AREVA

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Washington, D.C. 20555-0001

**Response to U.S. EPR Design Certification Application RAI No. 157, Supplement 2 and Response to U.S. EPR Design Certification Application RAI No. 209, Supplement 1**

Ref. 1: E-mail, Getachew Tesfaye (NRC) to Ronda Pederson, et al (AREVA NP Inc.), "U.S. EPR Design Certification Application RAI No. 157 (1729), FSAR Ch. 6," December 18, 2008.

Ref. 2: E-mail, Getachew Tesfaye (NRC) to Ronda Pederson, et al (AREVA NP Inc.), "U.S. EPR Design Certification Application RAI No. 209 (2460), FSAR Ch. 6," April 8, 2009.

Ref. 3: E-mail, Ronda Pederson, (AREVA NP Inc.), to Getachew Tesfaye (NRC) et al, "Response to U.S. EPR Design Certification Application RAI No. 157 (1729), FSAR Ch. 6," February 2, 2009.

Ref. 4: E-mail, Ronda Pederson, (AREVA NP Inc.), to Getachew Tesfaye (NRC) et al, "Response to U.S. EPR Design Certification Application RAI No. 157 FSAR Ch. 6, Supplement 1," July 23, 2009.

Ref. 5: E-mail, Ronda Pederson, (AREVA NP Inc.), to Getachew Tesfaye (NRC) et al, "Response to U.S. EPR Design Certification Application RAI No. 209 FSAR Ch. 6," May 8, 2009.

In References 1 and 2, the NRC provided requests for additional information (RAI) regarding the U.S. EPR design certification application. References 3, 4 and 5 provided schedules for the responses to the single question in each RAI. Technically correct and complete responses to these two questions are enclosed with this letter, as committed.

Since the responses to these two questions are so extensive as to require the rewriting of U.S. EPR FSAR, Tier 2, Sections 6.2.1 and 6.2.2, a unified response markup of these sections is enclosed in support of the responses to RAI 157 Question 06.02.02-22 and RAI 209 Question 06.02.01-14. This markup completely replaces the corresponding sections of U.S. EPR FSAR, Tier 2, Sections 6.2.1 and 6.2.2. Also enclosed are additional affected pages of the U.S. EPR FSAR in redline-strikeout format which support the response to Question 06.02.01-14.

The enclosed response consists of the following:

| Question # | Start Page | End Page |
|---|---|---|
| RAI 157 — 06.02.02-22 | 2 | 4 |
| RAI 209 — 06.02.01-14 | 2 | 3 |

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Enclosed with this letter please find a CD containing the following response files:

- "RAI 157 Supplement 2 Response US EPR DC.pdf"
- "RAI 209 Supplement 1 Response US EPR DC.pdf"
- "Markup of U.S. EPR FSAR, Tier 2, Sections 6.2.1 and 6.2.2.pdf"

This concludes the formal AREVA NP response to both RAI No. 157 and RAI No. 209, and there are no questions from either of these RAIs for which AREVA NP has not provided responses.

Sincerely,

Sandra M. Sloan

Sandra M. Sloan, Manager
New Plants Regulatory Affairs
AREVA NP Inc.

Enclosures

cc: G. Tesfaye
Docket No. 52-020