

April 16, 2007



U.S. Department
of Transportation

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

**Pipeline and Hazardous
Materials Safety Administration**

DOT-SP 3549
(FIFTEENTH 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 not more than 250 grams (0.55 pounds) of certain "forbidden" dry explosive materials classed as Division 1.1 explosives in the special packaging prescribed herein. 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 §§ 172.101 and 173.54(j) in that the explosive substances covered in this special permit, when shipped without a wetting or desensitizing agent, are "forbidden", except as specified herein; §§ 173.56(b) and 173.57(a) in that the explosive substances covered in this special permit are required to be approved and tested in accordance with the UN explosive tests to determine if these substances are "forbidden", except as specified herein.
5. BASIS: This special permit is based on the application of DOE dated June 21, 2005, submitted in accordance with § 107.109.

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Substances, explosive, n.o.s. (Cyclotetramethylene tetranitramine-dry)	1.1D	UN0475	II
Substances, explosive, n.o.s. (Cyclotrimethylenetrinitramine-dry)	1.1D	UN0475	II
Substances, explosive, n.o.s. (Pentaerythrite tetranitrate-dry)	1.1A	UN0473	II

7. SAFETY CONTROL MEASURES:

The following packaging method is assigned:

Inner Packaging: Bags, static-shielding plastic, not less than 0.004 inches thick, double-sealed with a metal strip tie and waterproof plastic tape, each containing not more than 250 grams (0.55 pounds) of "forbidden" dry explosive substance. A desiccant container and a moisture indicator may be included inside the bag with the dry explosive substance.

1st Intermediate Packaging: Bag, plastic not less than 0.0085 inches thick, sealed with a metal strip tie and waterproof plastic tape; or container, plastic, not less than 0.033 inches thick with a threaded plastic cap sealed with waterproof plastic tape, each containing one inner packaging.

2nd Intermediate Packaging: Drum, coated or plastic-lined steel with sealing lid, each containing one "1st intermediate packaging" with the void space in the drum filled with water or a

April 16, 2007

non-freezing water-alcohol mixture so that the drum is not completely liquid full at a temperature of 55 degrees Centigrade (131 degrees Fahrenheit) or less.

3rd Intermediate Packaging: Drum, steel with sealing lid, each containing one "2nd intermediate packaging" which is sufficiently cushioned with foamed plastic padding or sheeting to prevent movement during transport.

Outer Packaging: Specification 4D plywood box, each containing one "3rd intermediate packaging" and sufficiently cushioned with non-combustible cushioning material to prevent movement during transport.

8. SPECIAL PROVISIONS:

a. This special permit is only authorized for US Government purposes.

b. The outer packaging must be legibly and durably marked with the special permit number, "DOT-SP 3549".

c. Packagings permanently marked 'DOT-E 3549', prior to October 1, 2007 may continue to be used under this special 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 3549'.

d. Shipping papers displaying 'DOT-E 3549' 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 Department of Energy contract cargo aircraft only.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each motor vehicle and Department of Energy contract cargo aircraft only. The shipper must furnish a current copy of this special permit 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 the 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 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: 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

April 16, 2007

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.:

A handwritten signature in blue ink that reads "Aiane LaValle". The signature is written in a cursive style and is positioned above a light gray rectangular box.

for Bob Richard
Deputy 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/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: sln