

July 14, 2006



U.S. Department
of Transportation

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

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 8060
(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 certain nonflammable and flammable, liquefied gases in non-DOT specification IMO 5 portable tanks. 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 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 § 173.315(a) in that non-DOT specification IMO 5 portable tanks are not authorized, except as specified herein.
5. BASIS: This special permit is based on the application of Arbel-Fauvet-Rail dated April 23, 2004, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Proper Shipping Name/ Hazardous Materials Description	Hazard Class/ Division	Identi- fication Number	Packing Group
Chlorodifluoromethane, <i>or</i> refrigerant gas R 22	2.2	UN1018	N/A
Chloropentafluoroethane, <i>or</i> refrigerant gas R 115	2.2	UN1020	N/A
Chlorodifluoromethane and chloropentafluoroethane mixture <i>or</i> refrigerant gas R 502 <i>with</i> <i>fixed boiling point with,</i> <i>approximately 49 percent</i> <i>Chlorodifluoromethane</i>	2.2	UN1973	N/A
Chlorodifluorobromomethane, <i>or</i> refrigerant gas R 12B1	2.2	UN1974	N/A
1-Chloro-1, 1-difluoroethanes, <i>or</i> refrigerant gas R 142b	2.1	UN2517	N/A
Dichlorodifluoromethane, <i>or</i> refrigerant gas R 12	2.2	UN1028	N/A
1,1,1,2-Tetrafluoroethane, <i>or</i> refrigerant gas R 134a	2.2	UN3159	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Prescribed packaging is a non-DOT specification portable tank, mounted in an ISO frame, designed and constructed in accordance with Fauvet-Rail drawing CO165607 Revision zero dated May 18, 1978, technical specifications and calculations on file with the Office of Hazardous Materials Special Permits and Approvals (OHMSPA), and in compliance with the following:

- (1) Code--Complies with ASME Section VIII except not certified.
- (2) Insulation - None.
- (3) Water Capacity (U.S. Gallons) - 4,240.

- (4) Material - Carbon Manganese steel.
Minimum tensile strength 82,380 psi.
(similar to ASME SA 537 Grade A)
- (5) Tank Size (inches) -
$$\frac{\text{(outside dia.) X (length) X (thickness)}}{78.7 \quad 225 \quad .650}$$

Head Thickness - .710
Weld Joint Efficiency - 100% full radiography of
all pressure welds. Tank is stress relieved after
welding.
- (6) Design Pressure (PSIG) - 338.
Note: Design pressure means "maximum allowable
working pressure (MAWP)" as used in the ASME Code:
- (7) Test Pressure, Minimum (PSIG) - 507.
- (8) Openings - One 18-inch manhole top.
One 6-inch end opening, for inspection.
Two 4-inch bottom outlets with quick closing
valves.
- (9) Tank surface area (square feet) - 410.
- (10) Pressure Relief Devices - Two 2 1/2-inch spring
loaded set to relieve at 338 psi and having total
combined venting capacity of 1,108,500 SCFH.
- (11) G-Loadings: Vertical down 2; Vertical up 1;
Longitudinal 2; and Transverse 1.
- (12) Maximum Gross Weight - 52,910 pounds.
- (13) Each internal shut off valve must be provided with
remote control means of closure both mechanical
and thermal. Fusible elements: not have a melting
point exceeding 250°F.

b. TESTING - Each tank must be (i) visually inspected prior
to each trip to insure that it has not been damaged on the
previous trip; and (ii) be retested and reinspected in
accordance with the provisions of § 180.605 except the use
of an approval agency is not required.

8. SPECIAL PROVISIONS:

a. 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 or its contents and it is reoffered for transportation in conformance with this special permit and the HMR.

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

c. Each portable tank must be plainly marked on both sides near the middle, in letters at least two inches high on a contrasting background, "DOT-SP 8060."

d. Hydrostatic test certificates for each tank must be maintained by the owner or manufacturer at its principal business office and be made available to any representative of the DOT upon request.

e. No product may be shipped that has venting requirements exceeding 1,108,500 SCFH. The venting capacity required for each product must be determined by the flow formulas contained in Compressed Gas Association (CGA) pamphlet S-1.2.

f. A test report documenting a satisfactory ISO prototype frame test for this tank design must be on file with the OHMEA prior to the first shipment.

g. The tank must be filled in accordance with the provisions of § 173.315.

h. Portable tanks may not be transported in container-on-flat car (COFC) or trailer-on-flat car (TOFC) service except under conditions approved by the Associate Administrator for Safety, Federal Railroad Administration.

i. Transportation of Division 2.1 (flammable gases) materials are not authorized aboard cargo vessel unless specifically authorized in the Hazardous Materials Table (§ 172.101).

j. Packagings permanently marked 'DOT-E 8060', prior to October 1, 2007, may continue to be used under this special

July 14, 2006

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 8060'.

k. Shipping papers displaying 'DOT-E 8060' may continue to be used until October 1, 2007, provided the special permit remains valid.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight and cargo vessel.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel and motor vehicle used to transport packages covered by 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 the 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

July 14, 2006

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:

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

b. The grantee of this special permit, as identified in paragraph 1 above, must contact OHMSPA immediately after any of the tanks covered by this special permit are sold to another party.

c. Shippers who ship under the terms of this special permit shall report any incident involving loss of contents or tank failure to the Associate Administrator for Hazardous Materials Safety as soon as practicable.

Issued in Washington, D.C.:



for Robert A. McGuire
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/special_permits Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.