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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 the ASME Code are employed they shall be limited to 2-inch pipe size for pressure exceeding 150 pounds per square inch.

§ 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 the ASME Code 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 non-destructively examined as required by § 56.95-10 of this subchapter and PW-41 of the ASME 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 the ASME 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]

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 the ASME Code except as noted otherwise in this subpart.

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

§ 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 the ASME Code except as noted otherwise in this section.

(b) (Replaces PWT-9.2 and PWT-11.3.) Threaded boiler tubes shall not be per-

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mitted as described by PWT-9.2 and PWT-11.3 of the ASME 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]

Subpart 52.20—Requirements for Firetube Boilers

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

(a) Firetube boilers and parts thereof shall be as indicated in PFT-1 through PFT-49 of the ASME Code except as noted otherwise in this subpart.

§ 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 the ASME Code except as noted otherwise in this section.

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

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 the ASME Code, feedwater heaters must meet the requirements in this part or the requirements in part 54.