



Duke Energy Corporation  
526 South Church Street  
PO Box 1006  
Charlotte, NC 28201-1006  
(704) 382-2200 OFFICE  
(704) 382-4360 FAX

Michael S. Tuckman  
Executive Vice President  
Nuclear Generation

February 13, 2003

U. S. Nuclear Regulatory Commission  
WASHINGTON D.C. 20555-0001  
ATTENTION: Document Control Desk

Subject: Duke Energy Corporation

McGuire Nuclear Station, Units 1 and 2  
Docket Nos. 50-369 and 370

Catawba Nuclear Station, Units 1 and 2  
Docket Nos. 50-413 and 414

Submittal of Published Versions of Approved  
Topical Reports (TAC Nos. MB3222, MB3223, MB3343,  
and MB3344)

By letters identified below<sup>1,2</sup>, the NRC transmitted safety  
evaluations for the following four topical reports.

1. DPC-NF-2010-A, Duke Power Company McGuire Nuclear Station  
and Catawba Nuclear Station Nuclear Physics Methodology for  
Reload Design, Revision 1;
2. DPC-NE-2011-P-A, Duke Power Company Nuclear Design  
Methodology Report for Core Operating Limits of  
Westinghouse Reactors, Revision 1;
3. DPC-NE-2011-NP-A, Duke Power Company Nuclear Design  
Methodology Report for Core Operating Limits of  
Westinghouse Reactors, Revision 1;

<sup>1</sup> Letter, U. S. Nuclear Regulatory Commission to Duke Energy Corporation, Dated October 1, 2002, SUBJECT:  
McGuire Nuclear Station, Units 1 and 2, RE: Issuance of Amendments (TAC Nos. MB 3222 and MB 3223).

<sup>2</sup> Letter, U. S. Nuclear Regulatory Commission to Duke Energy Corporation, Dated October 1, 2002, SUBJECT:  
Catawba Nuclear Station, Units 1 and 2, RE: Issuance of Amendments (TAC Nos. MB 3343 and MB 3344).

AP01  
extra copies  
forwarded to  
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4. DPC-NE-1003-A, McGuire Nuclear Station and Catawba Nuclear Station *Rod Swap Methodology Report for Startup Physics Testing, Revision 1.*

Duke Energy Corporation has now published these approved topical reports, including both proprietary and non-proprietary versions for Topical Report DPC-NE-2011. Accordingly, enclosed are 5 copies of topical reports numbers 1, 2, and 4, as listed above; and 3 copies of topical report number 3 as listed above. These documents are being submitted in accordance with recent NRC guidance on the submittal of approved topical reports.<sup>3</sup>

Note that there is information enclosed 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 enclosed.

Inquiries on this matter should be directed to J. S. Warren at (704) 382-4986.

Very truly yours,



M. S. Tuckman

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<sup>3</sup> NRC Regulatory Issue Summary 2002-08, *Availability of the Topical Report Program Description and Status of Staff Reviews on the NRC Web Site*

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xc w/All Attachments:

R. E. Martin (Addressee Only)  
NRC Senior Project Manager (MNS)  
U. S. Nuclear Regulatory Commission  
Mail Stop O-8 H12  
Washington, DC 20555-0001

xc w/Non Proprietary Attachments Only:

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

D. J. Roberts  
Senior Resident Inspector (CNS)  
U. S. Nuclear Regulatory Commission  
Catawba Nuclear Site

S. M. Shaeffer  
Senior Resident Inspector (MNS)  
U. S. Nuclear Regulatory Commission  
McGuire Nuclear Site

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.
  - (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.



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- (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 Topical Report DPC-NE-2011-P-A, *Duke Power Company Nuclear Design Methodology for Core Operating Limits of Westinghouse Reactors*, Revision 1. This information enables Duke to:
  - (a) Respond to NRC requests for additional information regarding transient response of Westinghouse PWRs.
  - (b) Simulate UFSAR Chapter 15 transients and accidents for McGuire and Catawba Nuclear Stations.
  - (c) Perform safety evaluations per 10CFR50.59.
  - (d) Support core reload design activities for McGuire and Catawba Nuclear Stations.
  - (e) Support Facility Operating Licenses/Technical Specifications amendments for McGuire and Catawba Nuclear Stations.

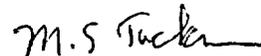
*M. S. Tuckman*

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- (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 before me on this 14<sup>TH</sup> day of

February, 2003

Mary P. Debus, Notary Public

My Commission Expires:

JAN 22, 2006

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bxc w/o Attachments:

M. T. Cash  
C. J. Thomas  
G. D. Gilbert  
K. L. Crane  
K. E. Nicholson  
J. M. Ferguson (2) - CN01SA  
L. J. Rudy  
G. A. Copp  
P. M. Abraham  
G. G. Pihl  
MNS Master File - MG01DM  
Catawba Master File - CN04DM  
NRIA/ELL

Catawba Owners:

Saluda River Electric Corporation  
P. O. Box 929  
Laurens, SC 29360-0929

NC Municipal Power Agency No. 1  
P. O. Box 29513  
Raleigh, NC 27626-0513

T. R. Puryear  
NC Electric Membership Corporation  
CN03G

Piedmont Municipal Power Agency  
121 Village Drive  
Greer, SC 29651