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CONTROL NO: **4055**
FILE: INCIDENT REPORT FILE

FROM: Duke Power Co. Charlotte, N.C. A.C. Thies			DATE OF DOC 4-8-75	DATE REC'D 4-15-75	LTR XXX	TWX	RPT	OTHER
TO: Norman C. Moseley			ORIG 1 Signed	CC	OTHER	SENT AEC PDR _____ XXXXX SENT LOCAL PDR _____ XXXXX		
CLASS	UNCLASS	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-270		
	XXXX							

DESCRIPTION:

Letter trans the following....

ENCLOSURES:

Abnorm. Occurr. # 75-8, on 3-22-75, concerning Power level raised above cutoff prior to establishing equilibrium Xenon conditions.....

ACKNOWLEDGED

PLANT NAME: Oconee # 2 **DO NOT REMOVE** (1 cy. Encl. rec'd)

FOR ACTION/INFORMATION

VCR 4-16-75

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DUKE POWER COMPANY

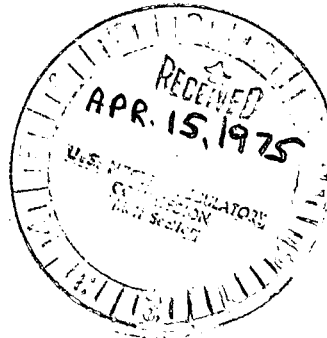
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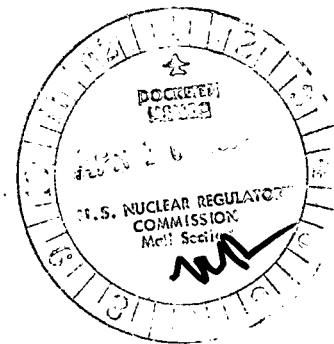
A. C. THIES
SENIOR VICE PRESIDENT
PRODUCTION AND TRANSMISSION

P. O. Box 2178

April 8, 1975



Mr. Norman C. Moseley, Director
U. S. Nuclear Regulatory Commission
Suite 818
230 Peachtree Street, Northwest
Atlanta, Georgia 30303



Re: Oconee Unit 2
Docket No. 50-270

Dear Mr. Moseley:

Pursuant to Sections 6.2 and 6.6.2 of the Oconee Nuclear Station
Technical Specifications, please find attached Abnormal Occurrence
Report AO-270/75-8.

Very truly yours,

A. C. Thies
A. C. Thies

ACT:vr
Attachment

cc: Mr. Angelo Giambusso

4055

DUKE POWER COMPANY
OCONEE UNIT 2

Report No.: AO-270/75-8

Report Date: April 8, 1975

Occurrence Date: March 22, 1975

Facility: Oconee Unit 2, Seneca, South Carolina

Identification of Occurrence: Power level raised above cutoff prior to establishing equilibrium xenon conditions

Conditions Prior to Occurrence: Unit at 80 percent full power

Description of Occurrence:

At 1320, March 22, 1975, a calculation was made to determine the time that Oconee Unit 2 xenon reactivity would be within 10 percent of the value for operation at steady-state rated power. (This condition is required by Technical Specification 3.5.2.5.d prior to escalating power above the power level cutoff - 82.5% FP for Oconee Unit 2.) The results of that calculation indicated that the required condition of xenon reactivity would be satisfied at 1830 on March 22, 1975. Power escalation to 89% FP was then initiated at 1840, March 22, 1975 based upon the results of the 1320 calculation.

At 0430, March 23, 1975, it was determined that the power level had been escalated above the power level cutoff without meeting the criteria of Technical Specification 3.5.2.5.d.

Designation of Apparent Cause of Occurrence:

The results of the 1320 calculation (March 22, 1975) were incorrectly interpreted in that they reference 80% FP rather than 100% FP as required. That is, the time that xenon would be within specification limits was based upon 90 percent of the 80% FP equilibrium value rather than upon 90 percent of the 100% FP equilibrium value. The extrapolated time that the core would reach 90 percent of the 80% FP equilibrium xenon value was 1830, March 22, 1975, and the calculation was so marked.

Another calculation was obtained at 1740 on March 22, 1975 by a second individual. This calculation was interpreted correctly and indicated 0300, March 23, 1975 as the time that the required conditions would be met. However, this information did not reach the control operator, but the value of 100 percent equilibrium xenon at 100% FP, 2.642% $\Delta k/k$, was given to the control operator.

Control room personnel correctly calculated 2.367% $\Delta k/k$ xenon reactivity for the 10 percent of equilibrium requirement from the 2.642% $\Delta k/k$ rated