AP1000DCDFileNPEm Resource

From: Loza, Paul G. [lozapg@westinghouse.com]
Sent: Wednesday, December 03, 2008 10:30 AM
To: Perry Buckberg
Cc: Rhonda Carmon
Subject: FW: RAI SRP 9.1.1-SRSB-05 (SFP Criticality)
Attachments: RAI SRP 9.1.1-SRSB-05.doc

Hi Perry,

I acknowledge receipt of the attached RAI SRP 9.1.1-SRSB-05 by Westinghouse.

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

Thanks.

Paul Loza

From: Perry Buckberg [mailto:Perry.Buckberg@nrc.gov]
Sent: Monday, December 01, 2008 10:31 AM
To: Loza, Paul G.
Cc: David Jaffe; Eileen McKenna
Subject: RAI SRP 9.1.1-SRSB-05 (SFP Criticality)

Paul,

New RAI SRP 9.1.1-SRSB-05 is attached. This RAI was discussed in a 10/29/2008 phone conference and more recently in weekly (Wednesday) phone conferences. The NRC feels that Westinghouse is familiar with our like position regarding the BVPS Spent Fuel Pool criticality analysis, referenced in part in RAI SRP 9.1.1-SRSB-05, and feels that the resolution for AP1000 can be pursued without repeating the same time consuming process as with BVPS. Please let me know if this is not the case.

Please acknowledge receipt of the attached and let me know ASAP if a phone conference will be needed.

Thanks,

Perry Buckberg
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Nuclear Regulatory Commission
Office of New Reactors
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Subject: FW: RAI SRP 9.1.1-SRSB-05 (SFP Criticality)
Sent Date: 12/3/2008 10:29:39 AM
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From: Loza, Paul G.

Created By: lozapg@westinghouse.com

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

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MESSAGE	1287	12/3/2008 10:29:45 AM
RAI SRP 9.1.1-SRSB-05.doc	25152	

Options
Priority: Standard
Return Notification: No
Reply Requested: No
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RAI SRP 9.1.1-SRSB-05

DCD Section 9.1.6.4 “Criticality Analysis for Spent Fuel Racks” references TR-65 **(**APP-GW-GLR-029), which utilizes the methodology described in WCAP 14416-NP-A. A 2001 NRC letter (ML012080337) states that WCAP 14416-NP-A can no longer be relied upon as “approved methodology”. The staff has found that the AP1000 methodology does not accurately calculate a spent fuel pool criticality analysis that meets 10CFR50.68.

Additionally, TR-65 relies on the same overall methodology used for multiple, recently submitted operating fleet spent fuel pool criticality analyses which were not accepted by the NRC. One example; a May 17, 2007 letter (ML071230037) issued an RAI against the June 14, 2006 Beaver Valley Power Station (BVPS) license amendment request. This BVPS RAI, and the process that followed, resulted in licensee commitments to work towards a license amendment that meets the requirements of 10CFR50.68. The NRC feels that Westinghouse is familiar with this spent fuel pool criticality analysis issue as it relates to BVPS and other utilities. The NRC requests Westinghouse re-submit the AP1000 spent fuel pool criticality analysis with a new methodology that meets 10CFR50.68.