

November 15, 2000

MEMORANDUM TO: Stuart A. Richards, Director  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

FROM: Jack Cushing, Project Manager, Section 2 */RA/*  
Project Directorate IV & Decommissioning  
Division of Licensing Project Management  
Office of Nuclear Reactor Regulation

SUBJECT: SUMMARY OF MEETING HELD ON NOVEMBER 3, 2000, WITH CE  
NUCLEAR POWER LLC

On November 3, 2000, the NRC staff met with CE Nuclear Power (CENP) at the NRC headquarters in Rockville, Maryland, to discuss issues related to Topical Report CENPD-132, Supplement 4, "Calculative Methods for the CE Nuclear Power Large Break LOCA Evaluation Model." The attendees are shown in the attached list.

In the meeting, CENP answered the staff's questions related to CENP's proposed changes to its 1985 large break LOCA evaluation model (EM), which constitute the 1999 EM. To expedite the closure of the staff's review of the topical report, the following action items were identified:

1. CENP will evaluate the effects of possible U-tube uncovering and provide justification for its assumption in the steam venting steam generator model that the U-tubes are covered by steam generator secondary side liquid.
2. CENP will evaluate the effects of neglecting the wall heat transfer to the steam generator (SG) secondary side steam region in the SG modeling.
3. CENP will provide comparisons of two additional FLECHT-SEASET separate effects test cases (Nos. 22010 and 22503) for the validation of the steam venting SG model. CENP will also provide comparisons on the primary side steam temperatures for those cases analyzed.
4. CENP will provide a brief description of the control logic for the calculation of the injection section  $\Delta P$  from nitrogen injection to ensure compliance with the existing safety evaluation report limits on the  $\Delta P$ s of the safety injection tank injection and pump injection.
5. CENP will provide a summary statement that all the methodology changes described in CENPD-132, Supplement 4, have been included in the 1985 EM.

6. NRC will evaluate CENP's position that the result of the sensitivity study of the refueling water storage tank water temperature used for the safety injection and containment spray is generically applicable to all CENP-designed plants.
7. NRC will evaluate the acceptability of using the 1999 EM automatic/integrated code system as a vehicle for performing the 1985 EM licensing calculations.

It was also agreed that a conference call will be held on or before November 13, 2000, for the resolution of these items.

Project No. 692

Attachment: Attendance List

cc w/att: See next page

- 6. NRC will evaluate CENP's position that the result of the sensitivity study of the refueling water storage tank water temperature used for the safety injection and containment spray is generically applicable to all CENP-designed plants.
- 7. NRC will evaluate the acceptability of using the 1999 EM automatic/integrated code system as a vehicle for performing the 1985 EM licensing calculations.

It was also agreed that a conference call will be held on or before November 13, 2000, for the resolution of these items.

Project No. 692

Attachment: Attendance List

cc w/att: See next page

DISTRIBUTION:

PUBLIC

PDIV-2 Reading

JZwolinski/SBlack (RidsNrrDlpm)

SRichards (RidsNrrDlpmLpdiv)

SDembek

JCushing (RidsNrrPMJCushing)

EPeyton (RidsNrrLAEPeyton)

RidsOgcMailCenter

RidsAcrsAcnwMailCenter

FAkstulewicz

YHsii

FOrr

Meeting Notice: ML003762922

Accession No. ML003769587

Package No: ML003769595

|        |              |           |           |
|--------|--------------|-----------|-----------|
| OFFICE | PDIV-2/PM    | PDIV-2/LA | PDIV-2/SC |
| NAME   | JCushing:lcc | EPeyton   | SDembek   |
| DATE   | 11/14/00     | 11/14/00  | 11/14/00  |

OFFICIAL RECORD COPY

CE Owners Group

Project No. 692

cc:

Mr. Gordon C. Bischoff, Project Director  
CE Owners Group  
Westinghouse Electric Company  
CE Nuclear Power, LLC  
M.S. 9615-1932  
2000 Day Hill Road  
Post Office Box 500  
Windsor, CT 06095

Mr. Richard Bernier, Chairman  
CE Owners Group  
Mail Stop 7868  
Arizona Public Service Company  
Palo Verde Nuclear Generating Station  
P.O. Box 52034  
Phoenix, Arizona 85072-2034

Mr. Charles B. Brinkman, Manager  
Washington Operations  
Westinghouse Electric Company  
CE Nuclear Power, LLC  
12300 Twinbrook Parkway, Suite 330  
Rockville, MD 20852

Mr. Virgil Paggen  
CE Nuclear Power LLC  
M. S. 9383-1922  
2000 Day Hill Road  
Windsor, CT 06095-1922

Mr. Philip W. Richardson, Manager  
Windsor Nuclear Licensing  
Westinghouse Electric Company  
CE Nuclear Power, LLC  
P.O. Box 500  
2000 Day Hill Road  
Windsor, CT 06095-0500

MEETING TO DISCUSS ISSUES RELATED TO TOPICAL REPORT

CENPD-132, SUPPLEMENT 4

NOVEMBER 3, 2000

MEETING ATTENDEES

| <u>NAME</u>         | <u>ORGANIZATION</u>      |
|---------------------|--------------------------|
| Jack Cushing        | NRC/NRR                  |
| Frank Orr           | NRC/NRR                  |
| Francis Akstulewicz | NRC/NRR                  |
| Y. Gene Hsii        | NRC/NRR                  |
| Charles Brinkman    | Westinghouse - Rockville |
| Rubin Espinosa      | Westinghouse - Windsor   |
| Ernest Jageler      | Westinghouse - Windsor   |

ATTACHMENT