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       50-287 Oconee Nuclear Station, Unit 3, Duke Power Co.      05000287

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 HAMPTON, J.W.      Duke Power Co.  
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SUBJECT: Application for amends to licenses DPR-38, DPR-47 & DPR-55  
 revising TS 6.9.2, to include use of CASMO-3 fuel assembly  
 depletion code & three dimensional code simulator,  
 SIMULATE-3P.

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**DUKE POWER**

May 11, 1994

U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, DC 20555

Subject: Oconee Nuclear Station  
Docket Nos. 50-269, -270, -287  
Proposed Revision to Technical Specification 6.9.2

Gentlemen:

Pursuant to 10 CFR 50, Part 50.90, please find attached (Attachment 1) a proposed amendment to the Oconee Nuclear Station (ONS) Facility Operating Licenses and revisions to the ONS Technical Specifications. Attachment 2 contains a marked-up copy of the current Technical Specification 6.9.2.

This amendment request includes use of the CASMO-3 fuel assembly depletion code and SIMULATE-3P, a three-dimensional code simulator. The NRC issued a Safety Evaluation Report on November 23, 1992 accepting Topical Report DPC-NE-1004A, "Nuclear Design Methodology Using CASMO-3/SIMULATE-3P". The staff found the application of DPC-NE-1004A to be acceptable for referencing in licensing applications. Attachment 3 contains the Technical Justification; Attachment 4 contains the No Significant Hazards Consideration Evaluation.

Duke Power is transitioning from the EPRI-NODE-P based methodology to the SIMULATE based methodology to determine core operating limits. The adequacy of both of these methods is justified in the approved topical report, DPC-NE-1004A. The operating limits for the currently operating fuel cycles for Units 2 and 3 were developed using EPRI-NODE-P and SIMULATE. It is Duke's intent to calculate future core operating limits using the SIMULATE methodology. Duke does not intend to apply mixed EPRI-NODE-P/SIMULATE methods to future designs. The CORE OPERATING LIMITS REPORT for Oconee 1 Cycle 16 will be revised to specifically state which core operating limits are based on the approved EPRI-NODE-P methodology and which core operating limits are based on the approved SIMULATE methodology. Future CORE OPERATING LIMITS REPORTS will also specify the methods used to calculate the operating limits.

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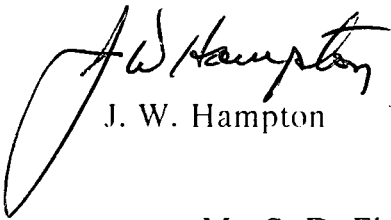
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Duke requests NRC approval of this proposal prior to Unit 1 Cycle 16 startup currently scheduled for June, 1994.

I am forwarding a copy of this application to the South Carolina Department of Health and Environmental Control for review and, as appropriate, subsequent consultation with the staff.

Very Truly Yours,



J. W. Hampton

xc: Mr. S. D. Ebnetter  
Regional Administrator, Region II

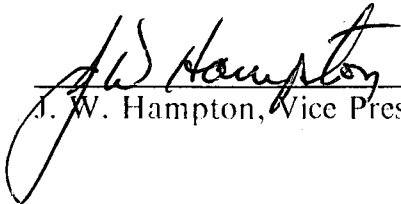
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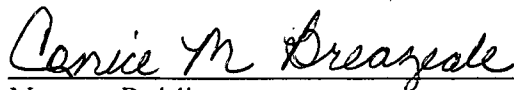
Mr. V. R. Autry, Chief  
Bureau of Radiological Health, SC

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J. W. Hampton, being duly sworn, states that he is Vice President of Duke Power Company, that he is authorized on the part of said Company to sign and file with the Nuclear Regulatory Commission this revision to the Oconee Nuclear Station License Nos. DPR-38, DPR-47, and DPR-55; and that all statements and matters set forth therein are true and correct to the best of his knowledge.

  
\_\_\_\_\_  
J. W. Hampton, Vice President

Subscribed and sworn to before me this 11 day of May, 1994.

  
\_\_\_\_\_  
Notary Public

My Commission Expires:

2-12-2003

DUKE POWER COMPANY  
OCONEE NUCLEAR STATION  
ATTACHMENT 1  
TECHNICAL SPECIFICATIONS

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