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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_NRC_002565

July 21, 2009

Subject: AP1000 Response to Request for Additional Information (SRP 15)

Westinghouse is submitting a response to the NRC request for additional information (RAI) on SRP Section 15. 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-SRP15.6.5-SRSB-21

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 that reads "D.A. Lindgren / For".

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

/Enclosure

1. Response to Request for Additional Information on SRP Section 15

Handwritten initials in black ink that read "Dale NRO".

cc: D. Jaffe - U.S. NRC 1E
E. McKenna - U.S. NRC 1E
P. Clark - 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
R. Grumbir - NuStart 1E
D. Behnke - Westinghouse 1E

ENCLOSURE 1

Response to Request for Additional Information on SRP Section 15

AP1000 TECHNICAL REPORT REVIEW

Response to Request For Additional Information (RAI)

RAI Response Number: RAI-SRP15.6.5-SRSB-21
Revision: 0

Question:

In TR APP-GW-GLE-026, Rev. 1, Attachment 2, Westinghouse provides proposed updates to Revision 17 of DCD section 15.6.5.4A, Table 15.6.5-4, and Figures 15.6.5.4A-3, 15.6.5.4A-7, 15.6.5.4A-8, and 15.6.5.4A-9, related to the best-estimate large break LOCA analysis. These updates will remain confirmatory items pending its implementation in the next updates of the AP1000 DCD Revision 17.

Please confirm that these proposed changes will be made in the next update to DCD Rev 17.

Westinghouse Response:

Westinghouse will include the DCD changes proposed in APP-GW-GLE-026, Rev. 1 in the next update to its application to amend the AP1000 Design Certification (10 CFR 52 Appendix D).

Design Control Document (DCD) Revision:

DCD Revisions are documented in APP-GW-GLE-026, Rev. 1

PRA Revision:

None

Technical Report (TR) Revision:

None