



U.S. Department  
of Transportation

**Pipeline and Hazardous  
Materials Safety  
Administration**

**May 12, 2025**

1200 New Jersey Avenue, SE  
Washington, DC 20590

DOT-SP 21955

**EXPIRATION DATE: 2027-04-30**

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: United States Department of Energy  
Washington, DC
2. PURPOSE AND LIMITATION:
  - a. This special permit authorizes the transportation in commerce of articles containing sodium in certain non-DOT specification non-bulk packagings. 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. 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 Part 172 Subpart D in that the Mk-IIIR Loop are not required to be individually marked; § 173.211 in that non-DOT specification packaging are not authorized, except as specified herein.
5. BASIS: This special permit is based on the application of United States Dept of Energy, dated March 04, 2025, submitted in accordance with § 107.105 and the public proceeding thereon.

Tracking Number: 2025034153

6. HAZARDOUS MATERIALS (49 CFR 172.101):

| Hazardous Materials Description |                        |                       |               |
|---------------------------------|------------------------|-----------------------|---------------|
| Proper Shipping Name            | Hazard Class/ Division | Identification Number | Packing Group |
| Sodium                          | 4.3                    | UN1428                | I             |

7. SAFETY CONTROL MEASURES:

a. PACKAGING: Prescribed packagings are non-DOT specification packagings identified as a Mk-IIIR Sodium Loop which is designed, fabricated, tested, and inspected to the ASME Boiler & Pressure Vessel Code Section III, 2021, as described in the United States Department of Energy's Application dated March 4, 2025, and on file with the Office of Hazardous Materials Safety (OHMS). The Mk-IIIR Loop must have a design operating pressure of 4,000 psig. Each Mk-IIIR Loop must not contain more than 10 pounds of sodium metal.

b. OPERATIONAL CONTROLS:

(1) Under the direction and supervision of the grantee, Batelle Energy Alliance, LLC must package, prepare, and offer the hazardous materials under the terms of this special permit.

(2) During transportation, the Mk-IIIR Loop will be secured in a Rotation Rack Shipping Assembly and further loaded into a freight container conforming to ISO 1496-1, as described in the United States Department of Energy's Application dated March 4, 2025, and on file with OHMS.

(3) No more than two (2) Mk-IIIR Loops are authorized in a single shipment.

c. MARKING AND LABELING:

(1) Required markings and placards need only be applied to the outside of the freight container prescribed in paragraph 7.b.(2).

(2) Each freight container must be marked "DOT-SP 21955".

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

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each 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 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 faint 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: Andrew Eckenrode