



June 26, 2007  
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Document Control Desk  
U.S. Nuclear Regulatory Commission  
Washington, D.C. 20555-0001

**Distribution of ANP-10280P, Revision 0, "Poolside Postirradiation Examination of MOX Lead Assemblies"**

Ref. 1: Letter, James F. Mallay (Framatome ANP) to Document Control Desk (NRC),  
"Publication of BAW-10238(P)(A), Revision 1, 'MOX Fuel Design Report'," NRC:04:054,  
September 21, 2004.

Paragraph 3.7.1 of the safety evaluation of BAW-10238(P)(A), Revision 1, (Reference 1) discusses the inspection and testing program of the MOX lead test assemblies that were supplied to Duke Energy's Catawba Nuclear Station, Unit 1, for irradiation starting in spring of 2005. The inspection and testing program includes poolside postirradiation examinations that are to be performed between every irradiation cycle of the test assemblies.

The first cycle of irradiation of the test assemblies was completed in the fall of 2006. The test assemblies were examined at poolside after ultrasonic cleaning during the refueling outage. The appearance of the assemblies was normal. Upon evaluation, all characteristics of the test assemblies were found to be within the criteria for reinsertion for a second cycle of irradiation.

Enclosed are CDs which contain proprietary and non-proprietary versions of report ANP-10280P, Revision 0, "Poolside Postirradiation Examination of MOX Lead Assemblies," for information. This report documents the results of the first cycle of poolside postirradiation examinations.

AREVA NP considers some of the material contained in the enclosed document 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.

Sincerely,

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

Ronnie L. Gardner, Manager  
Site Operations and Regulatory Affairs  
AREVA NP Inc.

Enclosures

T.007

**AREVA NP INC.**

An AREVA and Siemens company

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W.R.R

cc: P. M. Clifford  
H. D. Cruz  
J. F. Stang, Jr.  
Project 728



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 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 large, stylized handwritten signature in black ink, written over a horizontal line.

SUBSCRIBED before me this 26<sup>th</sup>  
day of June, 2007.

A handwritten signature in black ink, written over a horizontal line.

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

