



UNITED STATES
NUCLEAR REGULATORY COMMISSION

WASHINGTON, D.C. 20555-0001

April 26, 1996

Mr. M. S. Tuckman
Senior Vice President
Nuclear Generation
Duke Power Company
P. O. Box 1006
Charlotte, NC 28201

SUBJECT: SAFETY EVALUATION ON CHANGE TO TOPICAL REPORT DPE-NE-3002-A ON
OPENING CHARACTERISTICS OF SAFETY VALVES - CATAWBA NUCLEAR STATION,
UNITS 1 AND 2; AND MCGUIRE NUCLEAR STATION, UNITS 1 AND 2
(TAC NOS. M94405, M94406, M94407, AND M94408)

Dear Mr. Tuckman:

On December 19, 1995 and March 15, 1996 you submitted a proposed change to the analysis methodology in the Duke Power Company (DPC) Topical Report, DPC-NE-3002-A, "FSAR Chapter 15 System Transient Analysis Methodology" as applicable to the Catawba and the McGuire Nuclear Stations. The proposed modeling change addresses the performance of the pressurizer code safety valves and the main steam code safety valves (MSSV) by using a pop-open modeling approach rather than a linear ramping open approach.

The NRC staff's letter dated December 28, 1995 transmitted the staff's Safety Evaluation for the review of DPC-NE-3002, Revision 1. Accordingly, your letters dated December 19, 1995 and March 15, 1996 are considered to constitute Revision 2 to report DPC-NE-3002 as discussed recently with Mr. Scott Gewehr of your staff.

The staff finds DPC-NE-3002, through Revision 2, to be acceptable for referencing in Catawba and McGuire licensing applications to the extent specified and under the limitations stated in DPC-NE-3002, through Revision 2 and the associated NRC Safety Evaluations issued on December 28, 1995 and with this letter. These Safety Evaluations define the basis for accepting this Topical Report.

When the Topical Report is referenced in a license application, the staff does not intend to repeat its review of the matters described in the Topical Report that were found acceptable, except to ensure that the material presented is applicable to the specific plant involved. Staff acceptance applies only to the matters described in the report.

In accordance with procedures established in NUREG-0390, DPC must publish accepted versions of this Topical Report. The accepted versions shall incorporate this letter and the enclosed Safety Evaluation between the title page and the abstract. The accepted versions shall include an "A" (designating accepted) following the Topical Report identification symbol.

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Mr. M. S. Tuckman

- 2 -

Should NRC criteria or regulations change so that staff conclusions regarding the acceptability of the Topical Report are invalidated, DPC will be expected to revise and resubmit their documentation, or to submit justification for continued effective applicability of the Topical Report without revision of their documentation. This completes NRC actions for TAC Nos. M94405, M94406, M94407, AND M94408.

Sincerely,

Original signed by:

Herbert N. Berkow, Director
Project Directorate II-2
Division of Reactor Projects - I/II
Office of Nuclear Reactor Regulation

Docket Nos. 50-413, 50-414,
50-369 and 50-370

Enclosure: Safety Evaluation

cc w/encl: See next page

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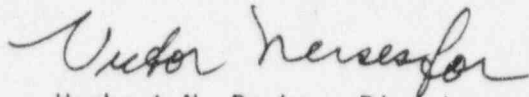
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Mr. M. S. Tuckman

- 2 -

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Sincerely,



Herbert N. Berkow, Director
Project Directorate II-2
Division of Reactor Projects - I/II
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50-369 and 50-370

Enclosure: Safety Evaluation

cc w/encl: See next page

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