

designed in accordance with § 179.400–8(d) and in addition must comply with the design loads specified in Section 6.2 of the AAR Specifications for Tank Cars (IBR, see § 171.7 of this subchapter). The designs and calculations must provide for the loadings transferred to the outer jacket through the support system.

■ 198. In § 179.400–8, in paragraph (a), the definition of “S” following the formula is revised to read as follows:

§ 179.400–8 Thickness of plates.

(a) * * *

Where: * * *

* * * * *

S = minimum tensile strength of the plate material, as prescribed in AAR Specifications for Tank Cars, appendix M, Table M1 (IBR, see § 171.7 of this subchapter), in psi;

* * * * *

■ 199. In § 179.400–11, paragraph (c) is revised to read as follows:

§ 179.400–11 Welding.

* * * * *

(c) Each joint must be welded in accordance with the requirements of AAR Specifications for Tank Cars, appendix W (IBR, see § 171.7 of this subchapter).

* * * * *

■ 200. In § 179.400–12, paragraph (b) introductory text is revised to read as follows:

§ 179.400–12 Postweld heat treatment.

* * * * *

(b) The cylindrical portion of the outer jacket, with the exception of the circumferential closing seams, must be postweld heat treated as prescribed in AAR Specifications for Tank Cars, appendix W (IBR, see § 171.7 of this subchapter). Any item to be welded to this portion of the outer jacket must be attached before postweld heat treatment. Welds securing the following need not be postweld heat treated when it is not practical due to final assembly procedures:

* * * * *

■ 201. Section 179.400–15 is revised to read as follows:

§ 179.400–15 Radioscopy.

Each longitudinal and circumferential joint of the inner tank, and each longitudinal and circumferential double welded butt joint of the outer jacket, must be examined along its entire length in accordance with the requirements of AAR Specifications for Tank Cars, appendix W (IBR, see § 171.7 of this subchapter).

■ 202. In § 179.400–18, paragraph (b) is revised to read as follows:

§ 179.400–18 Test of inner tank.

* * * * *

(b) Caulking of welded joints to stop leaks developed during the test is prohibited. Repairs to welded joints must be made as prescribed in AAR Specifications for Tank Cars, appendix W (IBR, see § 171.7 of this subchapter).

■ 203. In § 179.400–20, paragraph (c)(1) is revised to read as follows:

§ 179.400–20 Pressure relief devices.

* * * * *

(c) * * *

(1) *Safety vent.* The safety vent shall function at the pressure specified in § 179.401–1. The safety vent must be flow rated in accordance with the applicable provisions of AAR Specifications for Tank Cars, appendix A (IBR, see § 171.7 of this subchapter), and provide sufficient capacity to meet the requirements of AAR Specifications for Tank Cars, appendix A, A8.07(a).

* * * * *

■ 204. In § 179.400–25, the introductory text is revised to read as follows:

§ 179.400–25 Stenciling.

Each tank car must be stenciled in compliance with the provisions of the AAR Specifications for Tank Cars, appendix C (IBR, see § 171.7 of this subchapter). The stenciling must also include the following:

* * * * *

PART 180—CONTINUING QUALIFICATION AND MAINTENANCE OF PACKAGINGS

■ The authority citation for part 180 continues to read as follows:

Authority: 49 U.S.C. 5101–5127; 49 CFR 1.53.

PART 180—[AMENDED]

■ 205. In Part 180, amend the following sections by removing the parenthetical phrase “(incorporated by reference; see § 171.7 of this subchapter)” and adding the parenthetical phrase “(IBR, see § 171.7 of this subchapter)” in each of the following places:

180.205(f)(1)

180.209(b)(1)(iii)

180.209(d)

180.209(e)

180.209(g)

180.209(i)(1) introductory text

180.211(c)(1)(iv)

180.211(d)(1)(ii)

■ 206. In Part 180, amend the following sections by removing the parenthetical phrase “(incorporated by reference; see § 171.7 of this subchapter)” in each of the following places:

180.209(f)

180.209(i)(2)

■ 207. In § 180.209, paragraph (k) is revised to read as follows:

§ 180.209 Requirements for requalification of specification cylinders.

* * * * *

(k) *3HT cylinders.* In addition to the other requirements of this section, a cylinder marked DOT–3HT must be requalified in accordance with CGA C–8 (IBR, see § 171.7 of this subchapter).

* * * * *

■ 208. In § 180.407, paragraph (g)(3) is revised to read as follows:

§ 180.407 Requirements for test and inspection of specification cargo tanks.

* * * * *

(g) * * *

(3) Each MC 330 and MC 331 cargo tank constructed of quenched and tempered steel in accordance with Part UHT in Section VIII of the ASME Code (IBR, see § 171.7 of this subchapter), or constructed of other than quenched and tempered steel but without postweld heat treatment, used for the transportation of anhydrous ammonia or any other hazardous materials that may cause corrosion stress cracking, must be internally inspected by the wet fluorescent magnetic particle method immediately prior to and in conjunction with the performance of the pressure test prescribed in this section. Each MC 330 and MC 331 cargo tank constructed of quenched and tempered steel in accordance with Part UHT in Section VIII of the ASME Code and used for the transportation of liquefied petroleum gas must be internally inspected by the wet fluorescent magnetic particle method immediately prior to and in conjunction with the performance of the pressure test prescribed in this section. The wet fluorescent magnetic particle inspection must be in accordance with Section V of the ASME Code and CGA Technical Bulletin TB–2 (IBR, see § 171.7 of this subchapter). This paragraph does not apply to cargo tanks that do not have manholes. (See § 180.417(c) for reporting requirements.)

* * * * *

■ 209. In § 180.411, paragraph (b) introductory text is revised to read as follows:

§ 180.411 Acceptable results of tests and inspections.

* * * * *

(b) *Dents, cuts, digs and gouges.* For evaluation procedures, see CGA C–6 (IBR, see § 171.7 of this subchapter).

* * * * *