January 02, 2025

U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 21812

EXPIRATION DATE: 2026-11-30

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: PolyPetroChem, LLC
Beaumont, TX

2. PURPOSE AND LIMITATIONS:

a. This special permit authorizes the manufacture, mark, sale, and use of manway assemblies constructed from stabilized polyethylene for installation on certain DOT specification cargo tank motor vehicles used in transporting certain hazardous materials. 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 development of this special permit only considered the hazards and risks associated with transportation in commerce. The safety analyses did not consider the hazards and risks associated with consumer use, use as a component of a transport vehicle or other device, or other uses not associated with transportation in commerce.

c. In accordance with 49 CFR 107.107(a), party status may not be granted to a manufacturing special 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 § 172.203(a) in that the special permit number is not required to be marked on shipping papers; § 178.345-1 in that the polyethylene plastic manhole assemblies are not manufactured in accordance with the ASME Code; and § 180.413 in that the use of polyethylene plastic manhole assemblies to replace the existing manhole assemblies on certain DOT specification cargo tank motor vehicles are not considered to be a modification.

5. BASIS: This special permit is based on the application of PolyPetroChem, LLC dated July 19, 2024, submitted in accordance with § 107.105 and the public proceeding thereon and additional information dated November 18, 2024, and November 21, 2024.

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Material Description			
Proper Shipping Name	**Hazard Class/ Division**	**Identi-fication Number**	**Packing Group**
Class 8 materials authorized to be transported in a lined DOT 412 cargo tank motor vehicle	8	Various	I, II, or III
Class 8 liquid and solid waste materials/specific chemical name or generic description as appropriate	8	Various	I, II, or III
Class 3 liquid and solid waste materials/specific chemical name or generic description as appropriate	3	Various	I, II, or III
Class 6.1 liquid and solid waste materials/specific chemical name or generic description as appropriate	6.1	Various	I, II, or III
Class 9 liquid and solid waste materials/specific chemical name or generic description as appropriate	9	Various	III

7. SAFETY CONTROL MEASURES:

a. PACKAGING:

(1) The grantee of this special permit is authorized to manufacture, mark, sell, and use manway assemblies made of stabilized polyethylene plastic for installation on DOT Specification MC 307, 312, DOT 407, 412 cargo tank motor vehicles, or Fiber Reinforced Plastic Cargo Tank Trailers manufactured under special permits either as installations on new tanks or as replacements of manway assemblies on existing tanks.

(2) If a polyethylene manway is installed as a replacement on an existing DOT Specification MC 307, 312, DOT 407, 412 cargo tank, or Fiber Reinforced Plastic Tank Trailer manufactured under a special permit, no cutting or welding on the tank shell, heads, or manway nozzle flange is permitted. The new polyethylene manway cover or assembly must bolt directly to the original manway flange.

(3) The authorized manway assemblies conform to the design criteria in the applications on file with the Office of Hazardous Materials Safety and to the following drawings:

Drawing Number	Date	Title
PPC18TRL3MWY	06/28/2024	18” Trailer Manway W/3” Nozzle
PPC18TRL3MWY2	06/28/2024	18” Trailer Manway W/3” Nozzle
PPC18TRL3MWY3	06/28/2024	18” Trailer Manway W/3” Nozzle
PPC18TRL3MWY4	06/28/2024	18” Trailer Manway W/3” Nozzle
PPC20TRL3MWY	06/28/2024	20” Trailer Manway W/3” Nozzle
PPC20TRL3MWY3	06/28/2024	20” Trailer Manway W/3” Nozzle

b. TESTING:

(1) Following the installation of the polyethylene manway assembly on a DOT Specification 407, 412, or MC 307, 312 cargo tank motor vehicle, or Fiber Reinforced Plastic Tank Trailer authorized under a special permit, the tank must be pressure tested under the hydrostatic pressure test method procedure stated in §§ 180.407(g)(1)(viii) and 180.407(g)(6).

(2) Visual inspection shall be as required by § 180.407(d) and (e) and include manufacturer’s criteria for repair or replacement.

c. OPERATIONAL CONTROLS:

(1) The pressure test in paragraph 7.b. must be performed by persons qualified in conformance with § 180.409.

(2) Each manway manufactured under the authority of this special permit must be marked "DOT-SP 21812".

(3) Prior to replacing the manway, each cargo tank motor vehicle used to transport flammable or toxic lading must be cleaned of residue and purged of vapors so any potential hazard is removed.

(4) The compatibility of each commodity with respect to the cargo tank/manway assembly offered for transportation must be based on testing or compatibility information provided by the manufacturer. This information must be retained by the owner and manufacturer for as long as the cargo tank is in service.

(5) Prior to loading the cargo tank, the cargo tank owner is responsible for determining commodity compatibility.

(6) Shippers using cargo tanks authorized under the terms of this special permit must comply with the compatibility requirements of § 173.24(e).

(7) Manway inspections shall conform to the criteria and frequencies established by the manway manufacturer. A report of all tests and inspection results shall be maintained by the cargo tank owner while the cargo tank is in service.

(8) The manufacturer shall be notified of defects found as a result of inspections and authorize any repairs.

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 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.

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 registration symbol designated by the Office of Hazardous Materials Safety 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.

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:

- All terms and conditions prescribed in this special permit and the Hazardous Materials Regulations, 49 CFR Parts 171-180.
- 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.
- 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 Materials 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: Majors