FRAMATOME ANP

An AREVA and Siemens company

FRAMATOME ANP, Inc.

September 3, 2003
NRC:03:055

Document Control Desk
ATTN: Chief, Planning, Program and Management Support Branch
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

Request for Review of BAW-10244P, "Mark-BW CHF Correlations Applied with XCOBRA-IIIC"

Ref.: 1. XN-NF-75-21(P)(A), Revision 2, *XCOBRA-IIIC: A Computer Code to Determine the Distribution of Coolant during Steady State and Transient Operation*, January 1986.

Ref.: 2. BAW-10199P-A, "The BWU Critical Heat Flux Correlations," Framatome Cogema Fuels, August 1996.

Ref.: 3. BAW-10199P-A, Addendum 2, "The BWU Critical Heat Flux Correlations," Framatome Cogema Fuels, August 2000.

Ref.: 4. BAW-10156-A, Revision 1, "LYNXT Core Transient Thermal-Hydraulic Program," Babcock & Wilcox, August 1993.

Framatome ANP requests the NRC's review and approval for referencing in licensing actions the topical report BAW-10244P, "Mark-BW CHF Correlations Applied with XCOBRA-IIIC." This report provides justification for applying the BWU CHF correlations to the Mark-BW fuel design using the XCOBRA-IIIC code (Reference 1). Enclosed are two CDs, one containing the proprietary version of the topical report and one for the non-proprietary version.

The original BWU CHF correlations (References 2 and 3) had been applied using the LYNXT thermal-hydraulic code (Reference 4). Now, in BAW-10244P, the BWU CHF correlations have been incorporated into XCOBRA-IIIC.

Framatome ANP believes that the approval of this application should be based on the approvals of References 2 and 3. The only new aspect to be accepted is the use of the approved BWU CHF correlations with a different thermal-hydraulic computer code. The uncertainties, confidence level, and ranges of application are similar to the approved BWU CHF correlation in the code LYNXT.

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In view of the limited review being requested, Framatome ANP requests that an SER be issued by December 31, 2003 to support the application of this topical report for customer reload analyses. Framatome ANP would be pleased to meet with appropriate members of the NRC staff to describe the contents of the report and the specific areas requiring NRC review.

Framatome ANP considers some of the material contained in the enclosed documents to be proprietary. As required by 10 CFR 2.790(b), an affidavit is enclosed to support the withholding of the information from public disclosure.

Very truly yours,

James F. Mallay, Director
Regulatory Affairs

Enclosures

cc: D. G. Holland
E. S. Peyton
Project 728

AFFIDAVIT

STATE OF WASHINGTON)
) ss.
COUNTY OF BENTON)

1. My name is Jerald S. Holm. I am Manager, Product Licensing, for Framatome ANP ("FANP"), and as such I am authorized to execute this Affidavit.

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

3. I am familiar with the FANP information in the report BAW-10244(P), "Mark-BW CHF Correlations Applied with XCOBRA-IIIC," and referred to herein as "Document." Information contained in this Document has been classified by FANP as proprietary in accordance with the policies established by FANP for the control and protection of proprietary and confidential information.

4. This Document contain information of a proprietary and confidential nature and is of the type customarily held in confidence by FANP 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.

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

(a) The information reveals details of FANP'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 FANP.

(d) The information reveals certain distinguishing aspects of a process, methodology, or component, the exclusive use of which provides a competitive advantage for FANP in product optimization or marketability.

(e) The information is vital to a competitive advantage held by FANP, would be helpful to competitors to FANP, and would likely cause substantial harm to the competitive position of FANP.

7. In accordance with FANP'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 FANP only as required and under suitable agreement providing for nondisclosure and limited use of the information.

8. FANP 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.

SUBSCRIBED before me this 3rd day of September, 2003.

Susan K. McCoy
NOTARY PUBLIC, STATE OF WASHINGTON
MY COMMISSION EXPIRES: 1/10/04