U.S. Department of Transportation
Research and Special Programs Administration

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

DOT-E 9312 (EXTENSION)
ORIGINAL January 17, 1985

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 9312 is hereby extended for the party(ies) listed below by changing the expiration date in paragraph 10 to September 30, 1994. 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.

MAR 31 1993
(DATE)

Alan I. Roberts
Associate Administrator
for Hazardous Materials Safety

Dist: FHWA

EXEMPTION HOLDER	APPLICATION DATE
National Aeronautics & Space Administration (NASA) Washington, DC	December 31, 1993

U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

DOT-E 9312

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 offer packages prescribed herein of Class C explosives, flammable liquids, poisons, and nonflammable compressed gases for transportation in commerce subject to the limitations and special requirements specified herein. This exemption authorizes the shipment of Space Shuttle Orbiters which contain small quantities of explosives, flammable liquids and poisons, and nonflammable gases in non-DOT specification pressure vessels.

2. BASIS. This exemption is based on NASA's application dated August 1, 1984, and supplemental information dated November 20, 1984, submitted in accordance with 49 CFR 107.103 and the public proceeding thereon.

3. HAZARDOUS MATERIALS (Descriptor and class). Helium, freon and nitrogen, classed as nonflammable gas; Explosive power devices, Electric Squibs and Detonating fuzes classed as Class C explosives. Monomethyl hydrazine (residue amounts), classed as flammable liquid and poison B; Nitrogen tetroxide (residue amounts), classed as poison A.

4. PROPER SHIPPING NAME (49 CFR 172.101). None (for orbiter as a unit).

5. REGULATION AFFECTED. The provisions of 49 CFR Parts 170-179 are not applicable except as specified in paragraphs 7 and 8 of this exemption.

6. MODES OF TRANSPORTATION AUTHORIZED. Motor vehicle.

7. SAFETY CONTOL MEASURES.

a. Packagings prescribed for the helium, monomethyl hydrazine and nitrogen tetroxide are non-DOT specification pressure vessels which are an intergral part of the Space Shuttle Orbiter. Pressure vessels must be designed and constructed in accordance with the specifications given in Appendices A and B submitted with the application dated August 1, 1984.

b. All Class C explosive devices will be made safe prior to transportation by the specific means described on page 2, paragraph 3 of the application dated August 1, 1984.

c. Each shipment must be accompanied by NASA personnel who are qualified to deal with any emergency that may arise during transportation.

8. SPECIAL PROVISIONS.

a. Transportation of the Space Shuttle Orbiter is authorized between Edwards Air Force Base, California and the Rockwell International Corporation's Palmdale Facility, California. The Space Shuttle Orbiter must be transported according to Rockwell International Corporation's specifications outlined in SD 77-SH-0018F on file with OHMR.

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

c. The requirements of Appendix B to 49 CFR Part 107 with respect to marking the outside package with the exemption number is waived.

9. REPORTING REQUIREMENTS. Any incident involving loss of contents of the package must be reported to the Office of Hazardous Materials Regulation as soon as practicable.

10. EXPIRATION DATE. December 18, 1986.

Issued at Washington, D.C.

JAN 17 1986
(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.

Dist: FHWA.