

February 24, 2000

MEMORANDUM TO: Cynthia A. Carpenter, Chief  
Generic Issues, Environmental, Financial  
and Rulemaking Branch  
Division of Regulatory Improvement Programs, NRR

FROM: Peter C. Wen, Project Manager/**AR**/  
Generic Issues, Environmental, Financial  
and Rulemaking Branch  
Division of Regulatory Improvement Programs, NRR

SUBJECT: NOTICE OF MEETING WITH NUCLEAR ENERGY INSTITUTE (NEI)  
AND ELECTRIC POWER RESEARCH INSTITUTE (EPRI) REGARDING  
HIGH BURNUP FUEL ISSUES

DATE AND TIME: March 30, 2000  
9:00 a.m. - 11:40 a.m.

LOCATION: U.S. Nuclear Regulatory Commission  
One White Flint North  
11555 Rockville Pike  
Rockville, Maryland 20852  
Room O-10B4

PURPOSE: To discuss issues related to high burnup fuel. A preliminary agenda is  
attached.

PARTICIPANTS\*: NRC  
J. Wermiel  
R. Caruso  
M. Chatterton  
F. Eltawila  
R. Meyer  
D. Meyer  
G. Mizuno, et al.

INDUSTRY  
T. Rieck, Com Ed  
D. Modeen, NEI  
J. Butler, NEI  
N. Waeckel, EPRI  
R. Montgomery, EPRI, et al.

Project Nos. 689 and 669  
Attachment: Agenda  
cc: See next page

\*Meetings between the NRC technical staff and applicants or licensees are open for interested members of the public, petitioners, interveners, or other parties to attend as observers pursuant to "Commission Policy Statement on Staff Meeting Open to the Public," 59 Federal Register 48344, 9/20/94. Members of the public who wish to attend should contact P. Wen at (301) 415-2832 or [pxw@nrc.gov](mailto:pxw@nrc.gov).

NRC-INDUSTRY MEETING  
HIGH BURNUP FUEL ISSUES

March 30, 2000 9:00 am - 11:40 am  
Room O-10B4

Preliminary Agenda

- |       |                                                                                                                                                                                                                               |                               |
|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|
| 9:00  | Introductions and Opening Remarks                                                                                                                                                                                             | Rieck, Com Ed<br>Wermiel, NRC |
| 9:10  | Industry Guide for Establishing Criteria for Fuel Burnup Extensions Beyond 62 GWD/MTU <ul style="list-style-type: none"><li>● Process/Approach</li></ul>                                                                      | Montgomery, Anatech           |
| 9:30  | Demonstration Cases <ul style="list-style-type: none"><li>● Design Stress</li><li>● Rod Internal Pressure</li><li>● Excessive Fuel Enthalpy</li><li>● Violent Expulsion of Fuel</li></ul>                                     | Montgomery, Anatech           |
| 10:30 | NRC Initiatives <ul style="list-style-type: none"><li>● Decay Heat Curve</li><li>● Different Metal-Water Reaction Models</li></ul>                                                                                            | Eltawila, NRC                 |
| 10:50 | Break                                                                                                                                                                                                                         |                               |
| 11:00 | Cladding Material Petition                                                                                                                                                                                                    | Modeen, NEI<br>Brunson, FTI   |
| 11:20 | Discussion <ul style="list-style-type: none"><li>● Feedback/Technical Questions</li><li>● Proposed Schedule: Future Interactions/Submittals</li><li>● Review Fee Waiver (burnup extension licensing criteria guide)</li></ul> | All                           |
| 11:40 | Adjourn                                                                                                                                                                                                                       |                               |

ATTACHMENT

cc: Mr. Ralph Beedle  
Senior Vice President  
and Chief Nuclear Officer  
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Mr. Anthony Pietrangelo, Director  
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Project No. 669

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Mr. James F. Lang  
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TKenyon

GHolahan/TCollins

J. Wermiel

F. Akstulewicz

R. Caruso

E. Rossi, RES

F. Eltawila, RES

R. Meyer, RES

M. Tschiltz, EDO

D. Meyer, RDB

S. Treby, OGC

G. Mizuno, OGC

PMNS

OPA