

April 02, 2020



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 20620
(FIRST REVISION)

EXPIRATION DATE: 2024-03-31

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Southern States, LLC
Hampton, GA
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the manufacture, mark, sale, and use of non-DOT specification pressure vessels containing compressed sulfur hexafluoride. The pressure vessels are described as epoxy interrupter housings used in the electrical utility industry. 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. In accordance with 49 CFR 107.107(a), party status may not be granted to a manufacturing permit. These packagings may be used in accordance with 49 CFR 173.22a.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR 172.301(c) in that marking the special permit number on the package is required and § 173.304(a) in that non-specification packaging is not authorized, except as specified herein.

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5. BASIS: This special permit is based on the application of Southern States, LLC dated March 25, 2020, 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: Prescribed packagings are cycloalipatic epoxy non-DOT specification pressure vessels used in the electrical utility industry as described in the application on file with the Office of Hazardous Materials Safety Approvals and Permits Division (OHMSAPD). The maximum charge pressure must not exceed 65 psig. Each pressure vessel must have a design pressure at least four times the charge pressure at 70 °F. Each pressure vessel must be equipped with a pressure relief device designed to relieve the pressure prior to the burst of the pressure vessel. The pressure relief device must be set to relieve pressure at least three times the charge pressure, but no less than 200 psig. Each pressure vessel must conform to Southern States, LLC's drawings 10125966, Rev. 3 and 10125970, Rev. 3, on file with OHMSAPD. Each pressure vessel must contain no more than 0.5 pounds of sulfur hexafluoride.

b. OPERATIONAL CONTROLS: Each epoxy vessel must be packaged in a strong outside packaging for shipment as follows:

(1) Each device contains no more than three interrupter units mounted on a double-extruded aluminum channel mounted to rigid aluminum casting end plates.

(2) The end plates must be bolted to steel c-channel feet which are bolted to a 4'x4' pallet frame to prevent movement.

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(3) The interrupters are individually double-wrapped in a polypropylene mesh and wrapped with reinforced tape.

(4) A crate constructed of 5/8" plywood must be constructed around the pallet frame, completely enclosing the unit.

c. TESTING: Before being charged with sulfur hexafluoride gas:

(1) Each pressure vessel must successfully pass a hydrostatic pressure test. Each vessel must be pressurized to a minimum of 150 psig and held for five minutes, without measurement of expansion.

(2) Each pressure vessel must be pressurized to the maximum charge pressure, bagged, and held for a minimum of six hours, and then leak tested prior to shipment. No pressure vessel with evidence of leakage may be shipped.

(3) Periodic re-testing is not required.

8. SPECIAL PROVISIONS:

a. In accordance with the provisions of Paragraph (b) of § 173.22a, persons may use the packaging authorized by this special permit for the transportation of the hazardous materials specified in paragraph 6, only in conformance with the terms of this special permit.

b. A person who is not a holder of this special permit, but 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.

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

d. Each packaging manufactured under the authority of this special permit must be either (1) marked with the name of the manufacturer and location (city and state) of the facility at which it is manufactured or (2) marked with a

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registration symbol designated by the Office of Hazardous Materials Safety Approvals and Permits Division for a specific manufacturing facility.

e. A current copy of this special permit must be maintained at each facility where the packaging is manufactured under this special permit. It must be made available to a DOT representative upon request

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, cargo vessel, rail freight, and cargo-only aircraft.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel, aircraft, and 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.

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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-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: BenM/NICKS