

May 21, 2021



U.S. Department
of Transportation

East Building, PHH-30
1200 New Jersey Avenue S.E.
Washington, D.C. 20590

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 14318
(TENTH 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 Division 2.3, Division 3, Division 6.1 and Class 8 materials in a non-DOT Specification portable tank conforming to the requirements specified in § 172.102(c)(7) PORTABLE TANK CODE T50 (UN portable tank) which are designed, constructed, certified and stamped in accordance with Section VIII, Division 1 of the ASME Code (2007 edition). This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein. The most recent revision supersedes all previous revisions.
 - b. The safety analyses performed in the development of this special permit only considered the hazards and risks associated with the transportation in commerce. The safety analyses did not consider the hazards and risks associated with use as a component of a transport vehicle or other device, or other uses not 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.

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4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 178.274(b), 178.275(a) and 178.276(b)(1) in that tanks designed, constructed, certified and stamped in accordance with Section VIII, Division 1 of the ASME Code (2007 edition with the latest Addenda) are not authorized except as specified herein, and § 180.605(d) in that the internal examination has been waived.
5. BASIS: This special permit is based on the application of Lockheed Martin Corporation dated November 21, 2019, submitted in accordance with § 107.109 and additional information dated May 12, 2020 and April 1, 2021.
6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/Division	Identification Number	Packing Group
Dinitrogen tetroxide	2.3	UN1067	Hazard Zone A
Dimethylhydrazine, Unsymmetrical (UDMH)	6.1	UN1163	I, Hazard Zone B
Hydrazine, anhydrous	8	UN2029	I
Methylhydrazine (MMH)	6.1	UN1244	I, Hazard Zone A
Nitric acid, red fuming	8	UN2032	I
Fuel, aviation, turbine engine	3	UN1863	I
Petroleum Distillates	3	UN1268	I

NOTE: The provisions of 49 CFR 172.101, Column (9B) apply to air shipments made under the terms of this special permit

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7. SAFETY CONTROL MEASURES:

a. PACKAGING: Packaging prescribed is a non-DOT Specification portable tank conforming to the requirements of § 172.102(c)(7) PORTABLE TANK CODE T50 (UN portable tank) which are designed, constructed, certified and stamped in accordance with Section VIII, Division 1 of the ASME Code (2007 edition). Each tank is fabricated of 316L stainless steel and is approximately 54.5 inches in diameter and 83 inches in length. The tank assembly must conform to Columbiana Boiler Company's drawing number 121605, dated January 9, 2006, other drawing, specifications and calculations submitted with and forming a part of the application and on file with the Office of Hazardous Materials General Approvals and Permits.

b. TESTING

(1) Each tank must be requalified as specified in § 180.605(c)(1) for UN portable tanks.

(2) Hydrostatic test certificates for each tank must be maintained by the owner and made available upon request to any representative of DOT.

(3) Each tank used in dedicated red fuming nitric acid service must be subjected to wall thickness measurement using an ultrasonic examination (UE) according to the following:

(i) The UE must be performed before the first loading and repeated annually.

(ii) The examination must be performed at the bottom of the tank within the cylindrical sector, symmetric about the centerline and bounded by the saddles, that is 24 inches in length and approximately 10 square feet in area.

(iii) A minimum of two UE thickness measurements must be taken per square foot.

(iv) Local UE measurements that are less than the minimum design wall thickness must be evaluated according to the accept/reject flaw dimensions provided in the Mandatory Appendix 32 (titled "Local Thin Areas in Cylindrical Shells and in

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Spherical Segments of Shells") in Section VIII, Division 1 of the ASME Code.

(v) The test data must be recorded and maintained as part of the permanent record for the life of the tank, and shall be provided in the copy of the Special Permit accompanying each shipment of red fuming nitric acid.

(4) Each tank must be subjected to a leakage test every 2.5 years in lieu of the internal examination in accordance with the procedures described in § 180.605(h).

(5) Repair or alteration of any tank shall be performed by a repair facility holding a valid National Board Certificate of Authorization for use of the National Board "R" stamp and must be made in accordance with the edition of the National Board Inspection Code in effect at the time the work is performed.

c. OPERATIONAL CONTROLS:

(1) Each portable tank must be in dedicated commodity service.

(2) The maximum pressure must not exceed 65 psig during transportation.

(3) Each tank must be individually transported within in a dedicated enclosed metal sided truck. An enclosed metal sided box van or truck with fixed or roll-up metal sides is acceptable.

(4) A vehicle escort, staged with equipment and personnel to control a manageable release of commodity, must accompany the shipment of tanks containing greater than 80 US Gallons of dinitrogen tetroxide (UN1067) or Red Fuming Nitric Acid (UN2032). The use of predetermined travel routes, prepared through coordination with local emergency responders, is required in lieu of a vehicle escort for tanks transporting MMH (UN1244), Hydrazine (UN2029) and UDMH (UN1163) and for tanks containing less than 80 US Gallons of dinitrogen tetroxide or Red Fuming Nitric Acid.

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- (5) Each portable tank must be filled by weight.
- (6) Each tank must be visually inspected prior to shipment to ensure that it has not been damaged during loading.
- (7) The results of the leakage test shall be kept on file for the life of the tank at the grantee's main facility and available for inspection upon request.
- (8) A metal tag shall be affixed to the tank identifying the date of the leakage test, due date of the next leakage test and work authorizing document that performed the last test. The tag shall be stamped using a numbered quality inspection stamp.

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 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. Portable tanks are only authorized for support of government satellite and target launch processing.
- d. Each portable tank must be plainly and durably marked on both sides near the middle, in letters and numerals at least two inches high on a contrasting background, "DOT-SP 14318".
- e. The cargo aircraft mode is only authorized for the transport of anhydrous hydrazine.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, cargo aircraft only, and cargo vessel.

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10. MODAL REQUIREMENTS: A current copy of this exemption must be carried aboard each cargo vessel, aircraft or motor vehicle used to transport packages covered by this exemption. The shipper must furnish a current copy of this exemption to the air carrier before or at the time the shipment is tendered.
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.

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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 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.:



for William Schoonover
Associate Administrator for Hazardous Materials Safety

Address all inquiries to: Associate Administrator for Hazardous Materials Safety, Pipeline and Hazardous Material Safety Administration, U.S. Department of Transportation, East Building PHH-30, 1200 New Jersey Avenue, Southeast, Washington, D.C. 20590.

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: BrMoore/TG/kah