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U.S. Nuclear Regulatory Commission
ATTENTION: Document Control Desk
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Your ref: Docket No. 52-006
Our ref: DCP/NRC2399

March 5, 2009

Subject: AP1000 Response to Request for Additional Information (SRP 3)

Westinghouse is submitting a response to the NRC request for additional information (RAI) on SRP Section 3. 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:

RAI-SRP3.8.3-SEB1-02

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 cursive script, 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 3

cc:	D. Jaffe	- U.S. NRC	1E
	E. McKenna	- U.S. NRC	1E
	B. Gleaves	- U.S. NRC	1E
	C. Proctor	- U.S. NRC	1E
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	P. Hastings	- Duke Power	1E
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	A. Monroe	- SCANA	1E
	P. Jacobs	- Florida Power & Light	1E
	C. Pierce	- Southern Company	1E
	E. Schmiech	- Westinghouse	1E
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ENCLOSURE 1

Response to Request for Additional Information on SRP Section 3

AP1000 TECHNICAL REPORT REVIEW

Response to Request For Additional Information (RAI)

RAI Response Number: RAI-SRP-3.8.3-SEB1-02
Revision: 0

Question:

DCD Section 3.8.3.2 indicates that the temperature transient for the ADS₂ loading is shown in DCD Figure 3.8.3-7. However, the DCD revision for this figure states that "Figure 3.8.3-7 not used." Westinghouse is requested to explain this inconsistency and to place in the DCD the figure showing the temperature transient for ADS₂ which is referred to in DCD Section 3.8.3.2.

If your response to this request for additional information will reference Revision 17 to the AP1000 DCD, please provide an exact reference.

Westinghouse Response:

Figure 3.8.3-7, IRWST Temperature Transient, is included in DCD Revision 17. This figure includes IRWST and CMT room temperature response.

Design Control Document (DCD) Revision:

None

PRA Revision:

None

Technical Report (TR) Revision:

None