

October 3, 2001

Mr. James F. Mallay
Director, Regulatory Affairs
Framatome ANP, Richland, Inc.
2101 Horn Rapids Road
Richland, WA 99352

SUBJECT: ACCEPTANCE REVIEW OF FRAMATOME EMF-2103(P), REV. 0, "REALISTIC LARGE BREAK LOCA METHODOLOGY FOR PRESSURIZED WATER REACTORS" (TAC NO. MB2865).

Dear Mr. Mallay:

On August 20, 2001, Framatome ANP Richland, Inc. requested review and approval of use of the S-RELAP5 code for application to the pressurized water reactor (PWR) large break loss-of-coolant accident (LOCA). The primary document describing the S-RELAP5 code is EMF-2103(P), Rev. 0, "Realistic Large Break LOCA Methodology for Pressurized Water Reactors," August 2001. Framatome also included an electronic copy of the computer code as part of the submittal.

The S-RELAP5 submittal (EMF-2103(P), Rev. 0) has been reviewed to determine acceptability of the code documentation for NRC review. The scope and detail of the code documentation pertaining to the thermal-hydraulic modeling, reactor kinetics modeling, code numerics, and code assessment have been reviewed and found sufficient for the staff to initiate its technical review of application of the code to analysis of the PWR large break LOCA.

A meeting with the applicant has been scheduled for October 30, 2001, to discuss the code documentation and review schedule. A meeting with the Advisory Committee on Reactor Safeguards (ACRS) Thermal-Hydraulic Subcommittee will be scheduled in the near future. At that time an overview of the S-RELAP5 code and review schedule will be presented. We anticipate providing requests for additional information (RAIs) regarding the technical adequacy of the submittal by early May 2002.

If there are comments or questions in this matter please contact me at (301) 415-1424.

Sincerely,

/RA/

Jack Cushing, Project Manager, Section 2
Project Directorate IV
Division of Licensing Project Management
Office of Nuclear Reactor Regulation

Project No. 693

cc: See next page

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Project No. 693

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