July 16, 2003

Mr. James Mallay
Director, Regulatory Affairs
Framatome ANP, Richland, Inc.
3815 Old Forest Road
Lynchburg, VA 24501

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION – BAW-10240-P, "INCORPORATION OF M5 PROPERTIES IN FRAMATOME ANP APPROVED METHODS" (TAC NO. MB7553)

Dear Mr. Mallay:

By letter dated October 1, 2002, Framatome ANP submitted for staff review Topical Report BAW-10240-P, "Incorporation of M5 Properties in Framatome ANP Approved Methods." The staff has completed its preliminary review of BAW-10240-P and has identified a number of items for which additional information is needed to continue its review. The staff recently discussed this request for additional information (RAI) with you, and it was agreed that a response would be provided within 30 days of receipt of this letter.

Pursuant to 10 CFR 2.790, we have determined that the enclosed RAI does not contain proprietary information. However, we will delay placing the RAI in the public document room for a period of ten (10) working days from the date of this letter to provide you with the opportunity to comment on the proprietary aspects only. If you believe that any information in the enclosure is proprietary, please identify such information line by line and define the basis pursuant to the criteria of 10 CFR 2.790.

If you have any questions, please call me at (301) 415-1436.

Sincerely,

/RA/

Drew Holland, Project Manager, Section 2
Project Directorate IV
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Project No. 728

Enclosure: Request for Additional Information

July 16, 2003

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REQUEST FOR ADDITIONAL INFORMATION

BAW-10240-P, "INCORPORATION OF M5 PROPERTIES IN FRAMATOME ANP APPROVED METHODS"

FRAMATOME ANP

PROJECT NO. 728

1. On page 4-1 of the topical report (TR), it mentions that the previously defined M5 model for creep was not used in RODEX2-2A. Please provide information about how the previously approved M5 creep model is not compatible with RODEX2.

2. On page 4-5 of the TR, please provide justification for rounding the alpha phase expansion coefficient in the axial direction down.

3. Section 4.1.10 of the TR describes how the cladding emissivity was developed for the entire range of application. Please provide additional information and justification on how the transition region was developed since it is not a smooth transition.

4. In Section 5.1.8 of the TR, it is stated that Equation 4.9 is assumed applicable to all temperatures of interest. Please provide justification for this assumption. Additionally, please define the temperature range of interest.