

June 8, 2007



U.S. Department
of Transportation

400 Seventh Street, S.W.
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 13167
(THIRD REVISION)

(FOR RENEWAL, SEE 49 § 107.109)

1. GRANTEE: (See individual authorization letter)
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of cylinders authorized under DOT-SP 11725 which contain anhydrous ammonia and are installed in a device as part of an environmental conditioning system. This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
 - b. The safety analyses performed in development of this special permit only considered the hazard 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 § 173.301(f) in that the non-DOT specification containers are not fitted with pressure relief devices; and §§ 173.302a and 173.304a in that a non-DOT specification packaging is not authorized, except as specified herein.
5. BASIS: This special permit is based on the application of ITT Industries Space Systems, LLC, dated January 19, 2007, submitted in accordance with § 107.105 and public proceeding thereon.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Materials Description		
Proper Shipping Name	Hazard Class/ Division	Identification Number
Ammonia, anhydrous*	2.2/2.3	UN1005

*Division 2.3 for international transportation; Division 2.2 as an alternate when only domestic transportation is involved.

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packagings are non-DOT specification containers authorized under DOT-SP 11725 which are removed from their outer packaging (e.g., UN 4C or UN 4D wood box) and installed in a device as part of an environmental conditioning system. Up to twelve non-DOT specification containers may be installed in each device.

(1) Each device must be securely packaged in specially formed crates which include a clear polyethylene or nylon air tight cover over the external packaging. Litmus paper must be placed between the crate and the air tight cover so as to be visible from the outside to detect any possible leak of gas from the containers during transportation. The cover must be kept from direct contact with the device to prevent static charge possibilities, or

(2) If method (1) above is impracticable due to the size of the device (i.e. requiring a special crate that may exceed 20' L x 10' W x 8' H), the non-DOT specification containers and associated equipment must be sealed within an inner and outer (double) air tight package. Litmus paper must be placed in the space between the inner and outer packaging adjacent to a vapor bridge installed on the inner air tight packaging. The litmus paper must be visible through the outer air tight package and the exterior of the special crate to detect leakage during transportation without opening the crate. The sealed device must then be securely packaged in a specially formed crate.

b. OPERATIONAL CONTROLS:

(1) Each non-DOT specification container may not contain more than 2.5 pounds of anhydrous ammonia.

(2) Emergency response information provided with the shipment and available via an emergency response telephone number must indicate that the receptacles are not fitted with pressure relief devices and provide appropriate guidance in case receptacles are exposed to fire.

(3) Transportation must be shipped by exclusive use motor vehicle.

8. SPECIAL PROVISIONS:

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

b. MARKING:

(1) The outer packaging must be plainly and durably marked on two opposite sides on a contrasting background, "DOT-SP 13167" as specified in § 172.301(c).

(2) Each non-DOT specification container must be marked with the design pressure and pneumatic test pressure.

c. Packagings permanently marked "DOT-E 13167", prior to October 1, 2007 may continue to be used under this special permit for the remaining service life of the packaging or until the special permit is no longer valid. Packagings marked on or after October 1, 2007 must be marked "DOT-SP 13167".

d. Shipping papers displaying "DOT-E 13167" may continue to be used until October 1, 2007, provided the special permit remains valid.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.

10. MODAL REQUIREMENTS: None as a requirement of this special permit.

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

June 8, 2007

materials incident reports. In addition, the grantee(s) of 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.:

A handwritten signature in blue ink, appearing to read "Deborah F. Bilby".

for Bob Richard
Deputy Associate Administrator
for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Materials Safety Administration, Department of Transportation, Washington, D.C. 20590. Attention: PHH-31.

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: DBurger