

May 30, 2000

Mr. Alan Hackerott, Chairman  
CEOG PSA Subcommittee  
Omaha Public Power District  
Ft. Calhoun Nuclear Station  
P.O. Box 399  
Ft. Calhoun, NE 68023-0399

SUBJECT: APRIL 6-7, 2000: SUMMARY OF MEETING WITH CEOG PSA SUBCOMMITTEE

Dear Mr. Hackerott:

The purpose of this letter is to transmit a summary of a meeting with the Combustion Engineering Owners Group (CEOG) Probabilistic Safety Assessment Subcommittee(PSASC). The meeting took place at the ABB Combustion Engineering offices in Windsor, Connecticut, on April 6-7, 2000.

Sincerely,

*/RA/*

William D. Beckner, Chief  
Technical Specifications Branch  
Office of Nuclear Reactor Regulation

Enclosures: 1. CEOG PSASC Meeting Summary  
2. Attendance List  
3. Meeting Presentations

cc: See attached list

May 30, 2000

Mr. Alan Hackerott, Chairman  
CEOG PSA Subcommittee  
Omaha Public Power District  
Ft. Calhoun Nuclear Station  
P.O. Box 399  
Ft. Calhoun, NE 68023-0399

SUBJECT: APRIL 6-7, 2000: SUMMARY OF MEETING WITH CEOG PSA SUBCOMMITTEE

Dear Mr. Hackerott:

The purpose of this letter is to transmit a summary of a meeting with the Combustion Engineering Owners Group (CEOG) Probabilistic Safety Assessment Subcommittee(PSASC). The meeting took place at the ABB Combustion Engineering offices in Windsor, Connecticut, on April 6-7, 2000.

Sincerely,

*/RA/*

William D. Beckner, Chief  
Technical Specifications Branch  
Office of Nuclear Reactor Regulation

- Enclosures: 1. CEOG PSASC Meeting Summary  
2. Attendance List  
3. Meeting Presentations

cc: See attached list  
Project No. 692

DISTRIBUTION:

ADAMS                      JJohnson      WBeckner      MRubin      TSB R/F  
PUBLIC                     DMatthews    RDennig      MReinhart    TSB Staff  
SJCollins                 SNewberry    RBarrett      MWohl        JCushing

ACCESSION NUMBER: ML003719145 (Letter)

OFFICE	NRR/DRIP/RTSB	NRR/DRIP/RTSB	C:NRR/DRIP/RTSB
NAME	NVGilles <b>NVG</b>	RLDennig <b>RLD</b>	WDBeckner <b>WDB</b>
DATE	05/30/2000	05/30/2000	05/30/2000

**OFFICIAL RECORD COPY**

A. Hackerott

May 30, 2000

cc: Mr. Gordon C. Bischoff, Project Director  
CE Owners Group  
ABB Combustion Engineering Nuclear Power  
M.S. 9615-1932  
2000 Day Hill Road  
Post Office Box 500  
Windsor, CT 06095

Mr. Ralph Phelps, Chairman  
CE Owners Group  
Omaha Public Power District  
P.O. Box 399  
Ft. Calhoun, NE 68023-0399

Mr. Ian C. Rickard, Director  
Nuclear Licensing  
ABB Combustion Engineering Nuclear Power  
2000 Day Hill Road  
Post Office Box 500  
Windsor, CT 06095

Mr. Charles B. Brinkman, Manager  
Washington Operations  
ABB Combustion Engineering Nuclear Power  
12300 Twinbrook Parkway, Suite 330  
Rockville, MD 20852

Mr. Ray Schneider  
ABB Combustion Engineering Nuclear Power  
1000 Prospect Hill Road  
P.O. Box 500  
Windsor, CN 06095-0500

Mr. Paul Hijeck  
ABB Combustion Engineering Nuclear Power  
1000 Prospect Hill Road  
P.O. Box 500  
Windsor, CN 06095-0500

COMBUSTION ENGINEERING OWNERS GROUP (CEOG)  
PROBABILISTIC SAFETY ASSESSMENT SUBCOMMITTEE (PSASC)  
MEETING SUMMARY  
April 6-7, 2000

A meeting between the CEOG PSASC and NRC staff was held on April 6-7, 2000. The attendees are listed in Enclosure 2. Copies of the meeting presentations are contained in Enclosure 3.

A representative from the CEOG made a presentation on the Owners Group's work on thermally induced steam generator tube ruptures (TI-SGTR) (see Enclosure 3). The CEOG agreed to consider a proposal by ABB Combustion Engineering (ABB-CE) to create a PRA standard for TI-SGTRs. The CEOG stated that, if they went forward with development of a standard, they would ensure there was interaction with the NRC during the standard development.

Following this presentation, the NRC staff and the CEOG discussed an NRC policy being developed with respect to the staff's authority to request risk information from a licensee requesting a licensing basis change when such information is not provided with the original submittal. The staff indicated that a discussion of this topic would be included in Revision 1 to Regulatory Guide (RG) 1.174, "An Approach for Using Probabilistic Risk Assessment in Risk-Informed Decisions on Plant-Specific Changes to the Licensing Basis," which is currently being developed by the staff. The staff added that Revision 1 of RG 1.174 would be published for public comment before it was issued in final form.

A representative from the CEOG made a presentation on the CEOG PSASC Vision (see Enclosure 3). The group discussed the CEOG standard for transition risk. Representatives from two of the utilities stated that they had transition risk models and that the cost to develop them was small and they estimated that the development took about one man-month worth of effort. The group stated that the CEOG transition mode reports were shared with the other Owners Groups. The group discussed one of the industry's risk-informed technical specification (RI-TS) initiatives to make hot shutdown the preferred TS end state for PWRs and how the success of the initiative might obviate the need to take transition risk models to cold shutdown.

The NRC introduced discussion of an initiative recently introduced by the Nuclear Energy Institute (NEI) to pursue a joint rulemaking effort involving the TS rule (10 CFR 50.36) and the maintenance rule (10 CFR 50.65). The staff related NEI's characterization of the joint rulemaking effort as a parallel effort to the RI-TS initiatives. The group discussed that the RI-TS initiatives should continue to be pursued because they are necessary to show early success and progression toward long-term goals.

The group discussed the CEOG PSASC's PRA cross comparison activities and their use in future applications. The groups also discussed the NRC staff's need for information on these activities and the staff's intended use of such information with regard to future applications. The staff indicated that a description of the PRA cross comparison process, any peer reviews completed, and the CEOG's work in development of PRA standards would be useful for future

risk-informed applications.

A CEOG PSASC representative provided the status of the CEOG Joint Applications Reports currently under review by the NRC staff (see Enclosure 3). The group discussed the submittal of the most recent report, CE NPSD-1184, Joint Applications Report for DC Power Source Allowed Outage Time Extension,” and its relation to a recent proposed change to the standard technical specifications (STS), TSTF-360, submitted to the NRC staff by the Nuclear Energy Institute Technical Specification Task Force (TSTF). TSTF-360 also proposed changes to the STS requirements for DC sources.

The group also discussed the status of the CEOG’s revision to CE NPSD-1041, “Joint Applications Report for High Pressure Safety Injection System Technical Specification Modifications,” and the possibility of using the High Pressure Safety Injection (HPSI) System as a pilot for the industry’s risk-informed technical specification initiative to replace fixed TS allowed outage times (AOTs) with a configuration risk management program (Initiative #4). The group discussed whether it was appropriate to include a “backstop” AOT in the proposal for Initiative #4 and what additional guidance would be needed for such a TS initiative beyond the guidance that is being provided for implementation of the revised maintenance rule [10 CFR 50.65(a)(4)]. In addition, the group discussed other requirements for the implementation of Initiative #4 including the need for a PRA tool that could address transition and shutdown issues and the need to develop decision criteria. The CEOG presented some preliminary thoughts with regard to implementation of Initiative #4 (see Enclosure 3).

At the conclusion of the meeting the CEOG PSASC announced that their next meeting would take place August 9-11, 2000, at the ABB-CE offices in Windsor, Connecticut.

## Meeting Attendees

<u>Name</u>	<u>Affiliation</u>
Ray Schneider	ABB-Combustion Engineering
Alan Hackerott	Omaha Public Power District
Paul Hijeck	ABB-Combustion Engineering
Bob Lindquist	Arizona Public Service
Gary Chung	Southern California Edison
David Finnicum	ABB-Combustion Engineering
Bob Jaquith	ABB-Combustion Engineering
Sue Jaquith	ABB-Combustion Engineering
Steve Lurie	ABB-Combustion Engineering
Gerhard Samide	ABB-Combustion Engineering
Gordon Gischoff	ABB-Combustion Engineering
Rupert Weston	ABB-Combustion Engineering
Millard Wohl	NRC/NRR/SPSB
Nicholas Saltos	NRC/NRR/SPSB
Robert Dennig	NRC/NRR/RTSB
Nanette Gilles	NRC/NRR/RTSB

Enclosure 3  
Meeting Presentations