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 TUCKERMAN, M.S.      Duke Power Co.  
 RECIP. NAME                      RECIPIENT AFFILIATION  
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SUBJECT: Forwards proprietary response to NRC request for addl info  
           re Topical Rept DPC-3003-P, "Mass & Engery Release &  
           Containment Response Methodology." Encl withheld, per  
           10CFR2.790.

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**DUKE POWER**

February 16, 1994

U. S. Nuclear Regulatory Commission  
Washington, D. C. 20555

Attention: Document Control Desk

Subject: Duke Power Company  
Oconee Nuclear Station  
Docket Numbers 50-269, -270, and -287  
Topical Report DPC-3003-P, "Mass and Energy Release and  
Containment Response Methodology"; Reponse to NRC  
Questions

On August 11, 1993, Duke Power Company submitted the subject topical report for review and approval. By letter dated January 27, 1994, the NRC staff requested additional information about the report. Attached are responses to the Staff's questions.

Please note that the response to Question 5 contains information that Duke considers proprietary. In accordance with 10CFR 2.790, Duke requests that this information be withheld from public disclosure. An affidavit which attests to the proprietary nature of this information is attached.

If you have any questions, or need more information, please call Scott Gewehr at (704) 382-7581.

*M. S. Tuckman*

M. S. Tuckman

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U. S. Nuclear Regulatory Commission  
February 16, 1994  
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AFFIDAVIT OF M. S. TUCKMAN

1. I am Senior Vice President, Nuclear Generation Department, Duke Power Company ("Duke"), and as such have the responsibility of reviewing the proprietary information sought to be withheld from public disclosure in connection with nuclear plant licensing, and am authorized to apply for its withholding on behalf of Duke.
2. I am making this affidavit in conformance with the provisions of 10 CFR 2.790 of the regulations of the Nuclear Regulatory Commission ("NRC") and in conjunction with Duke's application for withholding which accompanies this affidavit.
3. I have knowledge of the criteria used in designating information as proprietary or confidential.
4. Pursuant to the provisions of paragraph (b)(4) of 10 CFR 2.790, the following is furnished for consideration by the NRC in determining whether the information sought to be withheld from public disclosure should be withheld.
  - (i) The information sought to be withheld from public disclosure is owned by Duke and has been held in confidence by Duke and its consultants.
  - (ii) The information is of a type that would customarily be held in confidence by Duke. The information consists of analysis methodology details, analysis results, supporting data, and aspects of development programs, relative to a method of analysis that provides a competitive advantage to Duke.
  - (iii) The information was transmitted to the NRC in confidence and under the provisions of 10 CFR 2.790, it is to be received in confidence by the NRC.
  - (iv) The information sought to be protected is not available in public to the best of our knowledge and belief.
  - (v) The proprietary information sought to be withheld in this submittal is that which is marked in the proprietary version of the report DPC-NE-3003, "Mass and Energy Release and Containment Response Methodology" and supporting documentation, and omitted from the non-proprietary versions.

  
M. S. Tuckman  
M. S. Tuckman

(continued)

AFFIDAVIT OF M. S. TUCKMAN (Page 2)

This information enables Duke to:

- (a) Simulate the mass and energy release rates from loss-of-coolant accidents and steam line break accidents in pressurizer water reactors of the Babcock and Wilcox design.
  - (b) Simulate the response of a conventional dry containment design to a high-energy line break inside containment.
- (vi) The proprietary information sought to be withheld from public disclosure has substantial commercial value to Duke.
- (a) It allows Duke to reduce vendor and consultant expenses associated with supporting the operation and licensing of nuclear power plants.
  - (b) Duke intends to sell the information to nuclear utilities, vendors, and consultants for the purpose of supporting the operation and licensing of nuclear power plants.
  - (c) The subject information could only be duplicated by competitors at similar expense to that incurred by Duke.
5. Public disclosure of this information is likely to cause harm to Duke because it would allow competitors in the nuclear industry to benefit from the results of a significant development program without requiring a commensurate expense or allowing Duke to recoup a portion of its expenditures or benefit from the sale of the information.

M. S. Tuckman  
M. S. Tuckman

(continued)

AFFIDAVIT OF M. S. TUCKMAN (Page 3)

M. S. Tuckman, being duly sworn, on his oath deposes and says that he is the person who subscribed his name to the foregoing statement, and that the matters and facts set forth in the statement are true.

M. S. Tuckman  
M. S. Tuckman

Sworn to and subscribed before me this 17<sup>th</sup> day of February, 1993. Witness my hand and official seal.

Mary P. Adams  
Notary Public

My commission expires JAN 22, 1996.

# PROPRIETARY INFORMATION

## NOTICE

THE ATTACHED DOCUMENT CONTAINS OR IS CLAIMED TO CONTAIN PROPRIETARY INFORMATION AND SHOULD BE HANDLED AS NRC SENSITIVE UNCLASSIFIED INFORMATION. IT SHOULD NOT BE DISCUSSED OR MADE AVAILABLE TO ANY PERSON NOT REQUIRING SUCH INFORMATION IN THE CONDUCT OF OFFICIAL BUSINESS AND SHOULD BE STORED, TRANSFERRED, AND DISPOSED OF BY EACH RECIPIENT IN A MANNER WHICH WILL ASSURE THAT ITS CONTENTS ARE NOT MADE AVAILABLE TO UNAUTHORIZED PERSONS.

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