

MEB-CQ-201505 3.2.1 Responses

Issue # 1

Subject of presentation

Issue # 2

In DCD Tier 2, Table 3.2-1, the letdown heat exchanger supply and return piping between the valves CC-297, CC-301, CC-1685, and CC-1686 in division I, which appears to be part of the component cooling water system (CCW), is identified as seismic Category II, Quality Group D. This is supported in Figure 9.2.2-1 (Page 9.2-149). The letdown heat exchanger itself (part of the chemical and volume control system (CVCS)) is classified as seismic Category I, Quality Group C. This transition is not illustrated in the system figure. Please justify why a portion of CCW, a safety-related system, is not seismic Category I, and why its classification is not consistent with the heat exchanger that it supports. Updates to DCD Tier 2, Table 3.2-1 and associated system figures may be needed to clarify these classifications.

Response

This item was recently issued as RAI 29-7926 question 03.02.01-6 on June 15, 2015. KHNP understands the question and will provide a response to this issue by September 14, 2015.

Issue # 3

DCD Tier 2, Revision 0, Table 3.2-1 uses the column header "Principal SSCs." This is not a defined term and should be clarified. Please clarify the criteria for determining whether an SSC is "principal" and specify if there are additional SSCs not listed in the table.

Response

Table 3.2-1 shows the Seismic and Quality Group classification of major components which are in the APR1400 design scope. The table does not identify all the minor or detailed system components, but identifies major system components such as pressure vessels, heat exchangers, storage tanks, pumps, piping and valves at which the boundaries indicate class breaks. The term "Principal" is not a defined term and was intended to mean that the Table 3.2-1 lists major components, not all of the minor or detailed components. The term "Item No./Principal SSCs" in the column header of Table 3.2-1 will be changed to "SSC identification" to prevent confusion. Markups will be provided in conjunction with the response to the RAIs 29-7926 and 30-7927 issued on June 15, 2015.