PART PA
ALTERNATIVE RULES FOR BOILER CONSTRUCTION

PA-1 GENERAL

Components designed and constructed to the rules of Section VIII, Division 2 may be installed in a Section I boiler, provided all other requirements of Section I are satisfied by a Section I certificate holder and the requirements of Part PA are met.

PA-2 CODE BOUNDARIES AND INTERFACES

The design and fabrication of components shall be per Section VIII, Division 2. The interface between Section VIII, Division 2 components and other parts of the Section I system shall be of welded construction and shall also meet the thickness requirements of Section I.

PA-3 DESIGN SPECIFICATION AND DESIGN REPORT

A Certified User’s Design Specification and Certified Manufacturer’s Design Report are required for the components in accordance with Section VIII, Division 2.

PA-4 CONSTRUCTION

PA-4.1 Layered construction as permitted in Section VIII, Division 2 is not permitted in Section I construction.

PA-4.2 Components constructed of Section VIII, Division 2 rules shall have all joints of Category A in accordance with Type No. 1, and all joints of Category B in accordance with Type No. 1 or 2.

PA-5 MATERIALS

Materials shall comply with Section I, PG-5.5 and shall be limited to those permitted by both Section I and Section VIII, Division 2 and to the design temperature limits of Section VIII, Division 2.

PA-6 HYDROSTATIC TEST

The shop hydrostatic test pressure(s) shall be the larger of the test pressures determined by Section VIII, Division 2, or the limit of the test pressure(s) determined by Section I. The equivalent stress limits due to hydrostatic testing of the Section VIII, Division 2 components shall not exceed those prescribed by Section VIII, Division 2. After installation into a power boiler, such components shall also be subjected to that system’s hydrostatic test.

PA-7 DATA REPORTS AND STAMPING

PA-7.1 Components constructed to Section VIII, Division 2 rules shall be stamped with the Certification Mark with "U2" Designator and additional marking as required by Section VIII, Division 2 and documented with Form A-1, Manufacturer’s Data Report. A Section VIII, Division 2 nameplate shall be furnished and marked “Section I, Part PA.”

PA-7.2 Form A-1, Manufacturer’s Data Report, shall be included in the Section I Master Data Report for the completed boiler unit (see PG-113) and shall state “Components designed and constructed to Section VIII, Division 2, as permitted by Part PA.”

Revise to read: "Components constructed to Section VIII, Division 2 rules shall be stamped with the Certification Mark, with the "U2" Designator and additional marking as required by Section VIII, Division 2. A Manufacturer’s Data Report for Pressure Vessels, Form A-1, from Section VIII, Division 2, shall be completed for documentation."

Replace text of PA-3 with the following: "When required by Section VIII, Division 2, a Certified User’s Design Specification and Certified Manufacturer’s Design Report shall be provided for the component."

Correct title of Form A-1 to read: "Manufacturer’s Data Report for Pressure Vessels"