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CALVERT CLIFFS NUCLEAR POWER PLANT

July 27, 2011

U. S. Nuclear Regulatory Commission
Washington, DC 20555

ATTENTION: Document Control Desk

SUBJECT: Calvert Cliffs Nuclear Power Plant
Unit Nos. 1 & 2; Docket Nos. 50-317 & 50-318
Inspection Information for Lead Fuel Assemblies

- REFERENCES:**
- (a) Letter from J. A. Spina (CCNPP) to Document Control Desk (NRC), dated February 23, 2007, Letter of Intent to Irradiate Lead Fuel Assemblies Above the Current Maximum Burnup Limit
 - (b) Letter from J. A. Gresham (Westinghouse) to Document Control Desk (NRC), dated February 5, 2008, SER Compliance with WCAP-12610-P-A and CENPD-404-P-A, Addendum 1-A, Optimized ZIRLO
 - (c) Letter from J. A. Gresham (Westinghouse) to Document Control Desk (NRC), dated December 30, 2008, SER Compliance of WCAP-12610-P-A and CENPD-404-P-A, Addendum 1-A, Optimized ZIRLO

In Reference (a), Calvert Cliffs notified the Nuclear Regulatory Commission (NRC) of our intent to irradiate a limited number of lead fuel assemblies above the current maximum burnup limit. Two Westinghouse lead fuel assemblies and two AREVA lead fuel assemblies, all with advanced cladding materials were irradiated as described. Additionally, in that letter, we stated that we would provide the necessary pre-characterization and post-irradiation examination report for the lead fuel assemblies. The examination report for the AREVA lead fuel assemblies is attached (Attachment 1). Westinghouse has provided the appropriate pre-characterization data separately (References b and c), as part of their larger advanced cladding materials program. Likewise, Westinghouse is including appropriate post-irradiation examination results in a separate follow-up report, scheduled for the end of 2011.

This completes Calvert Cliffs actions related to participation in both the Westinghouse and AREVA advanced cladding material test program and fulfils the reporting requirements of WCAP-15604-NP.

ADD
NRC

Attachment (1) contains information that is proprietary to AREVA, therefore, it is accompanied by an affidavit signed by AREVA, owner of the information (Attachment 2). The affidavit sets forth, with specificity, the considerations listed in 10 CFR 2.390(b)(4). Accordingly, it is requested that the information that is proprietary to AREVA be withheld from public disclosure. The non-proprietary version of Attachment (1) is provided as Attachment (3).

Should you have questions regarding this matter, please contact Mr. Douglas E. Lauver at (410) 495-5219.

Very truly yours,



GHG/PSF/bjd

Attachment: (1) Calvert Cliffs Lead Fuel Assembly Third Cycle PIE Report - Proprietary
(2) AREVA Proprietary Affidavit
(3) Calvert Cliffs Lead Fuel Assembly Third Cycle PIE Report – Non-Proprietary

cc: D. V. Pickett, NRC
W. M. Dean, NRC

Resident Inspector, NRC
S. Gray, DNR

cc's: **Without Attachment (1)**

ATTACHMENT (2)

AREVA PROPRIETARY AFFIDAVIT

AFFIDAVIT

COMMONWEALTH OF VIRGINIA)
) ss.
CITY OF LYNCHBURG)

1. My name is Gayle F. Elliott. I am Manager, Product Licensing, for AREVA NP Inc. (AREVA NP) and as such I am authorized to execute this Affidavit.

2. I am familiar with the criteria applied by AREVA NP to determine whether certain AREVA NP information is proprietary. I am familiar with the policies established by AREVA NP to ensure the proper application of these criteria.

3. I am familiar with the AREVA NP information contained in the report ANP-3020(P), Revision 000, entitled "Calvert Cliffs Lead Fuel Assembly Third Cycle PIE Report," dated July 2011 and referred to herein as "Document." Information contained in this Document has been classified by AREVA NP as proprietary in accordance with the policies established by AREVA NP for the control and protection of proprietary and confidential information.

4. This Document contains information of a proprietary and confidential nature and is of the type customarily held in confidence by AREVA NP and not made available to the public. Based on my experience, I am aware that other companies regard information of the kind contained in this Document as proprietary and confidential.

5. This Document has been made available to the U.S. Nuclear Regulatory Commission in confidence with the request that the information contained in this Document be withheld from public disclosure. The request for withholding of proprietary information is made in accordance with 10 CFR 2.390. The information for which withholding from disclosure is

requested qualifies under 10 CFR 2.390(a)(4) "Trade secret and commercial or financial information."

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

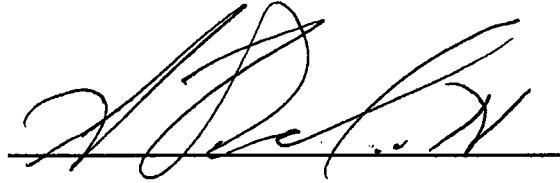
- (a) The information reveals details of AREVA NP's research and development plans and programs or their results.
- (b) Use of the information by a competitor would permit the competitor to significantly reduce its expenditures, in time or resources, to design, produce, or market a similar product or 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 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.

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



A handwritten signature in cursive script, written over a horizontal line.

SUBSCRIBED before me this 10th
day of July 2011.



A handwritten signature in cursive script, written over a horizontal line.

Sherry L. McFaden
NOTARY PUBLIC, COMMONWEALTH OF VIRGINIA
MY COMMISSION EXPIRES: 10/31/14
Reg. # 7079129

