

AP1000DCDFileNPEm Resource

From: Loza, Paul G. [lozapg@westinghouse.com]
Sent: Monday, March 09, 2009 1:03 PM
To: Perry Buckberg
Cc: Rhonda Carmon
Subject: Acknowledgement of : AP1000 RAIs RAI-SRP 5.2.1-EMB-04 and 05
Attachments: AP1000 DCD RAI SRP 5_2_1 EMB_04 EMB_05 .doc

Hi Perry,

I acknowledge receipt for Westinghouse of these two RAIs. I will let you know when a phone call is needed.

Thanks

Paul

From: Perry Buckberg [mailto:Perry.Buckberg@nrc.gov]
Sent: Monday, March 09, 2009 9:52 AM
To: Loza, Paul G.
Cc: Lindgren, Donald A.; David Jaffe; Eileen McKenna
Subject: AP1000 RAIs RAI-SRP 5.2.1-EMB-04 and 05

Paul,

Attached are two Revision 17 related RAIs based on SRP 5.2.1. Please acknowledge receipt 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: Acknowledgement of : AP1000 RAIs RAI-SRP 5.2.1-EMB-04 and 05
Sent Date: 3/9/2009 1:03:14 PM
Received Date: 3/9/2009 1:03:19 PM
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

Post Office: SWEC9966.w-intra.net

Files	Size	Date & Time
MESSAGE	745	3/9/2009 1:03:19 PM
AP1000 DCD RAI SRP 5_2_1 EMB_04 EMB_05 .doc		25664

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

RAI-SRP 5.2.1-EMB1-04

Revision 17 of the AP1000 DCD indicated that three new Code Cases were added to Table 5.2-3 as Code Cases used in AP1000 design. These code cases are N-655, "Use of SA-738, Grade B, for Metal Containment Vessels, Class MC, Section 11, Division 1", N-757, "Alternative Rules for Acceptability for Class 2 and 3 Valves, NPS 1 (DN25) and Smaller with Welded and Non-welded End Connections other than Flanges, Section III, Division 1", and N-759-1, "Alternative Rules for Determining Allowable External Pressure and Compressive Stresses for Cylinders, Cones, Spheres, and Formed Heads, Section III, Division 1". The staff requests that Westinghouse confirm whether these code cases are approved by the NRC in Regulatory Guide 1.84. If not, provide justification and reconciliation for using these code cases in the AP1000 design in accordance with the requirements of ASME Section III, NCA-1140.

It appears that the most recent versions of these code cases are identified as N-655-1, N-757-1 and N-759-2. A resolution would be for Westinghouse to apply the most recent code cases in Table 5.2-3 in compliance with 10CFR50.55a (b)(4).

RAI-SRP 5.2.1-EMB1-05

Revision 17 of the AP1000 DCD, Table 1-1 contains Tier 2* information requiring NRC approval for change. It appears that Table 5.2-3, "ASME Code Cases" also contains Tier 2* information as specified in the foot notes of the table. Westinghouse is requested to include Table 5.2-3, "ASME Code Cases" in Table 1-1 Tier 2* information.

The information: "2001 Edition of ASME Code, Section III, including 2002 Addenda" listed in Table 1-1 Tier 2* information requiring NRC approval for change, is incorrect and should be change to read: "1998 Edition of ASME Code, Section III, including 2000 Addenda". The change is necessary for consistency with the AP1000 baseline code of record that is 1998 Edition of ASME Section III, throughout and including 2000 Addenda as specified in Section 5.2.1.1, "Code compliance with 10CFR50.55a".