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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/NRC2206

July 18, 2008

Subject: AP1000 Response to Request for Additional Information (SRP5.2.1)

Westinghouse is submitting a response to the NRC request for additional information (RAI) on SRP Section 5.2.1. This RAI response is submitted in support of the AP1000 Design Certification Amendment Application (Docket No. 52-006). The information included in the response is generic and is expected to apply to all COL applications referencing the AP1000 Design Certification and the AP1000 Design Certification Amendment Application.

A response is provided for RAI-SRP5.2.1-EMB-01, as sent in an email from Perry Buckberg to Sam Adams dated May 15, 2008. This response completes all requests received to date for SRP Section 5.2.1. A response for RAI-SRP5.2.1-EMB-02 was submitted under letter DCP/NRC2156 dated June 10, 2008.

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,

John J. DeBlasio

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

/Enclosure

1. Response to Request for Additional Information on SRP Section 5.2.1

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NRO

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ENCLOSURE 1

Response to Request for Additional Information on SRP Section 5.2.1

AP1000 TECHNICAL REPORT REVIEW

Response to Request For Additional Information (RAI)

RAI Response Number: RAI-SRP5.2.1-EMB-01
Revision: 0

Question:

DCD Tier 2 Section 5.2.1.2 was revised to reference subsection 5.2.6.1 which contains a commitment that the Combined License applicant will address consistency of the design with the construction practices (including inspection and examination methods) of the later ASME Code edition and addenda as well as code cases approved subsequent to design certification. To ensure appropriate Code Cases are applied for inspection and examination, Westinghouse is requested to provide Code Cases similar to those in DCD Table 5.2-3, which are applicable to RG 1.147,"Inservice Inspection Code Case Acceptability, ASME Section XI, Division 1," and RG 1.192, "Operation and Maintenance Code Case Acceptability, ASME OM Code."

Westinghouse Response:

DCD Subsection 5.2.1.2 discusses the use of Code Cases for the design and fabrication of components in the reactor coolant pressure boundary and other ASME Code, Section III components. ASME Code, Section XI and the ASME OM Code are not directly used in the design of the reactor coolant pressure boundary. The ASME Code, Section XI and OM Code requirements are used to consider accessibility and testing requirements. These considerations do not require the formal use of Section XI and OM Code Cases. We have not identified any design features that rely on or require the use of specific Section XI and OM Code Cases.

The Code Cases to be used for inservice inspection and testing should be included in the programs developed for these activities. These programs are described in COLA FSARs. DCD Subsection 5.2.1.2 is not an appropriate place to identify the Code Cases expected to be used for inservice inspection and inservice testing.

Design Control Document (DCD) Revision:
None

PRA Revision:
None

Technical Report (TR) Revision:
None