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

Informational Transmittal of ANP-2899P, Revision 0, "Fuel Design Evaluation for ATRIUM 10XM BWR Reload Fuel"

Ref. 1: ANF-89-98(P)(A) Revision 1 and Supplement 1, "Generic Mechanical Design Criteria For BWR Fuel Designs," Advanced Nuclear Fuels Corporation, May 1995.

Ref. 2: Letter, James F. Mallay (SPC) to Document Control Desk (NRC), "Revision to Attachment 1 of Letter NRC:99:030, Request for Concurrence on SER Clarifications," NRC:99:045, October 12, 1999.

Ref. 3: Letter, Stuart Richards (NRC) to James F. Mallay (SPC), "Siemens Power Corporation Re: Request for Concurrence on Safety Evaluation Report Clarifications (TAC No. MA6160)," May 31, 2000.

Enclosed for the NRC's information is ANP-2899P, Revision 0, "Fuel Design Evaluation for ATRIUM 10XM BWR Reload Fuel" dated April 2010. As specified in References 1, 2 and 3, AREVA NP Inc (AREVA NP) is required to provide the NRC an informational summary of the evaluation of new BWR fuel designs against the NRC-approved acceptance criteria. This submittal serves that purpose for the new AREVA NP ATRIUM 10XM BWR fuel design.

This document is submitted for information only and is not being submitted for review. As such, no review fee or separate Safety Evaluation (SE) is expected.

Proprietary and non-proprietary versions of the report are enclosed. AREVA NP considers some of the material contained in the report to be proprietary. 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 Mr. Alan B. Meginnis, Product Licensing Manager at 509-375-8266 or by e-mail at alan.meginnis@areva.com.

Sincerely,

Ronnie L. Gardner, Manager
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AREVA NP Inc.

Enclosures

cc: H. Cruz
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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), 6(d) and 6(e) above.

7. In accordance with AREVA NP's policies governing the protection and control of information, proprietary information contained in this Document have 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.

