

the holder's records pertaining to inspections and verifications required by part 178 of this subchapter. In the case of inspection and testing facilities located outside the United States and records made available for inspection outside the United States, the holder shall bear the costs of inspection.

[Amdt. 173-97, 41 FR 18414, May 4, 1976, as amended by Amdt. 173-142, 45 FR 81572, Dec. 11, 1980; Amdt. 173-158, 47 FR 43065, Sept. 30, 1982; Amdt. 173-194 50 FR 46056, Nov. 6, 1985; Amdt. 173-223, 55 FR 39981, Oct. 1, 1990; Amdt. 173-224, 56 FR 66279, Dec. 20, 1991; Amdt. 173-256, 61 FR 51338, Oct. 1, 1996; 66 FR 45379, 45382, Aug. 28, 2001]

§ 173.300b Approval of non-domestic chemical analyses and tests.

(a) Any person who manufactures cylinders outside the United States may apply to the Department for approval to have the chemical analyses and tests of those cylinders required by part 178 of this subchapter performed outside the United States for the purpose of qualifying them for use in the transportation of hazardous materials to, from or within the United States.

(b) Each application filed under this section for approval to perform chemical analyses and tests of cylinders outside the United States must:

(1) Be submitted in writing to: Associate Administrator for Hazardous Materials Safety, U.S. Department of Transportation, Washington, DC 20590-0001;

(2) State the name, address, and telephone number of the applicant and the name, address and a description of each facility at which cylinders are to be manufactured and chemical analyses and tests are to be performed;

(3) If the applicant is not a resident of the United States, include a designation of a permanent resident of the United States as his agent for service of process in accordance with §107.7 of this title;

(4) Set forth complete details concerning the dimension, materials of construction, wall thickness, water capacity, shape, type of joints, location and size of openings and other pertinent physical characteristics of each specification cylinder for which approval is being requested, including calculations for cylinder wall stress and wall thickness which may be

shown on a drawing or on separate sheets attached to a descriptive drawing. If units of weights and measures are expressed in the metric system, they must also be stated in the English system equivalents; and

(5) Identify the independent inspection agency to be used.

(c) Upon the request of the Associate Administrator the applicant shall allow the Director to inspect the applicant's cylinder manufacturing and testing facilities and shall provide such materials and cylinders for analyses and tests as the Director may specify. The applicant shall bear the cost of the inspections, analyses, and tests.

(d) If, on the basis of the information submitted in the application and his own investigation, the Associate Administrator finds that the applicant has the proper manufacturing equipment and facilities and is otherwise capable of insuring the proper performance of the chemical analyses and tests required by part 178 of this subchapter for cylinders to be used in the transportation of hazardous materials, he issues an approval, subject to such terms and conditions as he considers necessary.

(e) An approval issued under this section is not transferable and is effective until surrendered or withdrawn or otherwise terminated by the Associate Administrator.

(f) The holder of an approval issued under this section shall notify the Associate Administrator within 20 days after the date there is any change in the information submitted in the application for the approval.

(g) Upon the request of the Associate Administrator the holder of an approval issued under this section shall allow the Director to inspect the holder's cylinder manufacturing and testing facilities, any cylinder manufactured under that approval, the holder's inspection and test records, and technical data files pertaining to any cylinder manufactured under that approval. In the case of facilities located outside the United States, or cylinders, records or files made available for inspection outside the United States, the

§ 173.300c

49 CFR Ch. I (10–1–01 Edition)

holder shall bear the costs of inspection.

[Amdt. 173–97, 41 FR 18415, May 4, 1976, as amended by Amdt. 173–142, 45 FR 81572, Dec. 11, 1980; Amdt. 173–158, 47 FR 43065, Sept. 30, 1982; Amdt. 173–223, 55 FR 39981, Oct. 1, 1990; Amdt. 173–224, 56 FR 66279, Dec. 20, 1991; 66 FR 45379, Aug. 28, 2001]

§ 173.300c Termination of approval.

(a) The Associate Administrator may terminate an approval issued under § 173.300a or § 173.300b of this subpart if he determines:

(1) That information upon which approval was based is fraudulent or substantially erroneous;

(2) That the holder has not complied with subchapter C of this chapter;

(3) That, in the case of an independent inspection agency, the agency or an employee thereof is or appears to be controlled or improperly influenced by cylinder manufacturing interests;

(4) That the holder is subject to an outstanding final judgment of a Federal court which concerns the enforcement of subchapter C of this chapter and which has not been satisfied within a reasonable period of time; or

(5) That continuation of the approval is not consistent with the requirements of transportation safety.

(b) The Associate Administrator, before he terminates an approval issued under § 173.300a or § 173.300b of this subpart, notifies the holder in writing of the reasons therefor and provides the holder an opportunity to show why the approval should not be terminated.

[Amdt. 173–97, 41 FR 18415, May 4, 1976, as amended by Amdt. 173–142, 45 FR 81572, Dec. 11, 1980; Amdt. 173–224, 56 FR 66279, Dec. 20, 1991; 66 FR 45379, Aug. 28, 2001]

§ 173.301 General requirements for shipment of compressed gases in cylinders and spherical pressure vessels.

(a) *Gases capable of combining chemically.* A cylinder charged with compressed gas must not contain gases or materials that are capable of combining chemically with each other or with the cylinder material so as to endanger its serviceability. See § 173.34(e)(17) regarding the requalification of a cylinder that previously contained a corrosive liquid.

(b) *Ownership of container.* A container charged with a compressed gas must not be shipped unless it was charged by or with the consent of the owner of the container.

(c) *Retest of container.* A container for which prescribed periodic retest has become due must not be charged and shipped until such retest has been properly made.

(d) *Manifolding containers in transportation.* No means of interconnecting such as manifolding of individual containers may be employed for the transportation of compressed gases, except as hereinafter authorized. Containers so manifolded shall be supported and held together as a unit by structurally adequate means. Safety relief devices on manifolded horizontal containers charged with flammable compressed gas shall be arranged to discharge upward and unobstructed to the open air in such a manner as to prevent any impingement of escaping gas upon the containers.

(1) Manifolding is authorized for containers of the following gases: argon, air, carbon dioxide, helium, neon, nitrogen, nitrous oxide, oxygen or sulfur hexafluoride provided that each container is individually equipped with pressure relief devices as required by § 173.34(d) or § 173.315(i).

(2) Manifolding is authorized for specification cylinders containing the following nonliquefied gases: boron trifluoride, carbon monoxide, ethylene, hydrogen, hydrocarbon gases, methane, nitrogen trifluoride, and tetrafluoroethylene, stabilized, except that aluminum cylinders are not authorized for boron trifluoride or nitrogen trifluoride service. Individual cylinders must be equipped with approved pressure relief devices as required by § 173.34(d) or § 173.315(i) of this part. Each cylinder must be equipped with an individual shutoff valve that must be tightly closed while in transit. Manifold branch lines of these individual shutoff valves must be sufficiently flexible to prevent damage to the valves which otherwise might result from the use of rigid branch lines. A temperature measuring device may be inserted in one cylinder of a manifold installation in place of the shutoff valve.