

ArevaEPRDCPEm Resource

From: Hearn, Peter
Sent: Thursday, May 02, 2013 4:38 PM
To: WILLIFORD Dennis (AREVA)
Cc: Snyder, Amy
Subject: FW: Advanced RAI Responses with NRC Comments Due in the Next Month

Dennis,

Below are the comments for 9.1.2-40, 9.1.2 41 and 9.1.3 -14.

Pete

From: Hernandez, Raul
Sent: Thursday, May 02, 2013 3:02 PM
To: Hearn, Peter; Curran, Gordon
Cc: Lee, Samuel; McKenna, Eileen
Subject: RE: Advanced RAI Responses with NRC Comments Due in the Next Month

Gordon, below, I discussed my evaluation of the EPR Advance responses that we have today. Some of these questions impact your area of review. Please review my comments and let me know if you share my concerns and if I missed providing comments of any other RAI that impact my area of review.

Raul Hernandez

Reactor Systems Engineer
Office of New Reactors (NRO)
Division of Safety Systems & Risk Assessment (DSRA)
Balance Of Plant and Fire Protection Branch (BPFP)

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RAI 526 Question 09.01.02-40:

- Response acceptable

RAI 526 Question 09.01.02-41(a):

- The response states that a draindown of the SFP is not a credible scenario because it would require the failure of several seismic Category I boundaries. The applicant proposed to revise U.S. EPR FSAR Tier 2, Section 9.1.4.2.1, to include the requirement that a minimum of two safety-related, Seismic Category I, barriers are closed while there is no cask attached to the SFCTF. The SFCTF is a unique system that has the potential to impact the SFP water level, unlike the typical cask loading pit. These seismic barriers have a higher safety significance than typical gates. The applicant has classified four safety related and Seismic Category I barriers, consequently, the requirement to ensure that a minimum of two safety-related, Seismic Category I, barriers are closed should be added to Tier 1 and a Surveillance requirement should be added to the SFP TS.

- The response states that “[w]hen the spent fuel cask transfer facility (SFCTF) is not operational, the CLP is normally empty and isolated from the SFP by a safety-related, Seismic Category I slot and swivel gate.” DCD Section 9.1.3.2. states that “[t]he SFP makeup water, approximately 50,000 gallons, is maintained in the cask loading pit or the transfer compartment (or both) which are both Seismic Category I structures adjacent to the SFP. Additionally, operational experience has shown that keeping the pit dry accelerates the degradation of the seals. These two statements present an apparent inconsistency between the RAI response and the DCD.

RAI 526 Question 09.01.02-41(b):

- Response makes reference to RAI response RAI 526, Question 09.01.02-40 (Response acceptable) and RAI 525, Question 09.01.04-22.
- Response acceptable pending resolution of RAI 525, Question 09.01.04-22.

RAI 526 Question 09.01.03-14:

- Response acceptable

From: Hearn, Peter
Sent: Monday, April 29, 2013 3:05 PM
To: Curran, Gordon; Hernandez, Raul; Istar, Ata
Subject: FW: Advanced RAI Responses with NRC Comments Due in the Next Month

AREVA is expecting comments by 5/1 and 5/17. Can you comply?

Pete

From: WILLIFORD Dennis (AREVA) [<mailto:Dennis.Williford@areva.com>]
Sent: Monday, April 29, 2013 2:47 PM
To: Snyder, Amy
Cc: GUCWA Len (EXTERNAL AREVA); VANCE Brian (AREVA); LEIGHLITER John (AREVA); Hearn, Peter; Gleaves, Bill; KOWALSKI David (AREVA)
Subject: Advanced RAI Responses with NRC Comments Due in the Next Month

Amy,
 Listed below is an updated summary of Advanced RAI responses in which we have requested complete NRC staff feedback in order to keep our final response commitment dates. Highlighted in yellow are those RAI questions which we are expecting final NRC feedback this week.

(1) RAI 525, Question 09.01.04-22 - ADVANCED RESPONSE sent on 03/15/13 -
 Requested NRC Comments by May 1st

(2) RAI 525, Question 09.01.04-24 - ADVANCED RESPONSE sent on 03/15/13 -
 Requested NRC Comments by May 1st

(3) RAI 525, Question 09.01.04-25 - ADVANCED RESPONSE sent on 03/15/13 -
 Requested NRC Comments by May 1st

- (4) RAI 525, Question 09.01.04-26 - ADVANCED RESPONSE sent on 03/15/13 -
Requested NRC Comments by May 1st
- (5) RAI 525, Question 09.01.04-30 - ADVANCED RESPONSE sent on 03/15/13 -
Requested NRC Comments by May 1st
- (6) RAI 526, Question 09.01.02-40 - ADVANCED RESPONSE sent on 03/13/13 -
Requested NRC Comments by May 1st
- (7) RAI 526, Question 09.01.02-41 - ADVANCED RESPONSE sent on 03/13/13 -
Requested NRC Comments by May 1st
- (8) RAI 526, Question 09.01.03-14 - ADVANCED RESPONSE sent on 03/13/13 -
Requested NRC Comments by May 1st
- (9) RAI 525, Question 09.01.04-31 - ADVANCED RESPONSE sent on 04/26/13 -
Requested NRC Comments by May 17th
- (10) RAI 525, Question 09.01.04-33 - ADVANCED RESPONSE sent on 04/26/13 -
Requested NRC Comments by May 17th
- (11) RAI 525, Question 09.01.04-36 - ADVANCED RESPONSE sent on 04/26/13 -
Requested NRC Comments by May 17th
- (12) RAI 525, Question 09.01.04-37 - ADVANCED RESPONSE sent on 04/26/13 -
Requested NRC Comments by May 17th
- (13) RAI 534, Question 09.01.04-39 - ADVANCED RESPONSE sent on 04/26/13 -
Requested NRC Comments by May 17th
- (14) RAI 574, Question 06.02.05-33 - ADVANCED RESPONSE sent on 04/11/13 -
Requested NRC Comments by May 18th
- (15) RAI 574, Question 06.02.05-34 - ADVANCED RESPONSE sent on 04/11/13 -
Requested NRC Comments by May 18th

Please give me a call if you have questions on any of these.

Thanks,
Dennis

Dennis Williford, P.E.
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Mail Envelope Properties (E3D0DF334F617344BE38EB00C881B1B3B66A66C9D3)

Subject: FW: Advanced RAI Responses with NRC Comments Due in the Next Month
Sent Date: 5/2/2013 4:38:00 PM
Received Date: 5/2/2013 4:38:01 PM
From: Hearn, Peter

Created By: Peter.Hearn@nrc.gov

Recipients:
"Snyder, Amy" <Amy.Snyder@nrc.gov>
Tracking Status: None
"WILLIFORD Dennis (AREVA)" <Dennis.Williford@areva.com>
Tracking Status: None

Post Office: HQCLSTR01.nrc.gov

Files	Size	Date & Time
MESSAGE	6574	5/2/2013 4:38:01 PM

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