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U.S. Nuclear Regulatory Commission
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Your ref: Docket No. 52-006
Our ref: DCP_NRC_002958

July 12, 2010

Subject: AP1000 Response to Request for Additional Information (SRP 6)

Westinghouse is submitting a response to the NRC request for additional information (RAI) on SRP Section 6. 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-SRP6.2.1.1-SPCV-06 R2

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 Strategy

/Enclosure

1. Response to Request for Additional Information on SRP Section 6

D063
NRD

cc:	D. Jaffe	- U.S. NRC	1E
	E. McKenna	- U.S. NRC	1E
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	T. Spink	- TVA	1E
	P. Hastings	- Duke Power	1E
	R. Kitchen	- Progress Energy	1E
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	P. Jacobs	- Florida Power & Light	1E
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	E. Schmiech	- Westinghouse	1E
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ENCLOSURE 1

Response to Request for Additional Information on SRP Section 6

AP1000 TECHNICAL REPORT REVIEW

Response to Request For Additional Information (RAI)

RAI Response Number: RAI-SRP6.2.1.1-SPCV-06
Revision: 2

Question:

The WGOTHIC models used to evaluate the containment response to LOCA and MSLB events were updated to reflect recent design changes to the pressurizer and pressurizer room, shield building air flow path, and external maximum wet bulb temperature. While the changes were found to be acceptable, the DCD text still references the outdated models described in Section 6.2.7 Ref. 20 as the design basis. Describe how these model revisions will be incorporated into the DCD.

Westinghouse Response: (Revision 2)

This response supersedes previous responses provided to this RAI. Westinghouse will submit APP-GW-GLR-096, "Evaluation of the Effect of AP1000 Enhance Shield Building Design on the Containment Response and Safety Analysis" on or before July 31, 2010. This report will provide DCD changes to reference APP-GW-GLR-096 for the WGOTHIC model revisions.

Design Control Document (DCD) Revision:

Westinghouse will provide the DCD revisions associated with this RAI in APP-GW-GLR-096, "Evaluation of the Effect of AP1000 Enhance Shield Building Design on the Containment Response and Safety Analysis"

PRA Revision:

None

Technical Report (TR) Revision:

None