U.S. Department
of Transportation

**Research and
Special Programs
Administration**

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

DOT-E 8651 (EXTENSION)
ORIGINAL August 4, 1981

In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 8651 is hereby extended by changing the expiration date in paragraph 10 from June 30, 1987 to June 30, 1989.

This extension applies only to party(s) listed below based on the application(s) received in accordance with 49 CFR 107.105. All other terms of the exemption remain unchanged. This extension forms part of the exemption and must be attached to it.

Alan I. Roberts
Director
Office of Hazardous Materials
Transportation

SEP 2 1987
(DATE)

Dist: FHWA

EXEMPTION HOLDER	APPLICATION DATE
Rockwell International Corporation Canoga Park, CA	July 2, 1987

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In accordance with 49 CFR 107.105 of the Department of Transportation (DOT) Hazardous Materials Regulations DOT-E 8651 is hereby extended by changing the expiration date in paragraph 10 from June 30, 1985 to June 30, 1987.

This extension applies only to party(s) listed below based on the application(s) received in accordance with 49 CFR 107.105. All other terms of the exemption remain unchanged. This extension forms part of the exemption and must be attached to it.

J. Suzanne Hedgepeth

for Alan I. Roberts
Director
Office of Hazardous Materials
Transportation

MAY 15 1986
(DATE)

Dist: FHWA

EXEMPTION HOLDER	APPLICATION DATE
Rockwell International Corporation Canoga Park, CA	February 14, 1986

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DOT-E 8651

1. Rockwell International, Rocketdyne Division, Canoga Park, California, 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 the hazardous materials described in paragraph 3 below for transportation in commerce subject to the limitations and special requirements specified herein. This exemption authorizes the use of non DOT specification packagings fabricated in accordance with ASME Code, and provides no relief from any regulation other than as specifically stated.

2. BASIS. This exemption is based on Rockwell International, Rocketdyne Division's application dated April 10, 1981 submitted in accordance with 49 CFR 107.103 and the public proceeding thereon.

3. HAZARDOUS MATERIALS (Descriptor and class). Waste nitrogen tetroxide, waste methylhydrazine, and nitrogen; classed as Poison A, flammable liquid or nonflammable gas, as appropriate.

4. PROPER SHIPPING NAME (49 CFR 172.101). Poison liquid, n.o.s., flammable liquid, n.o.s., or nitrogen as appropriate.

5. REGULATION AFFECTED. 49 CFR 173.119, 173.302(a), 173.336(a), 173.328(a).

6. MODES OF TRANSPORTATION AUTHORIZED. Motor vehicle.

7. SAFETY CONTROL MEASURES: The packagings prescribed are non DOT specification packagings permanently mounted within an enclosure on a mobile chassis. The mobile unit described as a detank unit, consists of 3 compressed gas cylinders and 7 stainless steel tanks and its accompanying fluid transfer lines and instrumentation. Only the 4 tanks designated T-2, T-3, T-4 and T-5 are to contain hazardous materials. Cylinders and tanks must be designed and constructed in accordance with Rockwell drawings RG003423 and RG003759 and described as follows:

a. Cylinders to be of seamless steel construction having 3500 PSIG design pressure and a minimum burst pressure of 14000 PSIG.

b. Tanks to be of welded stainless steel construction and as shown below:

Tank Type	Description diameter x length x thickness (in inches)	To Contain
T-2	19 x 36 x .250	Nitrogen Tetroxide
T-3	28 x 49 x .375	" "
T-4	12 x 25 x .250	Methylhydrazine
T-5	28 x 49 x .375	"

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 tank must be reinspected and retested once every 5 years in accordance with 49 CFR 173.32 as prescribed for DOT Specification 51 portable tanks.

d. Each detank unit must be plainly marked on the right side near the front, in letters at least two inches high on a contrasting background, "DOT-E 8651".

e. Detanking must be performed by response team escort personnel as outlined in the application.

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. June 30, 1983.

Issued at Washington, D.C.:

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

AUG 4 - 1981
(DATE)

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.