

FRAMATOME COGEMA FUELS

July 31, 2000
GR00-088.doc

U. S. Nuclear Regulatory Commission
ATTN: Document Control Desk
Washington, DC 20555

Subject: Topical Report BAW-10231P, "COPERNIC Fuel Rod Design Computer Code," Chapter 13 MOX Applications.

- References:
1. T. A. Coleman to NRC Document Control Desk, GR074.doc, January 22, 1998.
 2. T. A. Coleman to NRC Document Control Desk, GR99-191.doc, September 16, 1999.
 3. T. A. Coleman to NRC Document Control Desk, GR99-234.doc, December 2, 1999.

Gentlemen:

Reference 1 was the original submittal of the COPERNIC topical report BAW-10231P. References 2 and 3 transmitted the updated version of BAW-10231P. Chapters one through eleven of BAW-10231P were transmitted in Reference 2 and contain the details of the experimental database, models for thermal phenomena, gas release, strains, etc., comparisons with measured data, and user manual for uranium dioxide, urania-gadolinia, and mixed oxide (MOX) fuels. Chapter 12 was transmitted in Reference 3 and contains the Applications Methodology for uranium dioxide and urania-gadolinia fuels.

Reference 2 also indicated that an addendum to BAW-10231P to support application to mixed oxide (MOX) fuel would be submitted in August, 2000. This MOX Applications Methodology (Chapter 13) is enclosed with this letter. NRC review of the COPERNIC uranium submittals is underway. FCF hereby requests that the review of this mixed oxide submittal be done independently from the uranium portions and that a separate contract be assigned for the review of Chapter 13.

Fifteen copies of the proprietary version and twelve copies of the non-proprietary version are attached. Please replace pages xix and xx in the Table of Contents in BAW-10231P, and place the remaining pages (Chapter 13) at the end of the report.

In accordance with 10CFR2.790, it is requested that this report be considered proprietary. An affidavit supporting this request



Framatome Cogema Fuels

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is attached. In order to support the engineering activities associated with implementation of mixed oxide lead assemblies, NRC approval of COPERNIC for mixed oxide fuel is requested by July 31, 2001.

Very truly yours,



T. A. Coleman, Vice President
Government Relations

cc: J. S. Wermiel, NRC
S. L. Wu, NRC
R. Caruso, NRC
M. S. Chatterton, NRC
S. N. Bailey, NRC
M. A. Schoppman
R. N. Edwards

cc: (w/o Attachment)
R. E. Martin, NRC
A. Persinko, NRC
J. H. Wilson, NRC

AFFIDAVIT OF THOMAS A. COLEMAN

- A. My name is Thomas A. Coleman. I am Vice President of Government Relations for Framatome Cogema Fuels (FCF). Therefore, I am authorized to execute this Affidavit.
- B. I am familiar with the criteria applied by FCF to determine whether certain information of FCF is proprietary and I am familiar with the procedures established within FCF to ensure the proper application of these criteria.
- C. In determining whether an FCF document is to be classified as proprietary information, an initial determination is made by the Unit Manager, who is responsible for originating the document, as to whether it falls within the criteria set forth in Paragraph D hereof. If the information falls within any one of these criteria, it is classified as proprietary by the originating Unit Manager. This initial determination is reviewed by the cognizant Section Manager. If the document is designated as proprietary, it is reviewed again by personnel and other management within FCF as designated by the Vice President of Government Relations to assure that the regulatory requirements of 10 CFR Section 2.790 are met.
- D. The following information is provided to demonstrate that the provisions of 10 CFR Section 2.790 of the Commission's regulations have been considered:
 - (i) The information has been held in confidence by FCF. Copies of the document are clearly identified as proprietary. In addition, whenever FCF transmits the information to a customer, customer's agent, potential customer or regulatory agency, the transmittal requests the recipient to hold the information as proprietary. Also, in order to strictly limit any potential or actual customer's use of proprietary information, the substance of the following provision is included in all agreements entered into by FCF, and an equivalent version of the proprietary provision is included in all of FCF's proposals:

AFFIDAVIT OF THOMAS A. COLEMAN (Cont'd.)

"Any proprietary information concerning Company's or its Supplier's products or manufacturing processes which is so designated by Company or its Suppliers and disclosed to Purchaser incident to the performance of such contract shall remain the property of Company or its Suppliers and is disclosed in confidence, and Purchaser shall not publish or otherwise disclose it to others without the written approval of Company, and no rights, implied or otherwise, are granted to produce or have produced any products or to practice or cause to be practiced any manufacturing processes covered thereby.

Notwithstanding the above, Purchaser may provide the NRC or any other regulatory agency with any such proprietary information as the NRC or such other agency may require; provided, however, that Purchaser shall first give Company written notice of such proposed disclosure and Company shall have the right to amend such proprietary information so as to make it non-proprietary. In the event that Company cannot amend such proprietary information, Purchaser shall, prior to disclosing such information, use its best efforts to obtain a commitment from NRC or such other agency to have such information withheld from public inspection.

Company shall be given the right to participate in pursuit of such confidential treatment."

AFFIDAVIT OF THOMAS A. COLEMAN (Cont'd.)

- (ii) The following criteria are customarily applied by FCF in a rational decision process to determine whether the information should be classified as proprietary. Information may be classified as proprietary if one or more of the following criteria are met:
- a. Information reveals cost or price information, commercial strategies, production capabilities, or budget levels of FCF, its customers or suppliers.
 - b. The information reveals data or material concerning FCF research or development plans or programs of present or potential competitive advantage to FCF.
 - c. The use of the information by a competitor would decrease his expenditures, in time or resources, in designing, producing or marketing a similar product.
 - d. The information consists of test data or other similar data concerning a process, method or component, the application of which results in a competitive advantage to FCF.
 - e. The information reveals special aspects of a process, method, component or the like, the exclusive use of which results in a competitive advantage to FCF.
 - f. The information contains ideas for which patent protection may be sought.

AFFIDAVIT OF THOMAS A. COLEMAN (Cont'd.)

The document(s) listed on Exhibit "A", which is attached hereto and made a part hereof, has been evaluated in accordance with normal FCF procedures with respect to classification and has been found to contain information which falls within one or more of the criteria enumerated above. Exhibit "B", which is attached hereto and made a part hereof, specifically identifies the criteria applicable to the document(s) listed in Exhibit "A".

- (iii) The document(s) listed in Exhibit "A", which has been made available to the United States Nuclear Regulatory Commission was made available in confidence with a request that the document(s) and the information contained therein be withheld from public disclosure.
- (iv) The information is not available in the open literature and to the best of our knowledge is not known by Combustion Engineering, Siemens, General Electric, Westinghouse or other current or potential domestic or foreign competitors of Framatome Cogema Fuels.
- (v) Specific information with regard to whether public disclosure of the information is likely to cause harm to the competitive position of FCF, taking into account the value of the information to FCF; the amount of effort or money expended by FCF developing the information; and the ease or difficulty with which the information could be properly duplicated by others is given in Exhibit "B".

E. I have personally reviewed the document(s) listed on Exhibit "A" and have found that it is considered proprietary by FCF because it contains information which falls within one or more of the criteria enumerated in Paragraph D, and it is information which is customarily held in confidence and protected as proprietary information by FCF. This report comprises information utilized by FCF in its business which afford FCF an opportunity to obtain a

AFFIDAVIT OF THOMAS A. COLEMAN (Cont'd.)

competitive advantage over those who may wish to know or use the information contained in the document(s).

TH Coleman

THOMAS A. COLEMAN

State of Virginia)

) SS. Lynchburg

City of Lynchburg)

Thomas A. Coleman, being duly sworn, on his oath deposes and says that he is the person who subscribed his name to the foregoing statement, and that the matters and facts set forth in the statement are true.

TH Coleman

THOMAS A. COLEMAN

Subscribed and sworn before me
this 31st day of July 2000.

Wanda L. Wade

Notary Public in and for the City
of Lynchburg, State of Virginia.

My Commission Expires 8/31/01

EXHIBITS A & B

EXHIBIT A

Topical Report BAW-10231P, "COPERNIC Fuel Rod Design Computer Code"
Chapter 13 - MOX Application

EXHIBIT B

The above listed document contains information which is considered Proprietary in accordance with Criterion a and b of the attached affidavit.