ArevaEPRDCPEm Resource

From: BRYAN Martin (EXTERNAL AREVA) [Martin.Bryan.ext@areva.com]
Sent: Monday, December 06, 2010 11:53 AM
To: Tesfaye, Getachew
Cc: DELANO Karen (AREVA); ROMINE Judy (AREVA); BENNETT Kathy (AREVA); NOXON David (AREVA); RYAN Tom (AREVA)
Subject: Response to U.S. EPR Design Certification Application RAI No. 349, FSAR Ch. 19 OPEN ITEM, Supplement 9

Getachew,

AREVA NP Inc. provided a schedule for a technically correct and complete response to RAI No. 349 on February 17, 2010. AREVA NP submitted Supplement 1 to the response on March 31, 2010, providing an updated schedule for the responses. AREVA NP submitted Supplement 2 to the response on April 30, 2010, to provide technically correct and complete responses to 2 of the 6 questions and a revised schedule for the remaining 4 questions. AREVA NP submitted Supplement 3 to the response on May 24, 2010, Supplement 4 on June 14, 2010, Supplement 5 on July 20, 2010 and Supplement 6 on August 20, 2010 providing an updated schedule for the responses. AREVA NP submitted Supplement 7 to the response on September 24, 2010 providing technically correct and complete responses to 2 of the 4 remaining questions and a revised schedule for the 2 remaining questions. Supplement 8 on October 26, 2010 provided a revised schedule for the two remaining questions.

The schedule for the remaining two questions is being changed to allow more time for resolution of NRC comments. The revised schedule for technically correct and complete responses to the 2 remaining questions is provided below:

Question #	Response Date
RAI 349 — 19-334	January 17, 2011
RAI 349 — 19-335	January 17, 2011

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 (External RS/NB)
Sent: Tuesday, October 26, 2010 7:30 AM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); NOXON David (RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 349, FSAR Ch. 19 OPEN ITEM, Supplement 8

Getachew,

AREVA NP Inc. provided a schedule for a technically correct and complete response to RAI No. 349 on February 17, 2010. AREVA NP submitted Supplement 1 to the response on March 31, 2010, providing an

updated schedule for the responses. AREVA NP submitted Supplement 2 to the response on April 30, 2010, to provide technically correct and complete responses to 2 of the 6 questions and a revised schedule for the remaining 4 questions. AREVA NP submitted Supplement 3 to the response on May 24, 2010, Supplement 4 on June 14, 2010, Supplement 5 on July 20, 2010 and Supplement 6 on August 20, 2010 providing an updated schedule for the responses. AREVA NP submitted Supplement 7 to the response on September 24, 2010 providing technically correct and complete responses to 2 of the 4 remaining questions and a revised schedule for the 2 remaining questions

The schedule for the remaining two questions is being changed to allow more time for resolution of NRC comments. The revised schedule for technically correct and complete responses to the 2 remaining questions is provided below:

Question #	Response Date
RAI 349 — 19-334	**December 6, 2010**
RAI 349 — 19-335	**December 6, 2010**

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 (External RS/NB)
Sent: Thursday, September 23, 2010 8:40 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); NOXON David (RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 349, FSAR Ch. 19 OPEN ITEM, Supplement 7

Getachew,

AREVA NP Inc. provided a schedule for a technically correct and complete response to RAI No. 349 on February 17, 2010. AREVA NP submitted Supplement 1 to the response on March 31, 2010, providing an updated schedule for the responses. AREVA NP submitted Supplement 2 to the response on April 30, 2010, to provide technically correct and complete responses to 2 of the 6 questions and a revised schedule for the remaining 4 questions. AREVA NP submitted Supplement 3 to the response on May 24, 2010,Supplement 4 on June 14, 2010, Supplement 5 on July 20, 2010 and Supplement 6 on August 20, 2010 providing an updated schedule for the responses.

Proprietary and Non-proprietary versions of the response to RAI 349, Supplement 7 are provided via letter NRC 10:87. An affidavit to support withholding of information from public disclosure, per 10CFR2.390(b), is provided as an enclosure to that letter.

The following table indicates the respective pages in the response document, that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 349 — 19-332	**2**	**57**
RAI 349 — 19-333	**58**	**65**

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

RAI 349 — 19-334	**October 27, 2010**
RAI 349 — 19-335	**October 27, 2010**

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 (External RS/NB)
Sent: Friday, August 20, 2010 12:34 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen (RS/NB); ROMINE Judy (RS/NB); BENNETT Kathy (RS/NB); NOXON David (RS/NB)
Subject: Response to U.S. EPR Design Certification Application RAI No. 349, FSAR Ch. 19 OPEN ITEM, Supplement 6

Getachew,

AREVA NP Inc. provided a schedule for a technically correct and complete response to RAI No. 349 on February 17, 2010. AREVA NP submitted Supplement 1 to the response on March 31, 2010, providing an updated schedule for the responses. AREVA NP submitted Supplement 2 to the response on April 30, 2010, to provide technically correct and complete responses to 2 of the 6 questions and a revised schedule for the remaining 4 questions. AREVA NP submitted Supplement 3 to the response on May 24, 2010,Supplement 4 on June 14, 2010, and Supplement 5 on July 20, 2010 providing an updated schedule for the responses. AREVA NP Inc. provided draft responses for the four remaining questions on June 14, 2010.

The schedule for the four remaining questions is being revised to allow more time to interact with the NRC on review of the draft responses.

The schedule for technically correct and complete responses to the 4 remaining questions has been changed and is provided below:

Question #	Response Date
RAI 349 — 19-332	**September 23, 2010**
RAI 349 — 19-333	**September 23, 2010**
RAI 349 — 19-334	**September 23, 2010**
RAI 349 — 19-335	**September 23, 2010**

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: Tuesday, July 20, 2010 4:45 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); NOXON David B (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 349, FSAR Ch. 19 OPEN ITEM, Supplement 5

Getachew,

AREVA NP Inc. provided a schedule for a technically correct and complete response to RAI No. 349 on February 17, 2010. AREVA NP submitted Supplement 1 to the response on March 31, 2010, providing an updated schedule for the responses. AREVA NP submitted Supplement 2 to the response on April 30, 2010, to provide technically correct and complete responses to 2 of the 6 questions and a revised schedule for the remaining 4 questions. AREVA NP submitted Supplement 3 to the response on May 24, 2010, and Supplement 4 on June 14, 2010, providing an updated schedule for the responses. AREVA NP Inc. provided draft responses to the for the four remaining questions on June 14, 2010. Let me know if these responses can be submitted as final.

The schedule for the four remaining questions is being revised to allow more time for NRC review of the draft responses.

The schedule for technically correct and complete responses to the 4 remaining questions has been changed and is provided below:

Question #	Response Date
RAI 349 — 19-332	August 23, 2010
RAI 349 — 19-333	August 23, 2010
RAI 349 — 19-334	August 23, 2010
RAI 349 — 19-335	August 23, 2010

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: Monday, June 14, 2010 3:41 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); NOXON David B (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 349, FSAR Ch. 19 OPEN ITEM, Supplement 4

Getachew,

AREVA NP Inc. provided a schedule for a technically correct and complete response to RAI No. 349 on February 17, 2010. AREVA NP submitted Supplement 1 to the response on March 31, 2010, providing an updated schedule for the responses. AREVA NP submitted Supplement 2 to the response on April 30, 2010, to provide technically correct and complete responses to 2 of the 6 questions and a revised schedule for the remaining 4 questions. AREVA NP submitted Supplement 3 to the response on May 24, 2010, providing an updated schedule for the responses.

The schedule for the four remaining questions is being revised to allow time to interact with the NRC on the responses.

The schedule for technically correct and complete responses to the 4 remaining questions has been changed and is provided below:

Question #	Response Date
RAI 349 — 19-332	**July 21, 2010**
RAI 349 — 19-333	**July 21, 2010**
RAI 349 — 19-334	**July 21, 2010**
RAI 349 — 19-335	**July 21, 2010**

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: Monday, May 24, 2010 4:36 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); NOXON David B (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 349, FSAR Ch. 19 OPEN ITEM, Supplement 3

Getachew,

AREVA NP Inc. provided a schedule for a technically correct and complete response to RAI No. 349 on February 17, 2010. AREVA NP submitted Supplement 1 to the response on March 31, 2010, providing updated schedule for the responses. AREVA NP submitted Supplement 2 to the response on April 30, 2010, to provide technically correct and complete responses to 2 of the 6 questions and a revised schedule for the remaining 4 questions.

As agreed with the NRC, the schedule for the four remaining questions is being revised to allow time to discuss the proposed response with the NRC. A telecon was originally scheduled for May 19th to discuss the proposed responses but had to be rescheduled.

The schedule for technically correct and complete responses to the 4 remaining questions has been changed and is provided below:

Question #	Response Date
RAI 349 — 19-332	**June 21, 2010**
RAI 349 — 19-333	**June 21, 2010**
RAI 349 — 19-334	**June 21, 2010**
RAI 349 — 19-335	**June 21, 2010**

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, April 30, 2010 4:21 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); NOXON David B (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 349, FSAR Ch. 19 OPEN ITEM, Supplement 2

Getachew,

AREVA NP Inc. provided a schedule for a technically correct and complete response to RAI No. 349 on February 17, 2010. AREVA NP submitted Supplement 1 to the response on March 31, 2010, providing updated schedule for the responses. The attached file, "RAI 349 Supplement 2 Response US EPR DC" provides technically correct and complete responses to 2 of the 6 questions, as committed.

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 349 Questions 19-330 and 19-331.

The following table indicates the respective pages in the response document, "RAI 349 Supplement 2 Response US EPR DC," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 349 — 19-330	2	3
RAI 349 — 19-331	4	10

As agreed with NRC, the schedule for Question 19-333 is being revised to address NRC comments during the review of the draft response.

The schedule for technically correct and complete responses to the 4 remaining questions has been changed and is provided below:

Question #	Response Date
RAI 349 — 19-332	May 24, 2010
RAI 349 — 19-333	**May 24, 2010**
RAI 349 — 19-334	May 24, 2010
RAI 349 — 19-335	May 24, 2010

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, March 31, 2010 3:56 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); ROMINE Judy (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); NOXON David B (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 349, FSAR Ch. 19 OPEN ITEM, Supplement 1

Getachew,

AREVA NP Inc. provided a schedule for a technically correct and complete response to RAI No. 349 on February 17, 2010.

The schedule for Questions 19-330 and 19-331 is being revised to April 30, 2010 to allow for an opportunity to discuss the responses with the NRC.

The schedule for technically correct and complete responses to the 6 questions has been changed and provided below:

Question #	Response Date
RAI 349 — 19-330	**April 30, 2010**
RAI 349 — 19-331	**April 30, 2010**
RAI 349 — 19-332	May 24, 2010
RAI 349 — 19-333	April 30, 2010
RAI 349 — 19-334	May 24, 2010
RAI 349 — 19-335	May 24, 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: Wednesday, February 17, 2010 3:15 PM
To: 'Tesfaye, Getachew'
Cc: DELANO Karen V (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); ROMINE Judy (AREVA NP INC);

NOXON David B (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 349, FSAR Ch. 19 OPEN ITEM

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 349 Response US EPR DC.pdf," provides the schedule for technically correct and complete responses to these questions.

The following table indicates the respective pages in the response document, "RAI 349 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 349 — 19-330	2	2
RAI 349 — 19-331	3	3
RAI 349 — 19-332	4	5
RAI 349 — 19-333	6	6
RAI 349 — 19-334	7	7
RAI 349 — 19-335	8	8

The schedule for technically correct and complete responses to these questions is provided below.

Question #	Response Date
RAI 349 — 19-330	March 31, 2010
RAI 349 — 19-331	March 31, 2010
RAI 349 — 19-332	May 24, 2010
RAI 349 — 19-333	April 30, 2010
RAI 349 — 19-334	May 24, 2010
RAI 349 — 19-335	May 24, 2010

Sincerely,

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

From: Tesfaye, Getachew [mailto:Getachew.Tesfaye@nrc.gov]
Sent: Tuesday, January 26, 2010 3:33 PM
To: ZZ-DL-A-USEPR-DL
Cc: Phan, Hanh; Fuller, Edward; Clark, Theresa; Mrowca, Lynn; Chowdhury, Prosanta; Colaccino, Joseph; ArevaEPRDCPEm Resource
Subject: U.S. EPR Design Certification Application RAI No. 349 (4164, 4165),FSAR Ch. 19 OPEN ITEM

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on December 18, 2009, and discussed with your staff on January 19, 2010. Draft RAI Questions 19-333 and 19-335 were modified as a result of that discussion. The questions in this RAI are OPEN ITEMS in the safety evaluation report for Chapter 19 for Phases 2 and 3 reviews. As such, the schedule we have established for your application assumes technically correct and complete responses prior to the start of Phase 4 review. For any RAI that cannot be answered prior to the start of Phase 4 review, it is expected that a date

for receipt of this information will be provided so that the staff can assess how this information will impact the published schedule.

Thanks,

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

Hearing Identifier: AREVA_EPR_DC_RAIs
Email Number: 2334

Mail Envelope Properties (BC417D9255991046A37DD56CF597DB71085E1CB6)

Subject: Response to U.S. EPR Design Certification Application RAI No. 349, FSAR Ch. 19 OPEN ITEM, Supplement 9
Sent Date: 12/6/2010 11:52:34 AM
Received Date: 12/6/2010 11:54:01 AM
From: BRYAN Martin (EXTERNAL AREVA)

Created By: Martin.Bryan.ext@areva.com

Recipients:
"DELANO Karen (AREVA)" <Karen.Delano@areva.com>
Tracking Status: None
"ROMINE Judy (AREVA)" <Judy.Romine@areva.com>
Tracking Status: None
"BENNETT Kathy (AREVA)" <Kathy.Bennett@areva.com>
Tracking Status: None
"NOXON David (AREVA)" <David.Noxon@areva.com>
Tracking Status: None
"RYAN Tom (AREVA)" <Tom.Ryan@areva.com>
Tracking Status: None
"Tesfaye, Getachew" <Getachew.Tesfaye@nrc.gov>
Tracking Status: None

Post Office: AUSLYNCMX02.adom.ad.corp

Files	**Size**	**Date & Time**
MESSAGE	18185	12/6/2010 11:54:01 AM

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