

October 14, 2005

MEMORANDUM TO: Daniel S. Collins, Acting Chief, Section 2  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

FROM: David H. Jaffe, Senior Project Manager, Section 1/**RA**/  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

SUBJECT: FORTHCOMING MEETING WITH THE ELECTRIC POWER  
RESEARCH INSTITUTE (EPRI), FUEL VENDORS, AND OTHERS

DATE & TIME: Wednesday, November 2, 2005  
9:00 a.m. - 4:00 p.m.

LOCATION: U.S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike, Room O-14B8  
Rockville, Maryland 20852

PURPOSE: To discuss the draft responses provided to NRR regarding concerns with the Reactivity-Initiated Accident Topical Report (EPRI 1002865). The focus will be on key areas of concern and the next steps. In addition, there will be a discussion of the Industry Guide (IG) for Burnup Extension (EPRI 1008108). The focus will be on the role of the IG with respect to vendor-specific topical reports, proposed approach to source-term concerns, approach and schedule for addressing remaining NRR concerns, and the next steps.

CATEGORY:\* This is a category 2 meeting. The public is invited to participate in this meeting by discussing regulatory issues with the NRC at designated points identified on the agenda. Certain portions of this meeting will be closed to the public because the staff has determined that the information is proprietary in nature.

\* Commission's Policy Statement on "Enhancing Public Participation in NRC Meetings," (67 FR 36920) May 28, 2002

PARTICIPANTS:

NRC STAFF

P. Clifford  
F. Akstulewicz  
D. Jaffe

EPRI

R. Yang  
O. Ozer

FUEL VENDORS

B. Dunn (Framatome)  
J. Holm (Framatome)  
G. Potts (GNF)  
D. Mitchell (Westinghouse)  
M. Nissley (Westinghouse)  
R. Schoff (Westinghouse)

OTHER ORGANIZATIONS

N. Waeckel (EDF)  
R. Tsai (Exelon)  
R. Harris (NMC)  
A. Alapour (SNOC)  
W. Choe (TXU)  
R. Montgomery (Anatech)  
J. Alvis (Anatech)  
J. Rashid (Anatech)  
G. Cleifton (NEI)

Project No. 669

Attachment: Agenda (ADAMS Accession No. ML052790574)

cc w/att: See next page

MEETING CONTACT: David H. Jaffe  
301-415-1439  
[dhj@nrc.gov](mailto:dhj@nrc.gov)

PARTICIPANTS:

NRC STAFF

P. Clifford  
F. Akstulewicz  
D. Jaffe

EPRI

R. Yang  
O. Ozer

FUEL VENDORS

B. Dunn (Framatome)  
J. Holm (Framatome)  
G. Potts (GNF)  
D. Mitchell (Westinghouse)  
M. Nissley (Westinghouse)  
R. Schoff (Westinghouse)

OTHER ORGANIZATIONS

N. Waeckel (EDF)  
R. Tsai (Exelon)  
R. Harris (NMC)  
A. Alapour (SNOC)  
W. Choe (TXU)  
R. Montgomery (Anatech)  
J. Alvis (Anatech)  
J. Rashid (Anatech)  
G. Cleifton (NEI)

Project No. 669

Attachment: Agenda (ADAMS Accession No. ML052790574)

cc w/att: See next page

MEETING CONTACT: David H. Jaffe  
301-415-1439  
[dhj@nrc.gov](mailto:dhj@nrc.gov)

DISTRIBUTION:

PUBLIC

PDIV-1 r/f

RidsNrrAdpt (BSheron)

RidsNrrDlpm (LMarsh/CHaney)

RidsNrrDlpmLpdiv (HBerkow)

RidsNrrDlpmLpdiv2 (DCollins)

RidsNrrPMDJaffe

RidsNrrLADBaxley

RidsAcrsAcnwMailCenter

RidsOgcMailCenter

RidsOpaMailCenter

PClifford

FAkstulewicz

RidsNrrAdpt (KGrimes)

RJasinski

PMNS

Receptionist (OWFN/TWFN) (hard copy)

ACCESSION NO: ML052790574

OFFICE	PDIV-1/PM	PDIV-1/LA	PDIV-1/SC
NAME	DJaffe	DJohnson for DBaxley	DTerao
DATE	10/14/05	10/14/05	10/14/05

OFFICIAL RECORD COPY

cc:

Mr. David J. Modeen  
Vice President and Chief Nuclear Officer  
EPRI  
1300 W. T. Harris Boulevard  
Charlotte, NC 28262

Mr. James Lang, Director  
EPRI  
1300 W.T. Harris Boulevard  
Charlotte, NC 28262

Mr. Warren Bilanin, Director  
EPRI  
3412 Hillview Avenue  
Palo Alto, CA 94304

Mr. Alexander Marion  
Senior Director, Engineering  
Nuclear Energy Institute  
1776 I Street, NW, Suite 400  
Washington, DC 20006-3708

Mr. Gary L. Vine, Executive Director  
Federal and Industry Activities, Nuclear Sector  
EPRI  
2000 L Street, NW, Suite 805  
Washington, DC 20036

AGENDA FOR OCTOBER 25, 2005, MEETING  
WITH EPRI, FUEL VENDORS, AND OTHERS

- Introduction
- Discussion of the following:
  - The draft responses to the NRC staff's concerns regarding the Reactivity-Initiated Accidents TR.
  - The evolution of the fuel pellet structure with burnup including the characterization of the rim region and the overall pellet structure.
  - The radiological source term including degradation of the fuel pellet structure with burnup and how the development of a high burnup rim region will affect the radiological source term.
  - The industry's responsibility to characterize and quantify the fission gas release resulting from normal steady-state operation, power ramps/maneuvers, anticipated operational occurrences and accident scenarios.
  - Short-term storage (i.e., spent fuel pool, dry-cask), transportation, and long-term disposal will be discussed.
  - Address how, from a process perspective, vendors would successfully deviate from the established guidelines and how the technical report (TR) should define a process for amending the information in the TR, if needed (i.e., to integrate new testing information or new operating experience).
  - Address the responsibility of the industry to obtain loss-of-coolant accident testing data to validate their clad materials' performance at high burnup.
- Public Comment
- Adjourn