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Additional Information for the Review of BAW-10247(P), "Realistic Thermal-Mechanical Fuel Rod Methodology for Boiling Water Reactors"

Ref. 1: Letter, James F. Mallay (FANP) to Document Control Desk (NRC), "Request for Review and Approval of BAW-10247(P), 'Realistic Thermal-Mechanical Fuel Rod Methodology for Boiling Water Reactors'," NRC:04:047, August 19, 2004.

Framatome ANP requested the NRC's review and approval of the topical report BAW-10247(P), 'Realistic Thermal-Mechanical Fuel Rod Methodology for Boiling Water Reactors' in Reference 1. This letter provides additional information to support the review.

During preparation of the RODEX4 code for transmittal to the NRC, a number of errors were identified in the code. The majority of the errors had no significant impact. The correction of one of the errors resulted in a need to retune the model in order to preserve the accuracy of the benchmarks.

The initial error identified was related to the use of an uninitialized variable. In response to the identification of this error, a detailed review of all of the source code was performed using a static source code analysis tool. This additional investigation identified a number of additional minor code issues.

A description of the code errors and the impact of correcting the code errors and retuning the code are provided in Attachment A to this letter. A proprietary and a non-proprietary version of the attachment are provided.

Framatome ANP considers some of the information contained in the attachments to this letter to be proprietary. The affidavit provided with the original submittal of the reference report (Reference 1) satisfies the requirements of 10 CFR 2.390(b) to support the withholding of this information from public disclosure.

Sincerely,

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