



Duke Energy Corporation

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M. S. Tuckman  
Executive Vice President  
Nuclear Generation

May 20, 1999

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

Topical Report DPC-NE-3004P, Revision 1

Enclosed for review is Duke Energy Corporation Topical Report DPC-NE-3004, "Mass and Energy Release and Containment Response Methodology," Revision 1. DPC-NE-3004, Revision 0, was approved by a NRC Safety Evaluation Report dated September 6, 1995. Revision 1 consists of a finer nodalization of the ice condenser region, which is necessary to support an upcoming technical specification amendment request for McGuire Nuclear Station. This forthcoming technical specification amendment request will propose non-uniform ice weight requirements by row. This matter was previously discussed in a meeting with the NRC staff on May 14, 1998.

Some of the information in the attachments is considered proprietary. The proprietary information is that which is indicated by the bold brackets shown in Attachment 2. In accordance with 10CFR 2.790, Duke Energy Corporation requests that this information be considered proprietary. An affidavit supporting this request is included with this letter. A non-proprietary version is also included within as Attachment 1.

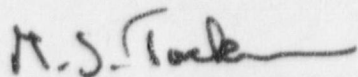
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If there are any questions or if additional information is needed on this matter, please call J. S. Warren at (704) 382-4986.



M. S. Tuckman

Attachments (2)

xc w/Attacment 1:

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

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

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

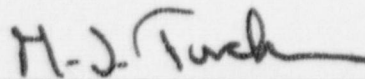
xc w/Attachments 1 and 2:

Mr. F. Rinaldi, Senior Project Manager  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Mail Stop O-8 H12  
Washington, D. C. 20555-0001

Mr. P. S. Tam, Senior Project Manager  
Office of Nuclear Reactor Regulation  
U. S. Nuclear Regulatory Commission  
Mail Stop O-8 H12  
Washington, D. C. 20555-0001

AFFIDAVIT

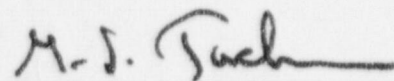
1. I am Executive Vice President of Duke Energy Corporation; and as such have the responsibility for reviewing information sought to be withheld from public disclosure in connection with nuclear power plant licensing; and am authorized on the part of said Corporation (Duke) to apply for this withholding.
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 the Duke Topical Report DPC-NE-3004, Revision 1, "Mass and Energy Release and Containment Response Methodology." This information enables Duke to simulate the response of an ice condenser 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.

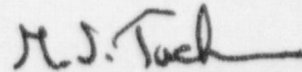


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5. Public disclosure of this information is likely to cause harm to Duke because it would allow competitors in the nuclear industry to benefit from the results of a significant development program without requiring commensurate expense or allowing 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 this 20<sup>th</sup> day of

MAY, 1999

Mary P. Nelson

Notary Public

My Commission Expires:

JAN 22, 2001

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