

April 8, 2009



U.S. Department
of Transportation

East Building, PHH - 30
1200 New Jersey Avenue, Southeast
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 8013
(NINTH REVISION)

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: (See individual authorization letter)
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of those Division 2.1, 2.2 and 2.3 gases described in paragraph 6 below in DOT Specification 4E cylinders. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
 - b. The safety analyses performed in development of this special permit only considered the hazards and risks associated with transportation in commerce.
 - c. Unless otherwise stated herein, this special permit consists of the special permit authorization letter issued to the grantee together with this document.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.302a and 173.304a in that the use of a DOT 4E specification cylinder is not authorized, except as specified herein.
5. BASIS: This special permit is based on the Pipeline and Hazardous Materials Safety Administration's (PHMSA) editorial review under § 107.121 initiated on December 4, 2008.

April 8, 20096. HAZARDOUS MATERIALS (49 CFR § 172.101):

| Hazardous Materials Description | | | |
|--|------------------------------|------------------------------|----------------------|
| Proper Shipping Name | Hazard Class/Division | Identification Number | Packing Group |
| Air, compressed | 2.2 | UN1002 | N/A |
| Argon, compressed | 2.2 | UN1006 | N/A |
| Carbon Monoxide, compressed | 2.3 | UN1016 | N/A |
| Carbon dioxide | 2.2 | UN1013 | N/A |
| Compressed gases, n.o.s. | 2.2 | UN1956 | N/A |
| Compressed gases, flammable, n.o.s. | 2.1 | UN1954 | N/A |
| Helium, compressed | 2.2 | UN1046 | N/A |
| Hydrogen, compressed | 2.1 | UN1049 | N/A |
| Krypton, compressed | 2.2 | UN1056 | N/A |
| Methane, compressed | 2.1 | UN1971 | N/A |
| Neon compressed | 2.2 | UN1065 | N/A |
| Nitrogen, compressed | 2.2 | UN1066 | N/A |
| Nitrous oxide | 2.2 | UN1070 | N/A |
| Oxygen, compressed | 2.2 | UN1072 | N/A |
| Sulfur hexafluoride | 2.2 | UN1080 | N/A |
| Xenon, compressed | 2.2 | UN2036 | N/A |

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packaging is a DOT Specification 4E240 cylinder with a maximum capacity of 2642 cubic inches to be used exclusively for sampling purposes and transported only from plants or customers facilities to laboratories.

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b. OPERATIONAL CONTROLS -

- (1) Each cylinder must be marked by decal or stencil "DOT-SP 8013" in letters at least 1/4 inch high.
- (2) Filling pressure is limited to 200 psig at 70°F.
- (3) Carbon dioxide, nitrous oxide and sulfur hexafluoride must be charged into the cylinder in their non-liquefied states.
- (4) Cylinders authorized in this special permit charged with oxygen must conform to the requirements of § 173.302(a) and (b).

8. SPECIAL PROVISIONS:

a. Transportation of Division 2.1, (flammable gases) and Division 2.3 (gases which are toxic by inhalation) materials are not authorized aboard aircraft unless specifically authorized in the Hazardous Materials Table (§ 172.101).

b. Transportation of oxygen is only authorized when in accordance with § 175.501.

c. A person who is not a holder of this special permit who receives a package covered by this special permit may reoffer it for transportation provided no modification or change is made to the package and it is reoffered for transportation in conformance with this special permit and the HMR.

d. A current copy of this special permit must be maintained at each facility where the package is offered or reoffered for transportation.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle and cargo aircraft only.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each motor vehicle carrying Division 2.3 materials and aircraft used to transport packages covered by this special permit. The shipper must furnish a current copy of this special permit to the air carrier before or at the time the shipment is tendered.

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11. COMPLIANCE: Failure by a person to comply with any of the following may result in suspension or revocation of this special permit and penalties prescribed by the Federal hazardous materials transportation law, 49 U.S.C. 5101 et seq:

- o All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- o Persons operating under the terms of this special permit must comply with the security plan requirement in Subpart I of Part 172 of the HMR, when applicable.
- o Registration required by § 107.601 et seq., when applicable.

Each "Hazmat employee", as defined in § 171.8, who performs a function subject to this special permit must receive training on the requirements and conditions of this special permit in addition to the training required by §§ 172.700 through 172.704.

No person may use or apply this special permit, including display of its number, when this special permit has expired or is otherwise no longer in effect.

Under Title VII of the Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users (SAFETEA-LU) - 'The Hazardous Materials Safety and Security Reauthorization Act of 2005' (Pub. L. 109-59), 119 Stat. 1144 (August 10, 2005), amended the Federal hazardous materials transportation law by changing the term "exemption" to "special permit" and authorizes a special permit to be granted up to two years for new special permits and up to four years for renewals.

12. REPORTING REQUIREMENTS: Shipments or operations conducted under this special permit are subject to the Hazardous Materials Incident Reporting requirements specified in 49 CFR §§ 171.15 - Immediate notice of certain hazardous materials incidents, and 171.16 - Detailed hazardous materials incident reports. In addition, the grantee(s) of

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this special permit must notify the Associate Administrator for Hazardous Materials Safety, in writing, of any incident involving a package, shipment or operation conducted under terms of this special permit.

Issued in Washington, D.C.:



for Theodore L. Willke
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

Copies of this special permit may be obtained by accessing the Hazardous Materials Safety Homepage at http://hazmat.dot.gov/sp_app/special_permits/spec_perm_index.htm Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: MMT/sln