

November 5, 2008



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 14700
(SECOND REVISION)

EXPIRATION DATE: September 30, 2010

(FOR RENEWAL, SEE 49 CFR § 107.109)

1. GRANTEE: Fleck Controls, LLC (formerly Pentair Water Treatment Company)
Chardon, OH
2. PURPOSE AND LIMITATION:
 - a. This special permit authorizes the transportation in commerce of certain fully wrapped fiber-reinforced composite cylinders containing compressed air under the exception provided for water pump system tanks under in § 173.306(g). This special permit provides no relief from the Hazardous Materials Regulations (HMR) other than as specifically stated herein.
 - 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 § 173.302a and 173.306(g) in that fully wrapped fiber-reinforced composite cylinders are not authorized, except as provided herein.

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5. BASIS: This special permit is based on the application of Pentair Water Treatment Company dated April 29, 2008 and additional information dated June 19, September 4, September 8, September 17, September 23, September 26, and September 29, 2008, submitted in accordance with § 107.105 and the public proceeding thereon and additional information dated October 29, 2008.

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

7. SAFETY CONTROL MEASURES:

a. PACKAGING - Packagings prescribed are non-DOT specification fully wrapped fiber reinforced composite gas cylinders with a non-load sharing high density polyethylene liner known commercially as pre-pressurized expansion tanks. The cylinders are produced under the Wellmate and CompTec brands. The cylinders are designed to NSF-ANSI 44-2004, titled "Residential cation exchange water softeners", and have a safety margin of 5:1. Additionally, the Wellmate brand cylinders are designed to meet the European Pressure Equipment Directive and the CompTec tanks are designed to Section X of the ASME Code but may or may not be ASME Code stamped. The Wellmate designs have outside diameters from 16 to 48 inches and the CompTec designs have outside diameters from 33 to 96 inches. The cylinder designs have capacities and maximum operating pressures as shown in the following table:

Tank	Capacity (liters)	Max. Operating Pressure (psig)
WM4	55	100
WM6	74	100
WM9	112	100
WM12	153	100
WM6LP	73	100
WM10LP	130	100
WM14WB	178	125
WM20WB	227	125
WM23	301	100
WM25WB	326	125
WM35WB	453	125
WM60	707	125
WM80	999	125
CPV15T	57	150
CPV20T	76	150
CPV30T	114	150
CPV40T	152	150
CPV47T	178	150
CPV62T	235	150
CPV87T	330	150
CPV119T	450	150
CPV160T	160	150
CPV185T	185	150
CPV245T	245	150
CPV120F	120	125
CPV185F	185	125
CPV245F	245	125
CPV340F	340	125
CPV460F	460	125

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and are as shown on the Fleck Controls drawings on file with the Office of Hazardous Materials Special Permits and Approvals (OHMSPA).

b. TESTING - Each cylinder must be pressurized to the maximum operating pressure and leak tested utilizing a helium trace gas detection system prior to shipment.

c. OPERATIONAL CONTROLS -

(1) The maximum pressure in each cylinder may not exceed 48 psig during transportation.

(2) Transportation is authorized from Fleck Controls and Fleck Controls Distributors in truckload or less than truckload quantities with no intermediate stops.

(3) Individual cylinders may not be transported more than 5 times under the terms of this special permit.

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.

c. The marking requirements of § 172.301(c) are waived.

d. Cylinders authorized under this special permit may be shipped under the conditions specified in § 173.306(g).

9. MODES OF TRANSPORTATION AUTHORIZED: Motor vehicle, cargo vessel, and rail freight.

10. MODAL REQUIREMENTS: A current copy of this special permit must be carried aboard each motor vehicle and cargo vessel used to transport packages covered by this special permit.

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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

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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 Theodore L. Willke
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: BMoore:dl