets twice a year to discuss and ratify changes to the UN Model Regulations on the TDG. The UN Model Regulations were developed as a tool to promote consistency in international hazardous materials regulations worldwide. While they are not legally binding, they are used as a basis for the international regulations, and the national regulations of many countries including the U.S. More information regarding the UN Model Regulations may be found at: <http://hazmat.dot.gov/regs/intl/untdg.htm>.

The UN TDG Subcommittee met four times during the 2005-2006 biennium and addressed a number of issues.

The primary topics addressed during the 2005-2006 biennium included: transport of gases; explosives (Test series 8); listing and classification; packaging; limited quantities and consumer commodities; cooperation with IAEA; improvement of hazard communication;

and guiding principles. The guiding principles will be used by members of the Subcommittee to ensure adoption of future requirements.

ICAO Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO TI)

Virtually all shipments of hazardous materials transported internationally by air, as well as most domestic U.S. shipments, are transported in accordance with the ICAO TI. The HMR authorize transport in accordance with the ICAO TI provided all of the conditions of 49 CFR § 171.11 are met. A good understanding of 171.11 is essential to ensure compliance with these conditions is achieved. However, shipments made in accordance with the ICAO TI remain subject to Part 175 of the HMR and the emergency response information provisions of subpart G of Part 172.

International Maritime Dangerous Goods Code (IMDG Code)

The International Maritime Organization Dangerous Goods and Solid Cargoes Subcommittee (IMO DSC) is responsible for revisions to the IMDG Code, which contains regulations applicable to the transport of dangerous goods by sea. If all or part of a shipment of hazardous materials is made by vessel to, from, or within the U.S., the HMR allow the shipment to be made in accordance with the IMDG Code, provided certain additional provisions are satisfied. These additional provisions are found in 49 CFR § 171.12.

Discretionary Actions

PHMSA grants special permits and approvals on a case-by-case basis for unusual shipping situations and technological advances that are otherwise not addressed in existing regulations.

Special Permits: The Federal hazmat law grants DOT authority to relieve a person from a regulatory requirement by issuing special permits, provided equivalent levels of safety or levels of safety consistent with the public interest are achieved. The need for special permits arises from the changing nature of hazardous materials and the methods by which they are transported. Special permits are vital to industry, allowing it to quickly implement new technology and to evaluate new operational techniques that often increase productivity and enhance safety.

Within PHMSA, the Associate Administrator for Hazardous Materials Safety directs DOT's special permit program. The program permits shippers, carriers, and packaging manufacturers to apply for special permits that allow them to utilize packaging methods or shipping practices other than those prescribed in the regulations. The special permit process includes the evaluation of new applications, modifications and renewals of special permits, and requests to become "parties to" existing special permits. In addition, PHMSA issues emergency special permits to accommodate special circumstances.

After evaluation and public comment, PHMSA issues a special permit if the proposed practices achieve a level of safety at least equal to the level of safety that would be required

by the HMR. If the HMR do not set a level of safety, the special permit must be consistent with the public interest and the Federal hazmat law. In the latter case, substantiation is required in the form of an analysis that identifies each hazard, potential failure modes and their probability of occurrence, and control of risks associated with each hazard and failure mode.

PHMSA periodically converts provisions contained in certain special permits to regulations of general applicability after their safety has been verified through experience. This is accomplished through the rulemaking process. These conversions authorize the entire regulated industry to use containers or practices previously authorized only under special permits.

Appendix B contains a brief summary of active special permits, and the reason for granting or maintaining the special permit.

**Table 4. Special Permits.
Routine Special Permits 2005 Applications**

<i>Mode</i>	<i>New</i>	<i>Renewal</i>	<i>PTS*</i>	<i>Mods**</i>	<i>Total</i>	<i>Granted</i>
Motor Vehicle	46	558	315	39	958	911
Rail Freight	8	205	69	6	288	283
Cargo Vessel	3	33	6	4	46	44
Ferry Vessel	0	0	0	0	0	0
Cargo Aircraft	6	32	7	4	49	43
Passenger Aircraft	0	6	1	1	8	8
Intermodal	54	1,113	177	70	1,414	1,345
Total	117	1,947	575	124	2,763	2,634

Routine Special Permits 2006 Applications

<i>Mode</i>	<i>New</i>	<i>Renewal</i>	<i>PTS*</i>	<i>Mods**</i>	<i>Total</i>	<i>Granted</i>
Motor Vehicle	28	624	349	33	1,034	997
Rail Freight	9	199	112	5	325	257
Cargo Vessel	0	22	3	2	27	26
Ferry Vessel	1	0	0	0	1	0
Cargo Aircraft	3	32	25	5	65	59
Passenger Aircraft	3	10	2	2	17	16
Intermodal	49	793	247	69	1,158	1,099
Total	93	1,680	738	116	2,627	2,454

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

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

Emergency Special Permits 2005-2006

<i>Mode</i>	<i>Applications</i>		<i>Granted</i>	
	2005	2006	2005	2006
Motor Vehicle	17	19	17	18
Rail Freight	1	1	1	1
Cargo Vessel	1	1	1	1
Ferry Vessel	0	0	0	0
Cargo Aircraft	6	5	5	5
Passenger Aircraft	2	2	1	2
Intermodal	12	11	12	9
Total	39	39	37	36

Approvals. PHMSA performs discretionary review of classification, packaging, and handling of certain hazardous materials and of the manufacturing, inspection, retesting, and requalification of specification containers. An approval is an authorization that permits a person to ship certain materials or to perform inspections or testing activities if that person has met the standards in the regulations. By issuing an approval, PHMSA ensures that a proper level of safety will be maintained. Requests are denied when an approval is not justified or adequate information is not provided.

PHMSA issues approvals for items such as new explosives and cigarette lighters and their packaging. Approvals are also issued to foreign cylinder manufacturers, third party certification packaging agencies, and independent domestic and foreign inspection agencies. The terms and conditions of these authorizations are too detailed to be included in the regulations due to the variety of packaging and handling practices used by the industry. For example, the regulations require that new explosives be examined and approved before being transported. The class of the explosive, which is based upon the criteria stated in the definition of explosives in the HMR, dictates how the item should be shipped.

Approvals are also issued for UN Third-Party Certification Agencies for the purpose of certifying conformance of packaging designs with current regulations. Each agency must complete a written application and demonstrate the capabilities of its personnel and equipment during an on-site inspection.

To ensure that safety standards are maintained regardless of product origin, PHMSA conducts inspections at cylinder manufacturers, independent inspection agencies, and cylinder requalification (retester) facilities in foreign countries. This program gives foreign manufacturers access to the U.S. market while maintaining the same safety standards required of U.S. manufacturers.

Registrations. PHMSA issues registrations to packaging manufacturers and requalifiers as a means of identification. The registration program provides an inventory of persons performing critical safety functions under the regulations. Among those entities registered are packaging manufacturers, cargo tank manufacturers and inspectors, drum reconditioners, and cylinder retest facilities.

Table 5. Approvals 2005-2006

<i>Application Type</i>	<i>Received*</i>		<i>Granted**</i>	
	2005	2006	2005	2006
Competent Authority ¹	400	343	333	376
Cylinder Rebuild/Repair	0	1	0	1
Cylinder Retesters	1,296	967	1,297	1,037
Explosive	6,196	6,439	1,343	7,891
Lighter	122	173	108	183
Total	8,014	7,923	3,081	9,488

Registrations Activities 2005-2006.

<i>Application Type</i>	<i>Received*</i>		<i>Granted**</i>	
	2005	2006	2005	2006
M Number ²	67	50	64	44

*Applications that are terminated by the applicant or returned for further clarification are not included. The figures reflect those applications completed, pending minor technical correction or are awaiting processing.

**Figures may include application which were received in previous years, but processed in the year indicated.

¹ The HMR provide authorizations or relief from the requirements through special approvals or competent authority approvals when specifically cited in the Regulations. Competent Authority approvals are those that were applied for under provisions which state: "when approved by the Competent Authority of the United States."

² Manufacturer's Symbols - A symbol or "M Number" is issued to a company as a means of identification. Under certain regulations, the M number must be used solely as the identifier on a package, for example DOT 39 non-refillable cylinders, 49 CFR 178.65(i)(2). However, other regulations allow the manufacturer to use either the symbol or their name and address as specified in 49 CFR 178.3(a)(2).

Table 6. Cylinder Requalification Facilities*

<i>Domestic</i>			
Alaska	49	New Hampshire	56
Alabama	209	New Jersey	146
Arkansas	166	New Mexico	107
Arizona	115	Nevada	49
California	438	New York	347
Colorado	181	Ohio	341
Connecticut	57	Oklahoma	167
Delaware	21	Oregon	99
Florida	654	Pennsylvania	383
Georgia	225	Rhode Island	20
Hawaii	32	South Carolina	150
Iowa	335	South Dakota	79
Idaho	72	Tennessee	194
Illinois	346	Texas	664
Indiana	248	Utah	55
Kansas	236	Virginia	201
Kentucky	164	Vermont	53
Louisiana	113	Washington	155
Massachusetts	99	Wisconsin	368
Maryland	89	West Virginia	66
Maine	76	Wyoming	60
Michigan	336		
Minnesota	347	American Samoa	1
Missouri	388	Guam	1
Mississippi	110	Marshall Islands	1
Montana	85	Puerto Rico	18
North Carolina	410	Virgin Islands of the U.S.	5
North Dakota	93	Total	9,659
Nebraska	179		

Table 6. Cylinder Requalification Facilities*

*Foreign**

Australia	1	Israel	1	Switzerland	1
Austria	1	Italy	2	Taiwan	1
Belgium	1	Japan	6	Turkey	1
Canada	7	Korea (South)	2	United Kingdom	8
Denmark	2	Kuwait	1	Virgin Islands (British)	1
Finland	1	Mexico	3	Total	58
France	6	Netherlands	3		
Greece	1	Singapore	6		
Hungary	1	Spain	1		

*Including Visual Retesters

Initiatives and Training

Training: Training and education are an integral part of both the hazardous materials regulatory program and DOT's responsibility to ensure the safe and secure handling of hazardous materials in transportation. DOT has developed a comprehensive educational program to assist industry, Federal inspectors, state/local law enforcement officers, emergency responders, and emergency management personnel. The program has three purposes:

- To promote hazardous materials compliance by informing public and private sector personnel of the principles and application of DOT's regulatory program.
- To encourage uniform enforcement of the hazardous materials regulations by Federal, state, and local enforcement personnel.
- To enhance emergency preparedness and response by state and local personnel through training information and programs on the risks, implications, and or consequences of emergencies involving the transportation of hazardous materials.

PHMSA develops and disseminates hazardous materials training programs, through:

- Hazardous Materials Transportation Training Modules – approximately nine hours of general awareness, browser-based training on CD-ROM, delivered in nine interactive modules.
- Hazmat Digipack on CD-ROM – includes the most current presentations delivered, all publications included in the Infopack, the Emergency Response Guidebook 2004, General Awareness and Familiarization video, and the HMSAT office locations and contact information.
- Multimodal Seminars and Hazardous Materials Transportation Workshops for both industry and state and local hazmat professionals.

Information Dissemination: An important goal of DOT is to ensure individuals in the transportation community receive the information they need to manage their hazardous materials and emergency response programs in compliance with the HMR. To maximize outreach efforts, DOT uses many methods to disseminate information. PHMSA's Office of Hazardous Materials Initiatives and Training publishes numerous non-copyrighted publications, guides, and charts, and encourages their reproduction and wide distribution. PHMSA also produces and distributes videotapes on a variety of hazardous materials awareness, enforcement, and response subjects. Recipients are encouraged to reproduce and maximize the use of these multimedia training aids. In addition, through PHMSA's Hazmat Safety Homepage on the Internet, DOT provides hazardous materials information that includes copies of the latest rulemakings, special permits, clarifications, downloadable hazmat publication files and training schedules.

During 2005-2006, PHMSA distributed:

- Over 3.1 million publications, videos, and CD-ROMs through our internet-based distribution system.
- Hazardous Materials Employee Resource Book – provides contact information for key U.S. Department of Transportation headquarters, field, and state personnel with hazardous materials responsibilities.
- Over 55,000 InfoPacks and DigiPacks.

Publications:

- *Cylinders: What You Need to Know* – publication created as a guide to HM-220E, which authorizes the design, construction, testing, and use of UN cylinders, tubes, and multiple element gas containers.
- *Transporting Infectious Substances Safely* – publication created as a guide to the changes set forth in Final Rule HM-226A – Infectious Substances; Harmonization with the United Nations Recommendations.
- *Transporting Agricultural Products Safely* – publications created as a guide to agricultural operations and changes set forth in Final Rule HM-240-Incorporation of Statutorily Mandated Revisions to the Hazardous Materials Regulations.
- *Wetlines* – developed in partnership with the National Tank Truck Carriers, Inc. (NTTC), the National Association of State Fire Marshals (NASFM), and the International Association of Fire Chiefs (IAFC), to provide awareness to first responders on the potential danger associated with the transportation of flammable liquids in unprotected product piping, or wetlines, on cargo tank motor vehicles.
- *Hazardous Materials Transportation Safety Infopack* – redesigned kit folder including our current publications and training materials.
- *Hazmat Digipack 5.0, 5.1, 6.0* – an interactive digital guide to the Office of Hazardous Materials Safety; includes PDF files of all publications included in the Infopack, plus the most up-to-date presentations delivered at our Multimodal Seminars and Workshops, an MPEG version of the Hazardous Materials General Awareness and Familiarization video, a digital version of the Emergency Response Guidebook 2004, the Hazmat Transportation Security Awareness Training Module, and the Hazmat Safety Assistance Team office locations and contact information.
- *Emergency Response Guidebook (ERG2008)*: The ERG was published in May, 2008.

Outreach and Partnerships: The Hazardous Materials Safety Assistance Team (HMSAT) promotes hazmat safety and security through its outreach and compliance assistance program. The team developed cooperative outreach activities with the International Association of Fire Chiefs (IAFC), National Association of State Fire Marshals (NASFM) and the National Tank Truck Carriers to improve first responder ability to recognize and

handle incidents involving cargo tank wetlines. During 2005 and 2006, the HMSAT reached nearly 27,300 individuals within the hazmat community –state and local hazmat professionals, emergency responders, law enforcement or transportation workers – by providing on-site outreach and compliance assistance in 42 states, the District of Columbia, and Puerto Rico.

In an effort to enhance voluntary standards and enhance the image of hazardous materials professionals, PHMSA drafted a partnership agreement with the Council on Safe Transport of Hazardous Articles. A second agreement also improves safety with undeclared hazmat shipments originating within the retail industry (warranty items and other materials returned to distributor).

PHMSA sponsored the IAFC's annual hazardous materials conference through funding, technical support, and presentation delivery, and served on a task force with IAFC and the Renewable Fuels Association to revise and enhance the Fire Safety Training Manual. The agency also coordinated with NASFM to include hazmat transportation tasks in a draft revised PHMSA/NASFM Cooperative Agreement. PHMSA collaborated and cooperated with the North American Automotive Hazmat Action Committee to draft a proposed outreach partnership agreement to alert workers to their hazmat shipper responsibilities, provide awareness training, and improve safety within the automotive industry including dealers, technicians and related subcontractors.

Internet Website: PHMSA continues to disseminate hazardous materials information through its Hazmat Safety Homepage on the Internet. The web site includes copies of rulemaking proposals and final regulations; the hazardous materials registration form and guidance; the hazardous materials incident report form and guidance; the Emergency Response Guidebook; upcoming training classes; seminars and conferences; and general information on the program.

Hazardous Materials Information Center: Since 1993, the HMS-operated Hazardous Materials Information Center has offered a single nationwide toll-free telephone service, weekdays from 9:00 a.m. to 5:00 p.m. (Eastern Time). The Center assists shippers, carriers, packaging manufacturers, enforcement personnel, and others in their understanding of requirements in the HMR to maximize voluntary compliance. In addition, the Center staffs the statutorily mandated toll-free number for transporters of hazardous materials, and others, to report possible violations of the HMR or any order or regulation issued under Federal hazmat law. The Center responds to over 29,000 telephonic inquiries per year, an average of 117.5 daily.

Public Meetings and Hearings: PHMSA continually monitors domestic transportation practices and international regulatory developments. The agency evaluates requests received from the general public, regulated industry, other government agencies, and DOT's modal administrations to determine the need for new or amended regulations. Amendments are also issued to address specific safety problems and to incorporate new technology. There are times during the rulemaking process when a number of comments and special permit applications will raise issues for which additional input is needed. A public meeting or hearing is then scheduled to gain more detailed information on the regulatory action.

PHMSA also schedules hearings when it is aware of extensive public interest in its proposed rulemakings.

CHAPTER 3 Compliance and Enforcement

DOT conducts an extensive compliance and enforcement program to provide for the safe movement of hazardous materials among the various modes of transportation. Within DOT, PHMSA coordinates policy on hazardous materials transportation and, in addition to conducting its own enforcement program, cooperates with the enforcement programs directed by FAA, FMCSA, FRA, and USCG. To increase effectiveness, DOT utilizes both headquarters and regional staffs in each administration for compliance and enforcement activities.

PHMSA Enforcement Program

Pipeline and Hazardous Materials Safety Administration Office of Hazardous Materials Enforcement

PHMSA's primary mission under the Federal hazmat laws governing the transportation of hazardous materials is "to protect the Nation adequately against the risks to life and property which are inherent in the transportation of hazardous materials in commerce."¹ PHMSA's inspection and enforcement staff determine compliance with safety, training, and security standards by inspecting entities that: offer hazardous materials for transportation; manufacture, requalify, rebuild, repair, recondition, or retest packaging (other than cargo tanks and tank cars) used to transport hazardous materials; and hold DOT special permits or approvals. PHMSA's hazardous materials inspection and enforcement program is carried out by the PHMSA Office of Hazardous Materials Enforcement (OHME) under the Associate Administrator for Hazardous Materials Safety. OHME also enforces the hazardous materials registration and incident reporting requirements.

The OHME is comprised of a Director, an Enforcement Officer, Special Investigations Unit, and 5 Regional Offices. OHME investigates incidents and complaints, conducts fitness inspections, and conducts routine inspections/investigations of hazardous materials packaging manufacturers, shippers, and carriers. Routine inspections/investigations are based on ranking determined by application of data to a risk model. The Special Investigations Unit conducts investigations in high risk/high emphasis areas such as explosives, radioactive materials, compressed gas cylinder manufacturing, and UN packaging.

PHMSA is in the process of implementing its revised business strategy to focus its resources on companies posing the greatest risk to transportation safety and security. OHME is conducting an extensive review and analysis of internal and external data to prioritize who is inspected and investigated, what actions are required by the regulated entity to bring about compliance, and how OHME reviews relevant data. OHME is targeting serious risks and considering both likelihood and consequence.

¹ 49 U.S.C. § 5101 *et. seq.*

PHMSA and other DOT modal administrations are also coordinating efforts to reduce the number of duplicate or repeat inspection/ investigations. Bulk shipments of hazardous materials generally occur in the rail and highway modes of transportation which are overseen by FRA and FMCSA. Nonetheless, certain non-bulk transportation of high hazard material and hazardous materials by air continues to pose a significant risk. PHMSA, FRA, FMCSA, and FAA are working together to better focus Departmental resources on high risk and high hazard material transportation and shipments of bulk materials.

Intermodal Activities: In 2005 and 2006, PHMSA participated in numerous joint compliance inspections and investigations with FAA, FMCSA, FRA, USCG, and DOT's Office of Inspector General, as well as the FBI, DHS, ATF, U.S. Customs Service, and the Consumer Product Safety Commission. PHMSA provides enforcement and compliance oversight for all areas of the HMR and specializes in the oversight of non-bulk packaging manufacturers, reconditioners, retesters, and rebuilders.

PHMSA continues to develop and expand its cooperative role in hazardous materials enforcement and compliance and continues to reach out and routinely meet with the modal administrations to develop and enhance internal DOT communications. OHME leaders and team members meet on a regular basis with its modal partners to discuss issues of mutual concern and cooperation. OHME is currently developing several major joint enforcement initiatives with our modal partners, including a partnership with the FAA to develop a national inspection and testing protocol for lithium battery shippers and manufacturers. OHME is also working with the FAA to develop inspection and test protocols for air specific hazardous material shippers and package manufacturers.

Ticketing Program: The PHMSA ticketing program streamlines and simplifies its enforcement of certain administrative and safety violations which do not have a direct or major impact on the safe transportation of hazardous materials. Those violations include failure to register, failure to renew special permit authority in a timely manner, failure to retain training records, failure to file a hazardous materials incident report, and certain minor package manufacturing and shipping discrepancies. In 2005, PHMSA issued 506 tickets, closed 435, and collected \$556,476, an average penalty of \$1,279. Through 2006, PHMSA issued 464 tickets, closed 400 tickets, and collected \$551,442, an average penalty of \$1,379 per ticket.

Package Testing: PHMSA continues its national compliance testing program of UN standard packages under an interagency agreement with the U.S. Army Materiel Command (LOGSA) in Tobyhanna, Pennsylvania. In a significant effort to maximize the effectiveness of this program, PHMSA is revising its strategy to focus the compliance testing on trends and patterns of high hazard and high risk activities, including air specific packagings and intermediate bulk containers. Other targeted packagings include those involved in serious incidents of high hazard material and those package designs that present the highest transportation risk. The effort will also utilize revised and improved test reporting and feedback protocols to the package manufacturers, certifiers, and other PHMSA programs to provide "lessons learned" opportunities for compliance and quality control improvement.

The program will be expanded to include the testing of foreign manufactured UN standard packagings used in the United States.

Table 7. Calendar Year Hazardous Materials Enforcement Actions 2005

Enforcement Action	FAA	FMCSA	FRA	PHMSA	USCG
Civil Penalty Actions Initiated	3,875	381	1031	427	10,428
Civil Penalty Actions Closed	6,595	379	833	305	3,592
Ticket Actions Initiated	N/A	N/A	N/A	506	1,833
Ticket Actions Completed	N/A	N/A	N/A	435	1,547
Letters of Warning Issued	N/A	N/A	N/A	98	4,009
Ticket Penalties Collected	N/A	N/A	N/A	\$556,476	\$1,331,375
Average Ticket Penalty	N/A	N/A	N/A	\$1,279	\$370
Total Civil Penalties Collected	\$6,726,730	\$1,988,165	\$2,363,790	\$1,818,084	\$3,397,610
Average Civil Penalty	--	--	\$2,838	\$5,961	\$352
Total Penalties	\$6,726,730	\$1,988,165	\$2,363,790	\$2,374,560	\$4,728,985

Calendar Year Hazardous Materials Enforcement Actions 2006

Enforcement Action	FAA	FMCSA	FRA	PHMSA	USCG
Civil Penalty Actions Initiated	2,339	491	1243	298	9,899
Civil Penalty Actions Closed	2,479	474	1009	542	897
Ticket Actions Initiated	N/A	N/A	N/A	464	2,294
Ticket Actions Completed	N/A	N/A	N/A	400	1,861
Letters of Warning Issued	N/A	N/A	N/A	261	4,580
Ticket Penalties Collected	N/A	N/A	N/A	\$551,442	\$1,790,750
Average Ticket Penalty	N/A	N/A	N/A	\$1,379	\$962
Total Civil Penalties Collected	\$4,935,730	\$2,673,894	\$2,962,935	\$2,209,522	\$283,025
Average Civil Penalty	--	--	\$2,937	\$4,077	\$315
Total Penalties	\$4,935,730	\$2,673,894	\$2,962,935	\$2,760,964	\$2,073,775

Table 7 continued.
Hazardous Materials Inspections and Investigations 2005-2006

Inspections and Investigations	FAA		FMCSA		FRA		PHMSA		USCG	
	2005	2006	2005	2006	2005	2006	2005	2006	2005	2006
Inspection & Investigations							24	32		
General Carriers	3,082	3,120	2,427	3,749	5,377	6,516	1,250	1,052	198	203
General Shippers	6,826	6,780	389	402	2,844	3,031	7	6	N/A	N/A
Bulk Packaging (IM Tanks, Railcar, Trailer/Containers)	N/A	N/A	----	----	91,106	115,212	0	0	N/A	N/A
Waterfront Facilities	N/A	N/A	N/A	N/A	586	559	101	120	1,482	1,581
Shipment Observations	N/A	N/A	N/A	N/A			73	83	N/A	N/A
Contain Manufacturers	N/A	N/A	N/A	N/A	102	104	238	254	N/A	N/A
Repair/Retest/ Recondition Facilities	N/A	N/A	98	99	27	50	0	1	N/A	N/A
Accidents & Incidents	20,561	16,733	----	----	369	575	243	166	28	44
Other	10,000	10,000	7,720	9,184	167	805	24	32	N/A	N/A
Total	40,469	36,633	10,634	13,434	100,578	126,852	1,960	1,746	1,708	1,828

Other DOT Modal Enforcement Programs

*Federal Aviation Administration
Office of Security and Hazardous Materials*

Each day, thousands of shipments of hazardous materials are transported by air, many of them placed on passenger aircraft. It is the responsibility of the FAA Hazardous Materials Program under the Assistant Administrator for Security and Hazardous Materials to ensure that such shipments are made safely and in accordance with regulations.

FAA employs over 155 inspectors and support personnel specializing in shipment of hazardous materials by air. These inspectors are trained hazardous materials specialists who have exclusive responsibility for the enforcement of hazardous materials regulations. These inspectors are located in eight regional offices. The main Hazardous Materials Office is headquartered in Washington, DC. FAA inspects air carriers, aircraft repair stations, air freight forwarders, and air shippers of hazardous materials.

Various FAA inspectors concentrate on undeclared or “hidden” shipments of hazardous materials. Data systems have been developed to allow limited resources to focus on the undeclared shipment problem by targeting shippers or carriers who are repeat offenders or who handle materials that present a higher degree of danger.

*Federal Motor Carrier Safety Administration
Office of Hazardous Materials and Field Operations*

FMCSA’s Hazardous Materials Division, within the Office of Enforcement, is responsible for developing hazardous materials policies and guidance for the Offices of Field Operations to address national hazardous materials issues and concerns. The Hazardous Materials Division creates the policies, guidance and enforcement strategies to ensure the Offices of Field Operations uniformly and effectively enforce the HM regulations. The enforcement strategies created by the Hazardous Materials Division ensure the Offices of Field Operations’ resources are used to target hazardous materials areas with the greatest risks to the public.

FMCSA operates four Service Centers and a combined total of 83 Division and field offices, employing over 800 hazardous materials specialists, safety investigators and border inspectors. The hazardous materials program managers and specialists devote their time to hazardous materials enforcement and other hazardous materials program initiatives as well as to the safety education of the motor carrier industry. This staff conducts compliance reviews and provides training to state and local enforcement officials as well as educational and technical assistance to carriers, shippers, cargo tank facilities and manufacturing operations, and other regulated entities.

Motor Carrier Safety Ratings: The Motor Carrier Safety Act of 1984 directed DOT to establish a procedure for determining the safety fitness of motor carriers operating in interstate or foreign commerce. Based on the findings of a compliance review, FMCSA assigns the carrier a safety fitness rating of satisfactory, conditional, or unsatisfactory. If a hazardous materials carrier receives an unsatisfactory rating, the carrier has 45 days to submit corrective action or request a follow-up review. If the carrier does not resolve the issues leading to the unsatisfactory rating, the carrier will not be allowed to transport hazardous materials. During 2006, there were approximately 3,700 compliance reviews conducted on hazardous materials motor carriers.

Special FMCSA Hazardous Materials Enforcement Efforts

General Hazardous Materials Technical Assistance Group: FMCSA developed the Technical Assistance Groups (TAGs) concept comprised of a core of individuals considered subject matter experts. Subjects include: Radioactive Materials, Security, Explosives, Cylinders and Hazardous Waste. The TAGs develop training and outreach materials in addition to reviewing the enforcement statistics pertaining to their subject areas and determining appropriate enforcement actions (e.g. strike forces). The TAG also serves as the repository for technical resource materials and develops specialized operational text and

manuals. Finally, it provides technology transfer to the FMCSA field staff, state enforcement personnel, and the regulated industry.

Cargo Tank Program: FMCSA delegated to FMCSA responsibility for enforcing all regulations pertaining to the design, manufacture, repair, inspection, and test of cargo tanks that transport hazardous materials. In 1989, PHMSA (formerly RSPA), published a comprehensive revision of the regulations governing the inspection, test, and repair of cargo tanks. In 1995, FMCSA began its current cargo tank manufacturer program. In the past 12 years, FMCSA has removed thousands of unsafe cargo tanks from transportation. In October 2003, FMCSA assumed the responsibility from PHMSA to register cargo tank facilities. In 2006, FMCSA conducted 98 cargo tank facility reviews.

Shipper Program: FMCSA has been delegated the responsibility for enforcing hazardous materials regulations as they apply to companies that ship hazardous materials by highway. Shippers have the responsibility of properly classifying hazardous materials, using proper packages, and communicating the hazard of the material through shipping papers, markings, labels, and placards. FMCSA developed the Hazardous Materials Package Inspection Program (HMPIP). This program focuses on inspecting individual shipments of hazardous materials at the roadside or on carriers' docks. FMCSA's annual National Shipper Check Strike Force conducts hazardous materials shipper compliance reviews and uses HMPIP to conduct inspections of many packages. In 2006, FMCSA conducted over 400 hazardous materials shipper reviews.

The Hazardous Materials Safety Permit Program (HMSP) went into effect on January 2005. FMCSA was required to implement HMSP for certain high-hazard materials. These carriers must maintain a high level of safety in their operations and must certify that certain programs and requirements are in place as required by hazardous materials regulations and hazardous materials safety permit regulations. This program ensures high-risk hazardous materials are transported by motor carriers that implement an operation program that ensures the safe and secure movement of these materials.

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CHAPTER 4 Emergency Preparedness and Response

During a crisis, the need to respond quickly is critical. Following a response, it is important to return to pre-crisis conditions as quickly as possible. PHMSA supports emergency operations during times of local crises within its areas of expertise. PHMSA provides real-time support to facilitate hazardous materials incident response. During some recent crises, including Hurricane Katrina and 9/11, PHMSA issued special permits to allow the immediate removal of hazardous materials debris and to facilitate the transport of vital supplies into and from the disaster area around the clock. PHMSA will continue to provide technical support to facilitate the safe removal of hazardous materials under crisis conditions.

PHMSA also supports the United States Coast Guard's National Response Center (NRC). The NRC is the sole national point of contact for reporting all oil, chemical, radiological, biological and etiologial releases into the environment anywhere in the U.S. PHMSA maintains an agreement with the NRC to relay reports that meet criteria for serious hazardous materials incidents. PHMSA uses this data to monitor incidents as they are reported, determine whether to dispatch investigators, and to provide a cross-check on the reporting of incidents to our Hazardous Materials Incident Report System, the principal source of information used to quantify risk in our program planning.

In addition, PHMSA registers and maintains a database of certain shippers and carriers of hazardous materials, and collects the fees to support the emergency preparedness programs described separately in the Emergency Preparedness Grants section of the budget. We proposed to collect fees sufficient to fund the Hazardous Materials Emergency Preparedness grants program at \$28.3 million, the highest amount authorized by law.

PHMSA has operational responsibility for both the Hazardous Materials Emergency Preparedness grants and Hazardous Materials Registration programs. Certain shippers and carriers are required to pay an annual fee which funds HMEP grants to states, territories and Native American tribes to train and prepare to respond to hazardous materials emergencies.

Grants Program

The Federal hazmat law requires PHMSA, through delegated authority from the Secretary, to:

- (1) develop and implement a reimbursable HMEP grants program;
- (2) monitor public sector emergency response training and planning and provide technical assistance to states, territories and Native American tribes; and
- (3) develop and update periodically a national training curriculum for emergency responders.

Grants are made to states, territories and Native American tribes for developing, improving, and implementing emergency plans. Grant funds are also used to determine the need for regional hazardous materials emergency response based on flow patterns of hazardous

materials within a state and between states, and for training public sector employees to respond to accidents and incidents involving hazardous materials.

Grants are awarded based on a number of factors, including a state's population, the number of highway miles within the state or territory, and the number of hazardous material facilities. Governors in each state or their counterparts within territories or Native American tribes designate an appropriate agency to receive the grant. That agency distributes funds within the state in accordance with grant rules and required certifications.

Curriculum guidelines are distributed to over 24,000 grantees, Local Emergency Planning Committees (LEPC), State Emergency Response Commissions and local fire departments as requested. Grantees will use these guidelines to qualify courses for the list of courses mandated by Congress. Assistance is being provided to grantees in using the guidelines to qualify their courses.

Cumulative survey results indicate, thus far, HMEP grantees have completed 8,616 commodity flow and hazard analyses, created or updated 50,982 plans, conducted 11,722 exercises, and helped an average of 1,713 LEPCs each year. Since the beginning of the program, approximately \$125 million has been awarded in HMEP grants. With the assistance of HMEP grant funds, over 2,102,000 responders and others have been trained.

Planning Grants

- Federal hazmat law authorizes \$5 million in annual planning grants to states, territories and Native American tribes -- with a required 75% pass-through of funds to LEPCs.
- These planning grants are to be used for: (1) developing, improving, and implementing emergency plans; (2) conducting commodity flow studies; and (3) determining the need for regional hazardous material response.

Training Grants

- Federal hazmat law authorizes \$7.8 million in annual training grants to states, territories and Native American Tribes -- with 75% of the funding used to provide training to local responders, including volunteers.
- Training grants are to be used for training public sector employees to respond safely and efficiently to accidents and incidents involving the transportation of hazardous materials.

Curriculum Guidelines Development

Using curriculum guidelines prepared by a national consensus author team process, states qualify courses they use for hazardous materials training.

- The list of courses mandated by Congress consists of state qualified courses. In this way, a standard national list of courses is generated in full partnership with the states.

- Assistance is given to states in using the qualification mechanism contained in the curriculum guidelines.

Coordination

- The Training and Curriculum subcommittee of the National Response Team's Preparedness Committee, co-chaired by DOT and the FEMA/U.S. Fire Administration, provides coordination for the HMEP grant program at the Federal level.
- DOT staff provides assistance to insure accomplishment of objectives and proper expenditure of funds.

**Table 8. Hazardous Materials Emergency Preparedness (HMEP)
Grants Made for Use in Fiscal Year 2005***

Alabama	\$236,183	Montana	\$118,746
Alaska	\$82,560	Nebraska	\$183,399
Arizona	\$183,283	Nevada	\$123,594
Arkansas	\$158,959	New Hampshire	\$106,013
California	\$964,316	New Jersey	\$289,579
Colorado	\$181,716	New Mexico	\$150,123
Connecticut	\$145,112	New York	\$470,968
Delaware	\$91,223	North Carolina	\$316,260
District of Columbia	\$73,484	North Dakota	\$137,298
Florida	\$453,407	Ohio	\$510,751
Georgia	\$300,494	Oklahoma	\$188,028
Hawaii	\$88,920	Oregon	\$175,178
Idaho	\$113,259	Pennsylvania	\$404,762
Illinois	\$612,982	Rhode Island	\$92,480
Indiana	\$302,514	South Carolina	\$190,616
Iowa	\$204,938	South Dakota	\$126,980
Kansas	\$230,885	Tennessee	\$249,996
Kentucky	\$182,148	Texas	\$668,460
Louisiana	\$204,058	Utah	\$145,957
Maine	\$107,242	Vermont	\$84,172
Maryland	\$186,902	Virginia	\$243,051
Massachusetts	\$214,283	Washington	\$206,220
Michigan	\$331,393	West Virginia	\$140,570
Minnesota	\$262,068	Wisconsin	\$260,053
Mississippi	\$177,883	Wyoming	\$94,237
Missouri	\$266,548		
American Samoa	\$66,207	Fallon Paiute-Shoshone Tribe, NV	\$27,148
Guam	\$67,353	Inter Tribal Council, AZ	\$160,000
Northern Mariana Islands	\$65,973	Menominee Indian Tribe, WI	\$26,055
Puerto Rico	\$126,417	Prairie Island Indian Comm., MN	\$21,710
US Virgin Islands	\$66,984	Pyramid Lake Paiute Tribe, NV	\$26,005
		Pueblo of Acoma, NM	\$26,005
		Pueblo of Laguna, NM	\$26,004
		Reno Sparks Indian Colony, NV	\$25,688
		Salish & Kootenai Tribes, MT	\$10,000
		St. Regis Mohawk Tribe, NY	\$24,200

Grand Total \$12,800,000

* Grants awarded 9/2004

**Table 9. Hazardous Materials Emergency Preparedness (HMEP)
Grants Made for Use in Fiscal Year 2006*.**

Alabama	\$236,183	Nebraska	\$183,399
Alaska	\$82,560	Nevada	\$123,594
Arizona	\$183,283	New Hampshire	\$106,013
Arkansas	\$158,959	New Jersey	\$289,579
California	\$964,316	New Mexico	\$150,123
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Louisiana	\$204,058	Vermont	\$84,172
Maine	\$107,242	Virginia	\$243,051
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Massachusetts	\$214,283	West Virginia	\$140,570
Michigan	\$331,393	Wisconsin	\$260,053
Minnesota	\$262,068	Wyoming	\$94,237
Mississippi	\$177,883		
Missouri	\$266,548		
		Ely Shoshone Tribe	\$21,710
American Samoa	\$65,973	Fallon Paiute-Shoshone Tribe	\$27,148
Guam	\$126,417	Inter Tribal Council	\$160,000
Northern Mariana Islands	\$66,207	Menominee Indian Tribe	\$26,055
Puerto Rico	\$67,353	Prairie Island Indian Community	\$26,055
US Virgin Islands	\$66,984	Pueblo of Acoma	\$26,004
		Pueblo of Laguna	\$26,004
Grand Total \$12,800,000		Pyramid Lake Paiute Tribe	\$26,005
* Grants awarded 9/2005		Reno Sparks Indian Colony	\$25,688
		Salish & Kootenai Tribes	\$10,000
Montana	\$118,746	St. Regis Mohawk Tribe	\$24,200

Registration Program

The Hazardous Materials Registration Program was established in 1992, as mandated by the Federal hazmat law. As of September 16, 1992, persons who transport or offer for transportation, any of the following types or quantities of hazardous materials, are required to file an annual registration statement and pay a fee to DOT:

- Any highway route-controlled quantity of a Class 7 (radioactive) materials;
- More than 25 kilograms (55 pounds) of a Division 1.1, 1.2, or 1.3 (explosive) material in a motor vehicle, rail car, or freight container;
- More than 1 liter (1.06 quarts) per package of a material extremely toxic by inhalation (a material poisonous by inhalation that meets the criteria for hazard zone A);
- A hazardous material in a bulk packaging having a capacity equal to or greater than 13,248 liters (3,500 gallons) for liquids or gases, or more than 13.24 cubic meters (468 cubic feet) for solids;
- A shipment, in other than a bulk packaging, of 2,268 kilograms (5,000 pounds) gross weight or more of a class of hazardous material for which placarding (of a vehicle, rail car, or freight container) is required for that class; or
- Any person handling a quantity of hazardous materials that requires placarding, with a partial exception for farmers.

A fee structure based on the registrant's status as a small business (as defined by the Small Business Administration) was established in FY 2000. Beginning with registration year 2003-2004 the fee structure was further refined by setting the fee for a not-for-profit organization at the same level as that for a small business. The annual fees for registrations that covered activities between January 1 and June 30, 2005, and between July 1, 2005, and June 30, 2006, were set at \$150 for small businesses and not-for-profit organizations, and at \$300 for all other registrants. The annual fees for registrations that covered activities after July 1, 2006, were set at \$275 for small businesses and not-for-profit organizations and at \$1,000 for all other registrants.

During 2005, persons involved in the transportation of the specified hazardous materials submitted 28,280 registration statements and paid fees amounting to \$7,708,000. Of this amount, \$6,980,000 was set aside to support a grant program that provides funding to states, territories, and Native American tribes for emergency response planning and training and to support other activities related to emergency response. The remaining amount was used to defray DOT's costs of administering the registration program. During 2006, a total of 35,035 registrants submitted fees totaling \$21,062,000. Of this amount, \$20,171,000 was set aside for the grant program.

CHAPTER 5 Future Challenges

Significant statutory changes in the Federal hazmat law in recent years reflect an increased awareness and concern for the safe transportation of hazardous materials. A substantial portion of DOT's 2005 and 2006 workload involved implementation of those mandates. In addition, PHMSA performed an extensive review of the hazardous materials regulations and associated procedural rules as a result of the President's directive to heads of departments and agencies calling for review of all agency regulations and elimination or revision of those regulations that were outdated or in need of reform. As a result of the President's Management Agenda, the DOT Strategic Plan, and PHMSA's mission of being a model agency, DOT will continue to improve its efforts to maintain and enhance its national regulatory program to protect against risks. This section discusses some of the challenges we are currently facing.

Risk Reduction Challenges

Ensure Standards Address Identified Safety Risks: Technological innovations drive changes in the way companies manufacture, prepare, package and transport hazardous materials. For example, new alternative fuel vehicle technologies are driving an increased demand for ethanol, hydrogen and other materials intended for use as alternatives to gasoline. The emergence of fuel cell technology to power everything from large-scale industrial applications to personal computers and cell phones has resulted in increased shipments of these hazardous materials. To ensure that U.S. industries remain competitive, our standards must keep pace with changes in how these materials are used and moved. PHMSA's goal is to facilitate the ability of shippers and carriers taking advantage of technological advances to improve the efficiency of their operations while maintaining the overall safety and security of hazardous materials transported in commerce. PHMSA continually evaluates the adequacy of our standards to accommodate innovation while maintaining a high level of transportation safety and security. To this end, we routinely respond to petitions for rulemaking, incorporate the provisions of established special permits and incorporate updated industry consensus standards into the HMR. Where necessary, we may initiate action to address specific technological innovations involving hazardous materials; for example, the transportation of fuel cells by aircraft passengers in personal electronic devices.

Manage Risks of Undeclared Hazmat Shipments: PHMSA now requires carriers to report undeclared shipments. Such shipments have long been recognized as a grave threat to public safety. We intend to inspect shippers found to be responsible for undeclared shipments. In 2005, PHMSA received 1,435 reports.

Enforcement Challenges

Analyze Modal Enforcement Data to Target Poor Performers: Each DOT mode shares hazmat enforcement responsibilities over the estimated 200,000 hazmat shippers. Recommendations from the General Accounting Office, the Transportation Research Board (TRB), and DOT's Office of the Inspector General have encouraged DOT to develop a single

DOT-wide data system to provide a tool for monitoring the vast hazardous materials shipper and carrier community. Given DOT's low inspection capacity, we have taken steps to significantly improve the coordination of Hazmat inspection and enforcement efforts. The Multimodal Hazardous Materials Intelligence Portal consolidates all DOT agency enforcement data for use by inspectors in the field. This system provides access to integrated enforcement data. Using data from the Multimodal Hazardous Materials Intelligence Portal, we are beginning an effort to incorporate risk in setting priorities in our inspections and thus more effectively deploy our limited resources.

Maintain Enforcement Effectiveness: PHMSA has direct jurisdiction over an estimated 200,000 shippers, 7,000 packaging manufacturers and 3,000 retesters. The number of active hazmat shippers is growing as the economy expands, and we believe newer entrants are less likely to be aware of their safety responsibilities.

Target Suspect Packages for Testing & Enforcement: PHMSA conducts testing on packages we suspect do not conform to the performance standards mandated in the regulations. Testing, conducted by the U.S. Army Material Command Logistic Support Activity, serves as the basis for enforcement actions and also enables the enforcement program to better plan and target its compliance inspection effort.

Emergency Response Challenges

Provide Assistance to the Nation's Hazardous Materials Emergency Response Community: PHMSA works cooperatively with the emergency response community to enhance their ability to respond efficiently and rapidly to hazardous materials incidents and to safeguard responders when confronted with hazardous materials spills. As new technologies emerge, these technologies must be integrated with and complement traditional methods of responding to hazardous materials incidents. As alternative fuels, such as ethanol, hydrogen, and nuclear power, become more prevalent, the abilities of the emergency response community must evolve to be effective in handling releases of these materials.

Emergency Response Support: PHMSA must continue to build on its strategic relationships with the emergency response community and continue frequent interaction through two-way communications to identify, improve, and develop tools needed by emergency responders when responding to hazardous materials incidents in transportation. This includes:

- The Emergency Response Guidebook
 - Traditional printed document version
 - Web-based electronic version
 - Software versions for Personal Data Assistant (PDA), Blackberry, Treo, and other handheld devices
- Training Materials and Delivery
 - Traditional classroom methods
 - Electronic self-study materials

- Core competencies for responders
- Interactive CD-ROM and web based materials
- Traditional delivery methods, including videos and printed materials
- Technical assistance
 - Emerging issues such as alternative fuels
 - Guidelines and training to support alternative fuels response
 - Risk assessment methodologies for routing hazardous materials across jurisdictional and geographic boundaries
 - Hazard communications systems to enhance response on or near international borders
- Fusion Center
 - Collaboration with International Association of Fire Chiefs
 - Information sharing network for hazmat incident first responders
 - Unique tool for data collection and analysis
 - Data-driven effective practices knowledgebase

PHMSA also manages the HMEP Grants Programs described in Chapter 4.

International Challenges

Enhance Global Connectivity: PHMSA's priority is to pursue international transportation safety standards that are consistent with the high level of safety specified in the U.S. hazardous materials 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 free and safe movement of hazardous materials.

Harmonization with international standards enhances safety, compliance and free trade while minimizing the regulatory burden on the public. Due in part to safety concerns, nations may attempt to erect barriers to the import and export of hazardous materials, including many products where the U.S. enjoys a technological advantage, including radiopharmaceuticals, consumer energy products (i.e. batteries and fuel cells), and industrial chemicals. The U.S. industry is the global leader in new technology development. As such, we assist U.S. companies by encouraging internationally harmonized hazardous material transportation regulations that enable the U.S. to maintain access to overseas markets. For example, we are partnering with U.S. industry, government and other stakeholders to develop international requirements for the safe transportation of fuel cell cartridges and equipment powered by fuel cells to provide for safety and facilitate commercialization of this emerging technology. We are also leading an international review of the testing and capability requirements of Intermediate Bulk

Containers (IBCs). There are in excess of 2 million shipments annually within the U.S. of IBC's containing hazardous materials. Internationally-harmonized requirements for these containers consistent with the HMR will improve the level of safety for international shipments and enhance global competitiveness for U.S. chemical manufacturers.

Human Resource Challenges

Invest in Human Capital: Much of the workload of the hazmat program is customer-generated, and our clients have experience with and a continued expectation of excellent service. Petitions for rulemaking, applications for Special Permits and Approvals, requests for interpretations, requests for training materials, answers to specific questions, and requests for investigation of suspected safety violations all deserve timely response and depend on the availability of a skilled workforce. Over one-third of PHMSA's hazmat employees are eligible to retire within five years, thereby necessitating succession planning. The challenge will be to match the skills, experience and size of our workforce with the expectations of our customers.

Appendix A – Rulemaking Actions

Table A.1. Rulemaking Actions			
Docket Number and Subject	Action	Date Published	Summary
PHMSA-06-25476 (HM-215I): Harmonization With the United Nations Recommendations, International Maritime Dangerous Goods Code, and International Civil Aviation Organization's Technical Instructions	Final Rule	12/29/2006	Revised 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. These revisions harmonized the HMR with certain recent changes to the International Maritime Dangerous Goods (IMDG) Code, the International Civil Aviation Organization's Technical Instructions for the Safe Transport of Dangerous Goods by Air (ICAO Technical Instructions), and the United Nations (UN) Recommendations on the Transport of Dangerous Goods.
PHMSA-2006-26596; Notice No. 06-6); "TITLE: Safety Advisory: Unauthorized Marking of Compressed Gas Cylinders"	Safety advisory notice	12/26/2006	PHMSA notified the public that it discovered the unauthorized marking of high-pressure compressed gas cylinders, mainly cylinders containing welding gases, fire extinguishers, and self-contained breathing apparatus, by Consulting and Safety Specialists, Inc. (CSSI), located at 924 Lefort Bypass, Thibodaux, LA 70301.

Table A.1. Rulemaking Actions			
Docket Number and Subject	Action	Date Published	Summary
RSPA-04-18730 (HM-232E); Hazardous Materials; Enhancing Rail Transportation Safety and Security for Hazardous Materials Shipments	NPRM	12/21/2006	PHMSA, in consultation with the FRA and TSA proposed to revise the current requirements to require rail carriers to compile annual data on specified shipments of hazardous materials, use the data to analyze safety and security risks along rail transportation routes where those materials are transported, assess alternative routing options, and make routing decisions based on those assessments. We also proposed clarifications of the current security plan requirements to address en route storage, delays in transit, delivery notification, and additional security inspection requirements for hazardous materials shipments. TSA also published an NPRM proposing additional security requirements for rail transportation on 12/21/2006.
Improving the Safety of Railroad Tank Car Transportation of Hazardous Materials	Notice of Public Meeting	11/17/2006	PHMSA and FRA are conducting a comprehensive review of design and operational factors that affect rail tank car safety. The two agencies invited interested persons to participate in a public meeting to address potential improvements to the design of hazardous materials tank cars that would enhance overall safety and security.
Docket No. 04-19886 (HM-224E): Hazardous Materials: Prohibition on the Transportation of Primary Lithium Batteries and Cells Aboard Passenger Aircraft	Final Rule	9/28/2006	PHMSA corrected an error in an interim final rule, published in the Federal Register on December 15, 2004, that imposed a limited prohibition on offering for transportation and transportation of primary lithium batteries and cells as cargo aboard passenger-carrying aircraft and equipment containing or packed with large lithium batteries.

Table A.1. Rulemaking Actions

Docket Number and Subject	Action	Date Published	Summary
PHMSA-05-21812 (HM-218D); Hazardous Materials; Miscellaneous Amendments	NPRM	9/25/2006	PHMSA proposed to make miscellaneous amendments based on petitions for rulemaking and PHMSA initiatives. These proposed amendments are intended to update, clarify or provide relief from certain regulatory requirements. Among other provisions, PHMSA proposed a new proper shipping name and UN identification number for fuel mixtures composed of ethanol and gasoline to help emergency response personnel respond appropriately to incidents involving such fuel mixtures. In addition, PHMSA proposed to update certain incorporations by reference, revise and clarify certain hazard communication requirements, and clarify transportation requirements applicable to dry ice, detonator assemblies and explosives. PHMSA also proposed to expand exceptions from regulation for household hazardous wastes and small amounts of materials used in pharmaceutical research.
PHMSA-06-25885 (HM-232F); Hazardous Material: Revision of Requirements for Security Plans	ANPRM	9/21/2006	PHMSA is considering revisions to the list of hazardous materials that require development and implementation of a security plan to address security risks during transportation in commerce. This effort is being coordinated with other DOT modal administrations and TSA. The revisions would address outstanding petitions requesting that certain materials be excepted from the security plan requirements. PHMSA held a public meeting on November 30, 2006 to obtain stakeholder comments on security plan requirements. The ANPRM and the public meeting provide an opportunity for the public to comment on this issue and make recommendations on the applicability of the security plan requirements.

Table A.1. Rulemaking Actions			
Docket Number and Subject	Action	Date Published	Summary
PHMSA-2006-25496 (HM-189Z); Hazardous Materials Regulations: Minor Editorial Corrections and Clarifications; Correction	Final rule	9/20/2006	The final rule corrected editorial errors, made minor regulatory changes and, in response to requests for clarification, improved the clarity of certain provisions.
PHMSA-2006-25496 (HM-189Z); Hazardous Materials Regulations: Minor Editorial Corrections and Clarifications	Final rule	9/14/2006	Corrected editorial errors, made minor regulatory changes and, in response to requests for clarification, improved the clarity of certain provisions in the HMR. This rule enhanced the accuracy, and reduced misunderstandings of the regulations.
PHMSA-06-25736 (HM-231); Hazardous Material; Miscellaneous Packaging Amendments	NPRM	9/1/2006	PHMSA proposed to make miscellaneous amendments based on changes to packaging requirements in the UN Recommendations on the Transport of Dangerous Goods, and petitions for rulemaking received in accordance with requirements specified in 49 CFR.
PHMSA-06-25476 (HM-215I); Hazardous Materials: Harmonization With the United Nations Recommendations, International Maritime Dangerous Goods Code, and International Civil Aviation Organization's Technical Instructions	NPRM	8/31/2006	PHMSA proposed 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. These revisions harmonized with recent changes to the IMDG Code, ICAO Technical Instructions, and the UN Recommendations on the Transport of Dangerous Goods.

Table A.1. Rulemaking Actions

Docket Number and Subject	Action	Date Published	Summary
PHMSA-03-14405 (HM-220F); Hazardous Materials: Aluminum Cylinders Manufactured of Aluminum Alloy 6351-T6 Used in SCUBA, SCBA, and Oxygen Services-- Revised Requalification and Use Criteria	Final rule	8/29/2006	Revised the HMR to address a known safety problem with cylinders manufactured of aluminum alloy 6351-T6. The revisions included an inspection and testing program for early detection of sustained load cracking on cylinders manufactured of aluminum alloy 6351-T6 and used in self-contained underwater breathing apparatus (SCUBA), self-contained breathing apparatus (SCBA), and oxygen services.
PHMSA-2006-25589 (HM-208F); Hazardous Materials Transportation; Registration and Fee Assessment Program	NPRM	8/15/2006	Amended 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, we proposed to increase the fee to \$1,975 (plus a \$25 administrative fee) for registration year 2007-2008 and increase the fee to \$2,975 (plus a \$25 administrative fee) for registration year 2008-2009, and the following years. The fee increase is necessary to fund the national Hazardous Materials Emergency Preparedness (HMEP) grants program at approximately \$28,000,000 in accordance with the Administration's Fiscal Year 2007 budget proposal to Congress. PHMSA also proposed to eliminate the expedited telephonic registration option. The number of telephonic registrations has steadily decreased with the addition of the internet registration option, therefore, the telephonic registration option is no longer necessary.

Table A.1. Rulemaking Actions

Docket Number and Subject	Action	Date Published	Summary
PHMSA-2006-25551 (Notice No. 06-4); Pipeline and Hazardous Materials Safety Administration	Notice of information collection approval	8/11/2006	Announced Office of Management and Budget (OMB) approval and extension until May 31, 2009 for the following information collection requests (ICRs): OMB Control No. 2137-0510, "Radioactive (RAM) Transportation Requirements;" and OMB Control No. 2137-0612, "Hazardous Materials Security Plans." In addition, this notice announced OMB approval and extension until July 31, 2009 for the following ICRs: OMB Control No. 2137-0051, "Rulemaking, Special Permits, and Preemption Requirements;" and OMB Control No. 2137-0613, "Subsidiary Hazard Class and Number/Type of Packagings."
PHMSA-2005-22208 (HM-240); Hazardous Materials: Incorporation of Statutorily Mandated Revisions to the Hazardous Materials Regulations; Correction	Final rule	8/8/2006	PHMSA published a final rule on 12/9/05 that revised terminology, definitions, and requirements for consistency with the Hazardous Materials Safety and Security Reauthorization Act of 2005. These amendments included revising the definitions of "hazmat employee" and "hazmat employer"; modifying shipping paper retention requirements; providing a security plan exception for farmers; and replacing the term "Exemption" with "Special permit." PHMSA also clarified the shipping paper retention requirements, the definition of "hazmat employer," and the transition from "Exemption" to "Special permit."
PHMSA-06-24764; (Notice No. 06-03); Pipeline and Hazardous Materials Safety Administration; Revision of the Emergency Response Guidebook	Notice; request for comments	7/19/2006	This notice advised interested persons that PHMSA planned to conduct a public meeting in preparation for the 29th session of the United Nation's Sub-committee of Experts on the Transport of Dangerous Goods (UNSCOE) in July 2006 in Geneva, Switzerland.

Table A.1. Rulemaking Actions

Docket Number and Subject	Action	Date Published	Summary
PHMSA-2005-17463 (HM-220E); Hazardous Materials: Requirements for UN Cylinders	Final rule	6/12/2006	PHMSA amended the HMR to adopt standards for the design, construction, maintenance and use of cylinders and multiple-element gas containers based on the standards contained in the UN Recommendations on the Transport of Dangerous Goods. Aligning the HMR with the international standards promotes greater flexibility, permits the use of advanced technology for the manufacture of pressure receptacles, provides for a broader selection of pressure receptacles, reduces the need for special permits, and facilitates international commerce in the transportation of compressed gases without sacrificing the current level of safety and without imposing undue burdens on the regulated community.
PHMSA-99-6223 (HM-213B); Hazardous Materials: Safety Requirements for External Product Piping on Cargo Tanks Transporting Flammable Liquids	Withdrawal of notice of proposed rulemaking	6/7/2006	PHMSA considered and declined to adopt proposals for further regulating the transportation of flammable liquids in the product piping on cargo tank motor vehicles. On the basis of public comments and additional data and analysis, PHMSA concluded that further regulation would not produce the level of benefits originally expected and that the quantifiable benefits of proposed regulatory approaches would not justify the corresponding costs. Instead, PHMSA developed and implemented an outreach program to educate the industry, first responder community, and the public about potential risks associated with unprotected product pipelines on these vehicles and continue to collect data and other information in order to address the issue further, if warranted.

Table A.1. Rulemaking Actions			
Docket Number and Subject	Action	Date Published	Summary
PHMSA-2004-16895 (HM-226A); Hazardous Materials: Infectious Substances; Harmonization With the United Nations Recommendations	Final rule	6/01/2006	PHMSA revised the transportation requirements for infectious substances, including regulated medical waste, and adopted new classification criteria, new exceptions, and packaging and hazard communication requirements consistent with revised international standards and clarified existing requirements to promote compliance. These revisions ensure an acceptable level of safety.
International Standards on the Transport of Dangerous Goods	Notice of public meeting	05/19/2006	Advised interested persons that PHMSA planned to conduct a public meeting in preparation for the 29th session of the UNSCOE, held July 2006 in Geneva, Switzerland.
PHMSA-06-24304 (Notice No. 06-2)TITLE: “Safety Advisory: Correction to Safety Advisory Concerning the Manufacture, Marking, and Sale of Untested Compressed Gas Cylinders”	Correction of a safety advisory notice	5/10/2006	PHMSA published a safety advisory notice on 3/1/06 advising the public that certain high pressure DOT exemption cylinders were not tested in accordance with applicable regulatory requirements. In the safety advisory notice, the serial numbers for the Goodrich cylinders “Model No. T123-1 GOODR” were listed incorrectly. This safety advisory notice corrects the May 1, 2006 safety advisory notice to provide the correct serial numbers for the affected cylinders.
RSPA-2004-18795 (HM-237); Hazardous Materials: Requirements for Lighters and Lighter Refills	Final rule	4/25/2006	PHMSA published a final rule on 1/23/06 entitled “Requirements for Lighters and Lighter Refills” that amended requirements in the HMR pertaining to the examination, testing, certification, and transportation of lighters and lighter refills. In response to appeals submitted by persons affected by the final rule, this final rule amends requirements applicable to the transportation of lighter refills and allows for immediate voluntary compliance with certain provisions.

Table A.1. Rulemaking Actions

Docket Number and Subject	Action	Date Published	Summary
RSPA-02-11654 (HM-228); Hazardous Materials: Revision of Requirements for Carriage by Aircraft	Final Rule	3/22/2006	Amended the requirements in the HMR for the transportation of hazardous materials by aircraft. Clarified the applicability of part 175; clarifies the exceptions from regulation for operator equipment and supplies, special aircraft operations, and passengers and crewmembers; revised separation distances for the shipment of radioactive materials by cargo aircraft; and updated the regulations to comply with security requirements for explosive special permits. These changes are made to finalize outstanding petitions for rulemaking, convert certain special permits into regulations, and promote international harmonization, where appropriate.
PHMSA-05-22461; Hazardous Materials: Revisions to Civil and Criminal Penalties; Penalty Guidelines	Final Rule	2/17/06	PHMSA revised its regulations to reflect revisions to the civil and criminal penalties in the Hazardous Materials Safety and Security Reauthorization Act (Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users), enacted on August 10, 2005. We also revised baseline assessments for violations related to training and security plans and made editorial changes in our List of Frequently Cited Violations in our Guidelines for Civil Penalties. We published the Guidelines for Civil Penalties to provide the regulated community and the general public with information on the hazardous material penalty assessment process.

Table A.1. Rulemaking Actions

Docket Number and Subject	Action	Date Published	Summary
PHMSA-2005-23141 (HM-215F); Hazardous Materials: Revision and Reformatting of Requirements for the Authorization To Use International Transport Standards and Regulations	NPRM	1/27/2006	Amended the HMR by revising and consolidating the requirements applicable to the use of the ICAO Technical, the IMDG Code, the Canadian Transport of Dangerous Goods Regulations, and the International Atomic Energy Agency (IAEA) Safety Standards Series: Regulations for the Safe Transport of Radioactive Material. The revisions and reformatting provide a user-friendly format to promote understanding of the conditions and limitations on the use of international standards and regulations, thereby ensuring that an acceptable level of safety is maintained while facilitating the transportation of hazardous materials.
PHMSA-05-22356; Hazardous Materials: Enforcement Procedures	Notice of public meeting	1/25/2006	PHMSA invited interested persons to participate in a series of public meetings that addresses new hazardous materials transportation enforcement authority contained in the Hazardous Materials Safety and Security Reauthorization Act of 2005. Expanded authority permits DOT enforcement personnel to open the outer packaging of a package believed to contain hazardous materials; order a package believed to contain hazardous materials to be transported to an appropriate facility for examination and analysis; assist in the safe resumption of transportation of a package when practicable and an imminent hazard is found not to exist; and, when an imminent hazard may exist, remove a package from transportation or issue an emergency restriction, prohibition, recall, or out-of-service order.

Table A.1. Rulemaking Actions			
Docket Number and Subject	Action	Date Published	Summary
RSPA-2004-18795 (HM-237); Hazardous Materials: Requirements for Lighters and Lighter Refills	Final Rule	1/23/2006	Amended requirements in the HMR pertaining to the examination, testing, certification, and transportation of lighters and lighter refills. This action clarified regulatory requirements and, where appropriate, decreased the regulatory burden, while continuing to provide for the safe transportation of lighters and lighter refills in commerce.
RSPA-2005-20036 (Notice No. 05-10); Information Collection Activity	Notice and request for comments	12/28/2005	In compliance with the Paperwork Reduction Act of 1995 (44 U.S.C. 3501 et seq.), announced that the Information Collection Requests (ICR) have been forwarded to the Office of Management and Budget (OMB) for review and comment. The ICRs describe the nature of the information collections and their expected burden. A Federal Register Notice with a 60-day comment period soliciting comments on collections of information was published on September 21, 2005 [70 FR 55450]. No comments were received.
PHMSA-91-13289 (FS-1); Safeguarding Food From Contamination During Transportation	Withdrawal of notice of proposed rulemaking	12/23/2005	PHMSA, the successor agency to RSPA, withdrew the notice of proposed rulemaking published on May 21, 1993, and the supplemental notice of proposed rulemaking published on December 21, 2004. In those notices, the Agency proposed to implement the Sanitary Food Transportation Act of 1990 by amending its regulations to address the safe transportation of food and food products in commerce. On August 10, 2005, the President signed the Sanitary Food Transportation Act of 2005, which transferred authority for regulating the safe transportation of food from DOT to the U.S. Department of Health and Human Services (HHS).

Table A.1. Rulemaking Actions			
Docket Number and Subject	Action	Date Published	Summary
PHMSA-2005-22208 (HM-240); Hazardous Materials: Incorporation of Statutorily Mandated Revisions to the Hazardous Materials Regulations	Final Rule	12/9/2005	Revised terminology, definitions, and requirements for consistency with the Hazardous Materials Safety and Security Reauthorization Act of 2005. These amendments revised the definitions of “hazmat employee” and “hazmat employer,” and shipping paper retention requirements; provided a security plan exception for farmers; added conditional applicability of postal laws and regulations; and replaced the term “Exemption” with “Special permit.”
PHMSA-2005-22987 (HM-238); Hazardous Materials: Requirements for the Storage of Explosives and Other High-Hazard Materials During Transportation	Supplemental notice of proposed rulemaking	11/16/2005	PHMSA considered requirements addressing the current safety and security risks associated with the storage of explosives during transportation. PHMSA solicited comments concerning measures to reduce the risks posed by the storage of explosives while they are in transportation and whether regulatory action is warranted. We also invited comments on whether enhanced requirements for storage incidental to movement should apply to other hazardous materials (e.g., materials toxic-by-inhalation).
PHMSA-03-14405 (HM-220F); Hazardous Materials Regulations: Aluminum Cylinders Manufactured of Aluminum Alloy 6351-T6 Used in SCUBA, SCBA, Carbon Dioxide, and Oxygen Service-- Revised Requalification and Use Criteria	Supplemental notice of proposed rulemaking	10/26/2005	PHMSA proposed an inspection and testing program for early detection of sustained load cracking in certain cylinders manufactured with aluminum alloy 6351-T6. Based on comments received in response to that NPRM, PHMSA proposed to adopt a maximum service life for cylinders manufactured with aluminum alloy 6351-T6 and to prohibit the use of these cylinders after the expiration of their maximum service life.

Table A.1. Rulemaking Actions			
Docket Number and Subject	Action	Date Published	Summary
PHMSA-2005-22071 (HM-189Y); Hazardous Materials Regulations: Minor Editorial Corrections and Clarifications	Final Rule	9/23/2005	Corrected editorial errors, made minor regulatory changes and, in response to requests for clarification, improved the clarity of certain provisions in the HMR. In addition, revised references to RSPA to reflect the creation of PHMSA. The rule enhanced the accuracy, and reduced misunderstandings of the regulations. The amendments contained in this rule were minor changes and do not impose new requirements.
RSPA-2005-20036 (Notice No. 05-5); Hazardous Materials; Information Collection Activity	Notice and request for comments	9/21/2005	In accordance with the Paperwork Reduction Act of 1995, PHMSA invited comments on certain information collections pertaining to hazardous materials transportation for which PHMSA requested renewal from OMB.
PHMSA-2005-21159 (Notice No. 04); TITLE: "Unauthorized Marking of Compressed Gas Cylinders"	Safety advisory notice	9/14/2005	PHMSA notified the public that it is investigating the unauthorized marking of high- and low-pressure compressed gas cylinders, including fire extinguishers, oxygen cylinders, and self- contained breathing apparatus, by All-Out Fire Equipment Co., Inc. The company is located at 385 High Street, Holbrook, NY. On June 15, 2004, two inspectors from the Office of Hazardous Materials Enforcement (OHME-- Eastern Region) conducted a compliance inspection of All-Out Fire Equipment Co., Inc.

Table A.1. Rulemaking Actions			
Docket Number and Subject	Action	Date Published	Summary
PHMSA-2005-20104 (Notice No. 05-06); TITLE: “Safety Advisory: Unauthorized Marking of Compressed Gas Cylinders”	Safety advisory notice	8/12/2005	PHMSA and the Office of the Inspector General (OIG) notified the public that they were investigating the manufacture, marking, and sale of high pressure DOT exemption cylinders made and/or distributed by Global Composites International, Inc. (GCI), Ontario, CA. PHMSA and the OIG have evidence that suggests GCI manufactured, marked, certified, and sold an undetermined number of high-pressure DOT exemption carbon fiber filament cylinders when the cylinders had not been manufactured in accordance with the HMR, DOT-E 12695, and the design qualification standards incorporated into the exemption. Extensive property damage, serious personal injury, or death could result from rupture of a cylinder.
PHMSA-04-19173 (HM-223A); Applicability of the Hazardous Materials Regulations to a “Person Who Offers” a Hazardous Material for Transportation in Commerce	Final Rule	7/28/2005	PHMSA amended the HMR to add a definition for “person who offers or offeror.” The definition adopted in this final rule codified long-standing interpretations and administrative determinations on the applicability of those regulations.

Table A.1. Rulemaking Actions

Docket Number and Subject	Action	Date Published	Summary
RSPA-2005-20036 (Notice No. 05-5); Hazardous Materials; Information Collection Activity Under OMB Review	Notice and request for comments	6/28/2005	PHMSA published this initial regulatory flexibility analysis to aid the public in commenting upon the potential small business impacts of the proposals in our April 2, 2002 NPRM to amend the requirements in the HMR on: (1) Exceptions for “small” and for “mid-size” batteries (i.e., cells up to 5 grams of lithium content and batteries up to 25 grams of lithium content); and (2) exceptions for aircraft passengers and crew. These changes were proposed in order to clarify requirements to promote safer transportation practices; promote compliance and enforcement; eliminate unnecessary regulatory requirements; facilitate international commerce; and make these requirements easier to understand.
RSPA-2005-17463 (HM-220E); Hazardous Materials: Requirements for Cylinders; Extension of Comment Period	NPRM	6/23/2005	To align the HMR with the UN, we proposed to amend the HMR to adopt standards for the design, construction, maintenance and use of cylinders and multiple-element gas containers (MEGCs) based on the standards contained in the UN Recommendations on the Transport of Dangerous Goods.

Table A.1. Rulemaking Actions

Docket Number and Subject	Action	Date Published	Summary
PHMSA-02-11989 (HM-224C); Hazardous Materials; Transportation of Lithium Batteries	Initial regulatory flexibility analysis	6/15/2005	PHMSA published this initial regulatory flexibility analysis to aid the public in commenting upon the potential small business impacts of the proposals in our April 2, 2002 NPRM to amend the requirements in the HMR on: (1) Exceptions for “small” and for “mid-size” batteries (i.e., cells up to 5 grams of lithium content and batteries up to 25 grams of lithium content); and (2) exceptions for aircraft passengers and crew. These changes were proposed in order to clarify requirements to promote safer transportation practices; promote compliance and enforcement; eliminate unnecessary regulatory requirements; facilitate international commerce; and make these requirements easier to understand.
PHMSA-04-17036 (HM-215G); Harmonization With the United Nations Recommendations, International Maritime Dangerous Goods Code, and International Civil Aviation Organization’s Technical Instructions	Final Rule	6/14/2005	RSPA, the predecessor agency to PHMSA, published a final rule under Docket Number RSPA-04-17036 (HM-215G) amending 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. Because of recent changes to the IMDG Code, the ICAO Technical Instructions, and the UN Recommendations on the Transport of Dangerous Goods, these revisions were necessary to facilitate the transport of hazardous materials in international commerce. This final rule corrects errors in the December 20, 2004 final rule.

Table A.1. Rulemaking Actions

Docket Number and Subject	Action	Date Published	Summary
PHMSA-04-18683 (HM-218C); Hazardous Materials; Miscellaneous Amendments	Final rule	6/13/2005	Amended the HMR by incorporating miscellaneous changes based on petitions for rulemaking and PHMSA initiatives. These regulatory changes updated, clarified and provided relief from certain regulatory requirements.
RSPA-03-16370 (HM-233); Hazardous Materials: Incorporation of Exemptions Into Regulations; Notice of Information Collection Approval	Final Rule	6/8/2005	Announced OMB approval of information collection request (ICR) OMB No. 2137-0620, "Inspection and Testing of Meter Provers." This information collection has been approved by OMB until May 31, 2008. This notice also made appropriate revisions to regulations concerning the Paperwork Reduction Act to incorporate this new information collection approval under OMB Control No. 2137-0620.
PHMSA-2004-16895 (HM-226A); Hazardous Materials: Infectious Substances; Harmonization With the United Nations Recommendations; Proposed Rule	NPRM	5/19/2005	PHMSA proposed to revise the transportation requirements for infectious substances, including regulated medical waste, to adopt new classification criteria and packaging requirements consistent with revised international standards and to clarify existing requirements to promote compliance. These proposed revisions ensured an acceptable level of safety for the transportation of infectious substances and facilitate domestic and international transportation.
Office of Hazardous Materials Safety; Regulations for the Safe Transport of Radioactive Material (TS-R-1) and Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Materials (TS-G-1.1)	Request for written comments	5/2/2005	PHMSA accepted written comments pertaining to 28 proposed changes to the IAEA Regulations for the Safe Transport of Radioactive Materials, TS-R-1, scheduled for revision in the year 2007 as well as written comments on the proposed changes to the Advisory Material for the IAEA Regulations for the Safe Transport of Radioactive Materials, TS-G-1.1. 70 FR 22756.

Table A.1. Rulemaking Actions

Docket Number and Subject	Action	Date Published	Summary
PHMSA-01-10292 (HM-206E); Hazardous Materials: Hazardous Waste Manifest Requirements	Withdrawal of notice of proposed rulemaking	4/16/2005	RSPA, the predecessor agency to PHMSA, and the EPA issued final rules in 1980 requiring that a manifest accompany each shipment of hazardous waste during transportation. In 49 CFR 172.205, PHMSA provided that the uniform manifest “may be used as the shipping paper required by” the HMR, so long as it contained all the required information. On May 22, 2001, EPA published an NPRM to revise the hazardous waste manifest system. One of EPA’s proposed changes would have allowed the uniform manifest to be prepared and transmitted electronically from the generator to the disposal facility, rather than requiring it to accompany the shipment. EPA is deferring final action on the electronic manifest pending further analysis, outreach, and possible supplemental proposals. Therefore, PHMSA withdrew an NPRM published on August 8, 2001, that would have amended the HMR on the use of the Uniform Hazardous Waste Manifest for shipments of hazardous wastes.
PHMSA-98-4952 (HM-223); Hazardous Materials: Applicability of the Hazardous Materials Regulations to Loading, Unloading, and Storage	Final Rule	4/15/2005	RSPA, the predecessor agency to PHMSA, published a final rule that clarified the applicability of the HMR to functions and activities related to the safe and secure transportation of hazardous materials in commerce, including loading, unloading, and storage operations. Amendments to certain regulations and editorial corrections were made in response to appeals submitted by persons affected by the final rule.

Table A.1. Rulemaking Actions			
Docket Number and Subject	Action	Date Published	Summary
Office of Hazardous Materials Safety; Information Collection Activities	Notice	4/14/2005	In accordance with the Paperwork Reduction Act of 1995, PHMSA invited comments on certain information collections pertaining to hazardous materials transportation for which PHMSA intends to request renewal from OMB.
PHMSA-2005-17463 (HM-220E); Hazardous Materials: Requirements for UN Cylinders	NPRM	3/9/2005	PHMSA proposed to amend the HMR to adopt standards for the design, construction, maintenance and use of cylinders and multiple-element gas containers (MEGCs) based on the standards contained in the UN Recommendations on the Transport of Dangerous Goods. Aligning the HMR with the UN Recommendations promotes flexibility, permits the use of technological advances for the manufacture of pressure receptacles, provides for a broader selection of pressure receptacles, reduces the need for special permits, and facilitates international commerce in the transportation of compressed gases.
PHMSA-00-7762 (HM-206C); Hazardous Materials: Availability of Information for Hazardous Materials Transported by Aircraft	Final Rule	2/24/2005	Adopted without change the April 1, 2005, mandatory compliance date for the notification and record retention requirements for aircraft operators transporting hazardous materials, as adopted in an interim final rule in this proceeding published on September 1, 2004.

Table A.1. Rulemaking Actions			
Docket Number and Subject	Action	Date Published	Summary
RSPA-2005-20104 (Notice No. 05-02); Office of Hazardous Materials Safety; Regulatory Flexibility Act Section 610 and Plain Language Reviews	Notice of regulatory review; request for comments	2/15/2005	RSPA requested comments on the economic impact of its regulations on small entities. As required by the Regulatory Flexibility Act and as published in DOT's Semi-Annual Regulatory Agenda, we analyzed the rules applicable to general shipment and packaging requirements for shippers to identify requirements that may have a significant economic impact on a substantial number of small entities. We also requested comments on ways to make these regulations easier to read and understand.
RSPA-99-6223 (HM-213B); Hazardous Materials: Safety Requirements for External Product Piping on Cargo Tanks Transporting Flammable Liquids	NPRM	2/10/2005	RSPA extended until April 28, 2005, the period for interested persons to submit comments on the December 30, 2004 NPRM. In the December 30, 2004 NPRM, we proposed to amend the HMR to prohibit flammable liquids from being transported in unprotected product piping on existing and newly manufactured DOT specification cargo tank motor vehicles. This proposal was developed jointly with the FMCSA.
RSPA-03-16370 (HM-233); Hazardous Materials: Incorporation of Exemptions Into Regulations	Final Rule	1/24/2005	Amended the HMR by incorporating into the regulations the provisions of certain widely used special permits which have established a history of safety and which may be converted into regulations for general use. We also made minor revisions to the requirements for use of packagings authorized under special permits. The revisions provide wider access to the benefits of the provisions granted in these special permits and eliminate the need for the current special permit holders to reapply for renewal of the special permit, thus reducing paperwork burdens and facilitating commerce while maintaining an acceptable level of safety.

Table A.1. Rulemaking Actions

Docket Number and Subject	Action	Date Published	Summary
RSPA-02-11654 (HM-228); Hazardous Materials: Revision of Requirements for Carriage by Aircraft	NPRM	1/21/2005	RSPA extended until March 18, 2005, the period for interested persons to submit comments on the November 10, 2004 notice of proposed rulemaking in response to a request by the Air Transport Association of America, Inc. (ATA). In the November 10, 2004 NPRM, we proposed to amend the requirements in the HMR for the transportation of hazardous materials by aircraft. The proposed changes include clarifying the applicability of part 175; excepting cargo aircraft from the quantity limits in § 175.75; reformatting the exceptions in § 175.10 into three sections based on applicability; and providing new separation distances for the shipment of radioactive materials by cargo aircraft. These changes were proposed in order to clarify requirements to promote safer transportation practices; promote compliance and enforcement; eliminate unnecessary regulatory requirements; convert certain special permits into regulations of general applicability; finalize outstanding petitions for rulemaking; facilitate international commerce; and make these requirements easier to understand.
RSPA-04-19886 (HM-224E); Hazardous Materials; Prohibition on the Transportation of Primary Lithium Batteries and Cells Aboard Passenger Aircraft	Notice of Public Meeting	1/13/2005	In accordance with the requirements of 49 U.S.C. 5117(c), RSPA published a list of special permit applications that have been in process for 180 days or more. The reason(s) for delay and the expected completion date for action on each application was provided on each identified application.

Appendix B – Active Special Permits

Listed below in numerical sequence are the active special permits. The reason for each issuance is given by a number in the right-hand column which is coded to the reasons shown below.

Table of Codes

Code	Code Justification
1	To develop information and gain experience concerning shipping conditions, or carrier operations;
2	To authorize packaging of similar nature and integrity equivalent to DOT specification containers;
3	To permit one of a limited number of shipments of a material for which an amendment of the regulations would be impractical;
4	To permit emergency movement of materials in order to prevent risk to life or property; or
5	To permit emergency movement of a material in order to prevent serious economic loss.

Table B.1. Active Special Permits

ID	Summary	Code
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.	2
970	Authorizes the transportation of diboran classed as a Division 2.3 material in DOT Specification 3AA cylinders overpacked in certain insulated drums or wooden boxes.	1
1862	Authorizes the shipment of nitrogen, compressed, Division 2.2 in non-DOT specification hydraulic accumulators.	1
2582	Authorizes the transportation of Division 2.3 and Division 5.1 materials in non-DOT specification cylinders made in compliance with DOT specification 3E1800 with exceptions.	1
2709	Authorizes the transportation of certain 1.1G, 1.1D and 1.3G liquid explosives in DOT specification packagings.	1
2787	Authorizes the shipment of certain Division 2.2 materials in non-DOT specification pressure vessels equipped with regulating valve.	2
3004	Authorizes the use of a non-DOT specification cylinder for transportation of certain Division 2.1 or 2.2 materials.	2
3121	Authorizes the transportation of certain poisonous material classed as Division 2.3, in DOT Specification MC 338 cargo tanks.	2
3216	Authorizes the transportation of certain Division 2.1 and Division 2.2 gases in non-DOT specification multi-unit tank car tanks.	1
3216	Authorizes the one-time transportation in commerce of certain hazardous materials to a new site to be transported as essentially unregulated.	1
3302	Authorizes the use of non-DOT specification sampling bottles (cylinders) for transportation of certain Division 2.2 gases.	2
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.	1
3549	Authorizes the shipment of Division 1 explosives in a special non-DOT specification inside packaging.	2
4052	Authorizes the shipment of an aerosol formulation pressurized with nitrogen in a DOT Specification 39 seamless aluminum cylinder.	2
4354	Authorizes the shipment of chloroformates in a DOT specification 6D or 37M cylindrical steel overpack with an inside DOT Specification 2S, 2SL or 2T polyethylene container.	1
4453	Authorizes the transport of propellant explosives and blasting agents in DOT Specification MC-306, MC-307, and MC-312 cargo tanks.	2
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.	2
4661	Authorizes the transport of butyl lithium in petroleum solvent in DOT Specification 4BA240 cylinders with alternative retest procedures.	2
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.	2
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.	1
4850	Authorizes the transportation of certain 1.1G, 1.1D and 1.3G liquid explosives in DOT specification packagings.	1

Table B.1. Active Special Permits

ID	Summary	Code
4884	Authorizes the shipment of liquefied and nonliquefied compressed gases and a Class 3 material in stainless steel cylinders complying with DOT Specification 4BS with certain exceptions.	2
4884	Authorizes the transportation in commerce of certain Class 8 and Division 2.1, 2.2, 2.3 and 4.3 materials prescribed in paragraph 6 of this special permit in non-DOT specification cylinders.	2
5022	Authorizes the shipment of certain Division 1.1, 1.2 and 1.3 explosives in temperature controlled equipment.	1
5112	Authorizes the use of a specially designed kettle drum type aluminum containers for transportation of a Division 1 explosive.	1
5206	Authorizes the use of privately operated bulk, hopper-type units for transportation of a Division 1.5 material.	1
5493	Authorizes the shipment of hydrogen sulfide in DOT-105A600W tank cars.	2
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 monel metal may be used rather than steel.	1
5643	Authorizes the shipment of a Division 2.2 gas in vacuum insulated non-DOT specification portable tanks.	1
5749	Authorizes the use of an insulated nickel steel DOT Specification MC-331 cargo for transportation of a certain Division 2.1e gas.	2
5861	Authorizes the use of a stainless steel cylinder patterned after the DOT-4DS cylinder for transportation of a Division 2.2 gas.	2
5945	Authorizes the use of a small capacity DOT-51 portable tank for shipment of a Division 2.2 gas.	1
5951	Authorizes the transport of Division 2.2 gases in DOT Specification 106 type tanks.	2
6016	Authorizes the shipment of oxygen, refrigerated liquid, nitrogen, refrigerated liquid, and argon, refrigerated liquid in non-DOT specification portable tanks.	1
6071	Authorizes the use of non-DOT specification pressure vessels, for transportation of Division 2.2 gases.	2
6117	Authorizes the transport of hydrogen sulfide in DOT Specification 105A600W tank car tanks or proposed DOT Specification 120A600W tank car tanks.	1
6263	Authorizes the transport of certain Division 2.2 gases, in non-DOT specification welded, cylindrical or spherical, steel tanks.	2
6293	Authorizes the shipment of specific Class 8 materials, in DOT Specification MC-311 or MC-312 tank motor vehicles.	2
6299	Authorizes the manufacture, marking and sale of non-DOT specification portable tanks, for transportation of Division 2.2 materials.	2
6309	Authorizes the use of non-DOT specification steel portable tanks for transportation of certain Division 2.2 gases.	2
6349	Authorizes the use of non-DOT specification insulated portable tanks for shipment of certain flammable and nonflammable cryogenic liquids..	2
6443	Authorizes the use of DOT Specification MC-331 insulated cargo tanks not presently authorized, for transportation of a Division 2.1 material.	1
6517	Authorizes the use of a non-DOT specification steel cylinder comparable to DOT Specification 4BW cylinder for shipment of acetylene.	2
		2

Table B.1. Active Special Permits

ID	Summary	Code
6518	Authorizes the shipment of specified pyrophoric liquids and solids, water reactive solids and certain other Class 3 materials in non-DOT specification steel portable tanks or cylinders.	
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.	2
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.	2
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.	1
6563	Authorizes the shipment of certain Division 2.2 materials in non-DOT specification steel cylinders made in compliance with DOT Specification 3E with certain exceptions.	2
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.	1
6611	Authorizes the use of a non-DOT specification vacuum insulated portable tank for transportation of a nonflammable cryogenic liquid.	1
6614	Authorizes the use of non-DOT specification polyethylene bottles, packed inside a high density polyethylene box for transportation of certain Class 8 materials.	1
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.	1
6670	Authorizes the shipment of tetrafluoromethane, in DOT Specification 3A2400, 3AA2400, 3AX2400 and 3AAX2400 cylinders.	1
6686	Authorizes the use of a modified DOT Specification 39 steel cylinder for transportation of a Division 2.1 material.	1
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.	1
6743	Authorizes shipment of a Division 5.1 material and a Division 5. 1 material in DOT Specification 56 or 57 portable tanks.	1
6765	Authorizes the use of non-DOT specification portable tanks for transportation of a Division 2.1 and a Division 2.2 material.	1
6769	Authorizes the transport of trifluoromethane in DOT specification tank cars and cargo tanks.	2
6805	Authorizes the use of DOT Specification 3AAX steel cylinders for transportation of a Division 2.1 mixture.	1
6810	Authorizes the shipment of a nonliquefied, Division 2.2 material in seamless steel tanks (tubes) made in compliance with DOT Specification 107A except they are not mounted on a rail car.	1
6890	Authorizes the transport of an explosive severance system consisting of linear segments which may contain up to 79 grams of hexanitrostilbene.	2
6908	Authorizes certain variances from the specifications for DOT Specification 39 cylinders for shipment of certain Division 2.2 materials. mmable gases.	2
6922	Authorizes the use of non-DOT specification IMO Type 5 portable tanks for transportation of anhydrous hydrofluoric acid.	1
6946	Authorizes use of DOT Specification 3A or 3AA cylinders and ICC-3, 3A, or 3AA cylinders for shipment of certain compressed gases.	1

Table B.1. Active Special Permits

ID	Summary	Code
6971	Authorizes the transport of small quantities of reagent chemicals in inside glass bottles packed in metal boxes overpacked in a strong wooden or fiberboard box.	1
7007	Authorizes the shipment of chlorine in non-DOT specification multi-unit tank car tanks patterned after DOT Specification 110A500W.	1
7026	Authorizes the manufacture, marking and sale of a non-DOT specification welded steel pressure vessel, for transportation of a compressed gas.	2
7041	Authorizes the shipment of pyrophoric waste materials in non-DOT specification cargo tanks of the MC-331 type.	2
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.	1
7073	Authorizes the use of non-DOT specification portable tanks for transportation of a Division 6.1 liquid.	2
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.	2
7227	Authorizes the use of a vacuum insulated, non-DOT specification portable tank for the shipment of a certain Division 2.2 material.	1
7235	Authorizes the manufacture, marking and sale of non-DOT specification fiber reinforced plastic hoop wrapped cylinders, for transportation of certain nonflammable compressed gases.	2
7268	Authorizes the use of a DOT Specification 39 nonrefillable cylinder for shipment of a Division 2.2 material.	2
7274	Authorizes the use of non-DOT specification portable tanks for shipment of certain Division 2.2 materials.	1
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.	2
7280	Authorizes fuel tanks to be 3/4 full instead of 1/4 full and vehicles to be transported with battery cables connected if the holds or compartments of a vessel in which vehicles are loaded are mechanically ventilated.	1
7285	Authorizes the use of non-DOT specification IMO Type 5 portable tanks, for transportation of certain Division 2.2 materials.	1
7413	Authorizes the transport of carbon dioxide or nitrogen, in a non-DOT specification brazed steel cylinder.	2
7458	Authorizes the manufacture, marking and sale of non-DOT specification seamless cylinders, for transportation of Division 2.2 materials.	2
7465	Authorizes the stowage of transport motor vehicles and liquefied petroleum gases aboard passenger vessels.	1
7477	Authorizes the use of non-DOT specification seamless aluminum cylinders, for transportation of certain Division 2.2 materials.	2
7541	Authorizes the use of non-DOT specification portable tanks for transportation of certain Division 2.1 and 2.2 materials.	2
7542	Authorizes the manufacture, marking and sale of non-DOT specification steel cylinders for transportation of certain Division 2.1 material.	2
7573	Authorizes the transport of certain hazardous materials presently forbidden or in quantities greater than allowed for cargo-only aircraft.	1
7594	Authorizes the transport of certain Division 6.1 liquids in DOT Specification MC-312 cargo tanks.	2

Table B.1. Active Special Permits

ID	Summary	Code
7605	Authorizes the transport of certain explosives contained in a partially dis-assembled aircraft or canopy assembly.	1
7607	Authorizes the shipment of hydrogen in certain non-DOT specification, seamless stainless steel cylinders.	1
7616	Authorizes the carrier to certify the shipping paper on behalf of the shipper when transporting hazardous materials by rail.	1
7648	Authorizes the carriage of aerial illuminating flares for testing purposes in cargo aircraft only.	3
7657	Authorizes the manufacture, marking and sale of non-DOT specification cylinders, for transportation of certain compressed gases.	2
7694	Authorizes the use of non-DOT specification welded, or seamless, nonrefillable cylinders containing nonliquefied compressed gases.	2
7708	Authorizes the use of non-DOT specification girth welded cylinders for shipment of a Division 2.2 material.	2
7721	Authorizes the manufacture, marking, and sale of non-DOT specification steel cylinders, for transportation of certain Division 2.2 material.	1
7731	Authorizes the manufacture, marking, and sale of non-DOT specification super-insulated portable tanks for shipment of pressurized liquid helium.	2
7737	Authorizes the manufacture, marking, and sale of non-DOT specification seamless aluminum cylinders for shipment of compressed gases.	2
7765	Authorizes the use of nonrefillable, non-DOT specification cylinders, for transportation of a Division 2.2 material.	2
7767	Authorizes the manufacture, marking and sale of non-DOT specification welded steel cylinders, for transportation of nonflammable compressed gases.	
7774	Authorizes the shipment of bromine trifluoride in non-DOT specification cylinders.	2
7823	Authorizes the transport of iodine pentafluoride in non-DOT specification welded stainless steel cylinders complying with DOT Specification 4BW with certain exceptions.	2
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.	1
7862	Authorizes the use of non-DOT specification aluminum, single trip, inside container, for transportation of a Division 2.2 material.	2
7879	Authorizes the shipment of bromine trifluoride in non-DOT specification seamless cylinders.	2
7887	Authorizes the shipment of packages of toy propellant devices as an ORM-D material and excepted from labeling requirements.	1
7891	Authorizes the transport of packages bearing the DANGEROUS WHEN WET label, in motor vehicles which are not placarded FLAMMABLE SOLID W.	1
7928	Authorizes the stowage of certain hazardous materials on the vehicle deck of passenger vessels.	1
7945	Authorizes the use of a non-DOT stainless steel cylinder similar to the DOT Specification 4DS cylinder.	2
7946	Authorizes the transport of various Division 2.2 materials in non-DOT specification steel or aluminum pressure vessels contained in a radiation detector.	2
7951	Authorizes the transport of an aerosol foodstuff in a nonrefillable metal container, complying with DOT Specification 2P with certain exceptions.	2
7954	Authorizes the shipment of Division 2.2 materials in manifolded DOT Specification	1

Table B.1. Active Special Permits

ID	Summary	Code
	3A2400, 3AA2400 or 3AAX2400 cylinders.	
7971	Authorizes the manufacture, marking and sale of non-DOT specification cylinders, for transportation of Division 2.2 materials.	1
7972	Authorizes the transport of limited quantities of explosives in a special shipping container without placarding the vehicle.	1
7991	Authorizes the transport of railway track torpedoes and fusees in flagging kits of specified construction.	1
8006	Authorizes certain Articles, explosives, n.o.s., Division 1.4 explosives to be offered for transportation in commerce without labels.	2
8009	Authorizes the use of DOT Specification 3AAX cylinders made of 4130X steel for transportation of a compressed natural gas.	1
8013	Authorizes the use of a DOT specification cylinder not presently authorized for certain Division 2.1 and 2.2 materials.	2
8023	Authorizes the use of non-DOT specification hooped wrapped FRP cylinders, for shipment of certain compressed gases.	1
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.	1
8074	Authorizes the use of a DOT Specification 3E cylinder without safety devices for transportation of certain Division 2.1 and 2.2 materials.	1
8096	Authorizes the manufacture, marking and sale of non-DOT specification steel cylinders for shipment of certain nonflammable gases.	1
8125	Authorizes the use of non-DOT specification IMO Type 5 portable tanks for transportation of certain flammable and nonflammable gases and flammable liquids.	2
8131	Authorizes the use of a non-DOT specification container made of inconel 718 metal for shipment of a Division 2.2 material.	2
8156	Authorizes the shipment of Division 2.1 materials in DOT Specification 39 cylinders up to 225 cubic inches in volume.	1
8162	Authorizes the manufacture, marking and sale of a non-DOT specification cylinder for shipment of certain Division 2.2 material compressed gases.	1
8178	Authorizes the use of a non-DOT specification composite cylinder for a compressed nonliquefied gas.	1
8196	Authorizes the use of a non-DOT specification portable tank for the transportation of certain compressed gases.	1
8215	Authorizes the shipment of certain identified Division 1.1, 1.2, 1.3 and 1.4 materials non-DOT specification containers.	3
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.	1
8221	Authorizes the use of non-DOT specification high pressure cylinders of welded construction for military missile systems use only.	3
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.	4
8230	Authorizes the shipment of certain Division 5.1 materials in non-DOT specification containers.	1
8232	Authorizes the use of a non-DOT specification portable tank for the transportation of certain compressed gases.	2

Table B.1. Active Special Permits

ID	Summary	Code
8239	Authorizes use of non-DOT specification portable tanks for shipment of certain hazardous materials.	1
8249	Authorizes hazardous materials, which are required to bear the POISON label, to be transported without the label when shipped in prescribed packaging.	1
8255	Authorizes the use of a non-DOT specification cylinder for shipment of certain Division 2.2 material.	2
8299	Authorizes the manufacture, marking and sale of non-DOT specification pressure vessels for shipment of a compressed gases.	2
8307	Authorizes the shipment of a nonpyrotechnic mixture of certain Class 8 materials, gas and an explosive charge in a non-DOT specification container.	2
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.	2
8354	Authorizes the use of a non-DOT specification portable tank for the transportation of certain Class 3 and Division 2.1 materials.	2
8391	Authorizes the use of a non-DOT specification cylinder for shipment of various Division 2.2 materials.	2
8439	Authorizes the manufacture, marking and sale of non-DOT specification cylinders complying with DOT Specification 4DS, with certain exceptions, for shipment of various Division 2.2 materials.	2
8445	Authorizes the shipment of various hazardous substances and wastes packed in inside plastic, glass, earthenware or metal containers, overpacked in a DOT specification removable head steel, fiber or polyethylene drum only for the purposes of disposal, repackaging or reprocessing.	5
8451	Authorizes the transport of not more than 25 grams of Division 1.1 materials and pyrotechnic materials in a special shipping container.	1
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.	2
8472	Authorizes the use of non-DOT specification, metal, single trip, inside container for shipment of a Division 2.2 materials.	1
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.	2
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.	1
8523	Authorizes the shipment of various Division 2.1 and 2.2 materials in non-DOT specification IMO Type 5 portable tanks.	2
8554	Authorizes the transport of propellant explosives and blasting agents in DOT Specification MC-306, MC-307, and MC-312 cargo tanks.	1
8554	Authorizes the use of a non-DOT specification bulk, hopper-type tank for transportation of Division 1.5 or ammonium nitrate-fuel oil mixtures.	1
8556	Authorizes the transportation in commerce of non-DOT specification portable tanks for shipment of liquefied hydrogen.	2
8561	Authorizes the manufacture, marking and sale of non-DOT specification stainless steel cylinders similar to a DOT Specification 3HT, for shipment of oxygen.	2
8569	Authorizes the shipment of 6.6 gallons of hydrazine, aqueous solution in non-DOT specification F-16 emergency fuel tanks.	1

Table B.1. Active Special Permits

ID	Summary	Code
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.	2
8650	Authorizes the use of a non-DOT specification steel portable tank for shipment of motor fuel antiknock compound.	2
8678	Authorizes the use of non-DOT specification IMCO Type V portable tank for shipment of Division 2.1 and 2.2 materials.	2
8697	Authorizes the transport of propane in DOT Specification 4B240, 4BA240, 4BW240 cylinders via helicopter utilizing sling loads.	4
8698	Authorizes the manufacture, marking and sale of non-DOT specification portable tanks for shipment of non-pressurized nitrogen, refrigerated liquid.	2
8718	Authorizes the manufacture, marking, and sale of non-DOT specification, limited cycle life, fiberglass reinforced plastic cylinders for shipment of various Division 2.2 materials.	2
8720	Authorizes the manufacture, marking and sale of non-DOT specification nonreusable welded steel cylinders similar to DOT Specification 39 for shipment of various nonflammable gases.	2
8723	Authorizes the use of non-DOT specification motor vehicles for bulk shipment of certain blasting agents.	5
8725	Authorizes the manufacture, marking, and sale of non-DOT specification fiber reinforced plastic hoop wrapped cylinders, for shipment of certain compressed gases.	2
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.	2
8750	Authorizes the manufacture, marking and sale of non-DOT specification girth welded steel cylinders for shipment of certain Division 2.2 materials.	2
8757	Authorizes the manufacture, marking, and sale of non-DOT specification stainless steel cylinders, for shipment of compressed gases.	2
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 or more hazardous material.	5
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.	2
8786	Authorizes the use of a non-DOT specification cylinder for shipment of limited quantities of compressed gases.	3
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.	2
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.	2
8815	Authorizes the transport of certain blasting agents in a cement mixer motor vehicle.	2
8820	Authorizes the use of a non-DOT specification IMCO Type 5 portable tank, for transportation of liquefied compressed gases.	2
8826	Authorizes the carriage of certain Division 1.1, 1.2, 1.3 and 1.4 materials that are not permitted for air shipment or are in quantities greater than those prescribed for shipment by air.	1

Table B.1. Active Special Permits

ID	Summary	Code
8842	Authorizes the use of non-DOT specification small, high pressure cylinders of welded construction for aircraft use or military weapons system only.	2
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.	2
8854	Authorizes the manufacture, marking, and sale of non-DOT specification IMCO Type 5 portable tanks, for shipment of hydrogen fluoride, classed as a Classed 8 material.	2
8865	Authorizes the shipment of helium, classed as a nonflammable gas in a manifolded pressure vessel system including a steel cylinder similar to DOT Specification 39.	2
8915	Authorizes the shipment of various Division 2.1 and 2.2 materials in DOT Specification 3A, 3AA, 3AX, 3AAX and 3T cylinders.	1
8920	Authorizes the manufacture, marking, and sale of non-DOT specification welded high pressure nonrefillable cylinders, for transportation of Division 2.2 materials.	2
8927	Authorizes the manufacture, marking, and sale of non-DOT specification girth, welded steel spheres, for transportation of Division 2.2 materials.	2
8930	Authorizes 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.	1
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.	5
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).	1
8962	Authorizes the manufacture, marking and sale of non-DOT specification girth welded stainless steel cylinders for transportation of a compressed gas.	2
8965	Authorizes the manufacture, marking and sale of non-DOT specification fiber reinforced plastic hoop wrapped cylinders for shipment of certain compressed gases.	1
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.	2
8990	Authorizes the manufacture, marking, and sale of non-DOT specification nonrefillable steel inside cylinders, for transportation of Division 2.2 materials gases.	2
8995	Authorizes the use of non-DOT specification steel portable tanks for transportation of certain nonpoisonous, nonflammable compressed gases.	2
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.	2
9023	Authorizes the shipment of various refrigerant gases in non-DOT specification IMO Type 5 portable tanks.	2
9024	Authorizes the shipment of various refrigerant gases in non-DOT specification IMO Type 5 portable tanks.	2
9030	Authorizes the use of non-DOT specification, metal, single trip, inside container for shipment of a Division 2.2 material.	2
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.	2

Table B.1. Active Special Permits

ID	Summary	Code
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.	2
9067	Authorizes the manufacture, marking and sale of non-DOT specification portable tanks manifolded together with a frame and securely mounted on a truck chassis for transportation of flammable liquids and corrosive liquids.	2
9070	Authorizes the use of non-DOT specification steel portable tanks, for transportation of a flammable liquid.	2
9092	Authorizes the manufacture, marking, and sale of 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.	2
9120	Authorizes the use of a non-DOT specification pressure vessel for transportation of certain Division 2.1 materials.	2
9149	Authorizes the use of non-DOT specification IMO Type 1 portable tanks for transportation of motor fuel antiknock compound.	2
9157	Authorizes the use of a non-DOT specification multiunit tank car tank, for transportation of a Division 2.1 material.	2
9166	Authorizes the manufacture, marking, and sale of cargo tanks manufactured from glass fiber reinforced plastics, for transportation of Class 3 liquids, Class 8 materials and Division 6.1 materials.	1
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.	1
9184	Authorizes the shipment of calcium carbide and substances which in contact with water emit Division 2.1 gases, solid n.o.s. (strontium aluminate), in polyethylene-lined woven polypropylene collapsible bags in truckload or carload lots only.	1
9193	Authorizes the shipment of a downhole logging tool (snode) that contains an accelerator housing, one section of which is charged with sulfur hexafluoride to a pressure of 80 psig.	1
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.	1
9211	Authorizes the installation and operation of electrically-powered lighting, air conditioning, alarm, and fire detection systems in cargo holds containing Division 1.1, 1.2, 1.3 and 1.4 explosives in a Maritime Prepositioning Ship (TAKX).	2
9221	Authorizes the manufacture, marking, and sale of non-DOT specification girth welded stainless steel cylinders, for shipment of Division 2.2 materials.	2
9228	Authorizes the use of non-DOT specification cargo tanks, for transportation of Class 8 materials.	2
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.	1
9233	Authorizes the shipment of dry chromic acid, in a non-DOT specification 900 cubic-foot, two-compartment, sift-proof covered hopper type tank motor vehicle.	2
9266	Authorizes the use of non-DOT specification IMO Type 5 portable tanks for shipment of liquefied compressed gases.	1
9271	Authorizes deviation from car separation requirements for transportation of Division 1.1 and 1.2 explosives.	1
9275	Authorizes further exceptions to specification packaging, marking and labeling	2

Table B.1. Active Special Permits

ID	Summary	Code
	requirements for certain ethyl alcohol formulations.	
9295	Authorizes the manufacture, marking, and sale of non-DOT specification toroidal pressure vessel equivalent to a DOT Specification 39 cylinder, for transportation of Division 2.2 and 2.1 materials.	2
9317	Authorizes the use of non-DOT specification skid mounted portable tanks to be transported on public highway within company property.	2
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.	2
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.	2
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.	2
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.	2
9387	Authorizes the transport of an organic phosphate compound pressurized, with a Division 2.2 gas, in concentrations and quantities greater than now authorized in the regulations, in DOT Specification 3B cylinders.	2
9388	Authorizes the use of DOT specification tank cars which have had the amount of liquefied gas loaded into the tank measured by a metering device.	2
9393	Authorizes the manufacture, marking and sale of non-DOT specification steel cylinders in compliance with DOT Specification 39, with certain exceptions, for transportation of Division 2.2 gases.	2
9408	Authorizes the transport of silicon tetrafluoride in DOT Specification 3AAX cylinders.	2
9413	Authorizes the transport of a chemical kit which contains small amounts of hydrochloric acid and zinc powder.	2
9418	Authorizes the manufacture, marking, and sale of non-DOT specification portable tank assemblies manifolded together withing a frame and securely mounted on a truck chassis for transportation of Class 3 and Class 8 liquids.	2
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.	2
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.	2
9462	Authorizes the manufacture, marking and sale of 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 liquids.	2
9478	Authorizes the manufacture, marking and sale of non-DOT specification cylinders conforming with DOT Specification 3AL for shape and certain tests for shipment of Division 2.2 gases.	2
9485	Authorizes the transport of an insecticide, liquefied gas mixture in DOT Specification 4BA260 cylinders.	2

Table B.1. Active Special Permits

ID	Summary	Code
9490	Authorizes the use of non-DOT specification IMO Type 5 portable tanks for shipment of Division 2.1 and Division 2.2 gases.	2
9491	Authorizes the transport of hexafluoroethane and trifluoromethane in DOT Specification 3AL cylinders.	2
9507	Authorizes the shipment of various hazardous substances and wastes packed in inside plastic, glass, earthenware or metal containers, overpacked in a DOT specification removable head steel, fiber or polyethylene drum only for the purposes of disposal, repackaging or reprocessing.	2
9508	Authorizes the use of a DOT Specification 4BW240 cylinder that is retested decennially instead of quinquennially, for transportation of a Division 4.3 material.	2
9527	Authorizes the carriage of various Division 1.1, 1.2, 1.3 and 1.4 explosives not permitted for air shipment or in quantities greater than those prescribed for air shipment.	1
9530	Authorizes the use of non-DOT specification IMO Type 5 portable tanks for transportation of Division 2.2 gases.	2
9548	Authorizes the use of a non-DOT specification IMO Type 1 portable tank, for shipment of motor fuel antiknock compound.	1
9551	Authorizes the carriage of Division 1.1, 1.2, 1.3 and 1.4 explosives that are not permitted for air shipment or in quantities greater than those prescribed for shipment by air.	1
9571	Authorizes the transport of not more than 5 grams of an approved or unapproved explosive in a special packaging essentially without regulation.	1
9579	Authorizes the use of a non-DOT specification motor vehicle for bulk shipment of Division 5.1 materials.	1
9596	Authorizes the use of a non-DOT specification insulated portable tank for transportation of a Division 2.2 gases.	1
9599	Authorizes the manufacture, marking and sale of non-DOT specification portable tanks constructed of 304 stainless steel with a carbon steel jacket and approximately 4,000 gallon capacity for shipment of argon, refrigerated liquid, a Division 2.2 gas.	2
9609	Authorizes the manufacture, marking, and sale of welded non-DOT specification nonreusable, nonrefillable steel toroidal pressure vessel for a military system.	2
9610	Authorizes the transport of DOT Specification 21C fiber drums which contain not more than 5 grams of smokeless powder essentially without regulation.	2
9617	Authorizes further exceptions to specification packaging, marking and labeling requirements for certain ethyl alcohol formulations.	2
9617	Authorizes the transport of a specially defined detonating cord on the same motor vehicle with Division 1.1 and Division 1.4 detonators.	2
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.	2
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.	2
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.	3
9659	Authorizes the manufacture, marking, and sale of non-DOT specification fiber reinforced plastic (FRP) full composite (FC) cylinder, for transportation of certain Division 2.2 and 2.1 gases.	2

Table B.1. Active Special Permits

ID	Summary	Code
9672	Authorizes the shipment of metal alkyl solutions in a DOT Specification MC-330 or MC-331 cargo tank with a filling/discharge opening that does not have a remote self-closing internal valve.	2
9689	Authorizes drums containing dense or heavy materials, such as toluene diisocyanate, and other hazardous materials not exceeding 12.09 pounds per gallon, to be secured against movement in a transport vehicle by the use of a fabric restraint dunnage system when shipped by cargo vessel.	1
9694	Authorizes the use of MC-331 cargo tanks equipped with angle valves and pressure relief valves not presently authorized in the regulations.	2
9700	Authorizes the use of a DOT Specification 51 portable tank having pressure relief devices with a start-to-discharge pressure of 75 psig, for transportation of flammable, poisonous liquid.	1
9706	Authorizes the manufacture, marking, and sale of non-DOT specification cylinder complying in part with the DOT-3AA specification, for transportation of certain Division 2.1 gases, Division 2.2 gases and Division 6.1 materials.	2
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.	2
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.	2
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.	2
9735	Authorizes the Dangerous Cargo Manifest on cargo vessels owned and operated by Hapag-Lloyd AG to be retained in a location other than on or near the bridge of the vessel while the vessel is in port.	1
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).	2
9758	Authorizes the shipment of certain Division 2.1 gases in a nonrefillable, non-DOT inside container conforming with the DOT-2P except for diameter and capacity.	2
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 gases.	5
9778	Authorizes the shipment of sulfur hexafluoride, classed as a Division 2.2 gas, in non-DOT specification tanks and tubes, used in oil well logging service.	2
9789	Authorizes the shipment of a Class 3, flammable liquid, corrosive, n.o.s. in DOT Specification 57 portable tanks.	2
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.	2
9791	Authorizes the manufacture, marking, and sale of a high strength, non-specification cylinder conforming in part with the DOT-3AA specification for transportation of certain nonflammable, nonliquefied compressed gases.	2
9819	Authorizes the shipment of Class 3 liquids and Class 8 liquids in non-DOT specification stainless steel portable tanks.	2
9830	Authorizes manufacture, marking and sale of non-DOT specification stainless steel	2

Table B.1. Active Special Permits

ID	Summary	Code
	cylinders to transport those materials authorized in DOT Specification 4BA cylinders.	
9831	Authorizes the manufacture, mark and sale of vacuum insulated non-DOT specification portable tanks for transportation of helium, refrigerated liquid.	2
9832	Authorizes the manufacture, marking, and sale of vacuum insulated non-DOT specification portable tanks, for transportation of certain hazardous materials.	2
9837	Authorizes manufacture, marking and sale of DOT Specification 4B cylinders using the lot number in lieu of the serial number.	2
9856	Authorizes the use of non-DOT specification packaging and patient use of oxygen systems on board a passenger ship.	5
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.	2
9880	Authorizes the manufacture, marking and sale of non-DOT specification containers described as hermetically sealed electron tube devices.	5
9884	Authorizes the manufacture, marking, and sale of a non-DOT specification insulated cylinder conforming with 49 CFR 178.57 except 178.57-2 and 178.57-8(c) and with DOT Specification 4L with exceptions.	2
9894	Authorizes the manufacture, marking, and sale of non-DOT specification cylinders for transport of certain hazardous materials.	2
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.	2
9929	Authorizes the transport of rocket motors in packaging not authorized in the Department's Hazardous Materials Regulations and having weights exceeding those specified in the regulations.	2
9940	Authorizes the manufacture, marking, and sale of non-DOT specification, metal, single trip, inside containers, described as hermetically-sealed electron tube devices.	4
9965	Authorizes the marking and shipment of electrical transformers and/or capacitors containing bulk quantities of polychlorinated biphenyl contaminated oil as non-bulk packagings.	2
9969	Authorizes the transport of small amounts of liquids and gases in diffusion tubes overpacked in capped pipe nipples.	2
9985	Authorizes the manufacture, marking and sale of DOT Specification 4L cylinder for carbon dioxide, refrigerated liquid and provides for filling and discharging without removal from the vehicle.	1
9998	Authorizes the shipment of nitrogen in hydraulic accumulators.	2
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.	2
10028	Authorizes the shipment of dimethyl sulfate in DOT Specification 112A200W tank cars.	2
10031	Authorizes the manufacture, marking, and sale of non-DOT specification, insulated portable tanks for shipment of liquefied helium.	2
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 overpacked in outside non-DOT polyethylene bins of 30 cubic-foot capacity.	2
10045	Authorizes the transportation of non-fissile radioactive materials packages in	1

Table B.1. Active Special Permits

ID	Summary	Code
	specifically approved locations aboard highway vehicles when their combined transport indices exceed 50 or the separation distance criteria cannot be met.	
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.	2
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.	2
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.	1
10064	Authorizes the manufacture, marking and sale of a non-refillable, non-DOT specification cylinder for shipment of Division 2.2 gases.	2
10066	Authorizes the manufacture, marking and sale of a welded, stainless steel, non-DOT specification cylinder for shipment of a Division 2.2 gas.	2
10084	Authorizes the use of non-DOT specification cargo tanks manufactured from glass fiber reinforced plastics (GFRP) for shipment of certain Class 3, Class 8 or Division 6.1 materials or semi solid waste materials.	2
10131	Authorizes the transport of certain hazardous materials in a container conforming with the DOT Specification 2Q except for size, marking and test.	2
10143	Authorizes the transport of certain hazardous materials in a container conforming with DOT Specification 2Q exception for size and marking.	2
10146	Authorizes the manufacture, marking and sale of super-insulated, non-DOT specification portable tanks for shipment of liquefied helium.	2
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.	2
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.	5
10184	Authorizes the shipment of a specific gas mixture in DOT Specification 4B, 4BA or 4BW cylinders retested in accordance with the provisions of 49 CFR 173.34(e)((9) and (e)(10).	4
10195	Authorizes a 15 year service life for cylinders that are subjected to 5 year internal and external visual inspections when used in dedicated compatible catalyst formulation service.	2
10216	Authorizes the rebuilding and sale of log pressure, DOT Specification 4B, 4BA and 4BW cylinders, for shipment of compressed gases, flammable liquids and corrosive materials.	2
10227	Authorizes the manufacture, marking, and sale of insulated non-DOT specification cylinders for shipments of liquid oxygen.	2
10232	Authorizes the transportation of certain refrigerant gases in a container conforming in part with DOT Specification 2Q.	2
10247	Authorizes the transport of small quantities of material which are not authorized under 49 CFR 173.4	4
10266	Authorizes the use of a non-DOT specification container.	2
10277	Authorizes the manufacture, marking, and sale of non-DOT specification cylinder conforming in part with DOT Specification 4BA.	2
10278	Authorizes the shipment of certain Division 2.1 gases in a nonrefillable, non-DOT specification inside container conforming with the DOT Specification 2P except for	2

Table B.1. Active Special Permits

ID	Summary	Code
	diameter and capacity.	
10279	Authorizes the manufacture, marking, and sale of nonrefillable non-DOT specification inside metal containers conforming with DOT Specification 2P except for size.	2
10285	Authorizes shipment of residual amounts of ammonia in non-DOT specification packagings.	5
10297	Authorizes the rebuilding and sale of DOT Specification 4B, 4BA and 4BW cylinders for transportation of compressed gases, Class 3 liquids, Class 8 materials and other hazardous materials..	2
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.	2
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.	2
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.	2
10326	Authorizes the manufacture, marking and sale of a non-DOT specification welded pressure vessel comparable to DOT 3HT cylinder with certain exceptions.	2
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.	2
10389	Authorizes tank car tanks loaded with chlorine to remain attached to transfer connection when the unloading process is discontinued.	2
10395	Authorizes highway transportation of methane, refrigerated liquid, classed as flammable gas in non-DOT specification cylinders built to 4 L specification.	2
10407	Authorizes the use of non-DOT specification, stainless steel, radiation detection devices, filled with a Division 2.2, nontoxic gas.	2
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).	4
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.	5
10429	Authorizes the discharge of certain Class 3 and Class 8 liquids from DOT Specification 57 stainless steel portable tanks without removing the tanks from the vehicle on which it is transported.	4
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.	2
10441	Authorizes the transportation by highway of lab pack quantities of cyanides on the same motor vehicle with non-lab packed acidic materials not to exceed 55 gallons per container.	2
10442	Authorizes the shipment of waste materials contaminated with small quantities of explosives in specially authorized packagings for incineration.	2
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.	2

Table B.1. Active Special Permits

ID	Summary	Code
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.	4
10475	Authorizes the rebuilding and sale of DOT Specification 4B, 4BA and 4BW cylinders for the transportation of propane.	2
10480	Authorizes the use of a vacuum insulated, cold mass shielded, non-DOT specification portable tank for transportation of liquefied helium.	2
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.	2
10497	Authorizes the shipment of nitrogen tetroxide in non-DOT specification stainless steel tanks.	5
10501	Authorizes the manufacture, marking and sale of large, reusable, pallatized 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	2
10511	Authorizes the shipment of certain Division 2.2 gases in a non-DOT specification packaging.	2
10517	Authorizes the retesting of DOT Specification 57 portable tanks fabricated of stainless steel at five year intervals.	2
10529	Authorizes the use of non-DOT specification containers described as hermetically sealed electron tube devices.	2
10552	Authorizes the use of tank car tanks loaded with chlorine, which is a Division 2.3 gas, to remain standing with unloading connections attached.	2
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.	2
10556	Authorizes the transportation of certain hazardous materials to be shipped (non-pressurized) inside the material hoses, pump chambers (cylinder) and dispensing hoses of Liquid Control's dispensing units.	2
10590	Authorizes the manufacture, marking and sale of a nonrefillable, 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.	2
10597	Authorizes the shipment of Class 3 liquids and/or Division 2.1 gases in temperature controlled equipment.	2
10603	Authorizes the manufacture, mark, sale and use of a refillable non-DOT specification cylinder conforming with all regulations applicable to DOT 3AA specifications cylinder, except as specified herein, for the transportation in commerce of the materials authorized by this special permit.	2
10631	Authorizes the use of a DOT Specification MC 338 cargo tank for shipment of certain hazardous materials.	2
10646	Authorizes the transportation of a Division 2.1 gas in a non-DOT specification cylinder.	2
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.	2
10650	Authorizes tank cars, containing Division 2.1 gases, Class 3 liquids, and other regulated materials (ORM-E), to remain standing with unloading connections attached when no product is being transferred.	2

Table B.1. Active Special Permits

ID	Summary	Code
10656	Authorizes state radiation control officials to approve, on a case-by-case basis, shipments of metal containing unknown amounts of unidentified radionuclides in transport vehicles without regard to specification packaging, marking, labeling, placarding, and certain shipping paper requirements.	2
10664	Authorizes the manufacture, mark and sale of fully overwrapped high pressure cylinders consisting of aluminum liners overwrapped in carbon and glass fibers for transportation of nonliquified compressed gases.	2
10672	Authorizes the manufacture, marking and sale of specially-designed composite type packaging for shipment liquid and solid hazardous materials required to bear the POISON, KEEP AWAY FROM FOOD, FLAMMABLE LIQUID, FLAMMABLE SOLID OR CORROSIVE labels.	2
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.	2
10684	Authorizes the manufacture, marking and sale of non-DOT specification insulated portable tank for the shipment of nitrogen, refrigerated liquid.	2
10688	Authorizes the carriage of gasoline in non-DOT specification polyethylene containers overpacked in plywood boxes in small, passenger-carrying aircraft within the State of Alaska to meet the needs of a passenger.	2
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.	2
10695	Authorizes the transportation of various Division 5.1 products in ten pound or less plastic bottles overpacked with strong outside containers.	2
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.	2
10704	Authorizes the shipment of flammable and nonflammable gas aerosols complying with DOT specification 2P or 2Q containers.	1
10705	Authorizes the transportation of packages containing acrolein, inhibited, Division 6.1., to be exempted from the segregation requirements, when shipped via highway.	5
10709	Authorizes the shipment of certain mixtures of Class 3 and Class 8 liquids in stainless steel DOT Specification 57 portable tanks.	5
10741	Authorizes the use of a non-DOT specification cylinder comparable to a 3AX cylinder for use transporting compressed natural gas.	2
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.	2
10753	Authorizes transportation of aluminum phosphide, Division 4.1 material, in private owned pest control vehicles without placards.	2
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 liquids.	2
10772	Authorizes the manufacture, marking and sale of cargo tank motor vehicles which comply with DOT Specification MC 338 except that each tank has a sump location which does not meet the requirement of 49 CFR 178-338-4(c).	2
10776	Authorizes the manufacture, marking and sale of non-DOT specification cylinders made in conformance with DOT Specification 3E with exceptions, for shipment of	2

Table B.1. Active Special Permits

ID	Summary	Code
	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.	1
10785	Authorizes the manufacture, marking and sale of non-DOT specification containers (radiation detection chamber) in certain non-contacting measurement systems.	5
10788	Authorizes the manufacture, marking and sale of a non-DOT specification nonrefillable, steel inside cylinder, for the transportation of Division 2.2 gases.	2
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.	1
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).	2
10795	Authorizes the loading of tank cars coupled in a series with the bottom discharge outlet caps in place on all cars except the first and last, the setting of the hand brake and the blocking of a wheel in both directions on the first and last cars of a series of coupled tank cars prior to unloading.	2
10798	Authorizes tank cars, containing chlorine, to remain standing with unloading connections attached when no product is being transferred.	2
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.	2
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.	2
10814	Authorizes the manufacture, marking and sale of a industrial X-ray instrumentation for the transportation of nonliquefied sulfur hexafluoride.	5
10832	Authorizes the transportation for disposal of unapproved waste explosive materials used in passive restraint systems.	1
10839	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.	1
10840	Authorizes the manufacture, marking and sale of a non-DODT specification full opening head, steel salvage cylinder for overpacking damaged or leaking sulfur dioxide cylinders.	2
10850	Authorizes the transportation of certain cylinders subjected to a complete external visual inspection in lieu of the periodic hydrostatic retest.	2
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.	2
10867	Authorizes the manufacture, mark and sell of non-DOT specification welded titanium cylinder having 35 cubic inches maximum water capacity and 3,200 psig maximum service pressure for use in transporting nitrogen, with 5% trace of helium gas, a Division 2.2 gas.	2
10869	Authorizes the transportation of certain compressed gases in non-DOT specification steel cylinders.	2
10878	Authorizes the manufacture, marking and sale of non-DOT specification fiberglass reinforced plastic (FRP) cargo tanks, for transportation of certain Class 8 liquids.	2
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	2

Table B.1. Active Special Permits

ID	Summary	Code
	having a capacity not over 1000kg (2206 pounds) and top and bottom outlets, for shipment of ammonium nitrate-fuel oil mixture ANFO.	
10882	Authorizes the manufacture, marking, sale and use of heating equipment for the transportation of certain Class 3 liquids or Division 2.1 gases.	2
10885	Authorizes the transportation of certain Class 1.1 explosives which exceed the quantity limitations or are forbidden for transportation by air.	5
10887	Authorizes the shipment of dinitrogen tetroxide in specially designed DOT Specification 51 portable tanks.	1
10888	Authorizes tank cars, containing chlorine, to remain standing with unloading connections attached when no product is being transferred.	2
10897	Authorizes the transportation of a water reactive material in special packaging without being labeled or marked with the proper shipping name.	5
10898	Authorizes the transportation of a Division 2.2 material (nitrogen) in diaphragm and bladder type accumulators.	2
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.	1
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.	2
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.	2
10915	Authorizes 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.	2
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.	3
10922	Authorizes the use of certain DOT Specification 3A or 3AA specification cylinders in the transportation of certain compressed gases.	2
10929	Authorizes tank cars, containing various classes of hazardous materials to remain standing with unloading connection attached when no product is being transferred, provided that a minimal level of monitoring is maintained.	1
10933	Authorizes the transportation of labpack quantities of hazardous materials with other containerized hazardous materials with partial relief from certain segregation requirements.	1
10945	Authorizes 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 material classed as flammable and non-flammable gases.	2
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.	1
10950	Authorizes the transportation of anhydrous ammonia in MC 330, 331 and non-DOT specification cargo tanks mounted on specially designed trucks.	2
10951	Authorizes the transportation of a Division 2.3, Hazard Zone C material, in certain DOT Specification 105A600W and 105S600W tank cars equipped with a pressure	1

Table B.1. Active Special Permits

ID	Summary	Code
	control device in addition to the required safety relief valve.	
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.	2
10964	Request for clarification of certain terminology used in DOT-E 10964 (Similar to 1/19/04 request)	2
10964	Authorizes the manufacture, mark and sale of non-DOT specification full open head, steel salvage cylinders for overpacking damaged or leaking chlorine cylinders.	2
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.	2
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.	2
10977	Authorizes the manufacture, marking and sale of a specially designed combination packaging for transportation of limited quantities of hazardous materials which are required to be labeled poison, KEEP AWAY FROM FOOD, flammable liquid flammable solid, corrosive, oxidizer or DANGEROUS WHEN WET label	2
10981	Authorizes the transportation of explosives, blasting, Type E Division 1.5D contained in DOT Specification IM 102 portable tanks stowed below deck on privately owned or chartered, dedicated explosives vessels.	1
10984	Authorizes the transportation of specially designed UN 1A1 steel drums for the shipment of dichlorosilane.	2
10985	Authorizes tank cars, containing chlorine, to remain standing with unloading connections attached when no product is being transferred, provided that a minimal level of monitoring is maintained.	1
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.	2
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 special permit.	1
10997	Authorizes the manufacture, mark and sell of non-DOT specification reusable cylinders having a 277 cubic inches maximum water capacity constructed of titanium alloy and built to requirements of DOT-specification 3HT for use in transportation nitrogen or mixtures classed as Division 2.2.	2
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.	2
11020	Authorizes chlorine filled tank cars to remain attached during unloading without the physical presence of an unloader.	2
11025	Authorizes the manufacture, mark and sell of a non-DOT specification welded stainless steel cylinder having 200 cubic inches maximum water capacity and 3800 psi maximum service pressure for transporting various Division 2.2 gases.	2
11031	Authorizes the manufacture, marking and sale of non-DOT specification bulk packagings to be used for the transportation of certain Class 9 resins.	2
11032	Authorizes the manufacture, marking and sale of a non-DOT specification packaging for the transportation of compressed oxygen.	2

Table B.1. Active Special Permits

ID	Summary	Code
11041	Authorizes the transportation of a Class 9 material (aqueous solution containing not more than 12% ammonium perchlorate, 0.5% nitroguanidine and 50 ppm of RDX in cargo tanks.	5
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.	1
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.	1
11054	Authorizes the manufacture, mark and sell of non-DOT specification cylinders conforming to 3A specification for use in shipment of various hazardous materials classed in Class 3, Division 2.1 and 2.3.	2
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.	1
11072	Authorizes the manufacture, mark and sale non-DOT specification cylinders which meets the requirements of a DOT specification 39 cylinder for the transportation of refrigerant 134A, Division 2.2.	4
11073	Authorizes the transportation of chlorosulfonic acid in DOT Class 112S tank cars constructed of ASTM 204-70, Type 304L stainless steel, and equipped with full head shields.	5
11075	Authorizes relief from certain shipping paper, marking, placarding, and other requirements involving full trains of closed gondola cars containing soils and debris having low concentrations of naturally occurring radioactive material.	1
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 173.227.	3
11078	Authorizes the transport of batteries, wet, filled with alkali, electric storage, classed as Class 8, in specially designed packaging meeting UN 1H2 Packing Group III requirements.	2
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.	2
11099	Authorizes acoustic emission retesting of DOT-Specification 3A and 3AA compressed gas cylinders (trailer tubes).	1
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.	1
11110	Authorizes the transportation of certain hazardous materials in an inaccessible location aboard an aircraft in quantities exceeding those authorized by 175.75(a)(2).	1
11136	Authorizes the transportation of Fireworks, Division 1.3G, UN0335 by cargo aircraft only, which is otherwise forbidden by the regulations.	1
11147	Authorizes the transportation of aircraft safety equipment which utilizes non-DOT specification cylinders containing certain compressed gases, Division 2.2.	5
11150	Authorizes the transportation of liquefied petroleum gas in DOT specification cylinders, secured to transport vehicles on passenger ferry vessels	5
11151	Authorizes the transport of limited quantities of hazardous waste, classed as Division 6.1, Hazard Zone A material in combination packaging in the same	2

Table B.1. Active Special Permits

ID	Summary	Code
	transport vehicle with Class 3 and 8, Division 4.1, 4.2, 4.3, 5.1 and 5.2.	
11153	Authorizes the transport of limited quantities of hazardous waste, classed Class 8.	2
11156	Authorizes the transport of small quantities of reagent chemicals in inside glass bottles packed in metal boxes overpacked in a strong wooden or fiberboard box.	2
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.	2
11168	Authorizes the transportation of limited quantities of 1-methyl-3-nitro-1-nitrosoguanidine (MNNG) and 1-ethyl-3-nitro-1-nitrosoguanidine (ENNG) in prescribed packaging as a Division 4.1 material.	1
11169	Authorizes the transportation of certain liquids, classed as Division 6.1 and Class 8 which are poisonous by inhalation, packaged in a UN6PA1 composite packaging in an outer wooden box.	1
11172	Authorizes the transportation of non-DOT specification (spherically shaped) cylinders, comparable to DOT specification 3A, used in a deep submergence rescue system designed to remove crew members trapped in a disabled submarine, to store air, nitrogen, and oxygen in non-liquefied form.	2
11173	Authorizes the transportation of certain hazardous materials in stainless steel cylinders conforming in part with the DOT-4BW specification.	4
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.	2
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.	1
11184	Authorizes the transportation of certain Class 3 materials in DOT Specification 105J300W tank cars with a safety relief device rated at 25 percent of the tank test pressure.	1
11185	Authorizes transportation of regulated medical waste in non-DOT specification bulk packaging. The special permit 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.	1
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.	2
11194	Authorizes 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.	2
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.	1
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.	1
11209	Authorizes the transportation of liquefied petroleum gas (LPG) in non-DOT specification cargo tank motor vehicles exclusively for agricultural purposes when operated by a private carrier.	2

Table B.1. Active Special Permits

ID	Summary	Code
11215	Authorizes the transportation in commerce of certain hazardous materials, contained in a pegasus XL three stage winged solid fuel rocket in captive carry launch (CCL) configuration secured beneath a McDonnell Douglas L-1011 (L-1011) aircraft. The flight of the L-1011 must be in accordance with the	1
11220	Authorizes the refilling and reuse of certain packagings, which have not been subjected to the leakproofness test in accordance with 49 CFR 173.28(b)(2).	1
11227	Authorizes the transportation of certain cartridges, power devices (UN 0276) 1.4C in specially designed vehicles and offshore tool pallets.	1
11227	Authorizes transportation of a specially designed packaging configuration containing sulfur hexafluoride, Division 2.2.	1
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	1
11232	Authorizes the transportation of limited quantity acetylene, Division 2.1, in permanently affixed 100 lb. bottles on state-owned maintenance/vehicles transported on passenger vessels for emergency repairs.	2
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.	1
11244	Authorizes manufacture, marking and sale of non-DOT specification titanium alloy cylinders for transportation of air, refrigerated liquid.	1
11248	Authorizes the manufacture, mark and sale of specially designed combination type packaging for transporting certain hazardous materials without required labeling and placarding in limited quantities.	1
11252	Authorizes the transportation of certain hazardous materials, in certain non-DOT specification metal aerosol containers.	2
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.	1
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.	1
11263	Authorizes the emergency special permit of a DOT Specification 112S340W tank car, containing a partial load of a Class 2.2 material.	1
11265	Authorizes the shipment of ethylene oxide contained in aluminum canisters overpacked in fiberboard boxes to carry a Division 2.1 label instead of a Division 2.3 label.	1
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.	1
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.	1
11281	Authorizes the transportation of Class 8 and Division 6.1, PIH material in uninsulated MC 312, 330, 331 and DOT 412 cargo tanks and DOT 51 portable tanks of stainless steel construction.	1
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.	1
11289	Authorizes the manufacture, marking and sale of DOT Specification 39 cylinders	1

Table B.1. Active Special Permits

ID	Summary	Code
	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.	1
11296	Authorizes the transportation in commerce of certain waste aerosol cans containing flammable gas propellants, including isobutane and propane, overpacked in removable head DOT Specification 17H for UN1A2 steel drum, or disposal.	5
11296	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.	5
11318	Authorizes the continued transportation of certain uninsulated DOT Specification 51 portable tanks that are currently authorized for titanium tetrachloride.	1
11321	Authorizes the transportation of uninsulated DOT specification cargo tanks and portable tanks containing titanium tetrachloride which is poisonous by inhalation.	2
11323	Authorizes the manufacture, marking and sale of non-DOT specification cylinders for the transportation of hazardous materials authorized in DOT Specification 39 cylinders.	2
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.	1
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.	1
11344	Authorizes tank cars, containing acetic acid, glacial, to remain standing with unloading connections attached when no product is being transferred, provided that a minimal level of monitoring is maintained.	1
11348	Authorizes the transportation of ammonium perrhenate (solid), classed as Division 4.1 under the proper shipping name oxidizing substances, solid, n.o.s., UN1479, which contain rhenium.	1
11352	Authorizes the transportation of certain hazardous materials across a public road, from one part a plant to another.	1
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.	1
11360	Authorizes the transportation of certain non-DOT specification pressure vessels containing compressed hydrogen, which are a component part of a nickel-hydrogen battery.	2
11373	Authorizes the transportation in commerce of certain waste aerosol cans containing flammable gas propellants, including isobutane and propane, overpacked in removable head DOT Specification 17H for UN1A2 steel drum, or disposal.	1
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.	1
11378	Authorizes the transportation of certain hazardous materials in non-DOT specification stainless steel cylinders comparable to DOT Specification 4BW.	2
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.	2

Table B.1. Active Special Permits

ID	Summary	Code
11380	Authorizes the transportation of certain compressed hydrocarbon gases in non-DOT specification cylinders.	2
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.	2
11383	Authorizes the transportation of certain hazardous materials in non-DOT specification stainless steel cylinders comparable to DOT Specification 4BW.	2
11386	Authorizes the transportation of certain liquefied petroleum gases and acetylene, contained in DOT Specification cylinders, on board passenger ferry vessels, which are carrying more than 25 passengers.	1
11388	Authorizes the transportation of DOT Specification 57 portable tanks made of stainless steel, containing certain dual hazard liquids.	1
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.	2
11396	Authorizes the transportation in commerce of certain flammable, non-flammable gases, Division 2.1 and 2.2 in aerosol containers overpacked in strong outside packages with no weight limitations.	1
11401	Authorizes the transportation in commerce of unpowered cesium devices classed as Division 4.3 consisting of a stainless-steel cylinder, overpacked in strong fiberboard boxes.	1
11406	Authorizes shipments of waste or recycled materials, destined for landfill, incineration or other disposal, to be transported despite the unexpected detected presence of radioactive material, provided the conditions of the special permit are met.	1
11412	Authorizes the transportation of certain approved Division 1.3G fireworks devices that may, when packaged, marked and offered for transportation and transported fully in accordance with the conditions of this special permit, be classed as Division 1.4G fireworks.	1
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.	1
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 special permit is maintained., without the physical presence of an unloader.	1
11440	Authorizes the transportation of trimethylacetyl chloride, in polyethylene drums or composite packagings which are not individually overpacked in accordance with Section 173.227(b).	1
11443	Authorizes the transportation of Division 5.2 organic peroxides in intermediate bulk containers equipped with the same pressure release system as DOT-57 portable tanks.	1
11447	Authorizes 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.	2
11458	Authorizes the transpiration 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.	1

Table B.1. Active Special Permits

ID	Summary	Code
11470	Authorizes 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.	1
11472	Authorizes the transportation in commerce of pyrotechnic articles classed as Division 1.4G explosives on the same vehicle and in the same storage area that contain other 1.4 explosive articles.	1
11481	Authorizes the manufacture, marking and sale of certain shock absorbers and struts, containing a flammable gas, for transportation as accumulators.	2
11486	Authorizes the transportation of glass ampoules containing certain Division 2.3 materials for disposal in a non-DOT specification packaging known as a single round container.	2
11487	Authorizes 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.	1
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 pretensioners or seat belt modules as Division 1.4C explosives articles.	1
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.	2
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.	1
11503	Authorizes the transportation of unmanned deck barges without required placarding and segregation requirement with covered cargoes weighing under 1001 pounds.	1
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.	2
11513	Authorizes the transportation cyclotetramethyle tetranitramine (HMX) dry, Division containing less than 10 percent water.	1
11516	Authorizes the transportation of certain DOT Specification 2Q containers containing difluoroethane or tetrafluoroethane dimethylether mixtures.	1
11516	Authorizes the transportation of certain hazardous materials, in certain non-DOT specification metal aerosol containers.	1
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.	2
11526	Authorizes the use of ultrasonic inspection method in lieu of hydrostatic testing of 3A and 3AA cylinders.	2
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.	2
11537	Authorizes the transportation in commerce of certain Class 8 material in IBCs that are securely mounted to a flatbed trailer, but not removed for the vehicle prior to loading or unloading of container.	2

Table B.1. Active Special Permits

ID	Summary	Code
11548	Authorizes the transportation in commerce of various hazardous materials in compressed gas type cylinders except for specification 8 and 3HT type.	1
11559	Authorizes the transportation of a non-DOT specification insulated cargo tank for use in transporting helium, Division 2.2.	1
11560	Authorizes the transportation in commerce of Division 1 explosives and ammunition presently forbidden or in quantities greater than those authorized.	1
11565	Authorizes the manufacture, mark and sale of non-DOT specification cargo tanks of fiberglass construction for use in transporting Class 8 material.	2
11579	Authorizes the transportation in commerce of certain Class 8 acidic material on the same motor vehicle with Division 1.5D explosives.	1
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.	1
11583	Authorizes the transportation of freight traffic and passengers in mixed train service.	1
11592	Authorizes 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.	2
11596	Authorizes the transportation in commerce of hydrogen sulfide German IMO/IMDG approve containers.	1
11598	To manufacture, mark and sale fire extinguishers with a non-specified pressure relief device for use in transporting Division 2.2 material.	1
11602	Authorizes 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 potliner.	1
11606	Authorizes the transportation in commerce of non-DOT specification steel drums to ship waste combustible liquid and tetrachloroethylene sludges.	2
11620	Authorizes the manufacture, mark and sale non-DOT specification cylinders which meets the requirements of a DOT specification 39 cylinder for the transportation of refrigerant 134A, Division 2.2.	2
11624	Authorizes 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.	2
11629	Authorizes the emergency transportation of commerce of certain simulators that have a history of outgassing hydrogen due to a reaction between the magnesium based pyrotechnic compounds and internal moisture.	4
11634	Authorizes 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.	1
11644	Authorizes 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).	1
11646	Authorizes the unloading of hazardous materials from drums and/or intermediate bulk containers without removal from motor vehicles.	1
11647	Authorizes the manufacture, mark and sale of billet-pierced DOT specification 3AA cylinders without billets being inspected after parting.	1
11650	Authorizes the emergency transportation in commerce of non-DOT specific non-refillable cylinders charged with pyrotechnic initiating device classed as igniters, Division 1.4G.	5

Table B.1. Active Special Permits

ID	Summary	Code
11654	Authorizes 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.	1
11657	Authorizes the transportation in commerce of a liquefied Division 2.2 material in mainfolded DOT Specification 3A, 3AA, 3AX and 3AAX trailers.	1
11660	Authorizes the emergency transportation of two flat bed trucks with attached hydrochloric acid solution tanks equipped with specially designed liner and pressure tested at 100 psi.	4
11666	Authorizes the transportation of graphite products classified as Miscellaneous Hazardous Class 9 material in bulk packaging strapped to wooden pallets on an open flat truck bed.	1
11667	Authorizes an alternative retesting method of DOT-3AAX, 3T, 107A, 3A and 3AA compressed gas cylinders.	1
11670	Authorizes the transportation in commerce of pressurised oil well formation samples from the well site to the analysis laboratory in specially designed non-DOT specification packaging.	1
11677	Authorizes the transportation in commerce of Division 1 explosives presently forbidden or in quantities greater than those authorized.	1
11690	Authorizes the manufacture, mark and sale of 3T cylinder in sizes smaller than 1000 lbs. capacity for use in transporting	1
11691	Authorizes the transportation in commerce of various classes of hazardous materials and foodstuffs to be exempt from segregation requirements during vessel stowage.	1
11692	Authorizes 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.	2
11693	Authorizes the bulk transportation by vessel, in freight containers, of fishmeal treated with NATUROX instead of ethoxyqui, Division 4.2.	1
11697	Authorizes an alternative stowage method for MSC chartered LASH type vessels to carry Division 1 explosives in LASH barges within 10 feet of machinery spaces under certain conditions.	1
11714	Authorizes the emergency transportation of non-DOT specification containers for use in transporting paint or epoxy for use in road striping.	4
11721	Authorizes the elimination of 100% internal visual inspection of cylinders for use in transporting Division 2.1 material.	2
11722	Authorizes the transportation in commerce of non-DOT specification cylinders comparable to 3AX for use in transporting various gases.	2
11725	Authorizes the transportation in commerce of certain non-DOT specification containers containing certain Division 2.1, 2.2 and 2.3 liquefied and compressed gases.	2
11733	Authorizes 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.	2
11736	Authorizes 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.	1
11749	Authorizes an alternative testing method for specification tank cars for use in transporting various hazardous materials as presently authorized.	1
11753	Authorizes the emergency transportation of ammonia solutions, Class 8, in	1

Table B.1. Active Special Permits

ID	Summary	Code
	UN1H1/Y1.2/150 closed head polyethylene drums that do not meet the hydrostatic test pressure requirements.	
11759	Authorizes 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.	1
11761	Authorizes the transportation in commerce of Class 8 material in rail cars equipped with 165 psig and baffles with alternative rupture disc inspection procedure.	1
11769	Authorizes the unloading of various Class 8 material from truck-mounted intermediate bulk containers.	1
11770	Authorizes the transportation in commerce of non-DOT specification cylinders comparable to DOT 3E for use in transporting liquefied and non-liquefied compressed gases, Division 2.1 and 2.2.	2
11771	Authorizes an alternative inspection criteria of rail cars used in transporting Class 2 and 3 material.	1
11777	Authorizes 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 labeling requirements.	1
11779	Authorizes the transportation in commerce of gasoline, Class 3, in UL approved non-bulk polyethylene containers in support of log-cutting operation.	1
11780	Authorizes the transportation in commerce of certain x-ray systems containing sulfur hexafluoride, Division 2.2.	1
11781	Authorizes the transportation in commerce of Class 1 explosives that are not permitted for shipment by air or in quantities greater than those prescribed.	1
11782	Authorizes the transportation in commerce of non-specification cylinders constructed of 316L stainless steel for use in transporting a Division 4.2 material.	1
11789	Authorizes rail cars to remain attached to connectors during the entire unloading process without the physical presence of an unloader.	1
11791	Authorizes rail cars to remain connected during unloading of Class 9 material without the physical presence of an unloader.	1
11798	Authorizes the transportation in commerce of DOT specification 3A or 3AA cylinders for use in transporting various gases classed in Division 2.1.	1
11799	Authorizes the transportation in commerce of alternative secondary packaging consisting of heat sealed, plastic sleeve, packed in small quantities with absorbent material to be transported inside commercial freezer, for use in transporting Infectious substances, Division 6.2.	2
11803	Authorizes the transportation in commerce of various classes of non-flammable cryogenic liquids in DOT-113A60W tank cars.	1
11804	Authorizes a special permit 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.	1
11808	Authorizes the foreign inspection of certain multi-unit tank cars (one ton containers) manufactured in Mexico for use in transporting chlorine.	2
11809	Authorizes the transportation in commerce of consumer commodities from a manufacturer, a distribution center, or a retail outlet to a disposal facility from more than one offeror.	1
11811	Authorizes the transportation in commerce of various household hazardous wastes to be transported without having the quantity and unit measurement shown on the shipping paper.	1

Table B.1. Active Special Permits

ID	Summary	Code
11818	Authorizes the transportation in commerce of certain non-DOT specification containers containing certain Division 2.1, 2.2 and 2.3 liquidified and compressed gases not equipped with pressure relief devices to be used in connection with flight project spacecraft containing heat pipes.	2
11826	Authorizes the transportation in commerce of DOT-3AL aluminum cylinders for use in transporting various mixtures of gases.	1
11827	Authorizes an emergency special permit to waive a 5-year internal inspection of polytetrafluorethylene lined IM portable tanks for use in transporting various classes of hazardous materials.	5
11834	Authorizes the transportation of Division 3 and 5.1 material in UN 1A2/Y1.4/100 openhead steel drums as part of a mechanical application system.	1
11836	Authorizes the emergency transportation of polyethylene drums for use in transporting non-bulk quantities of ammonia solutions, Class 8.	5
11839	Authorizes loading of cargo tank containing Class 3 and Division 2.1 material without the physical presence of an unloader.	1
11844	Authorizes the transportation in commerce of explosives, Division 1, that are forbidden or exceed the quantity limitation for transportation by air.	1
11850	To provide for an alternative testing method for DOT-Specification 4DA and 4DS cylinders used as components of aircraft systems.	1
11859	Authorizes 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.	2
11860	Authorizes the transportation in commerce of DOT111A60ALW-2 aluminum tank cars without head shields to be use in transporting hydrogen peroxide, Division 5.1.	1
11864	Authorizes 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.	1
11865	Authorizes rail cars containing Class 8 and Division 5.1 material to remain connected during loading and unloading operations without the physical presence of an unloader.	1
11866	Authorizes transportation in commerce of cars and other motor vehicles, with batteries connected with some fuel in the fuel tank with required ventilation of each hold or compartment of a vessel.	1
11868	Authorizes the emergency transportation in commerce of uranium hexafluoride cylinders with valves and plugs that contain different alloys.	5
11880	Authorizes the transportation in commerce of Division 4.2 material in modified covered hopper railcars.	1
11881	Authorizes 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.	1
11883	Authorizes the transportation in commerce of meter provers in assorted sizes with residual amounts of Class 3 hazardous materials.	1
11892	Authorizes 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 material authorized in a DOT-51.	2
11900	Authorizes the transportation in commerce of methylisothiocyanate, Division 6.1 in containers which exceed the quantity limitations authorized by the small quantity exceptions.	1
11903	Authorizes the use of non-DOT specification cargo tanks manufactured from glass	2

Table B.1. Active Special Permits

ID	Summary	Code
	fiber reinforced plastics for use in transporting various hazardous materials classed as Division 6.1, Class 3,8 or 9.	
11911	Authorizes 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.	1
11913	Authorizes the transportation in commerce of Class 9 Hazardous Material in 16 gauge 1A2 drums in weight that exceed the quantity limitation as presently authorized.	1
11914	Authorizes the transportation in commerce of a Division 2.1 hazardous materials in nonrefillable non-DOT specification inside container conforming with the DOT Specification 2P except for size, testing requirements and markings.	2
11916	Authorizes the use of ultrasonic wall thickness retest method to re-qualify DOT-3AX, DOT-3AAX and DOT-3T cylinders and extend the retest period to 10 years for non-corrosive service.	1
11917	Authorizes the manufacture, marking and sale of a non-DOT specification cylinder to be used for the transportation in commerce of certain Division 2.2 materials.	2
11924	Authorizes 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.	1
11932	Authorizes the transportation in commerce of oxygen generators in passenger service units in bulk non-DOT specification packaging.	1
11941	Authorizes alternative retesting criteria for tank cars used in chlorine service.	1
11947	Authorizes 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.	2
11952	Authorizes the transportation in commerce of certain pressure metal containers containing limited quantities of compressed nitrogen.	1
11953	Authorizes the transportation in commerce of cylinders that are exempt from the maximum 1,000 pound water capacity requirement of 178.61(a).	1
11966	Authorizes 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.	2
11967	Authorizes tank cars to remain connected during unloading of various hazardous materials to remain connected during unloading without the physical presence of an unloader.	1
11970	Authorizes 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.	2
11984	Request for an emergency special permit from the requirement for a second safety mechanism when shipping oxygen generators.	4
11984	Authorizes the use of non-DOT specification cargo tanks manufactured from glass fiber reinforced plastics for use in transporting various hazardous materials classed as Division 6.1, Class 3,8 or 9.	2
11989	Request for an emergency special permit from segregation requirements aboard vessels for explosive materials.	4
11990	Authorizes 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.	2
11993	Authorizes the manufacture, mark and sale of non-DOT specification cylinders for	2

Table B.1. Active Special Permits

ID	Summary	Code
	use as components of automobile vehicle safety systems.	
12002	Authorizes the use of pressure as an alternative method of removing frozen liquid from tank car bottom outlets instead of steam and hot water.	1
12003	Authorizes the transportation in commerce of hydrogen peroxide, stabilized, Division 5.1, that exceed the 72% maximum concentration allowed in IM 101 tank cars and cargo tanks.	1
12007	Request for packaging not authorized for Chloropicrin	1
12009	Request for an emergency special permit to transport anhydrous ammonia in cylinders that are not authorized or exceed the maximum storage density.	2
12014	Authorizes the transportation in commerce of used refrigerating machines containing no more than 1000 pounds of Class A refrigerants classed as Division 2.2.	1
12018	Request for emergency special permit to authorize the bulk transportation of refrigerated liquids in cargo tanks when the tanks are not mounted on motor vehicles.	2
12022	Authorizes 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.	1
12024	Authorizes the transportation of various health care and consumer products, meeting the definition of hazardous materials, across public roadway to be transported as unregulated.	1
12030	Authorizes 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, containing no hazardous material, in UN 4G fiberboard boxes. The maximum gross weight will not exceed 81.5 pounds.	1
12037	Authorizes the transportation in commerce of Division 4.3 material in reused UN 13H4 lined woven polypropylene flexible intermediate bulk containers in truckload or carload lots.	1
12038	Authorizes the transportation in commerce of Hydrocarbon Blend B refrigerant gas, Division 2.1, in non-DOT specification containers similar to DOT2Q cans with overpack.	2
12039	Authorizes the transportation in commerce of liquid refrigerated liquid, Division 2.1, in DOT113C120W tank car tank at a higher pressure than presently authorized.	1
12046	Authorizes the transportation in commerce of various hazardous materials in small quantities inside lab packs without required markings and labeling as essentially non-regulated.	1
12054	Authorizes the transportation in commerce of explosives, Division 1, that are forbidden or exceed the quantity limitation for transportation by air.	1
12055	Request for an emergency special permit to continue to use portable tanks that are incorrectly marked and are involved in off-shore operations.	5
12056	Authorizes the transportation in commerce of Division 6.1 material and Division 3.3 material, in propellant tanks designed to a military specification.	1
12065	Authorizes the use of a specially designed device to obtain flashpoint data for fragrance formulas.	1
12067	Authorizes 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.	2
12068	Authorizes the shipment of a rocket motor and components which have not been examined and approved as required in specially designed packagings and shipping configurations.	1

Table B.1. Active Special Permits

ID	Summary	Code
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.	1
12079	Authorizes 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.	2
12084	Authorizes an alternative schedule for retesting of DOT 4B, 4BA and 4BW cylinders used in transporting refrigerant gases and blends.	1
12087	Authorizes the manufacture, mark, and sale of non-DOT specification metal containers containing Boron Trifluoride, classed as 2.3 for use in radiation detectors.	2
12092	Request for an emergency special permit to use an alternate test method for cylinders rather than the hydrostatic test.	1
12095	Emergency special permit 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.	1
12098	Authorizes the transportation in commerce of certain compressed gases, Division 2.2, in non-DOT specification pressure vessels.	1
12102	Authorizes the transportation of certain Division 1.1D, unstable waste laboratory mixtures that have been desensitized to remove their explosive characteristics, as Division 4.1 flammable solids.	1
12112	Request for an emergency special permit to authorize the transportation in commerce of certain gases in copper cylinders of foreign manufacture.	1
12116	Authorizes the transportation in commerce of certain flammable gases, Division 2.1, in non-DOT specification cylinder used for oil well sampling.	2
12118	Authorizes 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.	1
12120	Authorizes the transportation in commerce of Class 3 and Division 4.1 hazardous materials in DOT-specification and non-DOT specification drums for intra-plant shipments as essentially unregulated.	2
12122	Authorizes the manufacture, mark, sale and use of non-DOT specification cylinders for use as components of automotive vehicle safety systems.	2
12123	Authorizes railcars to remain connected during unloading of liquid hazardous materials not under pressure, Class 3,6,8, and 9 without the physical presence of an unloader and without required marking on shipping paper.	1
12124	Authorizes 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 4.2 and 4.3.	1
12129	Authorizes the transportation in commerce of small quantities of various hazardous materials that exceed the specified quantity limitation.	1
12130	Authorizes the manufacture, marking and sale of non-DOT specification insulated portable tanks for the transportation in commerce of carbon dioxide, refrigerated liquid.	2
12131	Authorizes the manufacture, mark and sale of non-DOT specification packagings, used as radiation detectors, for shipments of certain non-flammable compressed gases.	2

Table B.1. Active Special Permits

ID	Summary	Code
12133	Authorizes the transportation in commerce of certain Division 1.1, 1.2, 1.3 and 1.4 explosives which are forbidden or exceed quantities authorized.	1
12134	Authorizes 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.	1
12135	Authorizes the manufacture, mark and sale of non-DOT specification cylinders (pressure vessels) for use as components of automobile vehicle safety systems.	2
12149	To provide for ultrasonically scanning of DOT 3T cylinders at time of manufacturing for use in transporting Division 2.1, 2.2 and 2.3 gases.	1
12155	Authorizes the transportation in commerce of a specially designed non-DOT specification packaging containing compressed sulfur hexafluoride, Division 2.2.	2
12162	Request for an emergency special permit to authorize the use of non-DOT specification containers for certain compressed gases.	2
12173	Authorizes the transportation in commerce of nitrogen, refrigerated liquid, Division 2.2, in insulated bulk cryogenic liquid tanks in quantities which exceed those authorized.	1
12178	Request for an emergency special permit to use a non-DOT specification container for liquefied gas, flammable, n.o.s.	2
12184	Authorizes the acoustic emission retesting and internal inspection of DOT3A and DOT 3AA tubes in lieu of hydrostatic test.	1
12187	Authorizes the manufacture, marking and sale of non-DOT specification cylinders for use in transporting certain Division 2.2 material.	2
12195	Authorizes 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.	1
12196	Authorizes 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.	2
12199	Authorizes the transportation in commerce of Division 1 explosives that are not permitted for shipment by air or are in quantities greater than those prescribed.	1
12207	Authorizes the transportation in commerce of various classes of hazardous materials in combination, composite and single packagings not to exceed 250 gallon capacity to be transported across public highway as essentially unregulated.	1
12211	Authorizes the use of non-DOT specification portable tanks containing liquid nitrogen, cryogenic liquid.	2
12220	Authorizes railcars to remain attached with an alternative closure device when positioned in a secured state for product transfer.	1
12221	Authorizes the transportation in commerce of Division 2.1 and 2.3 gas molecules filled at sub-atmospheric pressure and packaged as a solid in non-DOT specification cylinders.	2
12222	Authorizes the transportation in commerce of DOT 39 Specification cylinders, containing a Division 2.2 gas, with a filling density which exceeds those presently authorized.	1
12228	Authorizes the transportation in commerce of certain non-DOT specification IMO Type 5 portable tanks, each mounted in an ISO frame, containing certain compressed gases classed in Division 2.1 and 2.2.	2
12238	Authorizes rail cars to remain connected while standing without the physical	1

Table B.1. Active Special Permits

ID	Summary	Code
	presence of an unloader.	
12240	Authorizes the transportation in commerce of Propane, Division 2.1, in DOT specification 4BA and/or 4BW cylinders and DOT Specification 39 containers which is presently forbidden for shipment by passenger aircraft.	1
12241	Authorizes the bulk transportation of Metal catalyst, wetted, Division 4.2 in DOT specification tank trucks.	1
12242	Authorizes the transportation in commerce of Uranium hexafluoride cylinders equipped with removable cylinder valve guards which have been manufactured in variance to the American National Standards Institute (ANSI).	1
12247	Authorizes 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.	1
12248	Authorizes the transportation in commerce of Corrosive solid, flammable, n.o.s., Class 8, in IM 101 portable tanks not presently authorized.	1
12268	Authorizes the transportation in commerce of empty non-DOT specification packaging containing residual of certain Class 8 materials.	2
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.	2
12277	Authorizes the manufacture, marking and sale of non-DOT specification cylinders (pressure vessel) for use in transporting Chlorine, Division 2.3 material.	2
12283	Request for an emergency special permit to authorize the transportation in commerce of large wet storage batteries in non-DOT specification packages.	2
12284	Request for special permit to authorize the transportation in commerce of certain non-DOT specification cargo tanks used for roadway striping.	2
12286	To extend the retest period for DOT-111A60W7 tank cars in dedicated hydrogen peroxide service (Division 5.1).	1
12289	Authorizes the manufacturing, marking, sale and use of DOT Specification 51 steel portable tanks permanently enclosed within a ISO frame for use in transporting Division 2.1 and 2.2 materials as presently authorized.	1
12290	Authorizes an alternative blocking method of rail cars while transferring various classes of hazardous materials.	1
12295	Authorizes the transportation in commerce of a Division 6.1 material in IM-tanks equipped with bottom outlets.	1
12296	Authorizes the manufacture, marking and sale of UN 11G IBC for use as the outer packaging for lab packs for transporting various classes of hazardous materials.	1
12297	Authorizes 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.	2
12301	Authorizes the transportation in commerce of Division 2.3 and 6.1 materials in DOT-Specification 4BW cylinders that exceed the presently authorized quantity limitations.	1
12303	Authorizes the transportation in commerce of certain Division 2.1, 2.2 and Class 3 materials in non-DOT specification cylinders used for oil well sampling.	2
12306	Authorizes 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.	1
12325	Authorizes an alternative monitoring system during unloading of various hazardous materials without the physical presence of an unloader.	1

Table B.1. Active Special Permits

ID	Summary	Code
12332	Authorizes the transportation in commerce of air bag modules or seat belt pretensioners that have been removed from motor vehicles for disposal to be transported without required markings.	1
12334	Authorizes 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.	2
12335	Authorizes an alternative packaging method for use in transporting Cord, detonating, Division 1.1D and 1.4D.	1
12338	Authorizes 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.	2
12339	Authorizes the transportation in commerce of various Division 2.1 and 2.3 gases in DOT Specification 3AL aluminum cylinders, overpacked in freight containers.	1
12340	Authorizes the emergency one-time transportation in commerce of a non-fixed surface contamination cask containing Class 7 material.	3
12341	Authorizes the transportation in commerce of non-DOT Specification cylinders pressurized to a low storage pressure with Division 2.2 material.	2
12350	Authorizes the manufacture, marking and sale of non-DOT specification fiber reinforced plastic full composite cylinders for the transportation in commerce of certain compressed gases.	2
12358	Authorizes the transportation in commerce of Lighters or Lighter refills, Division 2.1, without required labeling when packaged in accordance with 49 CFR.	1
12362	Emergency special permit application requesting authorization for limited maintenance and repair operations to vehicles stowed below deck in the same cargo holds as class 1 explosive aboard LMSR vessels.	1
12373	Authorizes the transportation of used refrigerating machines containing a group A1 refrigerant.	1
12378	Authorizes the transportation in commerce of dry ice not meeting the exceptions identified in 175.10.	1
12379	Authorizes tank cars to remain standing with transfer fitting from the bottom discharge valve attached to remain standing without the physical presence of an unloader.	1
12382	Authorizes 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.	1
12383	Authorizes the transportation in commerce of Class 1 explosives onboard cargo vessel to be exempt from stowage requirements.	1
12384	Request for an emergency special permit to transport non-flammable gas in a package (accumulator) which is not authorized under the HMR.	3
12391	Authorizes 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.	1
12392	Authorizes 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 transporting all hazardous materials presently authorized.	2
12396	Authorizes 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.	2

Table B.1. Active Special Permits

ID	Summary	Code
12398	Authorizes the transportation in commerce of DOT 3A and 3AA cylinders equipped with alternative relief devices for use in transporting Division 2.2 material.	1
12399	Authorizes the use of ultrasonic inspection as an alternative retest method for DOT Specification 3AL cylinders.	1
12401	Authorizes the transportation in commerce of a specially designed device containing Class 7 hazardous materials.	1
12402	Authorizes 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.	2
12405	Authorizes an increase in filling density to the cylinder test pressure for the transportation of Division 2.1, 2.2 and 2.3 hazardous materials.	1
12411	Authorizes the transportation in commerce of dry metal catalysts classified as, Self-heating, solid, inorganic, n.o.s., Division 4.2, in non-DOT specification packaging.	2
12412	To consolidate the special permits 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.	1
12415	Authorizes 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 material.	2
12423	Authorizes the transportation in commerce of DOT 111A100W5 tank cars that exceed the authorized load capacity for use in transporting hydrochloric acid, Class 8.	1
12431	Authorizes 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.	2
12440	Authorizes the manufacture, marking and sale of non-DOT specification cylinders for use in transporting various Division 2.2 materials.	2
12442	Authorizes 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.	1
12443	Authorizes rail cars containing Class 8 hazardous materials to remain attached to unloading connectors without the physical presence of an unloader.	1
12448	Request for an emergency special permit to transport anhydrous ammonia in DOT spec. cylinders which are not authorized for anhydrous ammonia.	2
12454	Authorizes an alternative testing method for DOT class 105 tank cars for use in transporting various classes of hazardous materials.	1
12463	Request for an emergency special permit for the movement of oxygen in insulated cylinders or cargo tanks on passenger vessels.	4
12469	Authorizes 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.	1
12475	Authorizes the transportation in commerce of lithium alkyls, Division 4.2, in certain 1A1 drums, without undergoing a leakproofness test prior to each refilling when refilled with lithium alkyls and certain other liquid hazardous materials.	1
12479	Authorizes the manufacture, mark, sale and use of non-DOT specification fiberglass hoop wrapped cylinders for the transportation in commerce of certain compressed gases.	2

Table B.1. Active Special Permits

ID	Summary	Code
12481	Authorizes the transportation in commerce of an actuator and valve assembly for use in transporting various classes of hazardous materials.	1
12499	Request for an emergency special permit to transport liquefied petroleum gas in a non-DOT specification cargo tank.	2
12506	Request for an emergency special permit to transport fire extinguishers by commercial aircraft.	1
12509	Request for an emergency special permit to authorize the US DOD to stow palletized cargo of a class 4.2 in an under deck forecastle location instead of on deck.	1
12515	Authorizes the transportation in commerce of non-DOT specification portable tanks for use in transporting various Division 2.2 material.	2
12516	Authorizes 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.	2
12521	Authorizes 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.	2
12531	Authorizes 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.	2
12532	Authorizes 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.	2
12549	Authorizes 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.	1
12552	Authorizes an alternative testing method for specially designed aerosol containers for use in transporting limited quantities of Division 2.1 material.	1
12561	Authorizes the transportation in commerce of DOT Specification 111S100W-2 tank cars that exceed the maximum gross weight limit for use in transporting Class 8 material.	1
12562	Authorizes the transportation in commerce of Division 2.1 hazardous materials in nonrefillable non-DOT specification inside containers conforming to DOT Specification 2P except for size, testing requirements and markings.	2
12571	Authorizes the transportation in commerce of Division 2.2 material in 3AA,3A,3AAX,3AX cylinders without pressure relief devices.	1
12573	Authorizes the transportation in commerce of a non-refillable non-DOT specification container similar to a DOT Specification 2Q for use in transporting certain refrigerant gases, classed as non-flammable aerosols.	2
12574	Authorizes an acoustic emission test in lieu of hydrostatic retest and internal inspection of DOT 107A tubes used for transporting compressed gases.	1
12576	Request for an emergency special permit to permit a lower design pressure of a cargo tank.	1
12580	Request for an emergency special permit to use a cylinder that is not authorized in the HMR for tungsten hexafluoride.	1
12589	Authorizes the reuse of 3BN (nickel) cylinders that have been used for hydrogen	1

Table B.1. Active Special Permits

ID	Summary	Code
	fluoride service to tungsten hexafluoride service, Division 2.3.	
12590	Authorizes the transportation in commerce of aircraft batteries in specially designed containers.	1
12592	Authorizes the transportation in commerce of combustion-powered motor vehicles in freight containers in cargo vessel holds that are not ventilated.	1
12599	Authorizes the transport of silicon tetrafluoride in DOT Specification 3AAX and 3AA manifolded cylinders.	1
12607	Authorizes 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.	1
12608	Authorizes the transportation in commerce of hydrogen peroxide aqueous solutions in concentrations exceeding 72 percent but not exceeding 92 percent in DOT specification IM 101 steel portable tanks.	1
12609	Authorizes the transportation in commerce of non-bulk packagings containing Class 8 material that are no longer authorized for transportation.	1
12622	Authorizes the transportation in commerce of Division 1.3C, 1.4C, and 2.2 airbags without the required shipping papers and placarding.	1
12628	Request for an emergency special permit for the use of DOT spec 51 tank containers that have been designed, constructed and stamped "U" in accordance with Section VIII Division 1 of the ASME Code Edition 1998.	1
12630	Authorizes 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.	2
12637	Request for emergency special permit to transport liquid oxygen and nitrogen in non-DOT specification tanks.	2
12637	Authorizes the manufacture, mark, sale and use of a corrugated fiberboard box as the outer packaging for lab pack applications in accordance with Section 173.12(b).	2
12643	Request for an emergency special permit to transport helium in a non-DOT specification container called a pulse tube cooler.	2
12661	Authorizes the transportation in commerce of certain hazardous materials that are not properly packaged, marked, labeled or classed in accordance with the 49 CFR.	1
12668	Authorizes the manufacture, mark, sale and use of certain UN 11G flexible intermediate bulk container for use as the outer packaging for lab pack applications in accordance with 49 CFR 173.12(b)(2)(i) as well as 49 CFR 173.240-243.	2
12671	Authorizes the transportation in commerce of non-DOT specification cylinders for use in transporting helium.	2
12674	Authorizes the transportation in commerce of propane in 4BA/4BW type cylinders aboard small passenger-carrying aircraft to remote locations.	2
12675	Authorizes the transportation in commerce of non-specification reusable high-strength plastic or metal containers or other dedicated handling devices for use in transporting air bag modules and seat-belt pretensioners.	1
12677	Authorizes 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.	1
12679	Authorizes the transportation in commerce of non-DOT specification cylinders comparable to Specification 39 non-reusable for use in transporting oxygen.	2
12682	Authorizes the manufacture, mark, sale and use of certain UN 11G Fiberboard	1

Table B.1. Active Special Permits

ID	Summary	Code
	Intermediate Bulk Containers (IBC), for use as the poison pack outer packaging when transporting certain hazardous materials.	
12688	Request for an emergency special permit for the use of certain drums that do not meet the minimum thickness requirements for use in the transportation of nitric acid.	1
12690	Authorizes 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.	1
12691	Authorizes the manufacture, mark, sale and use of non-DOT specification cylinder conforming to DOT Specification 3HT cylinder for use in transporting certain hazardous materials classed in Division 2.2.	2
12705	To allow drums with thickness <1.5 mm for transportation of nitric acid	1
12706	Authorizes the transportation in commerce of foreign non-DOT specification composite LPG cylinders.	2
12708	Authorizes 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.	1
12716	Authorizes the transportation in commerce of chlorine in uninsulated DOT Specification 3AAX cylinders permanently mounted on a motor vehicle.	1
12718	Authorizes 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.	1
12720	Authorizes the transportation in commerce of electrolyte batteries in specially designed packagings, overpacked in a motor vehicle not subject to the requirements of the HMR, without securing the overpack to the floor of the intermodal freight container or trailer.	1
12724	Authorizes the transportation in commerce of MC 312 cargo tanks equipped with pressure relief systems that do not conform to the requirements of the HMR.	1
12726	Authorizes the transportation in commerce of fire extinguishers to be shipped with an alternative proper shipping name as specified in several special permits.	1
12741	Authorizes the transportation in commerce of certain DOT Specification 3A and 3AA cylinders which have been alternatively ultrasonically retested for use in transporting Division 2.1, 2.2 and 2.3 materials.	1
12744	Authorizes 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.	1
12748	Authorizes the transportation in commerce of alternative, non-POP tested containers for use in transporting small explosive articles for military and commercial spacecraft and missiles.	1
12749	Authorizes the manufacture, marking, sale and use of certain UN 11G fiberboard intermediate bulk containers (IBC) for use as the outer packaging for lab pack applications.	1
12750	Authorizes 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.	2
12753	Authorizes the transportation in commerce of certain toxic gases in 3AX and 3AAX cylinders not presently authorized for use in transporting dichlorosilane, Division 2.3,	1
12762	Authorizes the transportation in commerce of non-bulk pre-packed combination	1

Table B.1. Active Special Permits

ID	Summary	Code
	packagings containing various classes of hazardous materials between facilities to be transported as essentially unregulated without proper shipping papers.	
12768	Authorizes 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.	1
12779	Authorizes the transportation in commerce of UN portable tanks not subject to the rail impact test.	1
12782	Authorizes 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.	2
12783	Authorizes the transportation in commerce of small units of compressed gas, refrigerant 404A as limited quantities and/or ORM-D intended for medical use.	1
12784	Authorizes the transportation in commerce of compressed, refrigerant 22, when shipped in relatively small units to be reclassified as ORM-D and transported as consumer commodity for medical purposes.	1
12800	Authorizes the transportation in commerce of unit train shipments in exclusive use of soil-like radioactive LSA-11 waste material in strong tight bulk packages (closed rail cars).	1
12817	For transportation of waste materials, not required by EPA manifest, under 173.12(c) by generators.	1
12818	Authorizes the transportation in commerce of certain non-DOT specification cylinders used as components (fire extinguishers) in aircraft of foreign manufacture.	2
12825	Authorizes the transportation of foreign life rafts equipped with non-DOT specification cylinders.	2
12826	Authorizes 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.	2
12838	Authorizes the transportation in commerce of certain DOT Specification 3AA, 3AAX and 3T cylinders which have been alternatively ultrasonically retested.	1
12841	Authorizes 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 materials.	1
12842	Authorizes 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.	1
12844	Authorizes the manufacture, marking, sale and use of non-DOT specification pressure vessels for use as components of automobile vehicle safety systems.	2
12855	Request for an emergency special permit to transport a flammable solid, organic (polymer) in 2 steel heat exchangers from Belpre, OH to Houston, TX for cleaning and decontamination.	1
12858	Authorizes 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.	2
12865	Authorizes the transportation in commerce of non-DOT specification cylinders for export containing various compressed gases without pressure relief devices.	2
12866	Request for an emergency special permit to continue to use cylinders that have inadvertently been mis-marked, for carriage aboard aircraft.	1
12868	Authorizes the transportation in commerce of non-DOT specification cylinders for	2

Table B.1. Active Special Permits

ID	Summary	Code
	export containing various compressed gases without pressure relief devices.	
12869	Authorizes the transportation in commerce of non-DOT specification cylinders for export containing various compressed gases without pressure relief devices.	2
12874	Authorizes the transportation in commerce of machine components that are charged with non-flammable, non-toxic refrigerant gas without packaging or communication requirements.	1
12879	Authorizes 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.	1
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.	1
12897	Authorizes the transportation in commerce of ammonium perchlorate, Division 5.1, in DOT 53 portable tanks not presently authorized	3
12899	Authorizes 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.	2
12903	Authorizes the transportation in commerce of Class 3 material in DOT Specification 111A100W1 tank cars having a maximum gross weight of 286,000 pounds.	1
12905	Authorizes the transportation in commerce of various hazardous materials on rail cars without the required head stamping and without the special permit number on the rail car or the shipping paper.	1
12917	Emergency request to transport cargo tanks (aviation refuelers) containing the residue of gasoline. The cargo tanks were built to MC 306 specifications but have not tested and maintained as such.	1
12920	Authorizes the transportation in commerce of pyrophoric materials in combination packagings with inner containers that exceed currently authorized quantities.	1
12927	Authorizes the manufacture, marking and sale of a corrugated fiberboard box for use as the outer packaging for lab pack applications.	2
12929	Authorizes the transportation in commerce of certain DOT specification and non-DOT specification cylinders manufactured to a foreign specification which are charged for export only.	2
12930	Authorizes 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.	1
12955	Authorizes the transportation in commerce of life-saving appliances containing a compressed gas cylinder that is filled in excess of its marked service pressure.	1
12970	Authorizes the transportation in commerce of limited quantities of hazardous material with alternative shipping name on shipping papers.	1
12972	Authorizes the transportation in commerce of non-DOT specification cylinders for export containing various compressed gases without pressure relief devices.	2
12981	Emergency request for special permit from emergency discharge control	1
12982	Authorizes the transportation in commerce of Division 1.1 explosives, which are forbidden for shipment by passenger-carrying aircraft to remote areas when no other means of transportation is available.	1
12988	Authorizes the transportation in commerce of a non-DOT specification cylinder for use in transporting hydrogen chloride, anhydrous, Division 2.3.	2
12994	Authorizes the transportation in commerce of certain DOT specification cylinders and cylinders manufactured to a foreign specification without pressure relief	1

Table B.1. Active Special Permits

ID	Summary	Code
	devices.	
12995	Authorizes 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.	1
12997	Authorizes the transportation in commerce of hazardous materials in a vented bulk packaging (an intermediate bulk container) when venting is not authorized.	1
12998	Authorizes the transportation in commerce of non-waste material from one location to another location for various customers in lab packs.	1
13002	Request for an emergency special permit to transport a division 2.2 material in diaphragm and bladder type accumulator.	1
13020	Authorizes the transportation in commerce of propane in certain non-specification portable tanks.	1
13026	Authorizes the transportation in commerce of Division 2.2 material in a non-DOT specification container.	2
13027	Authorizes 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.	2
13032	Request for an emergency special permit to use a DOT cylinder as part of a component for a vehicle that is part of the National Missile Defense Program.	1
13034	Authorizes the transportation in commerce of explosive components, Division 1.4S in specially designed packaging.	1
13036	Request for an emergency special permit to authorize the use of a non-DOT specification container for hydrogen.	2
13046	Authorizes 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.	1
13050	Authorizes the transportation in commerce of cylinders containing Division 2.3 hazardous materials to transported with alternative labels.	1
13052	Authorizes 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.	1
13054	Authorizes the transportation in commerce of MC330 and MC331 cargo tanks equipped with an alternative gauging device for use in transporting Division 2.1 and 2.2 material.	1
13057	Authorizes the transportation in commerce of metal tubing containing hazardous materials to be transported with minimal regulation.	1
13078	Authorizes the transportation in commerce of tank cars without head and thermal protection for use in transporting Class 2 material.	1
13083	Authorizes the transportation in commerce of self-heating, solid, organic, n.o.s. in flexible intermediate bulk containers not to exceed 2,500 lbs.	1
13088	Authorizes the transportation in commerce of Division 2.3, 6.1 and Class 8 hazardous material in specially designed stainless steel containers overpacked in reusable 30-gallon steel containers.	1
13092	Authorizes the transportation in commerce of certain organic peroxides, Division 5.2 in DOT-Specification cargo tanks.	1
13100	Emergency request to transport an Organic peroxide, Type F in a 31HA1 IBC.	1

Table B.1. Active Special Permits

ID	Summary	Code
13102	Emergency request to transport non-DOT specification packagings, described as actuators, charged with limited quantities of various hazardous materials.	2
13105	Authorizes the manufacture, mark, sale and use of non-DOT specification cylinders for use in transporting Division 2.1 materials.	2
13107	Authorizes 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.	1
13109	Authorizes the manufacture, marking, sale and use of non-DOT specification containers described as hermetically-sealed electron tube devices for use in transporting Division 2.2 hazardous materials.	2
13110	Authorizes the transportation in commerce of a non-DOT specification bulk packaging for use in transporting metal catalyst, dry, Division 4.2.	2
13112	Authorizes 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.	2
13113	Authorizes 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.	1
13117	Authorizes an alternative examiner other than the Bureau of Explosives for cigarette lighter and inner packaging approval requests.	1
13124	Application for an emergency special permit to continue to use an IBC for ammonia solutions after an October 2002 deadline for a final rule.	1
13127	Emergency request to transport ammonium perchlorate and sodium perchlorate in UN specification intermediate bulk containers by highway.	1
13133	Emergency request to transport up to 25 grams of unapproved explosives classed as Division 1.4E when shipping in a special shipping container.	1
13135	To modify the special permit 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.	2
13137	Authorizes 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.	1
13144	Emergency request to transport a Division 6.1 inhalation hazard material in Hazard Zone A in a seamless specification 4BW240 cylinder.	1
13161	Authorizes the transportation in a commerce of small quantity of Class 3 hazardous material in specially designed packaging to be transported as unregulated.	1
13163	Authorizes the transportation in commerce of certain infectious substances in specially designed packaging.	1
13165	Authorizes the transportation in commerce of non-bulk hazardous materials within the same facility along public roads with alternative shipping papers.	1
13167	Authorizes 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.	1
13169	Authorizes the transportation in commerce of flammable liquids which exceed that quantity limitations when transported by cargo aircraft.	1
13172	Authorizes the transportation in commerce of helium, Division 2.2, in fully wrapped carbon-fiber reinforced aluminum lined non-DOT cylinders with a maximum service pressure of 3240 psi and a water capacity of 260 liters.	2

Table B.1. Active Special Permits

ID	Summary	Code
13173	Authorizes the manufacture, mark, sale and use of DOT-CFFC specification fully wrapped carbon fiber reinforced aluminum lined cylinders mounted in protective enclosures for use in transporting Division 2.1 and 2.2 hazardous materials.	2
13178	Authorizes the transportation in commerce of 350 gallon DOT Specification bulk containers for use in transporting flammable liquids, n.o.s by cargo aircraft.	2
13179	Authorizes 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.	1
13181	Authorizes 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.	1
13182	Authorizes the transportation in commerce of foreign designed cylinders with relief from filling limits for use in transporting phosphine, Division 2.3	2
13187	Emergency request to authorize the transportation in commerce of compressed gas in a non-specification plastic pressure vessel.	2
13190	Authorizes cargo tanks to be unloaded without meeting the attendance requirements.	1
13192	Authorizes the transportation of labpack quantities of hazardous materials with other containerized hazardous materials with partial relief from certain segregation requirements.	1
13199	Authorizes the transportation in commerce of reconditioned refrigeration units containing Division 2.2 hazardous materials.	1
13200	Authorizes the transportation in commerce of Class 1 explosives which are forbidden or exceed quantities as presently authorized.	2
13201	Authorizes the transportation in commerce of fire extinguishers of plastic construction equipped with steel or aluminum fittings.	1
13202	Authorizes the transportation in commerce of dry sodium cyanide, Division 6.1 in alternative bulk packaging inside trailers or freight containers.	2
13207	Emergency request to authorize the transportation in commerce of certain hazardous materials in portable tanks that are loaded between 70and 76 percent filling density by volume.	2
13208	Authorizes 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.	2
13211	Authorizes the transportation in commerce of a non-bulk UN standard alternative packaging for use in transporting nitroglycerin solution in alcohol.	2
13213	Authorizes the transportation in commerce of limited quantities of Class 3, Class 9 and Division 2.1 hazardous materials being stowed on and below deck on passenger ferry vessels transporting motor vehicles, such as recreational vehicles, with attached cylinders of liquefied petroleum gas.	1
13215	Authorizes the manufacture, mark, sale and use of non-DOT specification insulated portable tanks for use in transporting Division 2.2 hazardous materials.	2
13216	Application for an emergency special permit to authorize the shipments of airbags and seatbelt pretensioners being recalled. The applicant requests relief from section 172.704 which addresses the general awareness /familiarization training.	1
13217	Emergency request to authorize the transportation in commerce of gasoline in equipment (gasoline dispensers) by highway.	2
13219	Authorizes the transportation in commerce of DOT specification tank cars containing Division 5.1 and 5.2 hazardous materials without removing the frangible	2

Table B.1. Active Special Permits

ID	Summary	Code
	disc.	
13220	Authorizes the transportation in commerce of non-DOT specification cylinders containing certain compressed gases absorbed onto a microporous substance and transported at sub-atmospheric pressure.	2
13229	Authorizes 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.	2
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.	2
13232	Authorizes the transportation in commerce of DOT Specification cylinders which have received an alternative tensile test for use transporting compressed gases.	2
13235	Authorizes filling and discharging of a DOT Specification 4L cylinder with carbon dioxide, refrigerated liquid without removal from the vehicle.	1
13244	Authorizes the manufacture, mark, sale and use of non-DOT specification containers described as hermetically-sealed electron tubes for use in transporting Division 2.2 hazardous materials.	2
13245	Authorizes the manufacture, mark, sale and use of non-DOT specification cylinders similar to DOT Specification 39 cylinders for use in transporting Division 2.2 hazardous materials.	2
13246	Authorizes 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.	2
13249	Authorizes the transportation in commerce of sodium in DOT-4BW240 cylinders that are visually inspected externally instead of the required hydrostatic requalifications.	2
13250	Authorizes the manufacturing, marking, sale and use of brass-lined filament wound cylinders for use in transporting medical oxygen.	2
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.	2
13259	Authorizes 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.	2
13262	Authorizes 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.	1
13264	Authorizes 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.	2
13269	Authorizes the one-way transportation in commerce of anhydrous ammonia in DOT specification cylinders equipped with emergency kits to prevent leakage during transportation.	2
13270	Application for an emergency special permit to authorize the transportation in commerce of Division 2.1 and 2.2 materials in non-DOT specification pressure vessels (airbags).	2
13275	Authorizes the transportation of certain DOT Specification 2Q containers containing	2

Table B.1. Active Special Permits

ID	Summary	Code
	liquefied petroleum gas with a charging pressure of 230 psig at 130 degrees F.	
13280	Authorizes the manufacture, mark, sale and use of a specially designed storage device consisting of a non-DOT specification cylinder similar to a DOT 3AL cylinder for use in transporting hydrogen, Division 2.1.	2
13282	Authorizes 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.	2
13285	Authorizes the manufacture, marking, sale and use of a UN4G fiberboard box as the outer packaging for lab pack applications.	2
13292	Authorizes 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.	2
13295	Authorizes the manufacture, marking, sale and use of non-DOT specification seamless steel cylinders for use in transporting certain compressed gases.	2
13301	Authorizes the transportation in commerce of certain hazardous materials for a distance of approximately 400 feet without proper hazard communication.	1
13306	Authorizes 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.	2
13307	Authorizes the transportation in commerce of an aluminum phosphide based pesticide which meets the definition of a Division 4.3 materials to be shipped as aluminum phosphide pesticide, a Division 6.1 material.	1
13312	Authorizes 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.	2
13313	Authorizes the transportation in commerce of certain hazardous materials in roll-on, roll-off transport vehicles aboard passenger ferry vessels.	1
13317	Emergency request to authorize the transportation in commerce of diborane and mixtures thereof in DOT Specification 3AL cylinders.	2
13318	Request for an emergency special permit 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".	2
13321	Authorizes the transportation in commerce of infectious substances, Division 6.2, in reused specification UN 5L3 textile bags.	1
13322	Authorizes 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.	1
13323	Application for an emergency special permit to transport certain gases in non-dot specification cylinders.	2
13325	Authorizes 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.	2
13327	Authorizes the manufacture, mark, sale and use of manways constructed from glass fiber reinforced plastics for use on cargo tank motor vehicles in transporting certain hazardous materials.	2
13330	Authorizes the transportation in commerce of certain flammable gases in a non-DOT specification cylinder used for oil well sampling.	2
13336	Authorizes the manufacture, mark, sale and use of a non-DOT specifications	2

Table B.1. Active Special Permits

ID	Summary	Code
	cylinder for use in transporting certain classes of hazardous materials.	
13337	Authorizes 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.	2
13341	Authorizes the one-way transportation in commerce of certain non-DOT specification storage tanks containing propane.	2
13343	Authorizes 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.	1
13350	Authorizes the transportation in commerce of four Space Shuttle Orbiter Auxiliary Power Units containing the residue of Hydrazine, anhydrous.	1
13355	Authorizes the transportation in commerce of poison pack without hazard labels.	2
13359	Authorizes 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.	2
13381	Authorizes 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.	2
13385	Authorizes the transportation of UN portable tanks without performing the rail impact test.	2
13402	Authorizes 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.	2
13422	Authorizes the transportation in commerce of portable oxygen generators.	2
13424	Authorizes cargo tanks to remain connected while standing without the physical presence of an unloader.	1
13426	Authorizes the transportation in commerce of non-DOT specification containers for use in transporting Argon, Division 2.2.	2
13441	Authorizes the transportation in commerce of limited quantities of waste materials in amounts that exceed the quantity limitations specified under the material of trade exception as defined in 49 CFR.	1
13442	Authorizes the transportation in commerce of Class 3, paints liquids in inner plastic packagings not exceeding 5 L capacity in addition to the glass and metal packagings.	2
13481	Authorizes 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.	1
13482	Authorizes the transportation in commerce of certain uninsulated UN portable tanks that are currently authorized for certain hazardous materials, except that the portable tanks do not meet the provisions of Section 172.101 SP B14, which requires insulation.	2
13483	Authorizes the transportation of a non-DOT specification cylinder conforming in part with the DOT-3AA specification, for use in transporting non-liquefied compressed gases.	2
13484	Authorizes cargo tanks to remain connected while standing without the physical presence of an unloader.	2
13485	Authorizes 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.	2

Table B.1. Active Special Permits

ID	Summary	Code
13487	Authorizes the one-way transportation in commerce of certain infectious materials in alternative packaging.	3
13488	Authorizes the manufacture, marking, sell and use of non-DOT specification cylinders for use in transporting certain nonflammable gases.	2
13544	Authorizes the transportation in commerce of cylinders containing a residue of propane to be transported as essentially unregulated.	2
13546	Authorizes the transportation in commerce of certain hazardous materials across a public road from the facility to be transported as essentially unregulated.	1
13547	Authorizes the use of an alternative testing procedure as an alternative to the flattening tests specified for DOT series cylinders.	2
13548	Authorizes the transportation in commerce of batteries with two different UN numbers on the same transport vehicle.	1
13552	Authorizes the transportation in commerce of Waste, Phosphorus, white, under water in alternative packagings.	1
13554	Authorizes 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.	2
13556	Application for special permit to transport regulated medical waste in containers that are not leak-proof per 173.197(d).	2
13560	Authorizes the transportation in commerce of hydrogen in a metal hydride storage system that utilize non-DOT specification cylinders.	2
13561	Authorizes the one-time transportation in commerce of certain hazardous materials to a new site to be transported as essentially unregulated.	3
13562	Authorizes the transportation of airbag inflators, air bag modules and seat belt pretensioners in reusable containers of wooden construction.	2
13577	Authorizes the transportation in commerce of refrigerant 134a to be shipped as a limited quantity compressed gas.	2
13580	Authorizes the manufacture, marking, sale and use of non-DOT specification pressure vessels for use in transporting certain compressed gases.	2
13581	Authorizes the transportation in commerce of certain aerosols in packagings manufactured under DOT-E 12573 as consumer commodity ORM-D.	2
13582	Authorizes the transportation in commerce of certain cylinders manufactured to a foreign specification for use in transporting certain Zone A toxics.	2
13598	Authorizes the manufacture, mark, sale and use of a specially designed device for use in transporting certain Division 2.1 hazardous materials.	2
13599	Authorizes the transportation in commerce of certain DOT-specification cylinders with alternative filling densities/ratios.	2
13601	Authorizes the transportation in commerce of certain aerosol cans with alternative filling criteria.	2
13616	Authorizes the transportation in commerce of helium in DOT-specification cylinders that are manifolded together and exceed the quantity limitation for cargo aircraft only.	2
13736	Authorizes the transportation in commerce of 350- gallon bulk containers for use in transporting certain Class 3 hazardous materials.	2
13738	Authorizes the one-time, one-way transportation of uranium hexafluoride cylinders without overpacks.	3
13756	Authorizes the transportation in commerce of a specially designed device consisting of a metal tubing containing certain hazardous materials to be transported as	2

Table B.1. Active Special Permits

ID	Summary	Code
	essentially unregulated.	
13796	Application for an emergency special permit to authorize the transportation in commerce of waste, phosphorus, white under water in alternative packaging.	2
13856	Authorizes the manufacture and use of DOT class 111S tank cars exceeding the presently authorized weight limit for use in transporting Class 3 materials.	2
13859	Authorizes the transportation in commerce of certain hazardous materials to be transported together in the same transport vehicle.	1
13860	Authorizes the transportation in commerce of non-specification DOT cylinders for use in transporting uranium hexafluoride, class 7.	3
13876	Authorizes the transportation in commerce of wet batteries for disposal to be transported in non-DOT specification packaging.	2
13896	Authorizes the repair of DOT-3 series cylinders by external re-threading of the cylinder neck.	2
13916	Authorizes the transportation in commerce of flammable liquid in combination packaging consisting of a tested inner plastic drum and a tested outer steel drums without performance testing as a combination packaging.	5
13936	Authorizes the transportation in commerce of DOT 112S specification tank cars that exceed the weight requirement for transporting certain hazardous materials.	2
13937	Authorizes the manufacture, marking and sale of a corrugated fiberboard box for use as the outer packaging for lab pack applications.	2
13956	Authorizes the one-time, one-way transportation in commerce of two inductions pumps, containing residual amounts of Sodium, Division 4.3.	3
13957	Authorizes the manufacture, marking and sale and use of domestically-manufactured composite cylinders to be used in the transportation of certain flammable and nonflammable gases.	2
13958	Authorizes 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.	2
13959	Authorizes cargo tanks to remain connected while standing without the physical presence of an unloader anhydrous ammonia, Division 2.2.	1
13961	Authorizes an alternative requalification method for DOT-3AL cylinders.	2
13963	Authorizes the manufacture, marking, sale and use of specially designed packaging for transporting used nuclear reactor pressure vessel heads.	2
13976	Application for a special permit to transport telephone poles containing a 6.1, pkg group I, zone B, without placards.	2
13977	Authorizes the transportation in commerce of certain cylinders that are charged in excess of their marked pressure.	2
13996	Authorizes the transportation in commerce of airbag inflators/modules/pyrotechnic seat belt petitioners in reusable high strength plastic or metal containers or dedicated handling devices.	2
13997	Authorizes the transportation in commerce of Propane in DOT specification 51 portable tanks exceeding the weight limitations authorized for shipment by cargo aircraft in Alaska.	2
13998	Authorizes an alternative requalification method for DOT-3A, DOT-3AA, DOT-3AX and DOT-3AAX steel cylinders.	2
13999	Authorizes 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.	2

Table B.1. Active Special Permits

ID	Summary	Code
14001	Authorizes the use of video cameras and monitors to observe the loading and unloading operations of certain hazardous materials from a remote control station in place of personnel remaining within 7.62 meters (25 feet) of cargo tank motor vehicles.	1
14003	Authorizes 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.	2
14004	Authorizes the transportation in commerce of certain Division 2.2 gases in DOT Specification 105J500W tank cars with a maximum gross weight on rail greater than currently authorized.	1
14005	Authorizes the transportation in commerce of certain compressed gases in DOT specification 3A, 3AA, 3BN, and certain DOT special permit cylinders when retested by 100 percent ultrasonic examination and external visual inspection in lieu of internal visual inspection and the hydrostatic retest.	2
14006	Authorizes the transportation in commerce of certain compressed gases in DOT specification 3AL cylinders, made from aluminum alloy 6061 T-6, when retested by 100 percent ultrasonic examination and external visual inspection in lieu of internal visual inspection and the hydrostatic retest.	2
14010	Authorizes the one-way transportation in commerce of a 50% solution of Hypophosphorous Acid in alternative UN 3H2 packagings.	2
14016	Emergency special permit authorizes the transportation in commerce of Tungsten hexafluoride in DOT Specification 3BN cylinders that have been requalified using external visual inspection in lieu of hydrostatic retest and internal visual inspection.	5
14038	Authorizes 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.).	2
14039	Authorizes 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.	2
14040	Authorizes the one-time transportation in commerce of foreign cylinders for disposal.	3
14076	Authorizes the transportation in commerce of two Class 7 nuclear reactor heads in alternative packaging.	2
14096	Authorizes the one-time, one-way transportation in commerce of uranium hexafluoride in alternative packaging.	3
14097	Authorizes the transportation in commerce of Division 2.2 aerosols of less than 20 ounce capacity in plastic packagings.	2
14098	Authorizes an application for a one-time shipment of fluorine gas in a non-specification portable tank.	3
14116	Authorizes the transportation in commerce of a non-DOT specification 500 gallon storage tank containing approximately 350 gallons of propane one-time, one-way for remediation.	3
14117	Authorizes the transportation in commerce of 65 DOT Specification stainless steel tank cars which are overdue for inspection of the reclosing pressure relief devices.	5
14118	Authorizes the transportation in commerce of Propane in DOT Specification 4B240 cylinders exceeding the weight limitations authorized for shipment by cargo aircraft in Utah.	4

Table B.1. Active Special Permits

ID	Summary	Code
14137	Authorizes the transportation in commerce of Hydrochloric acid up to 38% concentration in intermediate bulk containers.	2
14139	Authorizes the one-time, one-way transportation in commerce of solidified sodium metal in a non-DOT specification bulk packaging.	3
14141	Authorizes 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.	1
14144	Authorizes the one-time transportation in commerce of lithium hydride, fused solid in specially designed non-bulk containers.	3
14145	Authorizes the transportation in commerce of certain class 1 materials by vessel in an alternative stowage configuration.	1
14146	Authorizes the transportation in commerce of certain engines, machinery and apparatus with up to 120 ml (4 ounces) of flammable liquid fuel by vessel.	1
14147	Authorizes the one-time shipment of a Division 4.3 material in non-DOT specification bulk packaging by highway.	3
14149	Authorizes the transportation in commerce of certain DOT-3AL seamless aluminum cylinders that have been alternatively ultrasonically retested for use in transporting Division 2.1, 2.2 , 2.3 materials.	2
14150	Authorizes an alternative attendance method for cargo tanks during loading and unloading of Class 3 and 8 hazardous materials.	1
14151	Authorizes the transportation in commerce of certain non-DOT specification cylinders for obtaining core samples of naturally occurring methane.	2
14152	Authorizes 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.	2
14153	Authorizes the one-time transportation in commerce of toxic liquid, corrosive, organic, N.O.S. in UN drums that do not have the required overpack.	3
14154	Authorizes 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.	2
14155	Authorizes the transportation in commerce of certain fireworks in non-DOT specification packagings when returned to the distributor.	2
14157	Authorizes the manufacture, marking, sell and use of non-DOT specification cylinders similar to DOT 3AA for use in transporting certain nonflammable gases.	2
14158	Authorizes the transportation by vessel of a fuel cell power plant containing hazardous materials that are not segregated as required by 49 CFR 176.83.	1
14159	Authorizes the one-time one-way transportation in commerce of 8 non-DOT specification cylinders containing a Division 4.2 material.	3
14160	Authorizes the one-time transportation in commerce of two cylinders that are no longer authorized to contain nitrogen dioxide.	3
14160	To reissue the special permit originally issued on an emergency basis for the one time transportation in commerce of two cylinders that are no longer authorized to contain nitrogen dioxide (they were filled in the early 60's.)	4
14162	Authorizes the manufacture, mark and sale of certain non-DOT specification cylinders, each with an alternative thermal relief device, containing Division 2.2 materials, for use in fire suppression systems.	2
14163	Authorizes the transportation in commerce of certain Division 2.2 materials in DOT specification cylinders that are manifolded and are not equipped with an individual	2

Table B.1. Active Special Permits

ID	Summary	Code
	shut off valve.	
14164	Authorizes the transportation in commerce of non-DOT specification cylinders, similar to DOT 4BW cylinders, containing Trimethylaluminum.	2
14165	Application for an emergency special permit to transport infectious substances and diagnostic specimens in containers that are not authorized in the HMR.	4
14166	Authorizes 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.	1
14167	Authorizes the manufacture, mark and sell DOT 105J600W specification tank cars having a maximum gross weight on rail of 286,000 in chlorine service.	2
14168	Authorizes the transportation in commerce of salvage cylinders by cargo vessel.	2
14169	Authorizes the one-time, one-way transportation in commerce of a leaking tank car tank that has been fitted with an emergency "B" chemical kit. The tank contains chlorine and an emergency special permit is necessary to protect life and the environment.	3
14170	Authorizes the transportation in commerce of certain compressed gases in non-DOT specification fiberglass reinforced plastic cylinders.	2
14171	Authorizes the transportation in commerce of nitrogen in non-DOT specification cylinders, without pressure relief devices, in support of the space shuttle.	5
14172	Authorizes the transportation in commerce of infectious substances in a large capacity liquid nitrogen freezer.	1
14173	Authorizes 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.).	2
14175	Authorizes 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.	2
14176	Authorizes the manufacture, mark and sale of refueling tanks of up to 80 gallon capacity for use in transporting various Class 3 hazardous materials.	2
14181	Authorizes the transportation in commerce of fireworks in a non-DOT specification bulk container.	5
14182	Authorizes the transportation in commerce of certain materials that exceed quantity limitations when shipped by cargo aircraft.	5
14183	Authorizes the manufacture, marking, sale and use of non-DOT specification sealed electron tube radiation sensors to transport Division 2.1 and 2.2 materials.	2
14185	Authorizes the transportation in commerce of uranium hexafluoride in non-DOT specification cylinders.	2
14186	Authorizes 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.).	2
14187	Authorizes the transportation in commerce of nickel-hydrogen batteries in non-DOT specification packaging.	2
14188	Authorizes the manufacture, marking, sale and use of non-DOT specification inner nonrefillable metal receptacles similar to DOT specification 2Q containers for certain Division 2.2 materials.	2
14189	Authorizes the transportation in commerce of the residue of certain Class 3 materials in non-DOT specification portable tanks without marking and placarding.	2

Table B.1. Active Special Permits

ID	Summary	Code
14190	Authorizes the transportation in commerce of certain Class 3 and 9 materials across a public road without shipping papers, marking or labeling.	1
14192	Authorizes the transportation in commerce of several low pressure, high temperature reactors containing an oxidizer.	5
14193	Authorizes the emergency transportation in commerce of Liquefied gas, toxic, flammable, inhalation hazard zone B, UN3160 in IMO type 5 portable tanks.	2
14194	Emergency special permit request to authorize the transportation of Zippo lighters in special travel containers in checked luggage in commercial passenger aircraft.	1
14195	Authorizes the emergency transportation in commerce of cigarette lighters for disposal in certain non-bulk packagings by cargo-only aircraft within the State of Alaska.	5
14196	Authorizes rail cars containing a combustible liquid to remain attached to unloading connectors without the physical presence of an unloader.	1
14201	Authorizes the transportation in commerce by cargo only aircraft of Class 1 explosives which are forbidden or exceed quantities presently authorized.	1
14203	Emergency request to authorize the transportation in commerce of 1.3C propellants contained in UN 1G fiber drums that have partial performance oriented packaging certification markings.	5
14204	Authorizes the transportation in commerce of bromine in single Monel packagings.	2
14205	Authorizes the transportation in commerce of Division 2.2 aerosols in plastic packagings.	2
14206	Authorizes the transportation in commerce of certain cylinders that have been ultrasonically retested for use in transporting Division 2.1, 2.2 , 2.3 materials.	2
14207	Authorizes 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.).	2
14208	Authorizes the one-way highway transportation in commerce of a fueled THADD Duvert and Attitude Control System assembly containing separate cylinders of methyl hydrazine and dinitrogen tetroxide.	4
14209	Authorizes the manufacture, mark, sale and use of a non-DOT specification composite cylinder for the transportation of compressed air.	2
14210	Authorizes 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.	2
14211	Emergency request to authorize the transportation in commerce of anhydrous ammonia in a DOT Specification 4AA480 cylinder that developed a leak and has an Ammonia Emergency Kit applied.	4
14213	Authorizes the manufacture, marking and sale of 55-gallon UN 1H1 drums for shipment of up to 40% nitric acid.	2
14215	Authorizes the one-time transportation in commerce of certain DOE-owned uranium hexafluoride cylinders using a UX-30 overpack.	3
14219	Authorizes the one-way transportation in commerce by motor vehicle of two Reactor Vessel Closure Head packages containing Class 7 material.	2
14221	Authorizes the one-time exclusive use shipment of approximately 1,000 non-DOT specification uranium hexafluoride cylinders.	3
14222	Authorizes the transportation in commerce of a hazardous waste (boiler stacks) on a flatbed motor vehicle.	1

Table B.1. Active Special Permits

ID	Summary	Code
14223	Authorizes the transportation in commerce of Division 2.1 aerosols in plastic packagings.	2
14224	Authorizes the one time transportation in commerce of certain division 1.1 (1.1D) explosives which are forbidden by cargo aircraft.	5
14227	Authorizes 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.	2
14228	Authorizes the transportation in commerce of certain DOT Specification 3A and 3AA cylinders containing compressed oxygen without a pressure relief device.	2
14230	Authorizes the one-time transportation in commerce of non-DOT specification cylinders containing Dichlorosilane to an ocean shipment consolidation facility and/or port.	3
14232	Authorizes 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.	2
14234	Authorizes the manufacture, marking, sale and use of a UN4G fiberboard box as the outer packaging for lab pack applications.	2
14236	Authorizes 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.	2
14237	Authorizes the manufacture, marking, sale and use of non-DOT specification packagings for Division 2.3 materials transported by highway and cargo vessel.	2
14238	Authorizes the manufacture, mark, sale, and use of non- DOT specification fully wrapped carbon-fiber reinforced aluminum lined cylinders.	2
14239	Authorizes the transportation in commerce of certain compressed gases in DOT Specification 3AA, 3AAX and 3T cylinders which have been alternatively ultrasonically retested.	2
14240	Authorizes the emergency transportation in commerce of certain hazardous materials used to support the recovery and relief efforts to, from and within the Hurricane Katrina disaster areas not subject to certain requirements of the Hazardous Materials Regulations.	4
14241	Request for an emergency special permit to transport hazardous materials used to support the recovery and relief efforts to, from and within the Hurricane Katrina disaster areas of Mississippi under conditions that may not meet the Hazardous Materials Regulations.	4
14242	Request for an emergency special permit to transport hazardous materials used to support the recovery and relief efforts to, from and within the Hurricane Katrina disaster areas of Louisiana under conditions that may not meet the Hazardous Materials Regulations.	4
14243	Request for an emergency special permit to transport hazardous materials used to support the recovery and relief efforts to, from and within the Hurricane Katrina disaster areas of Alabama under conditions that may not meet the Hazardous Materials Regulations.	4
14244	Request for an emergency special permit to transport hazardous materials used to support the recovery and relief efforts to, from and within the Hurricane Katrina disaster areas of Florida under conditions that may not meet the Hazardous Materials Regulations.	4
14245	Authorizes the transportation in commerce of certain cylinders that have had hazard communication markings and labels removed as a result of weather conditions related to Hurricane Katrina.	4

Table B.1. Active Special Permits

ID	Summary	Code
14246	Authorizes the transportation in commerce of certain cylinders that are out of test by no more than one year. The cylinders are needed as a result of the effects of Hurricane Katrina.	4
14247	Authorizes the transportation in commerce of certain hazardous materials in DOT Specification 51 portable tanks that are overdue for periodic inspection.	2
14248	Authorizes the transportation in commerce of hazardous materials used to support the recovery and relief efforts to, from and within the Hurricane Rita disaster areas.	4
14249	Authorizes the transportation in commerce of cartridges, small arms in a 20-cubic yard bulk box.	2
14250	Authorizes the emergency transportation in commerce of a Division 6.2 material in packagings marked with an unauthorized proper shipping name.	1
14251	Authorizes the transportation in commerce of overpacked cylinders containing Class 2 materials with a CGA C-7 neckring labels.	2
14253	Authorizes the one-way, one-time shipment of a DOT 3AA cylinder containing hydrogen sulfide further packed in a non-DOT specification salvage cylinder.	3
14254	Authorizes 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 without certain hazard communication requirements.	1
14255	Authorizes the one-way transportation in commerce of certain non-DOT specification pressure vessels containing a Class 3 flammable liquid residue.	2
14256	Authorizes an alternative qualification requirement for meeting the Design Certifying Engineer criteria in 49 CFR 171.8.	1
14257	Authorizes the transportation in commerce of certain non-DOT specification cylinders containing butane.	2
14262	Authorizes the transportation in commerce of certain rail cars containing carbon dioxide with a tank head thickness slightly below the minimum required.	1
14263	Authorizes the manufacture, marking and sale of DOT Specification 20PF-1, 20PF-2 and 20PF-3 overpacks manufactured in variance with the specification in 49 CFR 178.356, and for their transport when containing uranium hexafluoride, fissile in Type A packagings.	2
14265	Authorizes the transportation in commerce of Sodium in non-DOT specification packages.	4
14267	Authorizes the transportation in commerce of waste fissile uranium contaminated equipment in a DOT 7A, Type A packaging when transported by motor vehicle or rail.	2
14272	Authorizes the transportation in commerce of a non-specification cargo tank (volumetric meter prover) containing the residue of a Division 2.1 material.	2
14273	Authorizes the transportation in commerce of lighters in non-DOT specification packaging without marking the approval number (T number) on the outer package.	2
14274	Authorizes 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.	2
14275	Authorizes 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.	2
14279	Authorizes the transportation in commerce of hydrogen sulfide in DOT specification	2

Table B.1. Active Special Permits

ID	Summary	Code
	cylinders with a service pressure of 480 psig.	
14280	Authorizes the one-time transportation in commerce of bromine in DOT-specification 4BW cylinders by motor vehicle.	3
14281	Authorizes the transportation in commerce of certain scrap airbag inflators, seat belt pretensioners and/or airbag modules classified as Division 1.3C explosive articles.	1
14282	This emergency 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.	1
14283	Authorizes 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.	2
14286	Authorizes 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.	2
14287	Authorizes the transportation in commerce of certain radioactive materials exceeding the quantity that may be transported in a Type A packaging.	3
14289	Authorizes the transportation in commerce of certain DOT Specification 3AA, 3AAX and 3T cylinders which have been alternatively ultrasonically retested.	2
14290	The emergency special permit authorizes the one-time, one-way transportation in commerce of certain Division 1.1 and 1.5 explosives which are forbidden in cargo aircraft.	3
14291	Request for an emergency special permit to transport liquefied petroleum gas in quantities that exceed the quantities specified for cargo aircraft in the Hazardous Materials Regulations.	4
14292	This emergency special permit authorizes the transportation in commerce of boron trifluoride in DOT Specification 3AAX and 3AA manifolded cylinders.	nf
14292	Authorizes the transport of boron trifluoride in DOT Specification 3AAX and 3AA manifolded cylinders.	2
14293	Authorizes the transportation in commerce of certain multiwall paper bags that meet the performance requirements but do not have the proper specification marking.	5
14296	Authorizes 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.	2
14297	Authorizes the transportation in commerce of certain hazardous material liquids in a UN5H woven plastic bag.	2
14298	Authorizes 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 requalified every ten years rather than every five years.	2
14301	Authorizes 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.	2
14303	Authorizes the one-time, one-way transportation in commerce of reactor vessel closure heads in alternative packaging.	3
14306	An application for an emergency special permit for authorization to transport a TIH, Zone B material with an inner container of a UN drum that does not meet the	5

Table B.1. Active Special Permits

ID	Summary	Code
	minimum thickness requirements.	
14307	Application for an emergency special permit to authorize the transportation in commerce of certain drums containing organic peroxides that have not been marked with the UN markings.	5
14308	Authorizes the transportation in commerce of a non-DOT specification pressure vessel as part of a satellite assembly containing anhydrous ammonia.	5
14309	Authorizes the emergency transportation in commerce of a Division 6.2 material in packagings which have not been marked with the ASTM testing certification.	5
14310	Authorizes the transportation in commerce of certain Division 2.3 gases in DOT specification cylinders without pressure relief devices.	2
14311	Authorizes the transportation in commerce of cylinders manufactured under DOT-E 7945 without a strong outer packaging.	2
14313	Authorizes the use of ultrasonic inspection as an alternative retest method for certain DOT specification cylinders and certain cylinders manufactured under a DOT special permit.	2
14315	Authorizes the manufacture, mark, sale and use of non-bulk, non-DOT Specification metal refueling tanks for transportation of certain Class 3 liquids.	2
14317	Authorizes 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.	2
14318	Authorizes 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.	2
14319	Authorizes the transportation in commerce of cans that have been manufactured in accordance with special permit 11644, but have been mis-marked with "134a" instead of the required "DOT-E 11644".	5
14320	Authorizes the transportation in commerce of a Division 4.2 material in non-DOT specification intermediate bulk containers by highway.	5
14321	Authorizes the transportation in commerce of approximately 118 cylinders originally manufactured under DOT-SP 10915 which were not subjected to proper autofrettage and/or hydrostatic testing by the Independent Inspection Agency containing Division 2.2 hazardous material.	2
14322	To issue an emergency Special Permit to authorize the transportation in commerce of an ORM-D by air. The packaging does not meet the pressure capability requirements in 173.27(c)(2).	5
14323	Authorizes the transportation in commerce of nitric acid, other than red fuming in UN6HA1 composite drums by highway.	2
14325	Authorizes the transportation in commerce of certain Division 1.1 and 1.2 rockets which exceed quantities authorized for transportation by cargo aircraft only.	3
14327	Emergency special permit request to authorize the transportation of Colibri lighters in special travel containers in checked luggage in commercial passenger aircraft.	4
14328	Authorizes the transport of Division 1.3G explosives (igniters) which are forbidden for shipment by cargo-only aircraft.	5
14329	Authorizes the transportation in commerce of certain radioactive materials exceeding the quantity that may be transported in a Type A packaging.	3
14332	Authorizes the transportation in commerce of certain Division 6.1 hazardous materials in Hazard Zone A in packaging with a lower hydrostatic test pressure.	2
14333	Authorizes the transportation in commerce of certain DOT Specification 110A500W	2

Table B.1. Active Special Permits

ID	Summary	Code
	containers that have straight threads in the clean-out/inspection port openings instead of National Gas Taper Threads.	
14334	Authorizes 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.	1
14335	Authorizes 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.	2
14336	Authorizes the one-way transportation in commerce of sodium metal in non-DOT specification bulk packaging by highway.	3
14338	Authorizes the manufacture, mark, sale and use of a refillable non-DOT specification cylinder similar to a DOT specification 39 cylinder.	2
14339	Authorizes 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.	2
14340	Authorizes the transportation in commerce of a flammable liquid in a 20 gallon non-DOT specification packaging by highway.	2
14341	Authorizes the use of DOT 4BW240 cylinders for the transportation of acrolein by motor vehicle and cargo vessel.	2
14342	Authorizes the manufacture, mark, 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).	2
14344	Authorizes the emergency one-way transportation in commerce of solid materials contaminated with or suspected to be contaminated with anthrax bacteria or spores, in a non-DOT specification packaging consisting of a bulk outer packaging and non-bulk inner packagings conforming to the provisions of this special permit for decontamination.	4
14346	Authorizes the one-time transportation in commerce of 16 DOT Specification tank cars containing a Division 2.2 refrigerant gas without meeting requirements for the tank-head puncture resistance system or thermal protection.	3
14347	Authorizes the transportation in commerce of a Class 7 nuclear reactor head in alternative packaging.	3
14349	Authorizes 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.	2
14351	Authorizes the one-time shipment in exclusive use vehicles, of Nitric acid in 55 gallon DOT 42B drums which deviate from the required wall thickness, secondary cap seal and overpack requirements for Packing Group I Hazard Zone B materials.	4
14354	Authorizes the one way return transportation of approximately 24 DOT 3AA-2015 cylinders overfilled with a Division 2.3 gas	4
14355	Authorizes the transportation in commerce of nine DOT Specification 112 tank cars without head and thermal protection for use in transporting certain Division 2.2 material by extending the date for retrofitting beyond July 1, 2006.	1

Table B.1. Active Special Permits

ID	Summary	Code
14356	Authorizes 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.	2
14359	Authorizes the transportation in commerce of certain Division 4.2 PG II and III materials in non-DOT specification intermediate bulk containers by highway.	5
14361	Authorizes the transportation in commerce of certain UN1A2/Y1.6/90 steel drums containing paint that do not meet the 95 kPa pressure requirement for transportation by air in remote areas of Alaska.	5
14363	Authorizes the one-time highway transportation in commerce of seven freight containers containing 140 flexible IBCs containing Ammonium fluoride, 6.1, PG III that have become wet and may leak liquid hazardous material.	4
14364	Authorizes the transportation in commerce of hydrogen chloride in an MC-331 specification cargo tank for which the prescribed periodic retest or re-inspection is past due.	5
14366	Authorizes the one-way transportation in commerce of the Orbital Express ASTRO satellite containing explosives, lithium batteries and helium in alternative packaging by motor vehicle from California to Florida.	1
14367	Authorizes the one-way transportation in commerce of certain Division 1.3L explosives and lithium batteries as part of the payload for the Sea Launch Integrated Launch Vehicle by cargo only aircraft.	3
14372	Authorizes the transportation in commerce of certain non-DOT specification cylinders of foreign manufacture used as components (fire extinguishers) in aircraft.	2
14373	Authorizes the transportation of lighters in specially designed packagings for transportation by passenger-carrying aircraft.	2
14374	Authorizes the transportation in commerce of Division 4.3 hazardous material in non-DOT specification cylinders.	2
14375	Authorizes 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.	2
14376	Authorizes 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.	2
14378	Authorizes the one-time transportation in commerce of a Class 7 surface contaminated object in alternative packaging.	3
14380	This emergency special permit authorizes the one-time one-way transportation in commerce of anhydrous ammonia in two DOT-4AA 480 specification cylinders aboard a cargo-only aircraft. This special permit provides no relief from any regulation other than as specifically stated herein.	5
14381	Authorizes the manufacture, mark, sale and use of an existing inventory of approximately 438,000 DOT-specification 2P inner metal containers that were inadvertently marked 2Q in addition to the 2P marking.	2
14382	Authorizes the transportation in commerce of certain DOT Specification 3BN nickel cylinders containing either tungsten hexafluoride and hydrogen fluoride that are used interchangeably without requalifying the cylinder.	2
14383	Authorizes the one-time, one-way transportation in commerce of a Class 7 used reactor pressure vessel in alternative packaging by motor vehicle and rail.	3

Table B.1. Active Special Permits

ID	Summary	Code
14384	Authorizes the transportation in commerce of Propylene in DOT 3AA or 3AL specification cylinders utilizing an unbacked pressure relief device.	2
14387	Authorizes 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.	2
14388	Authorizes the transportation in commerce of certain desensitized explosives in a non-DOT specification 40 cubic yard metal roll-off box by motor vehicle.	2
14389	Authorizes the one-way transportation in commerce of the NEXTSat satellite containing a non-DOT specification pressure vessel and a lithium ion battery by motor vehicle.	5
14390	Authorizes the transportation of certain Division 1.1D and 1.1J explosives which are forbidden for shipment by cargo-only aircraft.	5
14391	Authorizes the one-time, one-way transportation in commerce by motor vehicle of Sodium hydrosulfite in intermediate bulk containers that have been damaged by fire.	4
14392	Authorizes the transportation in commerce of explosives by vessel in an alternative stowage configuration.	5
14395	Authorizes 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.	2
14396	Authorizes 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.	5
14400	Authorizes the transportation in commerce of Air, compressed in a non-DOT specification high pressure compressor system.	2
14404	Authorizes the emergency transportation in commerce of a tank that at one time conformed to the MC-312 specifications, but due to sub-standard modifications made to the overturn protection and to the rear end protection to allow for the addition of piping and valves, it may no longer be in compliance with DOT specifications.	4
14405	Authorizes the transportation in commerce of certain Class 3 hazardous materials in a truck-mounted meter prover without draining to 10% capacity.	2
14407	Authorizes the manufacture, marking, sale and use of a non-DOT specification cylinder to be used for the transportation in commerce of certain Division 2.2 materials.	2
14411	Authorizes the transportation in commerce of gasoline nozzles (fueling components) containing the residue of gasoline.	1
14412	Authorizes the emergency transportation in commerce of a pipeline pipe specimen containing a Class 3 hazardous material by motor vehicle.	4
14414	Authorizes 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.	3
14415	Emergency special permit request to authorize the transportation of gas and liquid fueled Prometheus lighters in special travel containers in checked luggage in commercial passenger aircraft.	5
14416	Authorizes the transportation in commerce of the Advance Flight Telescope (AFT) Payload containing ICC 3A and DOT 3AA specification cylinders containing nitrogen without pressure relief devices.	5

Table B.1. Active Special Permits

ID	Summary	Code
14418	Authorizes 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.	4
14421	Authorizes the transportation in commerce of Nitric acid other than red fuming with 20% or less nitric acid as small quantities under the provision of 49 CFR 173.4.	5
14431	Authorizes the transportation in commerce of ethylene dibromide in alternative packaging.	5
14435	Authorizes the one-time, one-way transportation of Bromine in a DOT Specification IM101 portable tank that is not filled between 88 and 92% of capacity.	4
14450	Authorizes additional time for retrofitting IBCs to meet the valving requirements of DOT-SP 12412 which authorizes the unloading of IBCs without removal of the transport vehicle.	2

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Appendix C – Report on Regulation of Methamphetamine Byproducts in Transportation

This Appendix satisfies requirements under USC Title 49 Section 5103, to provide the Committee on Transportation and Infrastructure of the House of Representatives and the Senate Committee on Commerce, Science, and Transportation on whether the Secretary has designated as hazardous materials for purposes of chapter 51 of such title all by-products of the methamphetamine-production process.

Materials that pose an unreasonable risk to health and safety or property when transported in commerce are designated as hazardous materials through the Department’s Hazardous Materials Regulations (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 the Environmental Protection Agency’s regulations. Based on the information available to us, we believe all hazardous by-products of methamphetamine production are regulated as hazardous materials under the HMR.

A list of all identified byproducts of the methamphetamine-production process appears in Table C.1 through C5..

TABLE C. Properties and Health Effects Associated with Chemicals Commonly Found at Clandestine Drug Laboratory Sites.

TABLE C-1. Cyanides

Substance	Form	Exposure
Sodium Cyanide	Solid	Skin, Eyes, Ingestion
Potassium Cyanide	Solid	Skin, Eyes, Ingestion
Benzyl Cyanide	Liquid	Skin, Eyes, Inhalation, Ingestion
Hydrogen Cyanide	Gas, Liquid	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:

Highly toxic substances. 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 C-2. Irritants and Corrosives

Substance	Form	Exposure
Acetic Acid ^a	Liquid	Skin, Eyes, Inhalation
Liquid	Skin, Eyes, Inhalation	

TABLE C-2. Irritants and Corrosives

Substance	Form	Exposure
Acetyl Chloride	Liquid	Skin, Eyes, Inhalation
Ammonia (anhydrous)	Gas	Skin, Eyes, Inhalation
Ammonium Hydroxide	Liquid	Skin, Eyes, Inhalation
Benzyl Chloride ^a	Liquid	Skin, Eyes, Inhalation
Dimethylsulfate	Liquid	Skin, Eyes, Inhalation
Formaldehyde	Gas, Liquid	Skin, Eyes, Inhalation
Formic Acid	Liquid	Skin, Eyes, Inhalation
Hydrogen Chloride/Hydrochloric Acid	Gas, Liquid	Skin, Eyes, Inhalation
Hydrobromic Acid	Liquid	Skin, Eyes, Inhalation
Hydriodic Acid	Liquid	Skin, Eyes, Inhalation
Hydroxylamine ^{a,b}	Liquid, Solid	Skin, Eyes, Inhalation
Methylamine ^a	Gas, Liquid, Solid	Skin, Eyes, Inhalation
Methylene Chloride ^a (dichloromethane, methylene dichloride)	Liquid	Skin, Eyes, Inhalation
Methyl Methacrylate	Liquid	Skin, Eyes, Inhalation
Nitroethane ^{a,b}	Liquid	Skin, Eyes, Inhalation
Oxalylchloride ^b	Liquid	Skin, Eyes, Inhalation
Perchloric Acid ^c	Liquid	Skin, Eyes, Inhalation
Phenylmagnesium Bromide ^{a,b}	Liquid	Skin, Eyes, Inhalation
Phosphine ^a	Gas	Eyes, Inhalation
Phosphorous Oxychloride	Solid	Skin, Eyes, Inhalation
Phosphorous Pentoxide	Solid	Skin, Eyes
Sodium Amide (Sodamide) ^b	Solid	Skin, Eyes, Inhalation
Sodium Metal ^{a,b}	Solid	Skin, Eyes
Sodium Hydroxide	Liquid, Solid	Skin, Eyes
Sulfur Trioxide	Liquid, Solid	Skin, Eyes, Inhalation
Sulfuric Acid ^f	Liquid	Skin, Eyes, Inhalation

TABLE C-2. Irritants and Corrosives

Substance	Form	Exposure
Tetrahydrofuran ^{a,b}	Liquid	Skin, Eyes, Inhalation
Thionyl Chloride	Liquid	Skin, Eyes, Inhalation

* Refer to 40 CFR 261.33 for a detailed listing.

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.

a Flammable c Flashpoint <141 degrees F e >50% but ≤ 72% strength
 b Explosive d Uninhibited f Unspent

TABLE C-3. Solvents

Substance	Form	Exposure
Acetone ^a	Liquid	Skin, Eyes, Inhalation
Acetonitrile ^a	Liquid	Skin, Eyes, Inhalation
Aniline	Liquid	Skin, Eyes, Inhalation
Benzene ^a	Liquid	Skin, Eyes, Inhalation
Benzylchloride ^a	Liquid	Skin, Eyes, Inhalation
Carbon Tetrachloride	Liquid	Skin, Eyes, Inhalation
Chloroform	Liquid	Skin, Eyes, Inhalation
Cyclohexanone ^{a,d}	Liquid	Skin, Eyes, Inhalation
Dioxane ^a	Liquid	Skin, Eyes, Inhalation
Ethanol ^a	Liquid	Skin, Eyes, Inhalation
Ethyl Acetate ^a	Liquid	Skin, Eyes, Inhalation
Ethyl Ether ^{b,c}	Liquid	Skin, Eyes, Inhalation
Freon 11 (trichloromonofluoromethane)	Liquid	Skin, Eyes, Inhalation
Hexane ^a	Liquid	Skin, Eyes, Inhalation
Isopropanol ^a	Liquid	Skin, Eyes, Inhalation
Methanol ^a	Liquid	Skin, Eyes, Inhalation

TABLE C-3. Solvents

Substance	Form	Exposure
Methylene Chloride (dichloromethane, methylene dichloride)	Liquid	Skin, Eyes, Inhalation
Petroleum Ether ^a	Liquid	Skin, Eyes, Inhalation
Pyridine ^a	Liquid	Skin, Eyes, Inhalation
Toluene ^a	Liquid	Skin, Eyes, Inhalation
o-Toluidine ^{a,b}	Liquid	Skin, Eyes, Inhalation

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

Health Effects:

Inhalation of vapors at low concentrations may result in mild eye, nose and throat irritation. Symptoms of intoxication (drowsiness and incoordination) 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.

a Flammable

c Ethers may form explosive peroxides

b Explosive

d ≤50% peroxide

TABLE C-4. Metals/Salts

Substance	Form	Exposure
Aluminum Chloride	Solid	Skin, Eyes
Magnesium ^{a,d}	Solid	Skin, Eyes
Palladium	Solid	Skin, Eyes
Red Phosphorus ^b	Solid	Skin, Eyes
Iodine	Solid	Skin, Eyes
Mercuric Chloride	Solid	Skin, Eyes
Lead Acetate	Solid	Skin, Eyes
Lithium Aluminum Hydride ^{a,b}	Solid	Skin, Eyes
Lithium Hydroxide	Solid	Skin, Eyes
Potassium Hydroxide	Solid	Skin, Eyes
Raney Nickel ^{a,b}	Solid	Skin, Eyes
Sodium Hydroxide	Solid	Skin, Eyes

TABLE C-4. Metals/Salts

Substance	Form	Exposure
Sodium Metal ^{a,b}	Solid in kerosene	Skin, Eyes
Potassium Metal ^{a,b}	Solid in kerosene	Skin, Eyes
Thorium Salts ^c	Solid	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).

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.

a Flammable

c Radioactive

b Explosive

d Magnesium metal (powder, pellets, turnings on ribbon)

TABLE C-5. Miscellaneous

Substance	Form	Exposure	Health Hazard
Cyclohexanone	Liquid	Skin	Irritant
Fentanyl	Solid	Inhalation, Skin, Eyes	Narcotic drug product causing respiratory failure at extremely low doses (i.e., equivalent to a few grains of dust)
Hydrogen	Gas	Inhalation	Flammable, Explosive
Lysergic Acid Diethylamide	Powder	Ingestion, Inhalation	Hallucination at extremely low doses
MPTP, MPPP ^a	Solids	Inhalation, Skin	By-product or intermediates of alphaprodine laboratories. (<i>Extremely low doses may cause irreversible Parkinson's disease.</i>)
Methylfentanyl	Solid	Inhalation, Skin, Eyes	See "Fentanyl"
Phenylacetic Acid	Solid	Skin, Eyes	Irritant

TABLE C-5. Miscellaneous

Substance	Form	Exposure	Health Hazard
Phenyl-2-Propanone (phenylacetone)	Liquid	Skin, Inhalation	Irritant; few toxicity data available
Piperidine	Liquid	Skin, Inhalation	Irritant; few toxicity data available

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