U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

DOT-E 9174 (EXTENSION)
ORIGINAL February 16, 1984

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 9174 is hereby extended for the party(ies) listed below by changing the expiration date in paragraph 10 to May 31, 1998. This change is effective from the issue date of this extension. All other terms of the exemption remain unchanged.

This extension applies only to party(ies) listed below based on the application(s) received in accordance with 49 CFR 107.105. This extension constitutes a necessary part of this exemption and must be attached to it.

for Marilyn J. Morris
Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

JUN 18 1996
(DATE)

Dist: FHWA

EXEMPTION HOLDER	APPLICATION DATE
National Aeronautics & Space Administration (NASA) Washington, DC	April 15, 1996

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DOT-E 9174

1. National Aeronautics and Space Administration (NASA), Washington, D.C., is hereby granted an exemption from those provisions of this Department's Hazardous Materials Regulations specified in paragraph 5 below to transport packages prescribed herein of nonflammble, nonliquefied gases for transportation in commerce subject to the limitations and special requirements specified herein. This exemption authorizes the use of non-DOT specification pressure vessels, and provides no relief from any regulation other than as specifically stated. Each of the following is hereby granted the status of a party to this exemption:

McDonnell Douglas Corporation, St. Louis, Missouri - PTE-1.

2. BASIS. This exemption is based on NASA's application dated November 28, 1983, submitted in accordance with 49 CFR 107.103 and the public proceeding thereon. The granting of party status is based on the following application submitted in accordance with 49 CFR 107.111 and the public proceeding thereon:

McDonnell Douglas Corporation's application dated December 22, 1983.

3. HAZARDOUS MATERIALS (Descriptor and class). Helium and nitrogen classed as nonflammable gases.

4. PROPER SHIPPING NAME (49 CFR 172.101). Helium, nitrogen.

5. REGULATION AFFECTED. 49 CFR 173.302(a).

6. MODES OF TRANSPORTATION AUTHORIZED. Motor vehicle.

7. SAFETY CONTROL MEASURES. Packagings prescribed are non-DOT specification cylindrical and spherical pressure vessels which are an integral part of the Space Shuttle Auxiliary Propulsion System (APS) pods. Pressure vessels must be designed and constructed in accordance with Rockwell International Specifications MC282-0061, MC282-0082, and MC621-009, and McDonnell Douglas Corporation Specification 73P550013 on file with the Office of Hazardous Materials Regulation (OHMR). Maximum pressure in any component of the APS pods during transportation must not exceed 100 psig.

8. SPECIAL PROVISIONS.

a. A copy of this exemption must be carried aboard each motor vehicle used to transport packages covered by this exemption.

b. Drivers must have been instructed as to necessary safeguards and proper procedure in the event of unusual delay, fire, or accident.

c. Each APS pod must be shipped in the cradle assembly and cover enclosure detailed in McDonnell Douglas Corporation drawings 73D010005 and 73D011031 on file with the OHMR.

d. The requirements of Appendix B to 49 CFR Part 107 with respect to marking the outside package with the exemption number is waived, if the right side of the vehicle's cargo carrying body, near the front, is marked instead.

9. REPORTING REQUIREMENTS. Any incident involving loss of contents of the package must be reported to the OHMR as soon as practicable.

10. EXPIRATION DATE. December 31, 1985.

Issued at Washington, D.C.:

FEB 16 1984

(DATE)

Alan I. Roberts
Associate Director for
Hazardous Materials Regulation
Materials Transportation Bureau

Address all inquiries to: Associate Director for Hazardous Materials Regulation, Materials Transportation Bureau, Research and Special Programs Administration, U.S. Department of Transportation, Washington, D.C. 20590. Attention: Exemptions Branch.

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