

JUL 7 1976

Dockets Nos. 50-269/270/287

Duke Power Company
ATTN: Mr. William O. Parker, Jr.
Vice President - Steam Production
422 South Church Street
P. O. Box 2178
Charlotte, North Carolina 28242

Gentlemen:

In our letter to you dated June 30, 1976, transmitting amendments to Operating Licenses Nos. DPR-35, DPR-47 and DPR-55 consisting of changes to Technical Specifications any reference to Amendment No. 23 for Unit 3 should be changed to Amendment No. 24 for Unit 3. Enclosed is a corrected copy of first page of the Safety Evaluation where all amendment numbers were omitted.

Sincerely,

Original signed by

A. Schwencer, Chief
Operating Reactors Branch #1
Division of Operating Reactors

Enclosure:
Corrected page to Safety Evaluation

cc w/encl?
See next page

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July 7, 1976

cc w/enclosures:

Mr. William L. Porter
Duke Power Company
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422 South Church Street
Charlotte, North Carolina 28242

Mr. Troy B. Conner
Conner & Knotts
1747 Pennsylvania Avenue, NW
Washington, D. C. 20006

Oconee Public Library
201 South Spring Street
Walhalla, South Carolina 29691

Honorable Reese A. Hubbard
County Supervisor of Oconee County
Walhalla, South Carolina 29621

Office of Intergovernmental
Relations
116 West Jones Street
Raleigh, North Carolina 27603



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 27 TO FACILITY LICENSE NO. DPR-38

AMENDMENT NO. 27 TO FACILITY LICENSE NO. DPR-47

AMENDMENT NO. 24 TO FACILITY LICENSE NO. DPR-55

DUKE POWER COMPANY

OCOONEE NUCLEAR STATION, UNITS NOS. 1, 2, AND 3

DOCKETS NOS. 50-269, 50-270, AND 50-287

Introduction

By letter dated February 25, 1975 and as amended May 7, 1976, Duke Power Company (the licensee) requested changes to the Technical Specifications appended to Facility Operating Licenses Nos. DPR-38, DPR-47, and DPR-55 for the Oconee Nuclear Station, Units Nos. 1, 2, and 3. The proposed changes would permit operation of Unit No. 2 as reloaded for cycle 2 operation. Included in the bases of the analyses performed are the Final Acceptance Criteria (FAC) for Emergency Core Cooling Systems, as required by the Commission's Order for Modification of License dated December 27, 1974.

Discussion

The Oconee Unit No. 2 reactor core consists of 177 fuel assemblies, each with a 15x15 array of fuel rods. The cycle 2 reload will involve the removal of all of the Batch 1 fuel (56 assemblies) and the relocation of the Batch 2 and Batch 3 fuel. The fresh Batch 4 fuel (56 assemblies) will occupy primarily the periphery of the core and eight locations in its interior. Two of the new Batch 4 fuel assemblies are demonstration Mark C assemblies, each of which consists of a 17x17 array of fuel rods. A description of the program to irradiate the two Mark C assemblies in the cycle 2 core was provided by letter dated January 28, 1976. In addition, Babcock & Wilcox (BW) Report BAW-1424, "Irradiation of Two 17x17 Demonstration Assemblies in Oconee 2, Cycle 2," January 1976, was provided which describes the mechanical, nuclear, and thermal-hydraulic characteristics of the two demonstration assemblies. Table 1 summarizes the reload core fuel assembly parameters.