



U.S. Department  
of Transportation

**Pipeline and Hazardous  
Materials Safety  
Administration**

**April 18, 2025**

1200 New Jersey Avenue, SE  
Washington, DC 20590

DOT-SP 21759  
(THIRD REVISION)

**EXPIRATION DATE: 2028-12-31**

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Department of Defense US Army Military Surface Deployment & Distribution Command and contractors operating under their direction  
Scott AFB, IL
2. PURPOSE AND LIMITATIONS:
  - a. This special permit authorizes the transportation in commerce of certain cesium devices in the packaging specified in paragraph 7.a. 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.
  - c. No party status will be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 172.101 Hazardous Materials Table Column (9A) in that hazardous materials may be transported aboard passenger-carrying aircraft; §§ 172.400(a) and 172.500(a) in that labeling and placarding requirements are waived; and § 173.211(a) in that the packaging is authorized, as provided herein.
5. BASIS: This special permit is based on the application of Department of Defense US Army Military Surface Deployment & Distribution Command dated August 30, 2024, submitted in accordance with § 107.109 and additional information dated January 15, 2025.

Tracking Number: 2025014801

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Cesium <i>or</i> Caesium	4.3	UN1407	I

7. SAFETY CONTROL MEASURES:

a. PACKAGING: Prescribed packagings are cesium devices described as the following: cesium beam tubes, cesium beam frequency standards, and primary frequency standards.

(1) The cesium beam tube consists of an inner nickel cylinder enclosed within an outer stainless steel, welded, hermetically sealed cylinder as described in the application for special permit DOT-SP 11401. The outer cylinder is under a vacuum, and the inner cylinder contains a maximum of 9 grams of cesium.

(2) The cesium beam frequency standard and the primary frequency standard consist of a cesium beam tube assembled with electronic equipment.

b. OPERATIONAL CONTROLS:

(1) Transportation is only authorized for governmental purposes.

(2) Each shipment may not contain more than 5 cesium devices at a time.

(3) Each cesium beam tube shipped separately must be transported in a fiberboard box.

(4) After October 31, 2024, a passenger-carrying air carrier who is offered hazardous materials for transportation under the terms of this special permit must be a party to a special permit or be granted a special permit authorizing such transportation.

c. MARKING: The outside of each package must be marked DOT-SP 21759 in accordance with § 172.301(c).

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 offered 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. Shipments of packages covered by this special permit are exempt from labeling and placarding requirements. Each shipment must be offered for transportation as cargo and is not authorized in the passenger cabin.

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, cargo vessel, passenger-carrying aircraft, and cargo aircraft.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel and aircraft used to transport packages covered by this special permit. The shipper must furnish a 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.

In addition to the training required by §§ 172.700 through 172.704, 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.

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.

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.:

A handwritten signature in blue ink, appearing to read "W. Schoonover", is written over a light blue circular stamp.

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-13, 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 <https://www.phmsa.dot.gov/approvals-and-permits/hazmat/special-permits-search>. Photo reproductions and legible reductions of this special permit are permitted. Any alteration of this special permit is prohibited.

PO: KH