



Duke Power Company

A Duke Energy Company

EC07H

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M. S. Tuckman
Executive Vice President
Nuclear Generation

December 29, 2000

U. S. Nuclear Regulatory Commission
Washington D. C. 20555-0001

ATTENTION: Document Control Desk

Subject: McGuire Nuclear Station
Docket Numbers 50-369 and 50-370

Catawba Nuclear Station
Docket Numbers 50-413 and 50-414

Republication of Topical Reports DPC-NE-3001-PA,
and DPC-NE-3001-A; *Multidimensional Reactor*
Transients and Safety Analysis Physics Parameters
Methodology

Topical report DPC-NE-3001-P, *Multidimensional Reactor Transients and Safety Analysis Physics Parameters Methodology*, was approved by an NRC SER dated November 15, 1991. The approved proprietary (-PA) and non-proprietary (-A) versions of DPC-NE-3001, dated November 1991, were then published and submitted to the NRC public document room by Duke letter dated August 17, 1992. Since the original publication of the approved versions of DPC-NE-3001 the need for minor changes has been identified. These minor changes, which are listed at the back of the report, consist of error corrections and clarifications. No new models or methodology revisions are included. Since the republication of DPC-NE-3001 does not include any new models or methodology revisions, NRC review and approval is not required. These republished versions of DPC-NE-3001-PA and -A will be designated by the December 2000 date. Accordingly, enclosed are 15 copies of the proprietary version and 12 copies of the non-proprietary version, submitted in accordance with the guidance contained in NUREG-0390.

AP01

1/15 Prop
1/12 Non Prop

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Please note that there is information enclosed that Duke considers proprietary. In accordance with 10CFR2.790, Duke requests that this information be withheld from public disclosure. An affidavit which attests to the proprietary nature of this information is included in this letter.

If there are any questions or if additional information is needed on this matter, please call J. S. Warren at (704) 382-4986.

Very truly yours,

A handwritten signature in dark ink, appearing to read "M. S. Tuckman", with a stylized flourish at the end.

M. S. Tuckman

Attachments (2)

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xc w/Non-proprietary Version Only:

F. Renaldi, NRC Project Manager (MNS)
U. S. Nuclear Regulatory Commission
Mail Stop O-8 H12
Washington, DC 20555-0001

C. P. Patel, NRC Project Manager (CNS)
U. S. Nuclear Regulatory Commission
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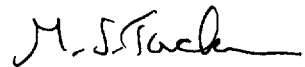
L. A. Reyes, Regional Administrator
U. S. Nuclear Regulatory Commission
Region II
Atlanta Federal Center
61 Forsyth St., SW, Suite 23T85
Atlanta, GA 30303

S. M. Shaeffer
NRC Resident Inspector (MNS)

D. J. Roberts
NRC Resident Inspector (CNS)

AFFIDAVIT

1. I am Executive Vice President of Duke Energy Corporation; and as such have the responsibility for reviewing information sought to be withheld from public disclosure in connection with nuclear power plant licensing; and am authorized on the part of said Corporation (Duke) to apply for this withholding.
2. I am making this affidavit in conformance with the provisions of 10CFR 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 10CFR 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.



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- (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 10CFR 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 Duke Topical Report designated DPC-NE-3001-PA, *Multidimensional Reactor Transients and Safety Analysis Physics Parameters Methodology*. The published approved versions of this topical report are being submitted to the NRC as an enclosure to this Duke letter. This information enables Duke to:
 - (a) Simulate the response of the Westinhouse-design NSSS to the rod ejection, steam line break, and dropped rod UFSAR accidents.
 - (b) Support Facility Operating Licenses/Technical Specifications amendment requests for McGuire and Catawba Nuclear Stations.



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(Continued)

- (c) Perform safety evaluations per 10CFR50.59.
- (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 commensurate expense or allowing Duke to recoup a portion of its expenditures or benefit from the sale of the information.



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M. S. Tuckman, being duly sworn, states that he is the person who subscribed his name to the foregoing statement, and that all the matters and facts set forth within are true and correct to the best of his knowledge.

M. S. Tuckman

M. S. Tuckman, Executive Vice President

Subscribed and sworn to on this 29TH day of

December, 2000

Mary P. Nelms

Notary Public

My Commission Expires:

JAN 22, 2001

SEAL

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bxc w/o Attachments:

C. J. Thomas
G. B. Swindlehurst
M. T. Cash
K. L. Crane
G. D. Gilbert
L. J. Rudy
K. E. Nicholson
T. K. Pasour (2)
J. S. Warren
NRIA File/ELL
MNS Master File - MG01DM
CNS Master File - CN04DM