

ArevaEPRDCPEm Resource

From: WELLS Russell D (AREVA NP INC) [Russell.Wells@areva.com]
Sent: Wednesday, December 16, 2009 5:45 PM
To: Tesfaye, Getachew
Cc: Pederson Ronda M (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); DUNCAN Leslie E (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 227, FSAR Ch 19, Supplement 5

Getachew,

The proprietary and non-proprietary versions of the response to RAI No. 227, Supplement 5 are submitted via AREVA NP Inc. letter, "Response to U.S. EPR Design Certification Application RAI No. 227, Supplement 5 " NRC 09:130, dated December 16, 2009. The enclosure to that letter provides technically correct and complete responses to the remaining 3 questions in RAI No. 227. 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, "RAI 227 Supplement 5 Response US EPR DC.pdf" that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 227 — 19-284	2	16
RAI 227 — 19-287	17	22
RAI 227 — 19-292	23	26

This concludes the formal AREVA NP response to RAI 227, and there are no questions from this RAI for which AREVA NP has not provided responses.

Sincerely,

(Russ Wells on behalf of)

Ronda Pederson

ronda.pederson@areva.com

Licensing Manager, U.S. EPR Design Certification

New Plants Deployment

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: Thursday, September 17, 2009 5:22 PM
To: 'Tesfaye, Getachew'
Cc: BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); NOXON David B (AREVA NP INC)
Subject: Response to U.S. EPR Design Certification Application RAI No. 227, FSAR Ch 19, Supplement 4

Getachew,

AREVA NP Inc. provided responses to 12 of the 20 questions of RAI No. 227 on July 6, 2009. AREVA NP submitted Supplement 1 to the response on July 16, 2009 to address one of the remaining 8 questions.

AREVA NP submitted Supplement 2 to the response on July 24, 2009 to revise the Supplement 1 response. AREVA NP submitted Supplement 3 to the response on August 27, 2009 to address one of the remaining 8 questions. The attached file, "RAI 227 Supplement 4 Response U.S. EPR DC" provides technically correct and complete responses to three of the remaining 6 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 277 Question 19-293.

The following table indicates the respective pages in the response document, "RAI 227 Supplement 4 Response U.S. EPR DC," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 227 — 19-293	2	3
RAI 227 — 19-294	4	6
RAI 227 — 19-295	7	8

The schedule for the remaining three questions is revised to coordinate the responses with the current work on U.S. EPR instrumentation and controls design. Therefore, the schedule for technically correct and complete responses to the remaining three questions has been changed and is provided below:

Question #	Response Date
RAI 227 — 19-284	December 16, 2009
RAI 227 — 19-287	December 16, 2009
RAI 227 — 19-292	December 16, 2009

Sincerely,

Ronda Pederson

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From: WELLS Russell D (AREVA NP INC)

Sent: Thursday, August 27, 2009 3:24 PM

To: 'Getachew Tesfaye'

Cc: Pederson Ronda M (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC)

Subject: Response to U.S. EPR Design Certification Application RAI No. 227, FSAR Ch 19, Supplement 3

Getachew,

AREVA NP Inc. provided responses to 12 of the 20 questions of RAI No. 227 on July 6, 2009. AREVA NP submitted Supplement 1 to the response on July 16, 2009 to address one of the remaining 8 questions. AREVA NP submitted Supplement 2 to the response on July 24, 2009 to revise the Supplement 1 response. The attached file, "RAI 227 Supplement 3 Response U.S. EPR DC" provides a technically correct and complete response to one of the remaining 7 questions.

The following table indicates the respective pages in the response document, "RAI 227 Supplement 3 Response U.S. EPR DC," that contain AREVA NP's response to the subject question.

Question #	Start Page	End Page
RAI 227 — 19-298	2	4

A complete answer is not provided for 6 of the 20 questions. The schedule for a technically correct and complete response to these questions was provided previously and remains as indicated below.

Question #	Response Date
RAI 227 — 19-284	September 18, 2009
RAI 227 — 19-287	September 18, 2009
RAI 227 — 19-292	September 18, 2009
RAI 227 — 19-293	September 18, 2009
RAI 227 — 19-294	September 18, 2009
RAI 227 — 19-295	September 18, 2009

Sincerely,

(Russ Wells on behalf of)

Ronda Pederson

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From: Pederson Ronda M (AREVA NP INC)

Sent: Friday, July 24, 2009 4:54 PM

To: Tesfaye, Getachew

Cc: BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); NOXON David B (AREVA NP INC)

Subject: Response to U.S. EPR Design Certification Application RAI No. 227, FSAR Ch 19, Supplement 2

Getachew,

AREVA NP Inc. provided responses to 12 of the 20 questions of RAI No. 227 on July 6, 2009. On July 16, 2009, AREVA NP submitted Supplement 1 to the response to address 1 of the remaining questions. Several pages were unintentionally omitted in the appended U.S. EPR Final Safety Analysis Report (FSAR) markups provided in Supplement 1.

The attached file, "RAI 227 Supplement 2 Response U.S. EPR DC" provides the affected pages of the U.S. EPR FSAR in redline-strikeout format which support the response to RAI 227 Question 19-285, provided in Supplement 1. These FSAR markups replace, in their entirety, the FSAR markups provided in Supplement 1.

The schedule for a technically correct and complete response to the remaining questions was provided previously and remains as indicated below.

Question #	Response Date
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RAI 227 — 19-284	September 18, 2009
RAI 227 — 19-287	September 18, 2009
RAI 227 — 19-292	September 18, 2009
RAI 227 — 19-293	September 18, 2009
RAI 227 — 19-294	September 18, 2009
RAI 227 — 19-295	September 18, 2009
RAI 227 — 19-298	August 28, 2009

Sincerely,

Ronda Pederson

ronda.pederson@areva.com

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From: Pederson Ronda M (AREVA NP INC)

Sent: Thursday, July 16, 2009 1:57 PM

To: 'Tesfaye, Getachew'

Cc: BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC); NOXON David B (AREVA NP INC)

Subject: Response to U.S. EPR Design Certification Application RAI No. 227, FSAR Ch 19, Supplement 1

Getachew,

AREVA NP Inc. provided responses to 12 of the 20 questions of RAI No. 227 on July 6, 2009. The attached file, "RAI 227 Supplement 1 Response U.S. EPR DC" provides a technically correct and complete response to one of the remaining 8 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 227 Question 19-285.

The following table indicates the respective pages in the response document, "RAI 227 Supplement 1 Response U.S. EPR DC," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 227 — 19-285	2	3
	A-1	A-90
	B-1	B-130

A complete answer is not provided for 7 of the 20 questions. The schedule for a technically correct and complete response to these questions was provided previously and remains as indicated below.

Question #	Response Date
RAI 227 — 19-284	September 18, 2009
RAI 227 — 19-287	September 18, 2009
RAI 227 — 19-292	September 18, 2009

RAI 227 — 19-293	September 18, 2009
RAI 227 — 19-294	September 18, 2009
RAI 227 — 19-295	September 18, 2009
RAI 227 — 19-298	August 28, 2009

Sincerely,

Ronda Pederson

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From: WELLS Russell D (AREVA NP INC)

Sent: Monday, July 06, 2009 6:08 PM

To: 'Getachew Tesfaye'

Cc: Pederson Ronda M (AREVA NP INC); BENNETT Kathy A (OFR) (AREVA NP INC); DELANO Karen V (AREVA NP INC)

Subject: Response to U.S. EPR Design Certification Application RAI No. 227, FSAR Ch 19

Getachew,

Attached please find AREVA NP Inc.'s response to the subject request for additional information (RAI). The attached file, "RAI 227 Response US EPR DC.pdf" provides technically correct and complete responses to 12 of the 20 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 227 Questions 19-299 and 19-300.

The following table indicates the respective pages in the response document, "RAI 227 Response US EPR DC.pdf," that contain AREVA NP's response to the subject questions.

Question #	Start Page	End Page
RAI 227 — 19-284	2	3
RAI 227 — 19-285	4	4
RAI 227 — 19-286	5	5
RAI 227 — 19-287	6	6
RAI 227 — 19-288	7	10
RAI 227 — 19-289	11	11
RAI 227 — 19-290	12	12
RAI 227 — 19-291	13	13
RAI 227 — 19-292	14	14
RAI 227 — 19-293	15	15
RAI 227 — 19-294	16	16
RAI 227 — 19-295	17	17
RAI 227 — 19-296	18	19

RAI 227 — 19-297	20	22
RAI 227 — 19-298	23	23
RAI 227 — 19-299	24	26
RAI 227 — 19-300	27	32
RAI 227 — 19-301	33	33
RAI 227 — 19-302	34	35
RAI 227 — 19-303	36	37

A complete answer is not provided for 8 of the 20 questions. The schedule for a technically correct and complete response to these questions is provided below.

Question #	Response Date
RAI 227 — 19-284	September 18, 2009
RAI 227 — 19-285	July 20, 2009
RAI 227 — 19-287	September 18, 2009
RAI 227 — 19-292	September 18, 2009
RAI 227 — 19-293	September 18, 2009
RAI 227 — 19-294	September 18, 2009
RAI 227 — 19-295	September 18, 2009
RAI 227 — 19-298	August 28, 2009

(Russ Wells on behalf of)

Ronda Pederson

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

Sent: Friday, June 05, 2009 3:29 PM

To: ZZ-DL-A-USEPR-DL

Cc: Theresa Clark; Hanh Phan; Edward Fuller; Lynn Mrowca; Prosanta Chowdhury; Joseph Colaccino; ArevaEPRDCPEm Resource

Subject: U.S. EPR Design Certification Application RAI No. 227 (2564, 2598),FSAR Ch. 19

Attached please find the subject requests for additional information (RAI). A draft of the RAI was provided to you on May 15, 2009, and discussed with your staff on May 29, 2009. Draft RAI Questions 19-296, 19-300, and 19-302 were modified as a result of that discussion. 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: 1037

Mail Envelope Properties (1F1CC1BBDC66B842A46CAC03D6B1CD410251C942)

Subject: Response to U.S. EPR Design Certification Application RAI No. 227, FSAR Ch
19, Supplement 5
Sent Date: 12/16/2009 5:44:58 PM
Received Date: 12/16/2009 5:45:01 PM
From: WELLS Russell D (AREVA NP INC)

Created By: Russell.Wells@areva.com

Recipients:

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Tracking Status: None

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Tracking Status: None

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

Tracking Status: None

"DUNCAN Leslie E (AREVA NP INC)" <Leslie.Duncan@areva.com>

Tracking Status: None

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

Tracking Status: None

Post Office: AUSLYNCMX02.adom.ad.corp

Files	Size	Date & Time
MESSAGE	12888	12/16/2009 5:45:01 PM

Options

Priority: Standard

Return Notification: No

Reply Requested: No

Sensitivity: Normal

Expiration Date:

Recipients Received: