

March 10, 2003

MEMORANDUM TO: Stephen Dembek, Chief, Section 2  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

FROM: Drew Holland, Project Manager, Section 2 /RA/  
Project Directorate IV  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF NOVEMBER 4, 2002, MEETING WITH THE BOILING  
WATER REACTOR OWNERS GROUP ON TECHNICAL  
SPECIFICATION TASK FORCE ITEMS 225, 226, AND 232

On November 4, 2002, the Boiling Water Reactor Owners Group (BWROG) met with the NRC staff to discuss Technical Specification Task Force (TSTF) items 225, 226 and 232. The meeting was an open, Category 2 meeting. No handout was provided by the B&WOG.

The BWROG made a brief presentation requesting the approval by the staff of TSTF-225 and TSTF-232. They formally withdrew TSTF-226, "Fuel Loading with Control Rods Withdrawn or Removed from Defueled Core Cells."

R. Caruso of the Reactor Systems Branch pointed out that there have been a lot of problems with refueling interlocks in industry to date. He also pointed out that no plant has a standard set of technical specifications covering the area of discussion. He discussed the importance of adherence to the "double contingency principle" in the area of refueling/control rod blade movement at this time when fuel enrichments are being increased. Of particular concern to him are scenarios involving both fuel and control rod blade movements at the same time. He stated that an incident had occurred in France involving the misplacement of 120 fuel bundles in incorrect locations. Mr. Silko of Vermont Yankee pointed out that the only way to move more than one control rod blade at a time is to perform the manipulations from the top of the vessel. Ms. Abdullahi of the staff questioned how the industry verifies that all control rods are inserted. The BWROG stated that they will submit a document for staff review that will integrate Sections 3.9 and 3.10 of the Standard Technical Specifications in question. Mr. Caruso encouraged this approach. Mr. Silko stressed that with each control rod movement, the associated refueling interlocks are tested twice. He also indicated that TSTF-225 has been approved by the staff in all respects except the surveillance interval. He explained that a number of boiling water reactors have it with a seven-day surveillance and he indicated that seven days is the appropriate interval. The discussion also revealed that refueling can be accomplished with the mode switch in shutdown.

S. Dembek

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The BWROG acknowledged the need for a Standard Technical Specification 3.9 and 3.10 integration document. Some additional discussion took place regarding the disconnection of control rod position indicating probes to allow control rod removal from the core. No regulatory decisions were made in the meeting.

Project No. 691

Attachment: Meeting Attendees

cc w/att: See next page

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Attachment: Meeting Attendees

cc w/att: See next page

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**Package No.: ML030700002**

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OFFICE	PDIV-2/PM	PDIV-2/LA	SRXB	PDIV-2/SC
NAME	DHolland	EPeyton	RCaruso	JDonohew for SDembek
DATE	3/4/03	3/4/03	3/4/03	3/7/2003

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cc:

Mr. Kenneth Putnam, Vice Chairman  
BWR Owners Group  
Nuclear Management Company  
Duane Arnold Energy Center  
3277 DAEC Rd.  
Palo, IA 52324

Mr. Lesley A. England  
Reactor Response Group Chairman  
BWR Owners Group  
ENTERGY  
M-ECH-414  
P.O. Box 31995  
Jackson, MS 39286-1995

Mr. H. Lewis Sumner  
Southern Nuclear Company  
40 Inverness Center Parkway  
P.O. Box 1295  
Birmingham, AL 35242

Mr. Carl D. Terry  
Vice President, Nuclear Engineering  
Nine Mile Point - Station  
OPS Bldg/2nd Floor  
P.O. Box 63  
Lycoming, NY 13093

Mr. Thomas G. Hurst  
GE Nuclear Energy  
M/C 782  
175 Curtner Avenue  
San Jose, CA 95125

Mr. Thomas A. Green  
GE Nuclear Energy  
M/C 782  
175 Curtner Avenue  
San Jose, CA 95125

Mr. James Meister  
Exelon  
Cornerstone II at Cantera  
4300 Winfield Road  
Warrenville, IL 60555

Mr. William A. Eaton  
ENTERGY  
Grand Gulf Nuclear Station  
P.O. Box 756  
Port Gibson, MS 39150

Mr. Mark Reddeman  
Vice President Engineering  
Point Beach Nuclear Plant  
6610 Nuclear Road  
Two Rivers, WI 54241

Mr. Richard Libra  
DTE Energy  
Fermi 2  
M/C 280 OBA  
6400 North Dixie Highway  
Newport, MI 48166

Mr. James F. Klapproth  
GE Nuclear Energy  
M/C 706  
175 Curtner Avenue  
San Jose, CA 95125

Mr. J. A. Gray, Jr., Chairman  
BWR Owners Group  
Entergy Nuclear Northeast  
440 Hamilton Avenue Mail Stop 12C  
White Plains, NY 10601-5029

**MEETING WITH THE BOILING WATER REACTOR OWNERS GROUP  
ON TECHNICAL SPECIFICATION TASK FORCE ITEMS 225, 226, AND 232**

**NOVEMBER 4, 2002**

**ATTENDANCE LIST**

**Boiling Water Reactor Owners Group**

D. Hoffman (Excel)  
T. Silko (Vermont Yankee)

**NRC**

D. Holland  
R. Caruso  
Z. Abdullahi  
R. Tjader