



August 11, 2009  
NRC:09:083

Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

**Revised Information for a Response to a Request for Additional Information Regarding ANP-10285P, "U.S. EPR Fuel Assembly Mechanical Design Topical Report" (TAC No. MD7040)**

Ref. 1: Letter, Ronnie L. Gardner (AREVA NP Inc.) to Document Control Desk (NRC), "Request for Review and Approval of ANP-10285P, 'U.S. EPR Fuel Assembly Mechanical Design Topical Report,'" NRC:07:051, October 2, 2007.

Ref. 2: Letter, Getachew Tesfaye (NRC) to Ronnie L. Gardner (AREVA NP Inc.), "Request for Additional Information Regarding ANP-10285P, 'Fuel Assembly Mechanical Design Topical Report,' (TAC No. MD7040)," June 24, 2008.

Ref. 3: Letter, Ronnie L. Gardner (AREVA NP Inc.) to Document Control Desk (NRC), "Response to a Request for Additional Information Regarding ANP-10285P, 'U.S. EPR Fuel Assembly Mechanical Design Topical Report' (TAC No. MD7040)," NRC:08:050, July 24, 2008.

AREVA NP Inc. (AREVA NP) requested the NRC's review and approval of topical report ANP-10285P, "U.S. EPR Fuel Assembly Mechanical Design Topical Report" in Reference 1. The NRC provided a second Request for Additional Information (RAI) regarding this topical report in Reference 2. AREVA NP provided a response to this RAI in Reference 3.

AREVA NP discovered a typographical error in the response to RAI-22 in ANP-10285Q3P (Reference 3) which also affects Figure RAI-22-2. This error was entered into AREVA NP's corrective action program. A revised Table RAI-22-4 and Figure RAI-22-2 are enclosed.

AREVA NP considers some of the material contained in the attachment to this letter to be proprietary. Proprietary and Non-Proprietary versions of the revised table and figure are enclosed. As required by 10 CFR 2.390(b), an affidavit is enclosed to support the withholding of the information from public disclosure.

If you have any questions related to this submittal, please contact Ms. Sandra M. Sloan, Regulatory Affairs Manager for New Plants Deployment. She may be reached by telephone at 434-832-2369 or by e-mail at [sandra.sloan@areva.com](mailto:sandra.sloan@areva.com).

Sincerely,

A handwritten signature in cursive script that reads "Ronnie L. Gardner".

Ronnie L. Gardner, Manager  
Corporate Regulatory Affairs  
AREVA NP Inc.

DD77  
NRD

**AREVA NP INC.**

An AREVA and Siemens company

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Enclosures

cc: G. Tesfaye  
Docket 52-020

bcc: NRC:09:083

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M. G. Case  
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G. D. Gardner  
R. L. Gardner  
A. Gautier  
J. A. Kay  
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A. E. Levin  
T. A. Mathews  
B. A. McIntyre *BIM*  
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J. F. Midkiff  
J. C. Minichiello  
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G. L. Pannell  
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R. M. Pederson *RMP*  
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J. S. Tucker *JST 8/5/09*  
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R. D. Wells  
  
J. Price, UniStar  
G. Wrobel, UniStar

The information in the attachment is from 51-9106336-000, Responses to RAI-33, RAI-34, RAI-35, RAI-41, and RAI-44 in Third Request for Additional Information (RAI) for ANP-10285P. Reviewed by Jonathan Witter

*Jonathan Witter 8/4/2009*



accordance with 10 CFR 2.390. The information for which withholding from disclosure is requested qualifies under 10 CFR 2.390(a)(4) "Trade secrets and commercial or financial information".

6. The following criteria are customarily applied by AREVA NP to determine whether information should be classified as proprietary:

- (a) The information reveals details of AREVA NP's research and development plans and programs or their results.
- (b) Use of the information by a competitor would permit the competitor to significantly reduce its expenditures, in time or resources, to design, produce, or market a similar product or service.
- (c) The information includes test data or analytical techniques concerning a process, methodology, or component, the application of which results in a competitive advantage for AREVA NP.
- (d) The information reveals certain distinguishing aspects of a process, methodology, or component, the exclusive use of which provides a competitive advantage for AREVA NP in product optimization or marketability.
- (e) The information is vital to a competitive advantage held by AREVA NP, would be helpful to competitors to AREVA NP, and would likely cause substantial harm to the competitive position of AREVA NP.

The information in the Document is considered proprietary for the reasons set forth in paragraphs 6(b) and 6(c) above.

7. In accordance with AREVA NP's policies governing the protection and control of information, proprietary information contained in this Document has been made available, on a limited basis, to others outside AREVA NP only as required and under suitable agreement providing for nondisclosure and limited use of the information.

8. AREVA NP policy requires that proprietary information be kept in a secured file or area and distributed on a need-to-know basis.

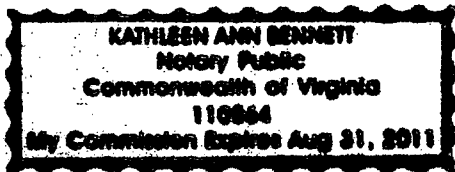
9. The foregoing statements are true and correct to the best of my knowledge, information, and belief.



SUBSCRIBED before me this 7<sup>th</sup>  
day of August, 2009.



Kathleen A. Bennett  
NOTARY PUBLIC, COMMONWEALTH OF VIRGINIA  
MY COMMISSION EXPIRES: 8/31/2011



## Attachment A

### Revised Information for the Response to RAI-22 in ANP-10285Q3

A typographical error has been identified in Table RAI 22-4 of ANP-10285Q3 (Reference 1). The fifth burnup value in the table should be 34515 MWd/tU rather than 38962 MWd/tU. The value of 38962 is the local region burnup rather than the rod average burnup and was inadvertently copied into the table. Figure RAI 22-2 is also impacted since it presents a plot of the data in Table RAI 22-2 in addition to the data in other tables. This typographical error only affects the RAI response and no other information is impacted.

A revised Table RAI 22-4 and a revised Figure RAI 22-2 are presented below. The value for the fifth burnup level in Table RAI 22-4 was corrected from the local region burnup of 38962 MWd/tU to the rod average burnup of 34515 MWd/tU in both the table and the figure.

#### Reference:

1. Letter Ronnie L. Garner (AREVA NP) to Document Control Desk (NRC), "Response to a Request for Additional Information Regarding ANP-10285P, 'U.S. EPR Fuel Assembly Mechanical Design Topical Report', (TAC No, MD7040)," NRC:08:050, July 24, 2008

#### Revised Table RAI 22-4: 1% Clad Strain LHGR Limits for UO<sub>2</sub> Fuel Rods



**Revised Figure RAI-22-2: FCM and 1%CS LHGR Limits for the  
UO<sub>2</sub> and 8w/o Gadolinia Fuel Rods**

