



SPECIAL PERMIT 992 REVISION NO. 9

This Special Permit is issued pursuant to the terms of Section 71.6(a) of the Canadian Transport Commission's "Regulations for the Transportation of Dangerous Commodities by Rail" to authorize shipments of Hydrogen, compressed under conditions prescribed herein, and does not relieve any shipper or carrier from compliance with any requirement of the Commission's Regulations, except as specifically stated.

1. BASIS

Letter dated July 23, 1987 Air Products Canada Ltd., 2090 Steeles Avenue Brampton, Ontario L6T 1A7.

2. COMMODITY CLASSIFICATION

Flammable gas 2.1.

3. COMMODITY NAME

Hydrogen, compressed.

4. IDENTIFICATION NUMBER

1049.

5. REGULATION AFFECTED

Section 73.302(c).

6. AUTHORIZED SHIPPER

Members of the Compressed Gas Association.

7. PACKAGING DESCRIPTION

CTC Specification 3A, 3AA, 3AX or 3AAX steel cylinders, not over 35 years old, under conditions prescribed in Section 73.302(c) of the Commission's Regulations and as follows:

- a) CTC Specification 3A and 3AX cylinders are limited to those having an intermediate manganese composition.
- b) Cylinders manufactured from intermediate manganese steel must have been normalized, not quenched and tempered. Quench and temper treatment of intermediate manganese steel is not authorized.
- c) Cylinders from chrome moly steel must have been quenched and tempered, not normalized. Use of normalized chrome moly cylinders is not permitted.

8. SPECIAL REQUIREMENTS

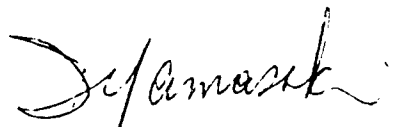
- a) Cylinders must be equipped with safety relief devices as follows:
- i) Cylinders under 65 inches long must be equipped with fusible metal backed frangible disc devices.
 - ii) Cylinders over 65 inches long and 9-5/8 inches in diameter or larger must be equipped with fusible metal backed frangible disc devices or frangible disc devices except cylinders having diameter of 22 inches or larger must be equipped with frangible disc devices.
- b) Each cylinder or manifolded group of cylinders must be conspicuously marked "CTC SP 992". Tube-trailers must have this marking displayed on the right side, near the front, in letters not less than 2 inches high on a contrasting background.

9. REPORTING REQUIREMENTS

The Director of Operation shall be advised of any incident involving loss of contents and shall be provided with a summary of experience before the expiration date of the Special Permit.

10. EXPIRY DATE

August 27, 1988.


Director of Operation
Railway Transport Committee

Issued at Hull, Quebec
this 27th day of August 1987

Address all inquiries to:

Director of Operation, RTC
Canadian Transport Commission
25 Eddy Street, 14th Floor
Hull, P.Q.
K1A 0N9



Office national
des transports
du Canada

National
Transportation
Agency of Canada

SPECIAL PERMIT 992, REVISION NO. 10


In accordance with Section 71.6(a) of the Regulations for the Transportation of Dangerous Commodities by Rail, Special Permit 992 is hereby extended by changing the following:

10. EXPIRY DATE

August 27, 1989.

This extension applies only to the party(s) listed below based on the application(s) dated July 15, 1988 in accordance with Section 71.6(b) (3) of the said Regulations. All other terms of the Special Permit remain unchanged. This extension forms part of the Special Permit and must be attached to it.

Party(s): Members of the Compressed Gas Association.


Director of Operation
Rail Safety Branch

Issued at Hull, Quebec
this 27th day of August, 1988

Address all inquiries to:

Director of Operation
Rail Safety Branch
Operatins Directorate
National Transportation Agency
Hull, Quebec
K1A 0N9

Canada