



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

June 10, 2024

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 6263
(SIXTEENTH REVISION)

EXPIRATION DATE: 2028-05-31

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Amtrol Inc.
West Warwick, RI
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of certain nonflammable gases in a non-DOT specification pressure vessel designed and constructed to the ASME Code. 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.
 - c. Party status will not be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR §§ 173.302a(a)(1) in that a non-DOT specification cylinder is not authorized and 173.306(g) in that the water pump system may not be charged to greater than 40 psig, except as specified herein.
5. BASIS: This special permit is based on the application of Amtrol Inc. dated May 2, 2024, and submitted in accordance with § 107.109.

Tracking Number: 2024054200

6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Air, compressed	2.2	UN1002	N/A
Nitrogen, compressed	2.2	UN1066	N/A
Compressed gas, n.o.s. (Air with up to 15% helium)	2.2	UN1956	N/A
Compressed gas, n.o.s. (Nitrogen with up to 5% Hydrogen)	2.2	UN1956	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING: Prescribed packagings are non-DOT specification, non-refillable, welded, cylindrical or spherical steel pressure vessels designed for a maximum allowable working pressure (MAWP) of 125, 150, 175, 250 or 300 psig. Each tank must be constructed in accordance with Section VIII, Division 1 of the ASME Code and be ASME Code “U” stamped. A design margin of 3.5:1 is authorized. In addition:

(1) Each pressure vessel must be pressure tested by either the hydrostatic method at 1.3 times the MAWP or by the pneumatic method at 1.1 times the MAWP in accordance with the requirements of the ASME Code.

(2) Safety relief devices are not required for shipment, when the pressure vessel is charged to a pressure of not exceeding 60 psig at 70F.

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 modifications or changes are 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 each facility where the package is offered or reoffered for transportation.

- c. The pressure vessels must be shipped in strong outside shipping container, crates, or on skids, designed to protect from damage any valves or projections from the tank under conditions normally incident to transportation.
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle and rail freight.
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 the 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 "William Schoonover", is written over a faint, light blue 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: KH



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

June 10, 2024

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 11592
(TWELFTH REVISION)

EXPIRATION DATE: 2028-05-31

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Amtrol International Inc.
West Warwick, RI
2. PURPOSE AND LIMITATIONS:
 - a. This special permit authorizes the manufacture, mark, sale and use of a non-DOT specification steel water pump system tank that exceeds the prescribed maximum outside diameter and wall stress used for the transportation in commerce of compressed air or nitrogen. 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.
 - 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 § 173.306(g) in that the water pump system may not be charged to greater than 40 psig, except as specified herein; § 173.306(g)(1) in that the outside diameter of each water pump system may not exceed 24 inches, except as specified herein; and

Tracking Number: 2024054076

§ 173.306(g)(3) in that the maximum wall stress at the prescribed pressure may not exceed 20,000 psi, except as specified herein.

5. BASIS: This special permit is based on the application of Amtrol International Inc. dated May 2, 2024, submitted in accordance with § 107.109.
6. HAZARDOUS MATERIALS (49 CFR § 172.101):

Hazardous Material Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Air, compressed	2.2	UN1002	N/A
Compressed gas, n.o.s. (air with up to 15% helium)	2.2	UN1956	N/A
Nitrogen, compressed	2.2	UN1066	N/A
Compressed gas, n.o.s. (nitrogen with up to 5% hydrogen)	2.2	UN1956	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING: Packaging prescribed is a water pump system tank constructed of ASTM 620 low carbon, aluminum killed, deep-drawn steel in accordance with AMTROL Inc. drawing nos. 147-144 Rev. B or 150-39 Rev. B; or constructed of ASTM A1008 Type DS, modified, cold rolled, aluminum killed drawing steel in accordance with AMTROL Inc. drawing nos. 102-001 Rev. K and 9406C240 Rev. C. Drawings must be on file with the Office of Hazardous Materials Safety Approvals and Permits Division (OHMS). Packagings must be in accordance with § 173.306(g) except as follows:

- (1) § 173.306(g)(1) – Applies except that the outside diameter may not exceed 26 inches.
- (2) § 173.306(g)(3) – For tanks less than or equal to 11 inches in diameter and manufactured in accordance with Drawing #'s 9406C240 Rev. C and 102-001, the

stress at the prescribed pressure must not exceed 38,000 psi; otherwise the stress at the prescribed pressure must not exceed 25,000 psi using the formula:

$$S = Pd/2t$$

Where:

S = wall stress in pounds per square inch;

P = prescribed pressure for the tank of at least 3 times charged pressure at 70°F or 100 psig, whichever is greater;

d = inside diameter in inches;

t = minimum wall thickness, in inches.

(3) § 173.306(g)(4) – The burst pressure must be at least 8 times the charge pressure at 70°F.

(4) § 173.306(g) – Applies except the compressed air may contain up to 15% compressed helium. Tanks less than or equal to 11 inches in diameter and manufactured in accordance with 9406C240 Rev. C and 102-001 Rev. K must not be charged over 70 psig. For tanks manufactured in accordance with drawings 147-144 Rev. B or 150-39 Rev. B the tank must not be charged to over 50 psig.

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 OHMS for a specific manufacturing facility.
- e. A current copy of this special permit must be maintained at each facility where the package is manufactured under this special permit. It must be made available to a DOT representative upon request.
- f. MARKING: Packages are exempt from marking and labeling requirements except that the name of contents must be marked on the outside packaging. In addition, each packaging manufactured under the authority of this special permit must be plainly and durably marked "DOT-SP 11592".
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, and cargo vessel.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel or 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.:



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: Casey Chambers



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety
Administration**

March 31, 2025

1200 New Jersey Avenue, SE
Washington, DC 20590

DOT-SP 21899

EXPIRATION DATE: 2026-10-31

(FOR RENEWAL, SEE 49 CFR 107.109)

1. GRANTEE: Amtrol Inc.
West Warwick, RI
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of non-DOT specification fully wrapped fiber-reinforced plastic composite pre-pressurized water tanks containing certain non-flammable, non-toxic gases. 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. No party status will be granted to this special permit.
3. REGULATORY SYSTEM AFFECTED: 49 CFR Parts 106, 107 and 171-180.
4. REGULATIONS FROM WHICH EXEMPTED: 49 CFR § 173.302(a)(1) in that the tank is a non-DOT specification packaging, 173.306(g)(1) in that the outside diameter exceeds 24 inches.
5. BASIS: This special permit is based on the application of Amtrol Inc. dated November 20, 2024, submitted in accordance with § 107.105 and the public proceeding thereon.

Tracking Number: 2024115109

6. HAZARDOUS MATERIALS (49 CFR 172.101):

Hazardous Materials Description			
Proper Shipping Name	Hazard Class/ Division	Identification Number	Packing Group
Air, compressed	2.2	UN1002	N/A
Nitrogen, compressed	2.2	UN1066	N/A
Compressed gas, n.o.s	2.2	UN1956	N/A

7. SAFETY CONTROL MEASURES:

a. PACKAGING: Packaging prescribed is a non-DOT specification fully wrapped fiber reinforced composite pre-pressurized water tank with a non-load carrying polypropylene liner as described in Amtrol application on file with the Office of Hazardous Materials Safety (OHMS). The tank is designed and constructed in accordance with ANSI ASSE 1099-2022/WSC-PST- 2000/2022 Pressurized Water Storage Tanks standard, on file with OHMS. The design safety factor (burst to maximum working pressure) must be at least five. The tank must have a maximum volume of 120 US gallons (455 L), a maximum outer diameter of 26 inches, a maximum working pressure of 125 psig, and a pre-charge (transportation pressure) of 40 psig. A pressure relief device is not required.

b. Tanks may be transported in accordance with the exceptions of § 173.306(g).

c. Tanks must be marked "DOT SP-21899".

d. Each tank must be over-packed in a strong outer packaging in conformance with § 173.301(h).

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 or its contents 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 each facility where the package is offered or reoffered for transportation.
9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, rail freight, and cargo vessel.
10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each cargo vessel, or 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 horizontal line.

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: AS/TG



U.S. Department
of Transportation

**Pipeline and Hazardous
Materials Safety Administration**

East Building, PHH – 25
1200 New Jersey Avenue, Southeast
Washington, D.C. 20590

January 24, 2025

Expiration Date: 01-24-2030

Mr. David Beretta III
Compliance & Regulatory Manager
AMTROL Inc.
1400 DIVISION RD
WEST WARWICK, RI 02893-2300 United States

Dear Mr. Beretta III:

In response to your request dated 2025-01-24, the Pipeline and Hazardous Materials Safety Administration (PHMSA) is re-issuing registration number **M1001** which is hereby assigned to AMTROL Inc., located at 1400 Division Road, West Warwick, RI. This symbol may be used in place of the packaging manufacturer or certifying company's name and address, as authorized under provisions of Part 178 of the Hazardous Materials Regulations (49 CFR Parts 171-180).

In accordance with 49 CFR § 178.503, this symbol may be used to mark packagings manufactured and / or certified on behalf of the company identified in this letter and operating at the address referenced in this letter, or other authorized locations on file with PHMSA.

In addition to the marking of packagings under the provision of Section 178.503 of 49 CFR, the following conditions must be met:

1. For Packaging manufactured/certified at other locations than noted above, it is the responsibility of the approval holder to submit and maintain an up-to-date listing, which includes the point of contact and address of each location marked with an "M-Number" under the provisions of this approval. This listing must also be made available to PHMSA, upon request.
2. The approval holder must provide certification records to PHMSA about any packaging manufactured under this symbol including where that packaging was certified. The HMR requires packaging manufacturers to identify the need for design qualification testing for each new or different packaging, including when a packaging has varied in structural design, size, material of construction, and manner of construction. This includes variations that occur between separate facilities using the same symbol for certification. This approval provides no relief from those requirements.

3. This registration number authorizes the approval holder to mark packaging that is certified at multiple locations under one M Number registration number. The approval holder is responsible for maintaining records for each packaging manufactured under the M Number listed above, which includes the specific location where the packaging was certified.
4. You must notify this office of any changes in facility name, address, ownership, or management, within twenty days of the change, for any facility authorized under the conditions of this approval.
5. This registration is renewable every five (5) years. If you wish to renew this registration, please ensure that your application for renewal is received by PHMSA at least 60 days prior to the expiration date posted above, in accordance with CFR 107.705(c).
6. Renewal applications or enquiries should be sent to approvals@dot.gov or in accordance with 49 CFR Section 107.705.
7. This approval, as revised, supersedes all previous versions.

Sincerely,



for for William Schoonover
Associate Administrator for Hazardous Materials Safety

**UNITED STATES OF AMERICA
DEPARTMENT OF TRANSPORTATION
PIPELINE AND HAZARDOUS MATERIALS SAFETY ADMINISTRATION**



**HAZARDOUS MATERIALS
CERTIFICATE OF REGISTRATION
FOR REGISTRATION YEAR(S) 2025-2026**

Registrant: AMTROL INC
ATTN: Ellen Sweet
1400 DIVISION ROAD
W WARWICK, RI 02893

This certifies that the registrant is registered with the U.S. Department of Transportation as required by 49 CFR Part 107, Subpart G.

This certificate is issued under the authority of 49 U.S.C. 5108. It is unlawful to alter or falsify this document.

Reg. No: 060625550233H Effective: July 1, 2025 Expires: June 30, 2026

HM Company ID: 4997

Record Keeping Requirements for the Registration Program

The following must be maintained at the principal place of business for a period of three years from the date of issuance of this Certificate of Registration:

- (1) A copy of the registration statement filed with PHMSA; and
- (2) This Certificate of Registration

Each person subject to the registration requirement must furnish that person's Certificate of Registration (or a copy) and all other records and information pertaining to the information contained in the registration statement to an authorized representative or special agent of the U. S. Department of Transportation upon request.

Each motor carrier (private or for-hire) and each vessel operator subject to the registration requirement must keep a copy of the current Certificate of Registration or another document bearing the registration number identified as the "U.S. DOT Hazmat Reg. No." in each truck and truck tractor or vessel (trailers and semi-trailers not included) used to transport hazardous materials subject to the registration requirement. The Certificate of Registration or document bearing the registration number must be made available, upon request, to enforcement personnel.

For information, contact the Hazardous Materials Registration Manager, PHH-52, Pipeline and Hazardous Materials Safety Administration, U.S. Department of Transportation, 1200 New Jersey Avenue, SE, Washington, DC 20590, telephone (202) 366-4109.