



FRAMATOME ANP

An AREVA and Siemens Company

FRAMATOME ANP, Inc.

April 9, 2004
NRC:04:017

Ms. Michelle C. Honcharik
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
One White Flint North
11555 Rockville Pike
Rockville, MD 20852-2738

Status of Framatome ANP Topical Reports

Ref.: 1. Letter, James F. Mallay (Framatome ANP) to Drew G. Holland (NRC), "Status of Framatome ANP Topical Reports," NRC:03:078, November 10, 2003.

Dear Ms. Honcharik:

This letter provides Framatome ANP's semi-annual update on the status of topical reports being reviewed by the NRC and topical reports that are being developed for future submittal. Your particular attention is drawn to the listing of reports being reviewed, which includes a statement of expectation for completion of the review and other notable milestones. Framatome requests your active management attention to achieve those dates, many of which were provided to us by the responsible reviewers. The listing of future reports provides an indication of planned schedules. Both listings are provided in the attachments.

Although most of our topical reports are related to core performance, we are planning to issue two documents that address repair techniques for nozzles that penetrate the reactor coolant system. The acceptance of these reports will facilitate the approval of relief requests submitted by Framatome's customers.

Many of the topical reports already submitted and planned for submittal during the next year reflect Framatome ANP's intent to either integrate the methods developed previously by Siemens Power Corporation, FTI, and FCF or to bring consistency among these methods. Some of the reports are designed to align MOX methods with those already being used for traditional fuel.

Very truly yours,

James F. Mallay, Director
Regulatory Affairs

Enclosures

TO/0
4601

cc: D.G. Holland
J. S. Wermiel
Project 693
Project 728

Attachment A

Topical Reports Being Reviewed by the NRC

1. Reports Related to Thermal Hydraulics (LOCA and CHF)

- BAW-10240, "Incorporation of M5 Properties into Framatome ANP Approved Methods" (MB7553)

Report was submitted on October 1, 2002. The SER is expected by April 30, 2004.

- BAW-10179, Revision 5, "Mark-B Methodology Update" (MB9684)

Report was submitted on December 18, 2002. The SER is expected directly after the acceptance of BAW-10241.

- BAW-10241, "BHTP DNB Correlation Applied with LYNXT" (MB7033)

Report was submitted on December 19, 2002. The SER is expected by April 30, 2004.

- EMF-2310, Revision 1, "SRP, Chapter 15 Non-LOCA Methodology for Pressurized Water Reactors" (MC0329)

Report was submitted on August 12, 2003. The SER is expected by April 30, 2004.

- BAW-10244, "Mark-BW CHF Correlations Applied with XCOBRA-IIIC" (MC0671)

Report was submitted on September 3, 2003. The SER is expected by mid-2004.

2. Reports Related to Fuel Rod Design and Analysis

- BAW-10238, Revision 1, "MOX Fuel Design Report" (MB 7550)

Report was submitted on April 30, 2002. The SER is expected by April 30, 2004.

- BAW-10239, "Fuel Mechanical Design for Advanced Mark-BW" (MB 7551)

Report was submitted on April 30, 2002. The SER is expected by April 30, 2004.

3. Reports Related to Plant-Specific Applications

- BAW-2308, Revision 1, "Initial RT-NDT of Linde 80 Weld Material" (MB6336)

Report was submitted to the NRC on July 26, 2002. Due to information presented at a code meeting in December 2003, the NRC issued a second RAI. Response to the RAI will be submitted to the NRC by June 15, 2004. The SER is expected by September 30, 2004.

- BAW-1543, Revision 4, Supplement 5, "Supplement to the Master Integrated Reactor Vessel Surveillance Program" (MC1762)

Report was submitted to the NRC on December 19, 2003. The NRC accepted this topical for review on February 17, 2004. The SER is expected by December 31, 2004.

- BAW-2441, Revision 2, "Risk Informed Justification for Changes in Allowed End States"

Report was submitted to the NRC on January 19, 2004. The SER is expected by September 30, 2004.

Attachment B

Topical Reports Planned for Submittal

1. Reports Related to Thermal Hydraulics (LOCA and CHF)

- ANF-1358, Revision 2, "Loss of Feedwater Heating Transient in Boiling Water Reactors"
Scheduled for April 2004.
- EMF-2103, Revision 1, "Realistic Large Break LOCA Model"
Scheduled for June 2004.
- BAW-10252, "Containment Analysis Using GOTHIC"
Scheduled for June 2004.
- BAW-10179, Revision 6, "Mark-B Methodology Update"
Scheduled for July 2004.
- BAW-10248, "Modified LOCA Methodology for MOX"
Scheduled for September 2004.

2. Reports Related to Fuel Rod Design and Analysis

- BAW-10199, Addendum 3, "BWU CHF Correlation"
Scheduled for April 2004.
- EMF-92-153, Revision 1, "Revised HTP DNB Correlation"
Scheduled for May 2004.
- BAW-10247, "Methodology for Thermal-Mechanical Evaluation of BWR Fuel Design (RODEX4)"
Scheduled for June 2004.

- BAW-10243, "Statistical Fuel Assembly Holddown Methodology"

Scheduled for July 2004.

- BAW-10133, "Revised Seismic Analysis"

Scheduled for July 2004.

- BAW-2241, Revision 2, "Fluence and Uncertainty Methodologies" (for BWRs)

Report was submitted on June 2, 2003. NRC issued a letter on August 13, 2003 asking for additional benchmarks and suspending the review. A revised report is expected to be issued in late 2004.

3. Reports Related to Plant-Specific Applications

- BAW-2461, "Justification for the Extension of Allowed Outage Time for Containment Isolation Valves"

Scheduled for July 2004.

4. Weld Repair Techniques

- BAW-10253, "Temper Bead Weld Repair Technique"

Scheduled for April 2004.

- BAW-10254, "Temper Bead Weld Buildup at Ambient Conditions"

Scheduled for April 2004.