

§ 52.01–145 Manufacturers' data report forms (modifies PG–112 and PG–113).

The manufacturers' data report forms required by PG–112 and PG–113 of section I of the ASME Boiler and Pressure Vessel Code (incorporated by reference; see 46 CFR 52.01–1) must be made available to the marine inspector for review. The Authorized Inspector's National Board commission number must be included on the manufacturers' data report forms.

[CGD 81–79, 50 FR 9434, Mar. 8, 1985, as amended by USCG–2003–16630, 73 FR 65161, Oct. 31, 2008]

Subpart 52.05—Requirements for Boilers Fabricated by Welding**§ 52.05–1 General (modifies PW–1 through PW–54).**

(a) Boilers and component parts, including piping, that are fabricated by welding shall be as indicated in PW–1 through PW–54 of section I of the ASME Boiler and Pressure Vessel Code (incorporated by reference; see 46 CFR 52.01–1) except as noted otherwise in this subpart.

[CGFR 68–82, 33 FR 18815, Dec. 18, 1968, as amended by USCG–2003–16630, 73 FR 65162, Oct. 31, 2008]

§ 52.05–15 Heat treatment (modifies PW–10).

(a) Vessels and vessel parts shall be preheated and postweld heat treated in accordance with PW–38 and PW–39 of section I of the ASME Boiler and Pressure Vessel Code (incorporated by reference; see 46 CFR 52.01–1) (reproduces PW–10). This includes boiler parts made of pipe material even though they may be nondestructively examined under § 52.05–20.

[CGFR 68–82, 33 FR 18815, Dec. 18, 1968, as amended by USCG–2003–16630, 73 FR 65162, Oct. 31, 2008]

§ 52.05–20 Radiographic and ultrasonic examination (modifies PW–11 and PW–41.1).

Radiographic and ultrasonic examination of welded joints must be as described in PW–11 of section I of the ASME Boiler and Pressure Vessel Code (incorporated by reference; see 46 CFR

52.01–1), except that parts of boilers fabricated of pipe material such as drums, shells, downcomers, risers, cross pipes, headers, and tubes containing only circumferentially welded butt joints, must be nondestructively examined as required by § 56.95–10 of this subchapter even though they may be exempted by the limits on size specified in Table PW–11 and PW–41.1 of section I of the ASME Boiler and Pressure Vessel Code.

[USCG–2003–16630, 73 FR 65162, Oct. 31, 2008]

§ 52.05–30 Minimum requirements for attachment welds (modifies PW–16).

(a) The location and minimum size of attachment welds for nozzles and other connections shall be as required by PW–16 of section I of the ASME Boiler and Pressure Vessel Code (incorporated by reference; see 46 CFR 52.01–1) except as noted otherwise in this section.

(b) When nozzles or couplings are attached to boilers, as shown in Figure PW–16 (a) and (c) of section I of the ASME Boiler and Pressure Vessel Code and are welded from one side only, backing strips shall be used unless it can be determined visually or by acceptable nondestructive test methods that complete penetration has been obtained.

(c) When attachments as shown in Figure PW–16 (y) and (z) of section I of the ASME Boiler and Pressure Vessel Code are employed they shall be limited to 2-inch pipe size for pressure exceeding 150 pounds per square inch.

[CGFR 68–82, 33 FR 18815, Dec. 18, 1968, as amended by USCG–2003–16630, 73 FR 65161, Oct. 31, 2008]

§ 52.05–45 Circumferential joints in pipes, tubes and headers (modifies PW–41).

(a) Circumferential welded joints of pipes, tubes and headers shall be as required by PW–41 of section I of the ASME Boiler and Pressure Vessel Code (incorporated by reference; see 46 CFR 52.01–1) except as noted otherwise in this section.

(b) (*Modifies PW–41.1*) Circumferential welded joints in pipes, tubes, and headers of pipe material must be nondestructively examined as required by § 56.95–10 of this subchapter and PW–41

§ 52.15-1

of section I of the ASME Boiler and Pressure Vessel Code.

(c) (*Modifies PW-41.5*) Butt welded connections shall be provided whenever radiography is required by § 56.95-10 of this subchapter for the piping system in which the connection is to be made. When radiography is not required, welded socket or sleeve type joints meeting the requirements of PW-41.5 of section I of the ASME Boiler and Pressure Vessel Code may be provided.

[CGFR 68-82, 33 FR 18815, Dec. 18, 1968, as amended by CGD 81-79, 50 FR 9434, Mar. 8, 1985; USCG-2003-16630, 73 FR 65161, Oct. 31, 2008]

Subpart 52.15—Requirements for Watertube Boilers

§ 52.15-1 General (modifies PWT-1 through PWT-15).

Watertube boilers and parts thereof shall be as indicated in PWT-1 through PWT-15 of section I of the ASME Boiler and Pressure Vessel Code (incorporated by reference; see 46 CFR 52.01-1) except as noted otherwise in this subpart.

[CGD 81-79, 50 FR 9434, Mar. 8, 1985; USCG-2003-16630, 73 FR 65161, Oct. 31, 2008]

§ 52.15-5 Tube connections (modifies PWT-9 and PWT-11).

(a) Tubes, pipe and nipples shall be attached to sheets, heads, headers, and fittings as indicated in PWT-11 of section I of the ASME Boiler and Pressure Vessel Code (incorporated by reference; see 46 CFR 52.01-1) except as noted otherwise in this section.

(b) (*Replaces PWT-9.2 and PWT-11.3.*) Threaded boiler tubes shall not be permitted as described by PWT-9.2 and PWT-11.3 of section I of the ASME Boiler and Pressure Vessel Code.

(c) In welded wall construction employing stub and welded wall panels which are field welded, approximately 10 percent of the field welds shall be checked using any acceptable non-destructive test method.

(d) Nondestructive testing of the butt welded joints shall meet the requirements of § 56.95-10 of this subchapter.

[CGFR 68-82, 33 FR 18815, Dec. 18, 1968, as amended by CGFR 69-127, 35 FR 9976, June 17, 1970; CGD 81-79, 50 FR 9434, Mar. 8, 1985; USCG-2003-16630, 73 FR 65161, Oct. 31, 2008]

46 CFR Ch. I (10-1-11 Edition)

Subpart 52.20—Requirements for Firetube Boilers

§ 52.20-1 General (modifies PFT-1 through PFT-49).

Firetube boilers and parts thereof shall be as indicated in PFT-1 through PFT-49 of section I of the ASME Boiler and Pressure Vessel Code (incorporated by reference; see 46 CFR 52.01-1) except as noted otherwise in this subpart.

[USCG-2003-16630, 73 FR 65161, Oct. 31, 2008]

§ 52.20-17 Opening between boiler and safety valve (modifies PFT-44).

When a discharge pipe is used, it must be installed in accordance with the requirements of § 52.01-105.

[CGD 81-79, 50 FR 9434, Mar. 8, 1985]

§ 52.20-25 Setting (modifies PFT-46).

(a) The method of supporting firetube boilers shall be as indicated in PFT-46 of section I of the ASME Boiler and Pressure Vessel Code (incorporated by reference; see 46 CFR 52.01-1) except as noted otherwise in this section.

(b) The foundations shall meet the requirements of § 52.01-130.

[CGFR 68-82, 33 FR 18815, Dec. 18, 1968, as amended by USCG-2003-16630, 73 FR 65161, Oct. 31, 2008]

Subpart 52.25—Other Boiler Types

SOURCE: CGD 81-79, 50 FR 9434, Mar. 8, 1985, unless otherwise noted.

§ 52.25-1 General.

Requirements for fired boilers of various sizes and uses are referenced in Table 54.01-5(a) of this subchapter.

§ 52.25-3 Feedwater heaters (modifies PFH-1).

In addition to the requirements in PFH-1 of section I of the ASME Boiler and Pressure Vessel Code (incorporated by reference; see 46 CFR 52.01-1), feedwater heaters must meet the requirements in this part or the requirements in part 54.

[CGFR 68-82, 33 FR 18815, Dec. 18, 1968, as amended by USCG-2003-16630, 73 FR 65161, Oct. 31, 2008]