

PROPOSED REVISION 15
AP1000 DESIGN CONTROL DOCUMENT

Tier 1 Subsection 2.3.13 and Table 2.3.13-3

Primary Sampling System

Description of Change

Make an editorial correction in Tier 1 Table 2.3.13-3 to indicate that there is only one check valve in the primary sampling system. Provide precise references for ITAAC Items 6.c) and 7 in Tier 1 Table 2.3.13-3.

Technical Justification

The changes for ITAAC Items 6.c) and 7 in Tier 1 Table 2.3.13-3 provide direct references to the relevant material. The balance of the changes is editorial and requires no technical justification.

Regulatory Consequence

There is no change in design function. There is no change to analysis or analysis method. There is no effect on the FSER. However, these corrections do represent changes in Tier 1 material.

Change Markup

Revise Tier 1 subsection 2.3.13, item 11.a) as follows:

2.3.13 Primary Sampling System

11. a) The check valves identified in Table 2.3.13-1 perform an active safety-related function to change position as indicated in the table.
- b) After loss of motive power, the remotely operated valves identified in Table 2.3.13-1 assume the indicated loss of motive power position.

Tier 1 Table 2.3.13-3 Revise items 6.c) and 7 in Tier 1 Table 2.3.13-3 as follows:

Table 2.3.13-3 (cont.) Inspections, Tests, Analyses, and Acceptance Criteria		
Design Commitment	Inspections, Tests, Analyses	Acceptance Criteria
6.c) Separation is provided between PSS Class 1E divisions, and between Class 1E divisions and non-Class 1E divisions.	See Tier 1 Material, Table 3.3-6, item 7.d, Section 3.3, Nuclear Island Buildings.	See Tier 1 Material, Table 3.3-6, item 7.d, Section 3.3, Nuclear Island Buildings.
7. The PSS provides the safety-related function of preserving containment integrity by isolation of the PSS lines penetrating the containment.	See Tier 1 Material, Table 2.2.1-3, item 7, subsection 2.2.1, Containment System.	See Tier 1, Material, Table 2.2.1-3, item 7, subsection 2.2.1, Containment System.

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Revise items 11.a) and 11.b) in Tier 1 Table 2.3.13-3 as follows:

Table 2.3.13-3 (cont.) Inspections, Tests, Analyses, and Acceptance Criteria		
Design Commitment	Inspections, Tests, Analyses	Acceptance Criteria
11.a) The check valves identified in Table 2.3.13-1 perform an active safety-related function to change position as indicated in the table.	Exercise testing of the check valves with an active safety function identified in Table 2.3.13-1 will be performed under preoperational test pressure, temperature, and fluid flow conditions.	The Each check valve changes position as indicated in Table 2.3.13-1.
11.b) After loss of motive power, the remotely operated valves identified in Table 2.3.13-1 assume the indicated loss of motive power position.	Testing of the installed valves will be performed under the conditions of loss of motive power.	After Upon loss of motive power, each remotely operated valve identified in Table 2.3.13-1 assumes the indicated loss of motive power position.