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Your ref: Docket No. 52-006
Our ref: DCP_NRC_002610

August 31, 2009

Subject: AP1000 Response to Request for Additional Information (SRP 18)

Westinghouse is submitting a response to the NRC request for additional information (RAI) on SRP Section 18. This RAI response is submitted in support of the AP1000 Design Certification Amendment Application (Docket No. 52-006). The information included in this response is generic and is expected to apply to all COL applications referencing the AP1000 Design Certification and the AP1000 Design Certification Amendment Application.

Enclosure 1 provides the response for the following RAI(s):

RAI-SRP18-COLP-20

Questions or requests for additional information related to the content and preparation of this response should be directed to Westinghouse. Please send copies of such questions or requests to the prospective applicants for combined licenses referencing the AP1000 Design Certification. A representative for each applicant is included on the cc: list of this letter.

Very truly yours,

A handwritten signature in black ink, appearing to read 'Robert Sisk'.

Robert Sisk, Manager
Licensing and Customer Interface
Regulatory Affairs and Standardization

/Enclosure

1. Response to Request for Additional Information on SRP Section 18

cc: D. Jaffe - U.S. NRC 1E
E. McKenna - U.S. NRC 1E
P. Donnelly - U.S. NRC 1E
T. Spink - TVA 1E
P. Hastings - Duke Power 1E
R. Kitchen - Progress Energy 1E
A. Monroe - SCANA 1E
P. Jacobs - Florida Power & Light 1E
C. Pierce - Southern Company 1E
E. Schmiech - Westinghouse 1E
G. Zinke - NuStart/Entergy 1E
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ENCLOSURE 1

Response to Request for Additional Information on SRP Section 18

AP1000 TECHNICAL REPORT REVIEW

Response to Request For Additional Information (RAI)

RAI Response Number: RAI-SRP18-COLP-20
Revision: 0

Question:

Interface Requirements applicable to Chapter 18 are listed in Table 1.8-1, Tier 2 Chapter 1 Section 8. Based on RCOL RAI responses and the staff's review, some interface requirements appear to be redundant to information provided in the DCD Revision 16 and 17.

Interface requirements 18.4 and 18.5 are creating the most confusion partly because of their wording, and partly because there is not a specific COL action item we can associate them with. The information items that are similar (18.8-1 and 18.2-1) are being closed by DCD Rev 17 with the words, "The Combined License information requested in this subsection has been fully addressed... and the applicable changes are incorporated into the DCD." We understand this to mean that the COL applicants don't need to provide site specific information. Also both appear to be more action than information related and both appear to be within the scope of ITAAC 1 Revision 17.

Please verify the interface requirements are still needed to address 10 CFR 52.47(a)(25).

Westinghouse Response:

Westinghouse has been working with the NRC and industry to demonstrate satisfactory HFE program implementation as described in Chapter 18 of the DCD. Westinghouse Chapter 18 efforts and the AP1000 RCOLA and RCOL RAI responses fully envelope the interface requirements identified in Table 1.8-1, Tier 2, Chapter 1, Section 8. These interface requirements are redundant to information provided in DCD Revisions 16 and 17 and the RCOLA in the Chapter 18 area.

Westinghouse proposes deletion of interface requirements Items No. 18.4 and 18.5 applicable to Chapter 18 as listed in Table 1.8-1 of Tier 2 Chapter 1, Section 8. (See the DCD Revision Section of this RAI.)

AP1000 TECHNICAL REPORT REVIEW

Response to Request For Additional Information (RAI)

Design Control Document (DCD) Revision:

Tier 2, Chapter 1, Section 8 Table 1.8-1 of the DCD will be revised as noted in the following DCD mark-up:

Table 1.8-1 (Sheet 7 of 7)				
SUMMARY OF AP1000 PLANT INTERFACES WITH REMAINDER OF PLANT				
Item No.	Interface	Interface Type	Matching Interface Item	Section or Sub-section
18.3	Operating Procedures consistent with Human Factors evaluations	AP1000 Interface	Combined License applicant program	18.8 18.10
18.4	Final coordination and integration of human system interface areas within a specific AP1000 consistent with Human Factors evaluations	AP1000 Interface	Combined License applicant program	18.2 18.8
18.5	Final coordination and integration of Combined License applicant facilities with those of a specific AP1000 consistent with Human Factors evaluations	AP1000 Interface	Combined License applicant program	18.2 18.8

PRA Revision:

None.

Technical Report (TR) Revision:

None.