



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

May 12, 2022

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 14782
(FIFTH REVISION)

EXPIRATION DATE: 2026-04-30

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Southern States, LLC
Atlanta, GA

2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of sulfur hexafluoride in a non-DOT specification pressure vessel which is a component of an electric utility circuit interrupter unit. This special permit provides no relief from the Hazardous Materials Regulations (HMR) or the International Maritime Dangerous Goods (IMDG) Code 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 device not associated with transportation in commerce.

 - c. No party status will be granted to this special permit.

 - d. This special permit serves as an “Approval” under Chapter 4.1, Section 4.1.3.7 and Chapter 7.9, Section 7.9.2 of the IMDG Code, and as a “Competent Authority Approval” as defined in 49 CFR 107.1.

3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180 and the IMDG Code.

4. REGULATIONS FROM WHICH EXEMPTED: The marking requirements of 49 CFR § 172.301(c) and § 173.304a in that a non-DOT specification packaging is not authorized, except as provided herein.

Tracking Number: 2022034661

5. BASIS: This special permit is based on the application of Southern States, LLC dated March 18, 2022 submitted in accordance with § 107.109.
6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Sulfur hexafluoride	2.2	UN1080	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING: Packagings prescribed are non-DOT specification pressure vessels as described in the application on file with the Office of Hazardous Materials Special (OHMS). The maximum charge pressure may not exceed 86 psig. Each pressure vessel must have a design burst pressure of 7 times the charge pressure at 70 °F. Each pressure vessel must be fitted with a pressure relief device conforming to Southern States drawing A01980851 on file with the OHMS. The pressure relief device must be set to relieve at 150 psig. Each pressure vessel must contain no more than 6 pounds of sulfur hexafluoride. Each pressure vessel must be as follows:

(1) A non-DOT specification pressure vessel made of porcelain and conforming to Southern States drawings 10125913, 10125914, and 10125915 on file with the OHM. Each porcelain vessel must be packaged in a strong outside packaging for shipment in accordance with Southern States drawing 01761244 and as follows:

(i) Steel casing (1/16 inch) if part of a pre-assembled electrical interrupter;

(ii) Steel casing (1/16 inch) with wood and styrofoam cradles, packaged within a 3/8 inch plywood metal strapped crate for stand alone replacement units.

(2) A non-DOT specification pressure vessel made of spirally-wound fiberglass tubes covered with silicone rubber. Each pressure vessel must conform with Southern States drawings 10125919, 10125920, 10125935, 10125940, 10125941, and 10125942, on file with the OHMS. When not shipped as a part of a circuit interrupter unit, each fiberglass vessel must be packaged in a strong

outside packaging as specified in § 173.301(a)(9).

b. TESTING: Before being charged with sulfur hexafluoride gas--

(1) Each porcelain pressure vessel must successfully pass a hydrostatic pressure test. Each vessel must be pressurized to a minimum of 450 psig and held for five minutes, without measurement of expansion.

(2) Each fiberglass pressure vessel must successfully pass a hydrostatic pressure test. Each vessel must be pressurized to a minimum of 300 psig and held for five minutes, without measurement of expansion.

(3) Each pressure vessel must be leak tested with a halogen leak detector before shipment. No pressure vessel with evidence of leakage may be shipped.

(4) Periodic re-testing 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 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 the principal place of business of each re-shipper and at each facility where the package is offered or reoffered for transportation.

c. Marking of each pressure vessel with the special permit number is not required; however, the outside packaging must meet the marking and labeling requirements of 49 CFR Part 172, Subparts D and E.

9. MODES OF TRANSPORTATION AUTHORIZED: Modes as authorized under the HMR for sulfur hexafluoride.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel, aircraft or motor vehicle 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.

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.:



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: CWF/TG