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Your ref: Docket No. 52-006
Our ref: DCP_NRC_003069

October 21, 2010

Subject: Withdrawal Request for APP-GW-GLR-045 (TR-57)

In Westinghouse Letter DCP/NRC dated April 5, 2007 Westinghouse submitted APP-GW-GLR-045, "Nuclear Island: Evaluation of Critical Sections," (Technical Report 57 (TR-57)). The intent of the submittal was to complete activities associated with AP1000 COL Information Item 3.7-4. Revisions for this report were subsequently provided in DCP/NRC2047 Dated November 21, 2007 and DCP/NRC2188 Dated July 1 2008. The report was originally submitted as part of the NuStart Bellefonte COL Project (NRC Project Number 740)

Westinghouse is requesting that APP-GW-GLR-045 be withdrawn from review. Since the most recent submittal in July of 2008, the AP1000 shield building design has undergone revision and the critical section information for the shield building in Revision 2 of APP-GW-GLR-045 does not reflect the current design. Therefore, WEC believes it would be prudent to not use this technical report as part of the Chapter 3 Safety Evaluation. In addition, the original intent of completing COL Information item 3.7-4 was not accomplished and the COL Information item remains in the AP1000 Design Control Document (DCD). COL applicants will complete the activities required to close this item. No additional evaluation is expected for units that satisfy the site parameters.

The information provided in APP-GW-GLR-045 has been included in the DCD in Section 3.8 and Appendix 3H. Reference to the report in the DCD is not required and DCD Revision 18 will not include such a reference. DCD mark-ups included with Revision 4 of RAI-SEP3.8.3-SEB1-05 remove the reference to the report previously provided in mark-ups in earlier revisions of the RAI response. In three places (Subsection 3.8.3.5.8.1, Subsection 3.8.3.5.8.2, and Subsection 3.8.3.5.8.3) reference to Technical Report APP-GW-GLR-045 (Reference 56) will be deleted from the mark-up. The reference to the technical report in this section is not needed since it does not provide substantial additional information to what is included the DCD. Also the information in 3.8.7 "References" for Reference 56 will be removed.

In addition to Section 3.8, Sections 1.8 and 9.1 include reference to APP-GW-GLR-045 for evaluation of the spent fuel racks. Reference to APP-GW-GLR-045 can be removed because the recent revision of APP-GW-GLR-033 contains sufficient information on the structural analysis without reference to APP-GW-GLR-045. The evaluation in APP-GW-GLR-033 uses the Certified Seismic Design Response Spectra (CSDRS) and updated structural model that is included in analyses that support the DCD Revision 18. Changes in Section 1.8 and 9.1 are shown in the attached mark-ups.

D063
NRD

A crosswalk, or road map, of where the information in TR-57 is found in the DCD is attached. This crosswalk identifies for each section where information in the technical report is located in the DCD. Also, the corresponding numbers of the table and figures are provided.

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,



R. F. Ziesing
Director, U.S. Licensing

/Attachments

cc: D. Jaffe - U.S. NRC
E. McKenna - U.S. NRC
B. Gleaves - U.S. NRC
T. Spink - TVA
P. Hastings - Duke Energy
R. Kitchen - Progress Energy
A. Monroe - SCANA
P. Jacobs - Florida Power & Light
C. Pierce - Southern Company
E. Schmiech - Westinghouse
G. Zinke - NuStart/Entergy
R. Grumbir - NuStart
D. Lindgren - Westinghouse

Crosswalk between TR-57 and DCD

Report Section, Table or Figure	DCD Section, Table, or Figure
2.1	3.8.3.1
2.2.1	3.8.3.4 3.8.3.5.3
2.1.2	3.8.3.5.8.1 3.8.3.5.8.2 3.8.3.5.8.3
2.2	3.8.5.4 3.8.5.1
2.2.1	3.8.4.5.4
Figure (F)2.2-1	F3.7.2-12
F2.2-2	F3.7.2-12
F2.2-3	F3.7.2-12
F2.2-4	F3H.5-1
2.2.2.1	3H.5.1
2.2.2.1.1	3H.5.1.1
2.2.2.1.2	3H.5.1.2
2.2.2.1.3	3H.5.1.3
2.2.2.1.4	3H.5.1.4
2.2.2.1.5	3H.5.1.5
2.2.2.2	3H.5.2
2.2.2.2.1	3H.5.2.1
2.2.2.2.2	3H.5.2.2
2.2.2.3	3H.5.3
2.2.2.3.1	3H.5.3.1
2.2.2.4	3H.5.4
2.2.2.5	3H.5.5
2.2.2.5.1	3H.5.5.1
2.2.2.6	3H.5.6
2.2.2.6.1	3H.5.6.3
2.2.2.6.2	3H.5.6.3
2.2.2.6.3	3H.5.6.4
2.2.3	3H.1
2.2.4	3H.2 3H.3
2.2.4.1	3H.3.2
Table (T)2.2-1	Table 3H.5-2
T2.2-2	Table 3H.5-3
T2.2-3	Table 3H.5-4
T2.2-4	Table 3H.5-5
T2.2-5	Table 3H.5-6
T2.2-6	Table 3H.5-7
T2.2-7	N/A See DCD Subsection 3H.5.1.5 and Figure 3H.5-7

Crosswalk between TR-57 and DCD

Report Section, Table or Figure	DCD Section, Table, or Figure
T2.2-8	Table 3H.5-10
T2.2-9	Table 3H.5-11
T2.2-10	Table 3H.5-12
T2.2-11	Table 3H.5-13
T2.2-12	Table 3H.5-8 (Element numbers changed)
T2.2-13	Table 3H.5-9 (Design Changes)
T2.2-14	N/A See DCD Subsection 3H.5.1.4 and Figure 3H.5-5
T2.2-15	N/A See DCD Subsection 3H.5.1.4 and Figure 3H.5-5
F2.2-5	Figure 3H.5-2
F2.2-6	Figure 3H.5-3
F2.2-7	Figure 3H.5-4
F2.2-8	Figure 3H.5-12
F2.2-9	Figure 3H.5-5
F2.2-10	Figure 3H.5-7
F2.2-11	Figure 3H.5-6
F2.2-12	Figure 3H.5-8
F2.2-13	Figure 3H.5-9
F2.2-14	Figure 3.8.4-4
F2.2-15	Figure 3H.5-10
F2.2-16	N/A See DCD Subsection 3.7.2.3 for information on finite element modeling.
F2.2-17	N/A See DCD Subsection 3.7.2.3 for information on finite element modeling.
F2.2-18	Figure 3H.5-11
3.0	N/A
4.0	3.8.7

Revise Item 9.1-3 in Table 1.8-2 as follows:

Table 1.8-2 (Sheet 7 of 14)					
SUMMARY OF AP1000 STANDARD PLANT COMBINED LICENSE INFORMATION ITEMS					
Item No.	Subject	Subsection	Addressed by Westinghouse Document	Action Required by COL Applicant	Action Required by COL Holder
9.1-3	Spent Fuel Racks	9.1.6.3	APP-GW-GLR-033 APP-GW-GLR-045	No	No

Revise the first paragraph of Subsection 9.1.6.3 as follows:

9.1.6.3 Structural Dynamic and Stress Analysis for Spent Fuel Racks

The Combined License information requested in this subsection has been completely addressed in APP-GW-GLR-033 (Reference 18), and ~~APP-GW-GLR-045 (Reference 19)~~. The applicable changes are incorporated into the DCD. No additional work is required by the Combined License applicant.

Revise Item 19 in Subsection 9.1.7 "References" as follows:

19. ~~Not Used APP-GW-GLR-045, "Evaluation of Critical Structures," Westinghouse Electric Company LLC.~~