

**AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL**  
(TEMPORARY FORM)

CONTROL NO: 8042

FILE: \_\_\_\_\_

<b>FROM:</b> Duke Power Company Charlotte, N.C. 28201 Mr. A.C. Thies			<b>DATE OF DOC</b> 7-26-74	<b>DATE REC'D</b> 8-1-74	<b>LTR</b> X	<b>TWX</b>	<b>RPT</b>	<b>OTHER</b>
<b>TO:</b> A. Giambusso			<b>ORIG</b> 3 signed	<b>CC</b>	<b>OTHER</b>	<b>SENT AEC PDR</b> XXX		<b>SENT LOCAL PDR</b> XXX
<b>CLASS</b>	<b>UNCLASS</b> XXX	<b>PROP INFO</b>	<b>INPUT</b> XXX	<b>NO CYS REC'D</b> 40	<b>DOCKET NO:</b> 50-269/270/287			

**DESCRIPTION:**  
Ltr notarized 7-28-74.....requesting a change to tech specs....trans the following.....

**ENCLOSURES:**  
PROPOSED CHANGE TO TECH SPEC.....concerning maintenance on the Personnel and emergency hatches.....

**ACKNOWLEDGED**

(40 cys ea encl rec'd)

**DO NOT REMOVE**

**PLANT NAME:** Oconee 1,2 & 3

FOR ACTION/INFORMATION 8-1-74 JB

BUTLER (L) W/ CYS	SCHWENCER (L) W/ CYS	ZIEMANN (L) W/ CYS	REGAN (E) W/ CYS
CLARK (L) W/ CYS	STOLZ (L) W/ CYS	DICKER (E) W/ CYS	W/ CYS
<del>FARR (L)</del> W/ CYS	VASSALLO (L) W/ CYS	KNIGHTON (E) W/ CYS	W/ CYS
KNIEL (L) W/ CYS	✓ PURPLE (L) W/ CYS	YOUNGBLOOD (E) W/ CYS	W/ CYS

**INTERNAL DISTRIBUTION**

✓ <u>REG FILE</u>	TECH REVIEW	DENTON	LIC ASST	A/T IND
✓ AEC PDR	HENDRIE	GRIMES	DIGGS (L)	BRAITMAN
✓ OGC	SCHROEDER	GAMMILL	GEARIN (L)	SALTZMAN
✓ MUNTZING/STAFF	MACCARY	KASTNER	GOULBOURNE (L)	B. HURT
CASE	KNIGHT	BALLARD	KREUTZER (E)	
GIAMBUSSO	PAWLICKI	SPANGLER	LEE (L)	<u>PLANS</u>
BOYD	SHAO		MAIGRET (L)	MCDONALD
MOORE (L)(LWR-2)	STELLO	<u>ENVIRO</u>	REED (E)	CHAPMAN
DEYOUNG (L)(LWR-1)	HOUSTON	MULLER	SERVICE (L)	✓ DUBE w/input
SKOVHOLT (L)	NOVAK	DICKER	✓ SHEPPARD (L)	✓ E. COUPE
✓ GOLLER (L)	ROSS	KNIGHTON	SLATER (E)	✓ Schemel
P. COLLINS	IPPOLITO	YOUNGBLOOD	SMITH (L)	D. THOMPSON (2)
DENISE	TEDESCO	REGAN	TEETS (L)	KLECKER
✓ <u>REG OPR</u>	LONG	✓ PROJECT MGR	WILLIAMS (E)	EISENHUT
FILE & REGION (3)	LAINAS	<u>Scaletti</u>	WILSON (L)	
MORRIS	BENAROYA	HARLESS		
STEELE	VOLLMER			

**EXTERNAL DISTRIBUTION**

✓ 1 - LOCAL PDR	Walhalla, S.C.		
✓ 1 - TIC (ABERNATHY)	(1)(2)(10)-NATIONAL LABS		1-PDR-SAN/LA/NY
✓ 1 - NSIC (BUCHANAN)		1-ASLBP (E/W Bldg, Rm 529)	1-BROOKHAVEN NAT LAB
1 - ASLB		1-W. PENNINGTON, Rm E-201 GT	1-G. ULRIKSON, ORNL
1 - P. R. DAVIS		1-B&M SWINEBROAD, Rm E-201 GT	1-AGMED (RUTH GUSSMAN)
✓ 16 - ACRS <del>XXXXXX</del> Sent to Sheppard		1-CONSULTANTS	Rm B-127 GT
8-2-74		NEWMARK/BLUME/ACBABIAN	1-RD..MUELLER, Rm F-309
			GT

## 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

July 26, 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 Nuclear Station  
Docket Nos. 50-269 -270, -287

Dear Mr. Giambusso:

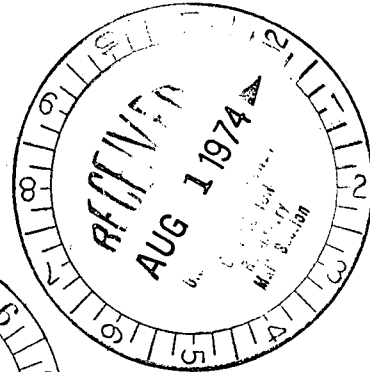
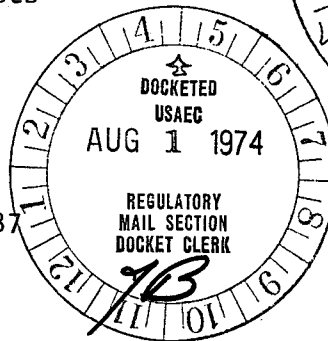
Oconee Nuclear Station Technical Specification 3.6 requires containment integrity be maintained when all three of the following conditions exist:

1. Reactor coolant pressure is 300 psig or greater
2. Reactor coolant temperature is 200°F or greater
3. Nuclear fuel is in the core

Containment integrity is defined by Section 1.7 of the Technical Specifications. It is required that both doors of the personnel hatch and emergency hatch be closed and sealed except that at least one door of the personnel hatch and the emergency hatch must be closed and sealed during refueling or during personnel passage through these hatches. There are no provisions under the current definition which permit preventative or corrective maintenance to be performed on one of these doors when containment integrity must exist.

Pursuant to 10CFR 50.59, it is requested that Section 1.7 of the Oconee Nuclear Station Technical Specifications be revised such that maintenance on one door of either the personnel or emergency hatch is permitted for 48 hours provided the remaining door is closed and sealed. This proposed change is shown on the attached replacement page for the Oconee Technical Specifications.

A maintenance period of up to 48 hours is considered acceptable since the other door will be kept closed and sealed. Containment integrity is not impaired since either door meets the design specifications for structural integrity and leak rate. The period of 48 hours is requested



Mr. Angelo Giambusso  
Page 2  
July 26, 1974

to permit completion of any maintenance action, and the performance of a local leak rate test following the maintenance.

Very truly yours,



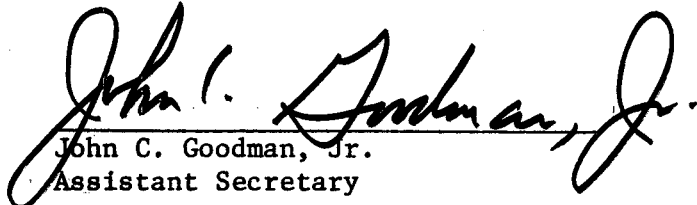
A. C. Thies

A. C. THIES, being duly sworn, states that he is Senior Vice President of Duke Power Company; that he is authorized on the part of said Company to sign and file with the Atomic Energy Commission this request for amendment of the Oconee Nuclear Station Technical Specifications, Appendix A to Facility Operating Licenses 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.



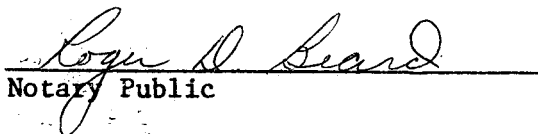
A. C. Thies, Senior Vice President

ATTEST:



John C. Goodman, Jr.  
Assistant Secretary

Subscribed and sworn to before me this 26th day of July, 1974.



Notary Public

My Commission Expires:

June 28, 1978

A heat balance check is a comparison of the indicated neutron power and core thermal power.

#### 1.5.6 Heat Balance Calibration

An adjustment of the power range channel amplifiers output to agree with the core thermal power as determined by a heat balance on the secondary side of the steam generator considering all heat losses and additions.

### 1.6 POWER DISTRIBUTION

#### 1.6.1 Quadrant Power Tilt

Quadrant power tilt is defined by the following equation and is expressed in percent.

$$100 \left( \frac{\text{Power in any core quadrant}}{\text{Average power of all quadrants}} - 1 \right)$$

The power in any quadrant is determined from the power range channel displayed on the console for that quadrant. The average power is determined from an average of the outputs of the power range channels. If one of the power range channels is out of service, the incore detectors will be used. The quadrant power tilt limits as a function of power are stated in Specification 3.5.2.4.

#### 1.6.2 Reactor Power Imbalance

Reactor power imbalance is the power in the top half of the core minus the power in the bottom half of the core expressed as a percentage of rated power. Imbalance is monitored continuously by the RPS using input from the power range channels. Imbalance limits are defined in Specification 2.1 and imbalance setpoints are defined in Specification 2.3.

### 1.7 CONTAINMENT INTEGRITY

Containment integrity exists when the following conditions are satisfied:

- a. The equipment hatch is closed and sealed and both doors of the personnel hatch and emergency hatch are closed and sealed except as in b below.
- b. At least one door of the personnel hatch and the emergency hatch is closed and sealed during:
  1. Refueling
  2. Personnel passage through these hatches
  3. Maintenance, for a maximum of 48 hours, on a personnel or emergency hatch door
- c. All non-automatic containment isolation valves and blind flanges are closed as required.
- d. All automatic containment isolation valves are operable or locked closed.
- e. The containment leakage determined at the last testing interval satisfies Specification 4.4.1.