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Your ref: Docket No. 52-006
Our ref: DCP/NRC2385

February 19, 2009

Subject: AP1000 Responses to Requests 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-SRP3.8.6-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

| | | | |
|-----|-------------|-------------------------|----|
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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-SRP3.8.6-SEB1-02
Revision: 0

Question:

DCD Rev. 16, Section 3.8.6.2 through 3.8.6.4 has been revised to remove the COL information requirements for the Passive Containment Cooling System Water Storage Tank Examination, As-Built Summary Report, and In-Service Inspection of Containment Vessel. Westinghouse is requested to place these items back in Section 3.8.6. Even if these items are identified elsewhere in the DCD, it is important to have a complete representation in DCD Section 3.8.6 "Combined License Information" which is intended to summarize the required information to be developed from the combined license applicant, that are discussed in the prior DCD Sections 3.8.1 through 3.8.5.

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

Westinghouse Response:

The justification for the removal of these COL information items was included in AP1000 Standard Combined License Technical Report APP-GW-GLR-021 (TR-06) (pages 7-11) transmitted to the NRC in June 2006. Please see NRC accession number ML061580451. Westinghouse did not receive RAIs on the subject COL information items as part of the review of the technical report during the preapplication review.

These three COL information items as written in DCD Revision 15 did not provide information that would be available during the COL application review. These COL information items required information and activities that could be completed only after completion of construction. If these items were to be retained they would be labeled as COL holder items.

The COL information item in DCD Subsection 3.8.6.2, Revision 15 read as follows:

The Combined License applicant will examine the structures supporting the passive containment cooling storage tank on the shield building roof during initial tank filling as described in subsection 3.8.4.7.

The requirement to examine the passive containment cooling water storage tank is redundant with ITAAC Item 10 ii) of Tier 1, Table 3.3-6.

Deleting the COL information item did not alter the information about design and loading conditions of the passive containment cooling water storage tank in DCD Subsection 3.8.4.7. The commitment to do a test of the passive containment cooling water storage tank included in DCD Section 3.8.4.7 was not altered by the deletion of the COL information item.

AP1000 TECHNICAL REPORT REVIEW

Response to Request For Additional Information (RAI)

The COL information item in DCD Subsection 3.8.6.3 Revision 15 read as follows:

The Combined License applicant will evaluate deviations from the design due to as procured or as-built conditions and will summarize the results of the evaluation in an as-built summary report as described in subsections 3.8.3.5.7, 3.8.4.5.3 and 3.8.5.4.2.

The requirement to prepare an as-built summary report is redundant with ITAAC Item 2.a) i) of Tier 1 Table 3.3-6.

Deleting the COL information item did not alter the information about design and loading conditions of the structures described in DCD Subsections 3.8.3, 3.8.4, and 3.8.5. The commitments to provide design summary reports of the structures included in DCD Sections 3.8.3.5.7, 3.8.4.5.3 and 3.8.5.4.2 was not altered by the deletion of the COL information item.

The COL information item in DCD Subsection 3.8.6.4, Revision 15 read as follows:

The Combined License applicant will perform in-service inspection of the containment according to the ASME Code Section XI, Subsection IWE, as described in subsection 3.8.2.7.

Inservice inspection of the containment is required by NRC Regulations including 10CFR 50.55a. This COL Information Item was redundant with NRC Regulations. Inservice inspections are completed by the COL holder after operation is initiated.

Deleting the COL information item did not alter information about the design of the containment or appurtenances DCD Subsection 3.8.2. The commitment for inservice inspection of the containment included in DCD Section 6.6.1 was not altered by the deletion of the COL information item.

The justification provided for removal of the subject COL Information Items in APP-GW-GLR-021 remains valid. The justification provided in APP-GW-GLR-021 fully supported the removal of the COL Information Items. The removal of the COL Information Items did not alter design features in the AP1000 certified design. The removal of the COL Information Items did not adversely impact the safety of the design, construction, or operation of the AP1000. The activities and information required by these COL information items are required by redundant ITAAC and NRC regulations. These COL Information Items do not need to be returned to the DCD.

Design Control Document (DCD) Revision: None

PRA Revision: None

Technical Report (TR) Revision: None