REVISED RESPONSE TO REQUEST FOR ADDITIONAL INFORMATION

APR1400 Design Certification

Korea Electric Power Corporation / Korea Hydro & Nuclear Power Co., LTD

Docket No. 52-046

RAI No.:	**509-8591**
SRP Section:	**16.3.3.13 – Logarithmic Power Monitoring Channels**
Application Section:	**16.3.3.13**
Date of RAI Issue:	**08/01/2016**

Question No. 16-206

Paragraph (a)(11) of 10 CFR 52.47 states that a design certification (DC) applicant is to propose Technical Specifications (TS) prepared in accordance with 10 CFR 50.36 and 50.36a. NUREG-1432, “Standard Technical Specifications (STS)-Combustion Engineering Plants,” Rev. 4, provides NRC guidance on format and content of technical specifications as one acceptable means to meet 10 CFR 50.36 requirements. Staff needs to evaluate all technical differences from standard TS (STS) NUREG-1432, STS Combustion Engineering Plants, Rev. 4, which is referenced by the DC applicant in DCD Tier 2 Section 16.1, and the docketed rationale for each difference because conformance to STS provisions is used in the safety review as the initial point of guidance for evaluating the adequacy of the generic TS to ensure adequate protection of public health and safety, and the completeness and accuracy of the generic TS Bases.

The Writer’s Guide for Plant-Specific Improved Technical Specifications (TSTF-GG-05-01) also provides guidance for the format and content of the TS. There are format and content differences between the DCD and the Writer’s Guide. These following corrections are necessary to ensure the completeness and accuracy of the TS and Bases.

Correct the borders within the Required Actions table for Technical Specification (TS) 3.3.13.

In the Required Actions table, there is a Note associated with Required Action A.1. The single line above and below the Note contact the vertical line separating the Required Action column and the Completion Time column. This should be corrected.

This correction is required to ensure the proper formatting of the Required Actions table within TS 3.3.13.

Response – (Rev. 1)

The single lines above and below the note within the Required Actions table will be revised to detach the vertical line between the Required Action column and the Completion Time column as requested.

Impact on DCD

Same as changes described in Impact on Technical Specifications section.

Impact on PRA

There is no impact on the PRA.

Impact on Technical Specifications

TS 3.3.13 of DCD Tier 2 will be revised as shown in the attached markup.

Impact on Technical/Topical/Environmental Reports

There is no impact on any Technical, Topical or Environmental Report.

3.3 INSTRUMENTATION

3.3.13 Logarithmic Power Monitoring Channels

LCO 3.3.13 Two logarithmic power level monitoring instrumentation shall be OPERABLE.

APPLICABILITY: MODES 3, 4, and 5 with the reactor trip switchgears (RTSGs) open or control element assembly (CEA) drive system not capable of CEA withdrawal.

ACTIONS

CONDITION	REQUIRED ACTION	COMPLETION TIME
A. One or more required channel(s) inoperable.	A.1 NOTE Limited plant cooldown or boron dilution is allowed provided the change is accounted for in the calculated SDM. Suspend all operations	Immediately
	T_{cold} > 99 °C (210 °F) or SR 3.1.2.1 if T_{cold} ≤ 99 °C (210 °F).	AND Once per 12 hours thereafter

A.1 ---------NOTE---------
Limited plant cooldown or boron dilution is allowed provided the change is accounted for in the calculated SDM.
