

ArevaEPRDCPEm Resource

From: WILLIFORD Dennis (AREVA) [Dennis.Williford@areva.com]
Sent: Thursday, June 23, 2011 1:53 PM
To: Tesfaye, Getachew
Cc: BENNETT Kathy (AREVA); DELANO Karen (AREVA); ROMINE Judy (AREVA); RYAN Tom (AREVA); CORNELL Veronica (EXTERNAL AREVA)
Subject: Response to U.S. EPR Design Certification Application RAI No. 291, FSAR Ch. 3, Supplement 8
Attachments: RAI 291 Supplement 8 Response US EPR DC.pdf

Getachew,

AREVA NP Inc. (AREVA NP) provided responses to 1 of the 19 questions of RAI No. 291 on October 19, 2009. AREVA NP submitted Supplement 1 to the response on January 7, 2010, providing a revised schedule for the remaining 18 questions. AREVA NP submitted Supplement 2 to the response on January 19, 2010, to address 1 of the remaining 18 questions. AREVA NP submitted Supplement 3 to the response on February 11, 2010, to address 10 of the remaining 17 questions. AREVA NP submitted Supplement 4 to the response on March 11, 2010, to address 4 of the remaining 7 questions. AREVA NP submitted Supplement 5 to the response on March 19, 2010 to address 1 of the remaining 3 questions. AREVA NP submitted Supplement 6 to the response on May 12, 2010, to address the remaining 3 questions. On July 30, 2010, AREVA NP submitted Supplement 7 to provide revised final responses Question 03.07.02-61 and Question 03.07.02-62.

The response to Question 03.07.01-26 is superseded by the response to RAI 320 Question 03.07.02-63. The attached file, "RAI 291 Supplement 8 Response US EPR DC.pdf" provides a revised response to Question 03.07.01-26.

The following table indicates the respective pages in the response document, "RAI 291 Supplement 8 Response US EPR DC.pdf," that contain AREVA NP's revised response to the subject question.

Question #	Start Page	End Page
RAI 291 — 03.07.01-26	2	2

This concludes the formal AREVA NP response to RAI 291, and there are no questions from this RAI for which AREVA NP has not provided responses.

Sincerely,

Dennis Williford, P.E.
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
7207 IBM Drive, Mail Code CLT 2B
Charlotte, NC 28262
Phone: 704-805-2223
Email: Dennis.Williford@areva.com

From: BRYAN Martin (EXT)
Sent: Friday, July 30, 2010 4:56 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); CORNELL Veronica (EXT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 291, FSAR Ch. 3, Supplement 7

Getachew,

AREVA NP Inc. (AREVA NP) provided responses to 1 of the 19 questions of RAI No. 291 on October 19, 2009. AREVA NP submitted Supplement 1 to the response on January 7, 2010, providing a revised schedule for the remaining 18 questions. AREVA NP submitted Supplement 2 to the response on January 19, 2010, to address 1 of the remaining 18 questions. AREVA NP submitted Supplement 3 to the response on February 11, 2010, to address 10 of the remaining 17 questions. AREVA NP submitted Supplement 4 to the response on March 11, 2010, to address 4 of the remaining 7 questions. AREVA NP submitted Supplement 5 to the response on March 19, 2010 to address 1 of the remaining 3 questions. AREVA NP submitted Supplement 6 to the response on May 12, 2010, to address the remaining 3 questions.

As a result of the civil/structural re-planning activities, the attached file, "RAI 291 Supplement 7 Response US EPR DC.pdf" provides revised responses to Question 03.07.02-61 and Question 03.07.02-62.

The following table indicates the respective pages in the response document, "RAI 291 Supplement 7 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 291 — 03.07.02-61	2	2
RAI 291 — 03.07.02-62	3	3

This concludes the formal AREVA NP response to RAI 291, and there are no questions from this RAI for which AREVA NP has not provided responses.

Sincerely,

Martin (Marty) C. Bryan
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
Tel: (434) 832-3016
702 561-3528 cell
Martin.Bryan.ext@areva.com

From: BRYAN Martin (EXT)
Sent: Wednesday, May 12, 2010 10:57 AM
To: Tesfaye, Getachew
Cc: DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); VAN NOY Mark (EXT); GARDNER George Darrell (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 291, FSAR Ch. 3, Supplement 6

Getachew,

AREVA NP Inc. (AREVA NP) provided responses to 1 of the 19 questions of RAI No. 291 on October 19, 2009. AREVA NP submitted Supplement 1 to the response on January 7, 2010 providing a revised schedule for the remaining 18 questions. AREVA NP submitted Supplement 2 to the response on January 19, 2010 to address 1 of the remaining 18 questions. AREVA NP submitted Supplement 3 to the response on February 11, 2010 to address 10 of the remaining 17 questions. AREVA NP submitted Supplement 4 to the response on March 11, 2010 to address 4 of the remaining 7 questions. AREVA NP submitted Supplement 5 to the response on March 19, 2010 to address 1 of the remaining 3 questions. The attached file, "RAI 291 Supplement 6 Response US EPR DC.pdf" provides technically correct and complete responses to 2 of the remaining 2 questions as committed.

The following table indicates the respective pages in the response document, "RAI 291 Supplement 6 Response US EPR DC.pdf," that contain AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 291 — 03.10-24	2	2
RAI 291 — 03.10-26	3	3

This concludes the formal AREVA NP response to RAI 291, and there are no questions from this RAI for which AREVA NP has not provided responses.

Sincerely,

Martin (Marty) C. Bryan
U.S. EPR Design Certification Licensing Manager
AREVA NP Inc.
Tel: (434) 832-3016
702 561-3528 cell
Martin.Bryan.ext@areva.com

From: BRYAN Martin (EXT)
Sent: Friday, March 19, 2010 3:55 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); ROMINE Judy (AREVA NP INC); VAN NOY Mark (EXT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 291, FSAR Ch. 3, Supplement 5

Getachew,

AREVA NP Inc. (AREVA NP) provided responses to 1 of the 19 questions of RAI No. 291 on October 19, 2009. AREVA NP submitted Supplement 1 to the response on January 7, 2010 providing a revised schedule for the remaining 18 questions. AREVA NP submitted Supplement 2 to the response on January 19, 2010 to address 1 of the remaining 18 questions. AREVA NP submitted Supplement 3 to the response on February 11, 2010 to address 10 of the remaining 17 questions. AREVA NP submitted Supplement 4 to the response on March 11, 2010 to address 4 of the remaining 7 questions. The attached file, "RAI 291 Supplement 5 Response US EPR DC.pdf" provides technically correct and complete responses to 1 of the remaining 3 questions as committed.

The following table indicates the respective pages in the response document, "RAI 291 Supplement 5 Response US EPR DC.pdf," that contain AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 291 — 03.02.01-11	2	3

The schedule for technically correct and complete responses to the remaining 2 questions is unchanged and provided below:

Question #	Response Date
RAI 291 — 03.10-24	May 12, 2010
RAI 291 — 03.10-26	May 12, 2010

Sincerely,

Martin (Marty) C. Bryan
Licensing Advisory Engineer
AREVA NP Inc.
Tel: (434) 832-3016
Martin.Bryan.ext@areva.com

From: BRYAN Martin (EXT)
Sent: Thursday, March 11, 2010 6:40 PM
To: 'Tefaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); ROMINE Judy (AREVA NP INC); VAN NOY Mark (EXT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 291, FSAR Ch. 3, Supplement 4

Getachew,

AREVA NP Inc. (AREVA NP) provided responses to 1 of the 19 questions of RAI No. 291 on October 19, 2009. AREVA NP submitted Supplement 1 to the response on January 7, 2010 providing a revised schedule for the remaining 18 questions. AREVA NP submitted Supplement 2 to the response on January 19, 2010 to address 1 of the remaining 18 questions. AREVA NP submitted Supplement 3 to the response on February 11, 2010 to address 10 of the remaining 17 questions. The attached file, "RAI 291 Supplement 4 Response US EPR DC.pdf" provides technically correct and complete responses to 4 of the remaining 7 questions.

The commitment dates for responding to Questions 03.10-24 and 03.10-26 have been changed to May 12, 2010. Question 03.02.01-11 is deferred to allow additional time to finalize response. Question 03.10-24 is deferred to assess potential impact on other sections of the U.S. EPR FSAR. Question 03.10-25 is deferred to allow additional time to finalize response.

Appended to this file are affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which support the response to RAI 291 Questions 03.07.02-60, 03.09.05-24, 03.09.05-25, and 03.10-27.

The following table indicates the respective pages in the response document, "RAI 291 Supplement 4 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 291 — 03.07.02-60	2	3
RAI 291 — 03.09.05-24	4	4
RAI 291 — 03.09.05-25	5	5
RAI 291 — 03.10-27	6	6

The schedule for technically correct and complete responses to the remaining 3 questions has been changed and is provided below:

Question #	Response Date
RAI 291 — 03.02.01-11	March 19, 2010
RAI 291 — 03.10-24	May 12, 2010
RAI 291 — 03.10-26	May 12, 2010

Sincerely,

Martin (Marty) C. Bryan
Licensing Advisory Engineer
AREVA NP Inc.
Tel: (434) 832-3016
Martin.Bryan.ext@areva.com

From: DUNCAN Leslie E (AREVA NP INC)
Sent: Thursday, February 11, 2010 10:03 PM
To: 'Tsfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); ROMINE Judy (AREVA NP INC); VAN NOY Mark (EXT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 291, FSAR Ch. 3, Supplement 3

Getachew,

AREVA NP Inc. (AREVA NP) provided responses to 1 of the 19 questions of RAI No. 291 on October 19, 2009. AREVA NP submitted Supplement 1 to the response on January 7, 2010 providing a revised schedule for the remaining 18 questions. AREVA NP submitted Supplement 2 to the response on January 19, 2010 to address 1 of the remaining 18 questions. The attached file, "RAI 291 Supplement 3 Response US EPR DC.pdf" provides technically correct and complete responses to 10 of the remaining 17 questions.

The commitment dates for responding to Questions 03.09.05-24, 03.09.05-25, 03.10-24, and 03.10-26 have been changed to March 11, 2010 because of interdependency with other design work. The response for Question 03.07.02-61, which had a commitment date of March 11, 2010, is being provided ahead of schedule in this supplement, Supplement 3.

Appended to this file are affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which support the response to RAI 291 Questions 03.07.02-62, 03.09.05-26, 03.10-28, and 03.10-30.

The following table indicates the respective pages in the response document, "RAI 291 Supplement 3 Response US EPR DC.pdf" that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 291 — 03.07.01-26	2	2
RAI 291 — 03.07.02-61	3	3
RAI 291 — 03.07.02-62	4	5
RAI 291 — 03.09.05-23	6	6
RAI 291 — 03.09.05-26	7	7
RAI 291 — 03.09.05-27	8	8
RAI 291 — 03.10-25	9	9
RAI 291 — 03.10-28	10	10
RAI 291 — 03.10-29	11	11
RAI 291 — 03.10-30	12	13

The schedule for technically correct and complete responses to the remaining 7 questions has been changed and is provided below:

Question #	Response Date
RAI 291 — 03.02.01-11	March 11, 2010
RAI 291 — 03.07.02-60	March 11, 2010
RAI 291 — 03.09.05-24	March 11, 2010

RAI 291 — 03.09.05-25	March 11, 2010
RAI 291 — 03.10-24	March 11, 2010
RAI 291 — 03.10-26	March 11, 2010
RAI 291 — 03.10-27	March 11, 2010

Sincerely,

Les Duncan
Licensing Engineer
AREVA NP Inc.
An AREVA and Siemens Company
Tel: (434) 832-2849
Leslie.Duncan@areva.com

From: DUNCAN Leslie E (AREVA NP INC)
Sent: Tuesday, January 19, 2010 12:02 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); VAN NOY Mark (EXT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 291, FSAR Ch. 3, Supplement 2

Getachew,

AREVA NP Inc. (AREVA NP) provided responses to 1 of the 19 questions of RAI No. 291 on October 19, 2009. AREVA NP submitted Supplement 1 to the response on January 7, 2010 providing a schedule for the remaining 18 questions. The attached file, "RAI 291 Supplement 2 Response US EPR DC.pdf" provides a technically correct and complete response to 1 of the remaining 18 questions, as committed.

The following table indicates the respective pages in the response document, "RAI 291 Supplement 2 Response US EPR DC.pdf," that contain AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 291 — 03.07.02-59	2	2

The schedule for technically correct and complete responses to the remaining 17 questions is unchanged and provided below:

Question #	Response Date
RAI 291 — 03.02.01-11	March 11, 2010
RAI 291 — 03.07.01-26	February 11, 2010
RAI 291 — 03.07.02-60	March 11, 2010
RAI 291 — 03.07.02-61	March 11, 2010
RAI 291 — 03.07.02-62	February 11, 2010
RAI 291 — 03.09.05-23	February 11, 2010
RAI 291 — 03.09.05-24	February 11, 2010
RAI 291 — 03.09.05-25	February 11, 2010
RAI 291 — 03.09.05-26	February 11, 2010
RAI 291 — 03.09.05-27	February 11, 2010
RAI 291 — 03.10-24	February 11, 2010
RAI 291 — 03.10-25	February 11, 2010
RAI 291 — 03.10-26	February 11, 2010
RAI 291 — 03.10-27	March 11, 2010
RAI 291 — 03.10-28	February 11, 2010

RAI 291 — 03.10-29	February 11, 2010
RAI 291 — 03.10-30	February 11, 2010

Sincerely,

Les Duncan
Licensing Engineer
AREVA NP Inc.
An AREVA and Siemens Company
Tel: (434) 832-2849
Leslie.Duncan@areva.com

From: Pederson Ronda M (AREVA NP INC)
Sent: Thursday, January 07, 2010 5:31 PM
To: 'Tesfaye, Getachew'
Cc: BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); VAN NOY Mark (EXT)
Subject: Response to U.S. EPR Design Certification Application RAI No. 291, FSAR Ch. 3, Supplement 1

Getachew,

AREVA NP Inc. (AREVA NP) provided a response to 1 of the 19 questions of RAI No. 291 on October 19, 2009.

Due to changes in engineering design approaches and supporting documents, holiday work schedules, and the volume of requests for additional information, responses for the remaining 18 questions are delayed.

The schedule for technically correct and complete responses to the remaining 18 questions has been changed and is provided below:

Question #	Response Date
RAI 291 — 03.02.01-11	March 11, 2010
RAI 291 — 03.07.01-26	February 11, 2010
RAI 291 — 03.07.02-59	January 21, 2010
RAI 291 — 03.07.02-60	March 11, 2010
RAI 291 — 03.07.02-61	March 11, 2010
RAI 291 — 03.07.02-62	February 11, 2010
RAI 291 — 03.09.05-23	February 11, 2010
RAI 291 — 03.09.05-24	February 11, 2010
RAI 291 — 03.09.05-25	February 11, 2010
RAI 291 — 03.09.05-26	February 11, 2010
RAI 291 — 03.09.05-27	February 11, 2010
RAI 291 — 03.10-24	February 11, 2010
RAI 291 — 03.10-25	February 11, 2010
RAI 291 — 03.10-26	February 11, 2010
RAI 291 — 03.10-27	March 11, 2010
RAI 291 — 03.10-28	February 11, 2010
RAI 291 — 03.10-29	February 11, 2010
RAI 291 — 03.10-30	February 11, 2010

Sincerely,

Ronda Pederson

ronda.pederson@areva.com

Licensing Manager, U.S. EPR Design Certification

AREVA NP Inc.

An AREVA and Siemens company

3315 Old Forest Road

Lynchburg, VA 24506-0935

Phone: 434-832-3694

Cell: 434-841-8788

From: Pederson Ronda M (AREVA NP INC)

Sent: Monday, October 19, 2009 6:54 PM

To: 'Tesfaye, Getachew'

Cc: BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); VAN NOY Mark (EXT)

Subject: Response to U.S. EPR Design Certification Application RAI No. 291, FSAR Ch. 3

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 291 Response US EPR DC.pdf," provides a technically correct and complete response to 1 of the 19 questions.

Appended to this file are affected pages of the U.S. EPR Final Safety Analysis Report in redline-strikeout format which support the response to RAI 291 Question 03.07.03-36

The following table indicates the respective page in the response document, "RAI 291 Response US EPR DC.pdf," that contains AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 291 — 03.02.01-11	2	2
RAI 291 — 03.07.01-26	3	3
RAI 291 — 03.07.02-59	4	4
RAI 291 — 03.07.02-60	5	5
RAI 291 — 03.07.02-61	6	6
RAI 291 — 03.07.02-62	7	7
RAI 291 — 03.07.03-36	8	9
RAI 291 — 03.09.05-23	10	10
RAI 291 — 03.09.05-24	11	11
RAI 291 — 03.09.05-25	12	12
RAI 291 — 03.09.05-26	13	13
RAI 291 — 03.09.05-27	14	14
RAI 291 — 03.10-24	15	15
RAI 291 — 03.10-25	16	16
RAI 291 — 03.10-26	17	17
RAI 291 — 03.10-27	18	18
RAI 291 — 03.10-28	19	19
RAI 291 — 03.10-29	20	20

RAI 291 — 03.10-30	21	21
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A complete answer is not provided for 18 of the 19 questions. The schedule for a technically correct and complete response to these questions is provided below.

Question #	Response Date
RAI 291 — 03.02.01-11	January 7, 2010
RAI 291 — 03.07.01-26	January 7, 2010
RAI 291 — 03.07.02-59	January 7, 2010
RAI 291 — 03.07.02-60	January 7, 2010
RAI 291 — 03.07.02-61	January 7, 2010
RAI 291 — 03.07.02-62	January 7, 2010
RAI 291 — 03.09.05-23	January 7, 2010
RAI 291 — 03.09.05-24	January 7, 2010
RAI 291 — 03.09.05-25	January 7, 2010
RAI 291 — 03.09.05-26	January 7, 2010
RAI 291 — 03.09.05-27	January 7, 2010
RAI 291 — 03.10-24	January 7, 2010
RAI 291 — 03.10-25	January 7, 2010
RAI 291 — 03.10-26	January 7, 2010
RAI 291 — 03.10-27	January 7, 2010
RAI 291 — 03.10-28	January 7, 2010
RAI 291 — 03.10-29	January 7, 2010
RAI 291 — 03.10-30	January 7, 2010

Sincerely,

Ronda Pederson

ronda.pederson@areva.com

Licensing Manager, U.S. EPR Design Certification

AREVA NP Inc.

An AREVA and Siemens company

3315 Old Forest Road

Lynchburg, VA 24506-0935

Phone: 434-832-3694

Cell: 434-841-8788

From: Tesfaye, Getachew [mailto:Getachew.Tesfaye@nrc.gov]

Sent: Thursday, September 17, 2009 7:43 AM

To: ZZ-DL-A-USEPR-DL

Cc: Wong, Yuken; Chakravorty, Manas; Chen, Pei-Ying; Dixon-Herrity, Jennifer; Samaddar, Sujit; Hawkins, Kimberly; Miernicki, Michael; Patel, Jay; Colaccino, Joseph; ArevaEPRDCPEm Resource

Subject: U.S. EPR Design Certification Application RAI No. 291(3616,3691,3706,3707,3685,3703), FSAR Ch. 3

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on September 10, 2009, and on September 16, 2009, you informed us that the RAI is clear and no further clarification is needed. As a result, no change is made to the draft RAI. The schedule we have established for review of your application assumes technically correct and complete responses within 30 days of receipt of RAIs. For any RAIs that cannot be answered within 30 days, it is expected that a date for receipt of this

information will be provided to the staff within the 30 day period so that the staff can assess how this information will impact the published schedule.

Thanks,
Getachew Tesfaye
Sr. Project Manager
NRO/DNRL/NARP
(301) 415-3361

Hearing Identifier: AREVA_EPR_DC_RAIs
Email Number: 3148

Mail Envelope Properties (2FBE1051AEB2E748A0F98DF9EEE5A5D47AEE19)

Subject: Response to U.S. EPR Design Certification Application RAI No. 291, FSAR Ch.
3, Supplement 8
Sent Date: 6/23/2011 1:53:29 PM
Received Date: 6/23/2011 1:53:35 PM
From: WILLIFORD Dennis (AREVA)

Created By: Dennis.Williford@areva.com

Recipients:

"BENNETT Kathy (AREVA)" <Kathy.Bennett@areva.com>

Tracking Status: None

"DELANO Karen (AREVA)" <Karen.Delano@areva.com>

Tracking Status: None

"ROMINE Judy (AREVA)" <Judy.Romine@areva.com>

Tracking Status: None

"RYAN Tom (AREVA)" <Tom.Ryan@areva.com>

Tracking Status: None

"CORNELL Veronica (EXTERNAL AREVA)" <Veronica.Cornell.ext@areva.com>

Tracking Status: None

"Tsfaye, Getachew" <Getachew.Tsfaye@nrc.gov>

Tracking Status: None

Post Office: auscharm02.adom.ad.corp

Files	Size	Date & Time
MESSAGE	21082	6/23/2011 1:53:35 PM
RAI 291 Supplement 8 Response US EPR DC.pdf		65289

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received:

Response to
Request for Additional Information No. 291 (3616, 3691, 3706, 3707, 3685, 3703),
Revision 1, Supplement 8

9/10/2009

U.S. EPR Standard Design Certification
AREVA NP Inc.
Docket No. 52-020
SRP Section: 03.02.01 - Seismic Classification
SRP Section: 03.07.01 - Seismic Design Parameters
SRP Section: 03.07.02 - Seismic System Analysis
SRP Section: 03.07.03 - Seismic Subsystem Analysis
SRP Section: 03.09.05 - Reactor Pressure Vessel Internals
SRP Section: 03.10 - Seismic and Dynamic Qualification of Mechanical and
Electrical Equipment
Application Section: EPR FSAR Section 3.10

QUESTIONS for Engineering Mechanics Branch 2 (ESBWR/ABWR Projects)
(EMB2)
QUESTIONS for Structural Engineering Branch 2 (ESBWR/ABWR Projects) (SEB2)

Question 03.07.01-26:

Follow-up Question 03.07.01-19 (Audit follow-up)

The commentary for Section 3.3.1.9 of ASCE 4-98 states that effect of embedment on structure behavior is to increase resonant frequencies and *usually* decrease structure response when compared with the same structure founded on the surface of the soil. The applicant is requested to provide the details of the parametric analyses that were performed including the definition of the input motion and how it was derived for the embedded model. The applicant is also requested to provide the results from the parametric studies and compare these with the results for the surface founded NI common basemat structures.

Response to Question 03.07.01-26:

The response to this question is superseded by the Response to RAI 320, Question 03.07.02-63.

FSAR Impact:

The U.S. EPR FSAR will not be changed as a result of this question.