FRAMATOME ANP

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FRAMATOME ANP, Inc.

March 27, 2003
NRC:03:017 Rev. 1

New Plant Licensing
ATTN: Mr. James E. Lyons, Director
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555-0001

NRC Visit to Framatome ANP Test Facilities in Germany

Ref.: 1. Letter, J. F. Mallay (Framatome ANP) to James E. Lyons (NRC), "Discussions with the NRC on the SWR-1000 Design," NRC:03:006, January 9, 2003.

Dear Mr. Lyons:

Framatome ANP conducted several discussions with the NRC during 2002 on the SWR 1000 reactor design, including the supporting test program, which is being conducted primarily at Framatome ANP facilities in Germany. As noted in Reference 1, Framatome ANP agreed to notify the NRC in sufficient time to make adequate preparations for an NRC visit to those test facilities.

Framatome ANP is hereby inviting the NRC to visit its test facilities in Germany for one week in June of this year. An agenda, which includes an identification of the specific facilities to be visited and the exact dates, is provided in the attachment.

Based on discussions with the NRC Project Manager, Joe Sebrosky, Framatome ANP expects three fee-billable NRC staff members will attend. In addition, other non-fee billable NRC staff members can be accommodated on the visit, provided that advance notification is given so that appropriate logistical arrangements can be made.

The Framatome ANP expectation in hosting the visit is to obtain timely and specific feedback on the test programs that may be used to support Design Certification of the SWR 1000 design in the U.S. so that our application for Design Certification is more complete and more acceptable to the NRC.

Framatome ANP will provide an information package to the NRC by April 18, 2003, that will include test-related materials sufficient to give the NRC an introduction to the facilities that will be visited and an understanding of the relationship of the tests to the validation of the SWR 1000 design.

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Framatome ANP will appreciate the NRC's confirmation of this visit, including a list of attendees, by April 25.

Very truly yours,

James F. Mallay, Director
Regulatory Affairs

cc: J. M. Sebrosky
J. P. Segala
Project 723

Attachment

Agenda for NRC Visit to Framatome ANP Test Facilities in Germany June 21-27, 2003[1]

Day	Location	Event
Saturday, June 21	[redacted]	Depart Washington, D.C., and arrive in Frankfurt (ground transportation to Offenbach, approx. 20 minutes)
Sunday, June 22	Offenbach	Travel recovery day
Monday, June 23 (morning)	Offenbach	FANP Welcome and FANP Goal for Meeting NRC Introductions and NRC Goal for Meeting SWR 1000 Background • Design History • Novel Design Features Expectations for Finland Regulatory Review and Similarities to U.S. Process SWR 1000 Test History • Overview of European BWR Innovation Program • Testing at GmbH Facilities
Monday, June 23 (afternoon)	Offenbach	SWR 1000 Test History (continued) FANP QA Program • Programmatic Elements • Outside Audits and Certifications
Tuesday, June 24 (morning)	Karlstein (approx. 20 min. from Offenbach)	FANP Karlstein Lab Background and History GAP Facility Description • Thermal-hydraulics • Data Recording • Tour SWR 1000 Vent Tests • Test Specification • Equipment Installation • Test Performance (including a video) • Results Analysis and Use in Design

[1] FANP will arrange all ground transportation and lodging accommodations.

Day	Location	Event
Tuesday, June 24 (afternoon)	Karlstein	SWR 1000 Quencher Tests • Test Specification • Equipment Installation • Test Performance (including a video) • Results Analysis and Use in Design Quality Assurance for GAP Tests Karlstein Instrumentation Calibration Laboratory Other Tests at Karlstein • KATHY Loop – ATRIUM-12 CHF Tests (Overview) • Others as time permits Questions and answers specific to Karlstein Testing
Tuesday, June 24 (evening)		Travel to Erlangen (approx. 2 hours from Offenbach)
Wednesday, June 25 (morning)	Erlangen	FANP Welcome and FANP Goal for Meeting NRC Introductions and NRC Goal for Meeting FANP Erlangen – Overview • Analysis • Testing (overview including QA) Introduction to the Bensen CHF Testing Facility
Wednesday, June 25 (afternoon)	Erlangen	Severe Accident Management: SWR 1000 Design Features External Vessel Cooling • Test Specification • Heat Profile Determination • Scaling Investigation • Air-Water Test • Heated Segment Test • History • Status Quality Assurance for External Vessel Cooling Test • Data Recording and Analysis Systems • Instrumentation Calibration Lab
Thursday, June 26 (morning)	Erlangen	Fast Boron Injection Testing • Background (including TVO requirement) • Overview of System Testing (elsewhere) • Full-Scale Mixing Tests (video) • Results Analysis Tour PKL Facility (PWR Simulator)

Day	Location	Event
Thursday, June 26 (afternoon)	Erlangen	Questions and answers specific to Erlangen Testing Time reserved to observe any applicable testing in progress (i.e., either external vessel cooling testing at Erlangen or ATRIUM-12 testing at Karlstein)
Thursday, June 26 (evening)	[redacted]	Return to Frankfurt/Offenbach
Friday, June 27 (morning)	[redacted]	Concluding remarks Fly back to Washington, D.C.