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Your ref: Docket No. 52-006
Our ref: DCP_NRC_002754

January 27, 2010

Subject: AP1000 Response to Proposed Open Item (Technical Report 107)

Westinghouse is submitting the following responses to the NRC open item (OI) on Technical Report 107. These proposed open item response are submitted in support of the AP1000 Design Certification Amendment Application (Docket No. 52-006). The information included in these responses 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 proposed Open Item(s):

OI-TR107-NSIR-07

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 Proposed Open Item (Technical Report 107)

Daab
NRC

cc:	D. Jaffe	- U.S. NRC	1E
	E. McKenna	- U.S. NRC	1E
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	P. Hastings	- Duke Power	1E
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	A. Monroe	- SCANA	1E
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ENCLOSURE 1

AP1000 Response to Proposed Open Item (Technical Report 107)

AP1000 TECHNICAL REPORT REVIEW

Response to Open Item (OI)

RAI Response Number: OI-TR107-NSIR-07
Revision: 0

Question:

As reflected in AP1000 DCD Revision 17, Westinghouse requested (in TR 107) a change in the TSC location designation from Tier 1 to Tier 2*. The staff's position is that the change should be to Tier 2, rather than Tier 2*. (A change of Tier 1 to Tier 2 would be governed by the same regulatory basis, described above, as a change from Tier 1 to Tier 2*.) This is because the NRC has previously used the Tier 2* designation for DCD information, where there is a reasonable expectation of a change over the lifetime of the facility; e.g., a fuel change. The nature of the information is such that the NRC must review and approve the proposed change prior to the change being made. As another example, the Tier 2* designation would be appropriate for information relating to detailed design methodologies and evaluation criteria. Such examples could result in design changes where the safety of the completed design may not be readily apparent. In regard to the AP1000 DCD, once the TSC is built, it is unlikely that it will be moved. Thus, the staff concludes that the Tier 2 designation for the TSC location is more appropriate than Tier 2*. For a Tier 2 TSC DCD location designation, a proposed change to the TSC location (i.e., to a location other than the CSA) by an applicant (or licensee) would require a departure from the certified design. The staff has determined that the applicant must change the TSC location designations in the DCD from Tier 2* to Tier 2 (e.g., in DCD Section 18.8.3.5).

The other DCD Tier 1 requirements associated with the TSC are unaffected by this change, and will be subject to the applicable Tier 1 change control process. The staff has identified resolution of this issue as Open Item OI-TR107-NSIR-07.

Westinghouse Response:

As suggested, Westinghouse changes the TSC location designations in the DCD from Tier 2* to Tier 2 as shown in the DCD markup below.

AP1000 TECHNICAL REPORT REVIEW

Response to Open Item (OI)

Design Control Document (DCD) Revision:

Revise Section 18.8.3.5, "Technical Support Center Mission and Major Tasks," to remove the Tier 2* bracket designations and italic font, as shown:

18.8.3.5 Technical Support Center Mission and Major Tasks

The mission of the technical support center (TSC) is to provide an area and resources for use by personnel providing plant management and technical support to the plant operating staff during emergency evolutions. The TSC relieves the reactor operators of peripheral duties and communications not directly related to reactor system manipulations and prevents congestion in the control room. {The TSC is located in the control support area (CSA).}*

(remaining 9 paragraphs unchanged)

PRA Revision:

None

Technical Report (TR) Revision:

None