AP1000DCDFileNPEm Resource

From: Adams II, Samuel L. [adamssl@westinghouse.com]
Sent: Tuesday, May 06, 2008 3:06 PM
To: Michael Miernicki
Cc: Perry Buckberg; Rhonda Carmon
Subject: FW: RAI-SRP3.6.3-CIB1-01
Attachments: RAI-SRP3 6 3-CIB1-01.doc

Hi Mike,

I acknowledge receipt of the attached RAI on SRP Section 3.6.3.

I will let you know as soon as possible if a clarification call is necessary.

Thanks.

Sam

From: Michael Miernicki [mailto:Michael.Miernicki@nrc.gov]
Sent: Thursday, May 01, 2008 3:02 PM
To: Adams II, Samuel L.
Cc: Perry Buckberg; Rhonda Carmon
Subject: RAI-SRP3.6.3-CIB1-01

Sam, please see attached RAI, and let me know as soon as possible whether Westinghouse understands this question or if a conference call is necessary for any clarifications. Thanks.

Mike

Michael J. Miernicki
Project Manager
NRC/NRO/DNRL/NWE2
301-415-2304

Hearing Identifier: AP1000_DCD_Review
Email Number: 13

Mail Envelope Properties (9950B72C4C6D8D43958795C414DE477A05F2152E)

Subject: FW: RAI-SRP3.6.3-CIB1-01
Sent Date: 5/6/2008 3:05:34 PM
Received Date: 5/6/2008 3:05:50 PM
From: Adams II, Samuel L.

Created By: adamssl@westinghouse.com

Recipients:
"Perry Buckberg" <Perry.Buckberg@nrc.gov>
Tracking Status: None
"Rhonda Carmon" <Rhonda.Carmon@nrc.gov>
Tracking Status: None
"Michael Miernicki" <Michael.Miernicki@nrc.gov>
Tracking Status: None

Post Office: SWEC9910.w-intra.net

Files	**Size**	**Date & Time**
MESSAGE	686	5/6/2008 3:05:50 PM
RAI-SRP3 6 3-CIB1-01.doc	24128	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
Sensitivity: Normal
Expiration Date:
Recipients Received:

RAI-SRP3.6.3-CIB1-01
AP1000 COMBINED LICENSE TECHNICAL REPORT APP-GW-GLR-022, REVISION 1

By letter dated July 19, 2006, Westinghouse Electric Company, LLC (Westinghouse) submitted for staff review Report APP-GW-GLR-022, Revision 1 "AP1000 Leak-Before-Break Evaluation of As-Designed Piping," to provide justification for close out of Combined License (COL) Information Item 3.6-2 which requires an as-designed Leak-Before-Break (LBB) evaluation. Westinghouse proposed to reference APP-GW-GLR-022 as the LBB Evaluation Report in Tier 2, Section 3.6.4.2 of the AP1000 DCD, Revision 16. By referencing this report in the DCD, the portion of COL Information Item 3.6-2 requiring an as-designed LBB evaluation will be considered complete for COL applicants referencing the AP1000 DCD. Westinghouse proposed to revise Section 3.6.4.2 of the AP1000 DCD as follows:

> The Combined License information requested in this subsection has been completely addressed in APP-GW-GLR-022 (Reference 15), and the applicable changes are incorporated into the DCD. No additional work is required by the Combined License applicant.

The staff's evaluation of report APP-GW-GLR-022 is based on the piping stress analysis results using seismic loadings associated with an AP1000 plant situated on a hard-rock site. Because the seismic loadings for a plant situated on a soil site are likely to be higher than those for a plant situated on a hard-rock site, the LBB analyses for AP1000 plants situated on soil sites (or other sites other than hard-rock) would likely be affected. Thus, the staff's evaluation of the LBB analyses considered seismic loadings for hard-rock sites only.

As a result of this evaluation, the staff finds that the proposed change to Section 3.6.4.2 of the AP1000 DCD is applicable only to plants situated on a hard-rock-site. Staff requests Westinghouse to revise the AP1000 seismic design to include plants situated on other-than-hard-rock sites or revise the first paragraph of Section 3.6.4.2 as follows:

> The Combined License information requested in this subsection has been completely addressed in APP-GW-GLR-022 (Reference 15), *for AP1000 plants situated on hard-rock sites*, and the applicable changes are incorporated into the DCD. No additional work is required by the COL applicant *whose AP1000 plant is situated on a hard-rock site*. T*he AP1000 LBB evaluation results of the as-designed piping for other-than-hard-rock sites will be addressed by the COL applicant or in a later revision to the AP1000 DCD*.