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SUBJECT: Forwards proprietary DPC-NE-2007P, "Fuel Reconstitution Analysis Methodology," in response to GL 90-02, Suppl 1. Proprietary rept withheld, per 10CFR2.790.

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DUKE POWER

September 23, 1993

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

Subject: Oconee Nuclear Station
Docket Numbers 50-269, -270, and -287
McGuire Nuclear Station
Docket Numbers 50-369 and -370
Catawba Nuclear Station
Docket Numbers 50-413 and -414
Duke Power Company Topical Report DPC-NE-2007P, "Fuel
Reconstitution Analysis Methodology"

Enclosed for your review is Duke Power Company's Topical Report DPC-NE-2007P, "Fuel Reconstitution Analysis Methodology." This report presents Duke Power Company's methodology for performing analyses to support fuel assembly reconstitution, in the event such reconstitution is required. The topical report has been prepared in response to Generic Letter 90-02, Supplement 1, which required that fuel reconstitution be performed according to approved methodologies. Included are analyses which ensure acceptable seismic behavior with alternative reconstituted assembly configurations, (e. g., the use of filler rods and water holes) and a critical heat flux test program to verify applicability of DNBR analyses to typical reconstitution geometries.

It is requested that this review be completed by March, 1995.

Please note that this topical report contains proprietary information, pursuant to 10 CFR 2.790, which should be withheld from public disclosure. An affidavit which attests to the proprietary nature of the report is attached.

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

Very truly yours,

M. S. Tuckman

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U. S. Nuclear Regulatory Commission
September 23, 1993
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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 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.
 - (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-2007, "Fuel Reconstitution Analysis 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

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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 23RD day of SEPTEMBER, 1993. Witness my hand and official seal.

Mary P. Nelms
Notary Public

My commission expires JAN 22, 1996.