1. GRANTEE: Trinity Industries, Inc.
   Dallas, TX

2. PURPOSE AND LIMITATIONS:
   a. This special permit authorizes the manufacture, mark, sale, and use of certain
      DOT specification 105J600W and DOT specification 105J600I tank cars equipped with a
      welded protective housing for the transportation in commerce of Division 4.2 and
      Division 4.3 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.


4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 179.100-12(c) in that
   alternative packaging is authorized.

5. BASIS: This special permit is based on the application of Trinity Industries, Inc. dated
   November 29, 2022, submitted in accordance with § 107.105 and the public proceeding
   thereon.

Tracking Number: 2022124055
6. **HAZARDOUS MATERIALS (49 CFR 172.101):**

<table>
<thead>
<tr>
<th>Hazardous Material Description</th>
<th>Hazard Class/Division</th>
<th>Identification Number</th>
<th>Packing Group</th>
</tr>
</thead>
<tbody>
<tr>
<td>Organometallic substance, liquid, pyrophoric</td>
<td>4.2</td>
<td>UN3392</td>
<td>I</td>
</tr>
<tr>
<td>Organometallic substance, liquid, pyrophoric, water-reactive</td>
<td>4.2</td>
<td>UN3394</td>
<td>I</td>
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<tr>
<td>Organometallic substance, liquid, water-reactive</td>
<td>4.3</td>
<td>UN3398</td>
<td>I</td>
</tr>
<tr>
<td>Organometallic substance, liquid, water-reactive, flammable</td>
<td>4.3</td>
<td>UN3399</td>
<td>I</td>
</tr>
</tbody>
</table>

7. **SAFETY CONTROL MEASURES:**

   a. **PACKAGING:**

   (1) For tank cars built before March 16, 2009, packaging described is a DOT specification 105J600W constructed under certificate L096020A except that they are equipped with a welded protective housing in lieu of a bolted protective housing as specified in § 179.100-12(c).

   (2) For tank cars built on or after March 16, 2009, packaging described is a DOT specification 105J600I except that they are equipped with a welded protective housing instead of a bolted protective housing as specified in § 179.100-12(c).

   (3) The tank cars shell has a minimum thickness of 0.981-inch.

   (4) The tank cars heads have a minimum thickness of 1.136-inch thickness.

   (5) The tank cars have a nominal shell-full capacity of 18,063 water gallons.

   (6) The tank cars have full height head protection in compliance with § 179.16.
Continuation of DOT-SP 21483

April 24, 2023

(7) Gross weight on rail of tank cars operating under this special permit may not exceed 286,000 pounds GWR.

(8) New tank car construction with the welded protective housing is not authorized under terms of this special permit.

b. MARKING: The tank car shall be stenciled “DOT-SP 21483” in letters and materials at least 4” high in a contrasting color as required by § 179.22.

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 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.

f. The builder of the tank cars authorized under this special permit must develop a program of maintenance and qualification. Any such program must identify areas of inspection for fatigue, corrosion, wear, etc., have a “life cycle” maintenance plan, and be of demonstrable reliability and sensitivity. This program must identify inspection items, inspection methods, acceptance criteria, and inspection frequencies and must have written procedures that ensure that work performed on cars conforms to Federal Regulations. Persons seeking to operate cars built under this special permit must incorporate and acknowledge the owner’s program of maintenance and qualification in a written, signed document, which must be made available to a representative of the U.S. Department of Transportation upon request.
g. Any of the builder’s procedures developed in relation to the car approved by this special permit, whether for construction or subsequent modification or examination, must be open to a representative of the U.S. Department of Transportation upon request.

9. **MODES OF TRANSPORTATION AUTHORIZED**: Rail freight.

10. **MODAL REQUIREMENTS**: The grantee must notify the Federal Railroad Administration (FRA) of any unusual incident or incidents known to it that occur during the movement of cars built under this special permit. This includes adverse findings related to the welded protective housing during qualification. The FRA may be contacted at:

    Federal Railroad Administration  
    Hazardous Materials Division  
    1200 New Jersey Ave., SE  
    W35-331  
    Washington, DC 20590  
    ATTN: Mark Maday, Staff Director  
    Telephone: 202-493-0479; Fax: 202-493-6478  
    mark.maday@dot.gov

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.

“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


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