

From: "Sanchez, Edward" <esanch1@entergy.com>
To: "Perry Buckberg" <phb1@nrc.gov>
Date: 5/7/2007 4:46:05 PM
Subject: RE: FW: Pilgrim Fluence RAIs

Perry,

Thanks. I've passed it on. We should be able to support a call tomorrow 5/8 anytime after 10 am.

Ed

-----Original Message-----

From: Perry Buckberg [mailto:phb1@nrc.gov]
Sent: Monday, May 07, 2007 4:38 PM
To: Sanchez, Edward
Subject: Re: FW: Pilgrim Fluence RAIs

Ed,

I passed on you e-mail to the staff. Please pass on this preliminary response to Amendment 16 to your staff and we will talk.

Thanks,
Perry

For the TLAA on the axial weld failure probability. They came up with a limiting fluence of 8.48 ee18 for this TLAA, however it should be only 3.3 ee18. This was an error in the max fluence backcalculation report by Structural Integrity Associates, Inc. It resulted from them assuming an invalid limiting mean RT_NDT value for the axial weld failure probability. They pulled this number (172.4 deg. F) from the original BWRVIP-05 analysis. They should've used the number for the Pilgrim axial weld from the 3/7/2000 BWRVIP-05 SER supplement (114 deg. F). This is a simple error, however it invalidates their conclusions in all of their revised RV neutron embrittlement TLAA's because the use of correct mean RT_NDT value of 114 deg. F would result in the axial weld failure probability TLAA being the limiting TLAA for the fluence, and this limiting fluence value is lower (3.3 ee18) than what they used (4.12 ee18) from the SAI report. The limiting fluence value of 4.12 ee18 from the SAI report is for the P-T limits/ hydrotest TLAA. If they backcalculated the limiting fluence for the axial weld TLAA correctly, it would be 3.3 ee18, which would be the most limiting fluence for all TLAA's (as opposed to 4.12 ee18 from the P-T limits TLAA).

Thanks,
Perry Buckberg
Project Manager - Division of License Renewal
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fax: (301)415-3031
phb1@nrc.gov
>>> "Sanchez, Edward" <esanch1@entergy.com> 05/07/07 3:27 PM >>>
Perry,

Does the response below adequately answer the question you asked this morning regarding reference temperature?

Ed Sanchez
Pilgrim Licensing

-----Original Message-----

From: Timothy J. Griesbach [mailto:Tgriesbach@Structint.com]
Sent: Monday, May 07, 2007 2:33 PM
To: Sanchez, Edward
Subject: RE: Pilgrim Fluence RAIs

Ed,

The reference temperatures for axial and circumferential welds came from the NRC SER for VIP-05. However, VIP-05 only applies for 32 EFPY. Table 2.6-5 of the SER and VIP-74A apply for license renewal up to 64 EFPY. That's why the numbers are different.

I am available for a call anytime tomorrow after 10:00 a.m. EST.

Tim

Tim Griesbach
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Subject: RE: FW: Pilgrim Fluence RAIs
Creation Date 5/7/2007 4:45:22 PM
From: "Sanchez, Edward" <esanch1@entergy.com>

Created By: esanch1@entergy.com

Recipients

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MESSAGE	2823	5/7/2007 4:45:22 PM
Mime.822	4969	

Options

Expiration Date: None
Priority: Standard
ReplyRequested: No
Return Notification: None

Concealed Subject: No
Security: Standard

Junk Mail Handling Evaluation Results

Message is eligible for Junk Mail handling
This message was not classified as Junk Mail

Junk Mail settings when this message was delivered

Junk Mail handling disabled by User
Junk Mail handling disabled by Administrator
Junk List is not enabled
Junk Mail using personal address books is not enabled
Block List is not enabled