

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

| | | | |
|---|---------------------|----------------|----------|
| ACCESSION NBR: 9802180048 | DOC. DATE: 98/02/11 | NOTARIZED: YES | DOCKET # |
| FACIL: 50-269 Oconee Nuclear Station, Unit 1, Duke Power Co. | | | 05000269 |
| 50-270 Oconee Nuclear Station, Unit 2, Duke Power Co. | | | 05000270 |
| 50-287 Oconee Nuclear Station, Unit 3, Duke Power Co. | | | 05000287 |
| 50-369 William B. McGuire Nuclear Station, Unit 1, Duke Power Co. | | | 05000369 |
| 50-370 William B. McGuire Nuclear Station, Unit 2, Duke Power Co. | | | 05000370 |
| 50-413 Catawba Nuclear Station, Unit 1, Duke Power Co. | | | 05000413 |
| 50-414 Catawba Nuclear Station, Unit 2, Duke Power Co. | | | 05000414 |

| | |
|---------------|---|
| AUTH. NAME | AUTHOR AFFILIATION |
| TUCKMAN, M.S. | Duke Power Co. |
| RECIP. NAME | RECIPIENT AFFILIATION |
| | Document Control Branch (Document Control Desk) |

See Reports C

SUBJECT: Forwards proprietary & non-proprietary DPC-NE-2005P-A rev 1,
 "DPC Thermal-Hydraulic Statistical Core Design Methodology"
 IAW guidance contained in NUREG-0390. Proprietary version withheld.

DISTRIBUTION CODE: AP01D COPIES RECEIVED: LTR 1 ENCL 12 ^{NP} _{prop} SIZE: 5+292
 TITLE: Proprietary Review Distribution - Pre Operating License & Operating R

NOTES:

| | RECIPIENT | ID CODE/NAME | COPIES | LTTR | ENCL | RECIPIENT | ID CODE/NAME | COPIES | LTTR | ENCL | |
|-----------|-----------|--------------|--------|------|------|-----------|-----------------------|--------|------|------|---|
| | | PD2-2 LA | 1 | 1 | | | PD2-2 PD | 1 | 1 | | 1 |
| | | LABARGE, D | 1 | 1 | | | RINALDI, F | 1 | 1 | | |
| | | TAM, P. | 1 | 1 | | | <i>Jackson, G</i> | 1 | 1 | | |
| INTERNAL: | ACRS | | 1 | 1 | | | <u>FILE CENTER 01</u> | 1 | 1 | | |
| | OGC/HDS2 | | 1 | 0 | | | | | | | |
| EXTERNAL: | NRC PDR | | 1 | | | | | | | | |

w/out prop

prop only - 4/26/00

NOTE TO ALL "RIDS" RECIPIENTS:

PLEASE HELP US TO REDUCE WASTE. TO HAVE YOUR NAME OR ORGANIZATION REMOVED FROM DISTRIBUTION LISTS OR REDUCE THE NUMBER OF COPIES RECEIVED BY YOU OR YOUR ORGANIZATION, CONTACT THE DOCUMENT CONTROL DESK (DCD) ON EXTENSION 415-2083

TOTAL NUMBER OF COPIES REQUIRED: LTTR ^{'s} 9 ENCL 12

only



Duke Power Company

A Duke Energy Company

EC07H
526 South Church Street
P.O. Box 1006
Charlotte, NC 28201-1006

M. S. Tuckman
*Executive Vice President
Nuclear Generation*

(704) 382-2200 OFFICE
(704) 382-4360 FAX

February 11, 1998

U. S. Nuclear Regulatory Commission
Attention: Document Control Desk
Washington, D. C. 20555

Subject: McGuire Nuclear Station
Docket Numbers 50-369 and -370
Catawba Nuclear Station
Docket Numbers 50-413, and -414
Oconee Nuclear Station
Docket Numbers 50-269, -270 and -287
Issuance of Approved Version of DPC-NE-2005P-A,
Revision 1

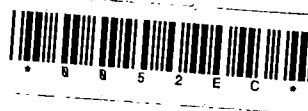
By Safety Evaluation Report (SER) dated February 24, 1995, the NRC approved topical report DPC-NE-2005P, "Duke Power Company Thermal-Hydraulic Statistical Core Design Methodology". Appendix C to DPC-NE-2005P-A, giving plant specific data for Mark-BW fuel using the BWU-A CHF correlation, was submitted to the NRC by letter dated April 26, 1996. By SER dated November 7, 1996, the NRC approved Appendix C and the use of the BWU-Z CHF correlation for McGuire and Catawba Mark-BW 17 x 17 fuel.

Duke Power Company has created Revision 1 of DPC-NE-2005P-A which is identical to the original version of the topical report except that it includes the approved Appendix C. Enclosed are 15 copies of the proprietary version of DPC-NE-2005P-A, Revision 1 and 12 copies of the non-proprietary version of DPC-NE-2005-A, Revision 1, in accordance with guidance contained in NUREG-0390.

If any additional information is needed, please call Lee A. Keller at 704-382-5826.

Very truly yours,

M. S. Tuckman



Enclosures

9802180048 980211
PDR ADOCK 05000269
P PDR

Change POR
1 INP
AP01
1/12 NP
158100

U. S. Nuclear Regulatory Commission
Page 2
February 11, 1998

xc: w/o enclosures

Mr. L. A. Reyes
Administrator, Region II
U. S. Nuclear Regulatory Commission
Atlanta Federal Center
61 Forsyth St., SW, Suite 23T85
Atlanta, GA 30303

Mr. F. Rinaldi
U. S. Nuclear Regulatory Commission
Office of Nuclear Reactor Regulation
Washington, DC 20555

Mr. P. S. Tam
U. S. Nuclear Regulatory Commission
Mail Stop O-14 H25
Washington, DC 20555

Mr. D. E. Labarge
U. S. Nuclear Regulatory Commission
Mail Stop O-14 H25
Washington, DC 20555

Mr. S. M. Shaeffer
Senior Resident Inspector
McGuire Nuclear Station

Mr. D. J. Roberts
Senior Resident Inspector
Catawba Nuclear Station

Mr. M. A. Scott
Senior Resident Inspector
Oconee Nuclear Station

AFFIDAVIT OF M. S. TUCKMAN

1. I am Executive Vice President, Nuclear Generation Department, Duke Energy Corporation ("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 by Duke 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.


M. S. Tuckman

(continued)

- (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-2005P-A, Revision 1, "Thermal Hydraulic Statistical Core Design Methodology" and supporting documentation, and omitted from the non-proprietary versions.

This information enables Duke to:

(a) Respond to Generic Letter 83-11, "Licensee Qualification for Performing Safety Analyses in Support of Licensing Actions."

(b) Respond to NRC requests for information regarding the transient response of Babcock & Wilcox and Westinghouse pressurized water reactors.

(c) Support license amendment and Technical Specification revision requests for Babcock & Wilcox and Westinghouse PWRs.

(d) Perform safety reviews per 10 CFR 50.59.

(e) Enhance operation of and training programs related to nuclear power plants.

- (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.


M. S. Tuckman

(continued)

AFFIDAVIT OF M. S. TUCKMAN (Page 3)

(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, 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 11TH day of February, 1998. Witness my hand and official seal.

Mary P. Nelms
Notary Public

My commission expires JAN 22, 2001.