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CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 40		DOCKET NO: 50-269		

DESCRIPTION:
Ltr trans the following:

PLANT NAME: Oconee Unit 1

ENCLOSURES:
Startup Report

ACKNOWLEDGED
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FOR ACTION/INFORMATION 11-21-73 GC

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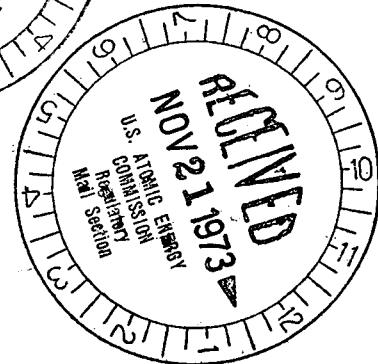
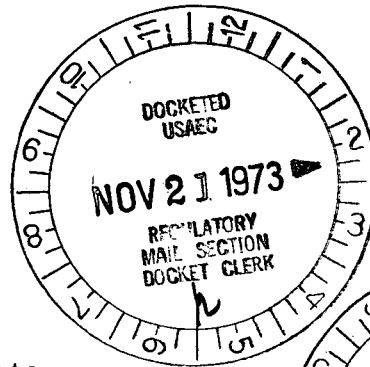
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422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

A. C. THIES
SENIOR VICE PRESIDENT,
PRODUCTION AND TRANSMISSION

P. O. Box 2178

November 16, 1973



Mr. Angelo Giambusso
Deputy Director for Reactor Projects
Directorate of Licensing
Office of Regulation
U. S. Atomic Energy Commission
Washington, D. C. 20545

Re: Oconee Nuclear Station
Unit 1
Docket No. 50-269

Dear Mr. Giambusso:

Pursuant to Technical Specification 6.6.1.1A, Duke Power Company submits herewith the "Startup Report" for Oconee Nuclear Station, Unit 1. The report also provides sufficient information to confirm nuclear design parameters and provides sufficient information to verify that the Oconee class reactor can be operated in accordance with design criteria at power levels up to, and including, full rated power (2568 Mwt).

Oconee 1 was declared commercial on July 16, 1973, at the 75 percent power level. Unit startup and power escalation testing were continuing at that time however, and our letter of August 27, 1973, requested that the submittal date for the Startup Report be extended in order to include 95 percent power level testing. Mr. R. C. DeYoung's letter of September 18, 1973, granted the requested waiver of the Technical Specifications, provided the Startup Report be submitted by November 19, 1973.

The report addresses unit startup and power escalation testing through 1200 hours, October 4, 1973. At that time several power escalation tests remained to be completed, as identified in Section 1.0 of the report. Following completion of the identified items, appropriate information supplementary to the report will be prepared and submitted.

The Startup Report responds to Item 1, "Startup Physics Tests for Oconee Unit 1," of Mr. R. C. DeYoung's letter of August 20, 1973. In this regard, the report provides comparisons of PDQ-7 predicted power distributions with measured power distributions for various steady-state conditions and for the 75-30-75% power level maneuvering transient.

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Mr. Angelo Giambusso
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The 75-30-75% transient was utilized for transient comparison purposes because extensive PDQ-7 analysis of this transient had been performed and an adequate comparison of design predictions and measured results could be made. This use of the 75-30-75% power level transient for comparison purposes was discussed with, and agreed to by, members of the Directorate of Licensing staff.

Three (3) copies of the report are attached. Thirty-seven (37) copies of the report are being transmitted under separate cover.

Very truly yours,



A. C. Thies

ACT:vr
Attachments