

March 16, 2006

APPLICANT: Framatome ANP

PROJECT: EPR PRE-APPLICATION REVIEW

SUBJECT: SUMMARY OF JANUARY 10, 2006, MEETING WITH FRAMATOME ANP  
REGARDING EPR PRE-APPLICATION REVIEW TOPICS

On January 10, 2006, a public meeting was held between the U.S. Nuclear Regulatory Commission (NRC) staff and representatives of Framatome ANP (FANP). The purpose of this meeting was to discuss planning for Phase 2 of the pre-application review of the Evolutionary Power Reactor (EPR). A list of meeting attendees is included as Attachment 1. Attachment 2 contains handouts FANP provided at the meeting (ADAMS Accession Number ML060690019). A summary of the meeting is provided below.

FANP first presented a proposed meeting schedule for the remainder of 2006. The proposed meetings address items identified in earlier meetings, unique EPR design features, and long lead time items. Additional topics for discussion in 2007 were also identified, though target dates for those meetings have not yet been established. NRC staff feedback emphasized the need for each meeting to have a clear purpose and expected outcome.

FANP then described three topical report submittals it plans for 2006. Two of the planned submittals address aspects of the design basis thermal-hydraulic design, while the third addresses the EPR's severe accident performance. FANP plans to request NRC's review of each report be completed about a year after the submittal, but encouraged the NRC to identify different schedules if required by availability of resources.

The presentation then moved to FANP's proposal for additional submittals during the EPR pre-application review to facilitate early review, resolution, and approval of issues. The stated goal of this proposal is to provide a "head start" for portions of the NRC review of the design certification application, improve the efficiency of NRC review of that application, and to optimize NRC resource utilization.

FANP provided a list of criteria it used for the initial screening of early review candidate topics, and a preliminary schedule for submittals derived from these criteria. During a discussion of the candidate topics, NRC staff asked that FANP consider the risk and benefit of inclusion of a topic. The staff expressed concern that early review of some of the proposed topics would not provide a significant benefit to the eventual design certification review, and that there could be a risk that review effort completed in pre-application would have to be redone if there are design changes affecting that topic. In such an event, FANP's stated goals for early review would not be fulfilled.

After the meeting, FANP revised its list of proposed submittals, providing a revised set of proposed early review topics in a February 3, 2006, letter.

FANP discussed application of the Multinational Design Approval Program (MDAP) to the EPR review. The MDAP is an initiative approved by the Commission to leverage the expertise of the NRC's foreign counterparts in our reactor design reviews. In MDAP Stage 1, the NRC hopes to be able to take advantage of work done to review the EPR in Finland and France. Several topics were identified by FANP as potential topics for MDAP Stage 1, including probabilistic risk assessment, severe accident design features, engineered safety feature design, and fuel design.

Questions regarding this meeting can be directed to Joseph Williams at 301-415-1470, or at [jfw1@nrc.gov](mailto:jfw1@nrc.gov).

*/RA/*

Joseph F. Williams, Senior Project Manager  
New Reactor Licensing Branch  
Division of New Reactor Licensing  
Office of Nuclear Reactor Regulation

Project 733

cc: See next page

FANP discussed application of the Multinational Design Approval Program (MDAP) to the EPR review. The MDAP is an initiative approved by the Commission to leverage the expertise of the NRC's foreign counterparts in our reactor design reviews. In MDAP Stage 1, the NRC hopes to be able to take advantage of work done to review the EPR in Finland and France. Several topics were identified by FANP as potential topics for MDAP Stage 1, including probabilistic risk assessment, severe accident design features, engineered safety feature design, and fuel design.

Questions regarding this meeting can be directed to Joseph Williams at 301-415-1470, or at [jfw1@nrc.gov](mailto:jfw1@nrc.gov).

*/RA/*

Joseph F. Williams, Senior Project Manager  
New Reactor Licensing Branch  
Division of New Reactor Licensing  
Office of Nuclear Reactor Regulation

Project 733

cc: See next page

Distribution: See next page

ADAMS ACCESSION NO. ML060740086

OFFICE	PM:NRBA	BC:NRBA
NAME	JFWilliams	LDudes
DATE	03/15/2006	03/16/2006

**OFFICIAL RECORD COPY**

Distribution: Meeting Summary Re: EPR Pre-Application Review, dated March 16, 2006

**ML060740086**

Hard Copy

NRBA R/F

PUBLIC

WBeckner

LDudes

JWilliams

E-Mail:

PUBLIC

D. Matthews/WBeckner/JCalvo

E. Throm

H. Scott

Y. Hsii

S. Bajorek

G. Bagchi

E. Sullivan

C. Abbott

J. Danna

R. Denning

J. Flack

F. Eltawila

T. Mensah

N. Mamish

bhupinder.singh@hq.doe.gov

tom.miller@hq.doe.gov

bill.ascroft-hutton@hse.gsi.gov.uk

rzentkowskig@cnscccsn.gc.ca

kcrogers@aol.com

mod@inel.gov

jerald.holm@framatome-anp.com

Attendees

EPR Pre-application Meeting

January 10, 2006

Name	Affiliation
Frank Lopez, Jr.	Bechtel
John Polcyn	Bechtel
Joe Mihalcik	Constellation
Mike Milbradt	Constellation
Tom Roberts	Constellation
Joe Turnage	Constellation
George Wrobel	Constellation
Ray Ganthner	Framatome
Ronnie Gardner	Framatome
Alan Levin	Framatome
Brian McIntyre	Framatome
Sandra Sloan	Framatome
John Trotter	Framatome
Alan Beard	General Electric
Jenny Weil	McGraw-Hill
Kathryn Sutton	Morgan Lewis
Francis Akstulewicz	NRC
Sud Basu	NRC
William Beckner	NRC
Steven Bloom	NRC
Jose Calvo	NRC
Jeffrey Jacobson	NRC
Kendra Klump	NRC

Attachment

Name	Affiliation
Mark Kowal	NRC
Bruce Musico	NRC
Eric Oesterle	NRC
Gabriel Taylor	NRC
John Thorp	NRC
Kent Welter	NRC
Joe Williams	NRC
Jerry Wilson	NRC
Michael Woods	NRC
Russ Wells	Parallax
Charles Brinkman	Westinghouse
Donald Lindgren	Westinghouse

EPR

cc:

Mr. David Lochbaum, Nuclear Safety  
Engineer  
Union of Concerned Scientists  
1707 H Street, NW., Suite 600  
Washington, DC 20006-3919

Mr. Paul Gunter  
Nuclear Information & Resource Service  
1424 16th Street, NW, Suite 404  
Washington, DC 20036

Mr. James Riccio  
Greenpeace  
702 H Street, Suite 300  
Washington, DC 20001

Mr. Adrian Heymer  
Nuclear Energy Institute  
Suite 400  
1776 I Street, NW  
Washington, DC 20006-3708

Mr. Paul Leventhal  
Nuclear Control Institute  
1000 Connecticut Avenue, NW  
Suite 410  
Washington, DC 20036

Dr. Jack W. Roe  
Nuclear Energy Institute  
1776 I Street, NW  
Washington, DC 20006-3708

Mr. Brendan Hoffman  
Research Associate on Nuclear Energy  
and Environmental Program  
215 Pennsylvania Avenue, SE  
Washington, DC 20003

Mr. Jerald S. Holm  
Framatome ANP, Inc.  
3315 Old Forest Road  
P.O. Box 10935  
Lynchburg, VA 24506-0935

Ms. Patricia Campbell  
Morgan, Lewis & Bockius, LLP  
1111 Pennsylvania Avenue, NW  
Washington, DC 20004

Mr. Charles Brinkman, Director  
Washington Operations  
Westinghouse Electric Company  
12300 Twinbrook Parkway, Suite 330  
Rockville, MD 20852

Mr. Glenn H. Archinoff  
AECL Technologies  
481 North Frederick Avenue  
Suite 405  
Gaithersburg, MD. 20877

Mr. Gary Wright, Manager  
Office of Nuclear Facility Safety  
Illinois Department of Nuclear Safety  
1035 Outer Park Drive  
Springfield, IL 62704

Mr. Ronald P. Vijuk  
Manager of Passive Plant Engineering  
AP1000 Project  
Westinghouse Electric Company  
P. O. Box 355  
Pittsburgh, PA 15230-0355

Mr. Ed Wallace, General Manager  
Projects  
PBMR Pty LTD  
PO Box 9396  
Centurion 0046  
Republic of South Africa

Mr. Russell Bell  
Nuclear Energy Institute  
Suite 400  
1776 I Street, NW  
Washington, DC 20006-3708

Ms. Kathryn Sutton, Esq.  
Morgan, Lewis & Bockius, LLP  
1111 Pennsylvania Avenue, NW  
Washington, DC 20004

Mr. Robert E. Sweeney  
IBEX ESI  
4641 Montgomery Avenue  
Suite 350  
Bethesda, MD 20814

E-Mail:

tom.miller@hq.doe.gov or  
tom.miller@nuclear.energy.gov  
jerald.holm@framatome-anp.com  
mwetterhahn@winston.com  
gcesare@enercon.com  
eddie.grant@exeloncorp.com  
whorin@winston.com  
steven.hucik@ge.com  
david.hinds@ge.com  
chris.maslak@ge.com  
james1beard@ge.com  
louis.quintana@ge.com