



UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
WASHINGTON, D. C. 20545

April 15, 1992

Docket No. 52-002

MEMORANDUM FOR: T. Murley D. Crutchfield G. Holahan  
F. Miraglia J. Zwolinski B. Grimes  
W. Russell M. Virgilio F. Congel  
J. Partlow W. Travers J. Roe  
F. Gillespie E. Butcher A. Chaffee  
S. Varga C. Rossi W. Bateman  
G. Lainas J. Richardson L. Plisco  
J. Calvo A. Thadani M. Slosson  
B. Boger Operations Center

THRU: Robert C. Pierson, Director  
Standardization Project Directorate  
Division of Advanced Reactors  
and Special Projects  
Office of Nuclear Reactor Regulation

FROM: Thomas V. Wambach, Project Manager  
Standardization Project Directorate  
Division of Advanced Reactors  
and Special Projects  
Office of Nuclear Reactor Regulation

SUBJECT: DAILY HIGHLIGHT -- FORTHCOMING MEETING WITH ABB COMBUSTION  
ENGINEERING NUCLEAR POWER (CE) FOR SYSTEM 80+ (MECHANICAL  
DESIGN)

DATE AND TIME: April 22, 1992, 10:00 a.m. - 5:00 p.m.  
April 23, 1992, 8:30 a.m. - 5:00 p.m.

LOCATION: Duke Engineering and Services, Inc.  
230 South Tryon Street  
Charlotte, North Carolina

PURPOSE: Discuss mechanical design issues relating to the CE System  
80+ design (agenda enclosed).

DF03  
111

9204200079 920415  
PDR ADDCK 05200002  
PDR

NRC FILE CENTER COPY

April 15, 1992

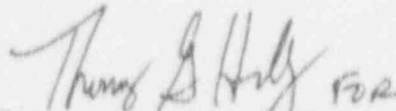
PARTICIPANTS\*:

NRC

G. Bagchi  
D. Teran  
P. T. Kuo  
H. Brammer  
J. McIntire  
T. J. Kim  
E. Rodabaugh, Contractor

CE

S. Ritterbusch  
Duke Engineering and Services  
Representatives



Thomas V. Wambach, Project Manager  
Standardization Project Directorate  
Division of Advanced Reactors  
and Special Projects  
Office of Nuclear Reactor Regulation

Enclosure:  
As stated

cc: See next page

\*Meetings between the NRC technical staff and applicants or licensees are open for interested members of the public, petitioners, intervenors, or other parties to attend as observers pursuant to "Open Meeting Statement of NRC Staff Policy," 43 Federal Register 28058, 6/28/78. Members of the public who wish to attend should contact me at (301) 504-1103.

April 15, 1992

PARTICIPANTS\*:

NRC

G. Bagchi  
D. Terao  
P. T. Kuo  
H. Brammer  
J. McIntire  
T. J. Kim  
E. Rodabaugh, Contractor

CE

S. Ritterbusch  
Duke Engineering and Services  
Representatives

*Thomas V. Wambach FOR*

Thomas V. Wambach, Project Manager  
Standardization Project Directorate  
Division of Advanced Reactors  
and Special Projects  
Office of Nuclear Reactor Regulation

Enclosure:  
As stated

cc: See next page

DISTRIBUTION:  
See next page

\*Meetings between the NRC technical staff and applicants or licensees are open for interested members of the public, petitioners, intervenors, or other parties to attend as observers pursuant to "Open Meeting Statement of NRC Staff Policy," 43 Federal Register 28058, 6/28/78. Members of the public who wish to attend should contact me at (301) 504-1103.

OFC: LA:PDST:CAR  
NAME: PShea *for*  
DATE: 04/15/92

PM: PUS/DAR  
TWambach *FOR*  
04/15/92

*John*  
SC: PDST: DAR  
JNWilson  
04/15/92

OFFICIAL DOCUMENT COPY: CEMT4223.TH

cc: Mr. E. H. Kennedy, Manager  
Nuclear Systems Licensing  
Combustion Engineering  
1000 Prospect Hill Road  
Windsor, Connecticut 06095

Mr. A. E. Scherer, Vice President  
Nuclear Quality  
ABB Combustion Engineering Nuclear Power  
1000 Prospect Hill Road  
Windsor, Connecticut 06095

Mr. C. E. Brinkman, Manager  
Washington Nuclear Operations  
Combustion Engineering, Inc.  
12300 Twinbrook Parkway  
Suite 330  
Rockville, Maryland 20852

Mr. Stan Ritterbusch  
Nuclear Licensing  
Combustion Engineering  
1000 Prospect Hill Road  
Post Office Box 500  
Windsor, Connecticut 06095

Mr. Daniel F. Giessing  
U. S. Department of Energy  
NE-42  
Washington, D.C. 20585

Mr. Steve Goldberg  
Budget Examiner  
725 17th Street, N.W.  
Washington, D.C. 20503

Mr. Raymond Ng  
1776 Eye Street, N.W.  
Suite 300  
Washington, D.C. 20006

DISTRIBUTION:

Docket File  
NRC PDR  
POST R/F  
TMurley/FMiraglia, 12G18  
DCrutchfield  
WTravers  
JNWilson  
RPIerson  
TVWambach  
RBorchardt  
RNease  
THiltz  
Shea  
AChaffee, EAB  
JMoore, 15B18  
EJordan, MNBB 3701  
BGrimes  
GGrant, EDO  
ACRS (10)  
OPA  
ETana, PMAS  
PO'Dell, PMAS  
LPlisco, 12G18  
GBagchi  
DTerao  
PTKuo  
HBrammer  
JMcIntyre  
ERodabaugh  
TJKim

## AGENDA

The following is a list of proposed discussion topics for the April 22 and 23, 1992, meeting between the NRC staff and representatives from ABB Combustion Engineering Nuclear Power and from Duke Engineering and Services, Inc., to be held in Charlotte, North Carolina. The purpose of the meeting is to discuss mechanical design issues relating to the CE System 80+ design.

- Seismic input loadings to piping and equipment design - floor response spectra
- Piping arrangement inside and outside reactor containment
- Demonstration of three-dimensional modeling of piping and equipment in buildings using the computer programs
- Use of leak before break in Classes 1, 2, and 3 piping - criteria, sample calculations, etc.
- Guidelines for the design of distribution systems - piping, HVAC, cable trays and conduits, and pneumatic piping
- Review of design specifications for ASME Code Classes 1, 2, and 3 piping, pumps and valves
- Effect on the design of mechanical components and piping of the OBE level as one-third the SSE value