

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL  
(TEMPORARY FORM)

CONTROL NO: 6166

FILE: A/b

FROM: Duke Power Company Charlotte, N.C. 28201 A. C. Thies			DATE OF DOC 6-28-74	DATE REC'D 7-8-74	LTR X	TWX	RPT	OTHER
TO: A. Giambusso			ORIG 1 signed	CC	OTHER	SENT AEC PDR X SENT LOCAL PDR X		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-270		

DESCRIPTION:

Ltr trans the following:

**ACKNOWLEDGED**

ENCLOSURES:

AO-270/74-8: Reporting abnormal occurrence on 6-20-74, regarding the failure to verify xenon reactivity approaching equilibrium prior to power ascension above the power level cutoff.

**DO NOT REMOVE**

PLANT NAME: Oconee Unit #2

( 1 cy rec'd )

FOR ACTION/INFORMATION

7-10-74 GC

BUTLER(L) W/ Copies	SCHWENCER(L) W/ Copies	ZIEMANN(L) W/ Copies	REGAN(E) W/ Copies
CLARK(L) W/ Copies	STOLZ(L) W/ Copies	DICKER(E) W/ Copies	
PARR(L) W/ Copies	VASSALLO(L) W/ Copies	KNIGHTON(E) W/ Copies	W/ Copies
KNIEL(L) W/ Copies	<input checked="" type="checkbox"/> PURPLE (L) W/7 Copies	YOUNGBLOOD(E) W/ Copies	W/ Copies

INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILE	<u>TECH REVIEW</u>	DENTON	<u>LIC ASST</u>	<u>A/T IND</u>
<input checked="" type="checkbox"/> AEC PDR	<input checked="" type="checkbox"/> HENDRIE	GRIMES		BRAITMAN
<input checked="" type="checkbox"/> OGC, ROOM P-506A	SCHROEDER	GAMMILL	DIGGS (L)	SALTZMAN
<input checked="" type="checkbox"/> MUNTZING/STAFF	<input checked="" type="checkbox"/> MACCARY	KASTNER	GEARIN (L)	B. HURT
<input checked="" type="checkbox"/> CASE	<input checked="" type="checkbox"/> KNIGHT	BALLARD	GOULBOURNE (L)	<u>PLANS</u>
GIAMBUSO	<input checked="" type="checkbox"/> PAWLICKI	SPANGLER	KREUTZER (E)	MCDONALD
BOYD	<input checked="" type="checkbox"/> SHAO		LEE (L)	CHAPMAN
MOORE (L) (BWR)	<input checked="" type="checkbox"/> STELLO	<u>ENVIRO</u>	MAIGRET (L)	DUBE w/input
DEYOUNG(L) (PWR)	<input checked="" type="checkbox"/> HOUSTON	MULLER	REED (E)	E. COUPE
SKOVHOLT (L)	<input checked="" type="checkbox"/> NOVAK	DICKER	SERVICE (L)	
<input checked="" type="checkbox"/> GOLLER(L)	<input checked="" type="checkbox"/> ROSS	KNIGHTON	<input checked="" type="checkbox"/> SHEPPARD (L)	<input checked="" type="checkbox"/> D. THOMPSON (2)
P. COLLINS	<input checked="" type="checkbox"/> IPPOLITO	YOUNGBLOOD	SLATER (E)	<input checked="" type="checkbox"/> KLECKER
DENISE	<input checked="" type="checkbox"/> TEDESCO	REGAN	SMITH (L)	<input checked="" type="checkbox"/> EISENHUT
<input checked="" type="checkbox"/> REG OPR	<input checked="" type="checkbox"/> LONG	PROJECT LDR	TEETS (L)	
FILE & REGION(3)	<input checked="" type="checkbox"/> LAINAS		WILLIAMS (E)	
<input checked="" type="checkbox"/> MORRIS	<input checked="" type="checkbox"/> BENAROYA	<u>HARLESS</u>	WILSON (L)	
<input checked="" type="checkbox"/> STEELE	<input checked="" type="checkbox"/> VOLLMER			

EXTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> - LOCAL PDR Walhalla, S.C.	(1) (2) (10) NATIONAL LAB'S	1-PDR-SAN/LA/NY
<input checked="" type="checkbox"/> - TIC (ABERNATHY)	1-ASLBP(E/W Bldg, Rm 529)	1-LIBRARIAN
<input checked="" type="checkbox"/> - NSIC(BUCHANAN)	1-W. PENNINGTON, Rm E-201 GT	BROOKHAVEN NAT. LAB
1 - ASLB	1-CONSULTANT'S	1-AGMED(Ruth Gussman)
1 - P. R. DAVIS (AEROJET NUCLEAR)	NEWMARK/BLUME/AGBABIAN	RM-B-127, GT.
<input checked="" type="checkbox"/> 16 - CYS ACRS <del>XXXXXX</del> SENT TO LIC. ASST.	1-GERALD ULRICKSON...ORNL	1-RD..MULLER..F-309 GT
7-10-74 SHEPPARD	1-B & M SWINEBROAD, Rm E-201 GT	

# Regulatory Docket File

## DUKE POWER COMPANY

POWER BUILDING

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

A. C. THIES  
SENIOR VICE PRESIDENT  
PRODUCTION AND TRANSMISSION

P. O. Box 2178

June 28, 1974

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 Unit 2  
Docket No. 50-270

Dear Mr. Giambusso:

Pursuant to Sections 6.2 and 6.6.2 of the Oconee Nuclear Station  
Technical Specifications, please find attached Abnormal Occurrence  
Report AO-270/74-8.

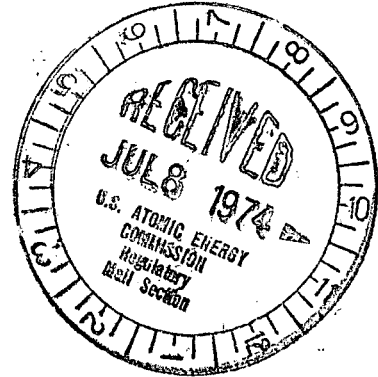
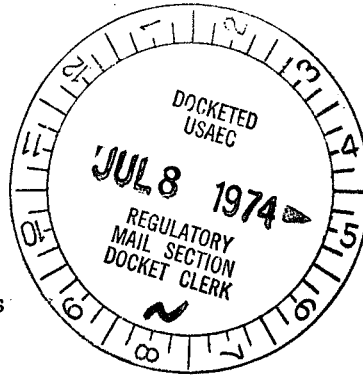
Very truly yours,



A. C. Thies

ACT:vr  
Attachment

cc: Mr. Norman C. Moseley



6166

DUKE POWER COMPANY  
OCONEE UNIT 1

Report No.: AO-270/74-8

Report Date: June 28, 1974

Occurrence Date: June 20, 1974

Facility: Oconee Unit 2, Seneca, South Carolina

Identification of Occurrence: Failure to verify xenon reactivity approaching equilibrium prior to power ascension above the power level cutoff.

Conditions Prior to Occurrence: Load changes during routine power operation. The power history and associated xenon reactivity transient is shown in Figure 1.

Description of Occurrence:

On June 20, 1974, power was increased above the power level cutoff (82.5 percent) prior to establishing the conditions required by Technical Specification 3.5.2.5d(2). Xenon reactivity was within 10 percent of the value for operation at steady-state rated power, but the xenon reactivity was not asymptotically approaching steady-state equilibrium.

As shown on Figure 1, power was initially escalated to 100 percent at 1530 on June 19, 1974. At that time, xenon reactivity was within 10 percent of the equilibrium value for steady-state rated power and was asymptotically approaching equilibrium at 82 percent power. Following a five-hour hold at 90 percent, power was increased to 100 percent. Following the increase in power level, xenon reactivity initially decreased and then began to build up to the steady-state rated power equilibrium value. However, power was reduced to 70 percent at 0400 on June 20, 1974, and consequently, the xenon reactivity addition increased more rapidly. At 0435, power was increased above the power level cutoff. As shown by Figure 1, xenon reactivity was within 10 percent of rated power equilibrium but was not asymptotically approaching equilibrium.

Analysis of Occurrence:

During escalation to 100 percent power, xenon reactivity remained within the 10 percent band. The basis of the specification is to ensure that xenon reactivity is essentially at equilibrium prior to power escalation above the power level cutoff. As shown in Figure 1, this intent was satisfied. It is concluded this incident did not affect the health and safety of the public.

Corrective Action:

Discussions have been initiated with both B&W and the AEC to clarify the requirements of this specification for the operator and to ensure that the intent of the specification is met without unduly restricting plant operation. This incident will be reviewed by all Oconee operations personnel to ensure they understand the basis and intent of the specification.