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Your ref: Docket Number 52-006
Our ref: DCP/NRC2494

May 29, 2009

Subject: AP1000 DCD Impact Document Submittal of APP-PXS-GLR-001, Revision 1

Westinghouse is submitting Revision 1 of APP-PXS-GLR-001, "Impact on AP1000 Post-LOCA Long Term Cooling of Postulated Containment Sump Debris." The purpose of this report is to demonstrate passive core cooling system performance during the containment recirculation time frame following a LOCA. The purpose for this revision to the report is to document the resolution of discussions with the NRC staff with respect to Requests for Additional Information (RAIs) RAI-SRP 6.2.2-SRSB-01R1 through RAI-SRP 6.2.2-SRSB-05R1, RAI-SRP 6.2.2-SRSB-07R1; RAI-SRP 6.2.2-SRSB-10R1, RAI-SRP 6.2.2-SRSB-11R1, RAI-SRP 6.2.2-SRSB-15R1, RAI-SRP 6.2.2-CIB1-20 through RAI-SRP 6.2.2-CIB1-23, and RAI-SRP 6.2.2-SPCV-12 through RAI-SRP 6.2.2-SPCV-19.

This report is submitted in support of the AP1000 Design Certification Amendment Application (Docket No. 52-006). The information provided in this report is generic and is expected to apply to all Combined Operating License (COL) applicants referencing the AP1000 Design Certification and the AP1000 Design Certification Amendment Application.

Pursuant to 10 CFR 50.30(b), APP-PXS-GLR-001, Revision 1, "Impact on AP1000 Post-LOCA Long Term Cooling of Postulated Containment Sump Debris," is submitted as Enclosure 1. Revision 0 of this report was submitted under letter DCP/NRC2127 dated April 28.

Questions or requests for additional information related to the content and preparation of this report 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

DC63
NRC

1. APP-PXS-GLR-001, Revision 1, "Impact on AP1000 Post-LOCA Long Term Cooling of Postulated Containment Sump Debris."

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ENCLOSURE 1

APP-PXS-GLR-001

Revision 1

“Impact on AP1000 Post-LOCA Long Term Cooling of Postulated Containment Sump Debris”