

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

CONTROL NO: 2265

FROM: Duke Power Company Charlotte, N. C. 28201 A. C. Thies	DATE OF DOC:	DATE REC'D	LTR	MEMO	RPT	OTHER
	4-4-73	4-6-73	X			
TO: Mr. DeYoung	ORIG	CC	OTHER	SENT AEC PDR		
	1			SENT LOCAL PDR		
CLASS: <u>U</u> /PROP INFO	INPUT	NO CYS REC'D		DOCKET NO:		
		1		<u>50-269/270/287</u>		

**DESCRIPTION:**  
Ltr re our 12-15-72.....furnishing comments on items enclosed in our 12-15-72 ltr under heading "Unit 1 & 2 & Units 1,2 & 3 Operations".....

**ENCLOSURES:**

**Do Not Remove**

**ACKNOWLEDGED**

**PLANT NAMES:** Oconee Units 1,2 & 3

FOR ACTION/INFORMATION 4-7-73 AB

- |                        |                              |                          |                            |
|------------------------|------------------------------|--------------------------|----------------------------|
| BUTLER(L)<br>W/ Copies | ✓ SCHWENCER(L)<br>W/9 Copies | ZIEMANN(L)<br>W/ Copies  | YOUNGBLOOD(E)<br>W/ Copies |
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|--------------------|-------------|-------------|------------|-------------|----------|
| ✓ REG FILE(3)      | TECH REVIEW | DENTON      | F & M      | WADE        | E        |
| ✓ AEC PDR (3)      | HENDRIE     | GRIMES      | SMILEY     | BROWN       | E        |
| ✓ OGC, ROOM P-506A | SCHROEDER   | GAMMILL     | NUSSBAUMER | G. WILLIAMS | E        |
| MUNTZING/STAFF     | MACCARY     | KASTNER     |            | SHEPPARD    | E        |
| CASE               | KNIGHT      | BALLARD     | LIC ASST.  |             |          |
| GIAMBUSSO          | PAWLICKI    | SPANGLER    | SERVICE    | L           | A/T IND  |
| BOYD               | SHAO        |             | WILSON     | L           | BRAITMAN |
| ✓ V. MOORE-L(BWR)  | STELLO      | ENVIRO      | GOULBOURNE | L           | SALTZMAN |
| ✓ DEYOUNG-L(PWR)   | HOUSTON     | MULLER      | SMITH      | L           |          |
| ✓ SKOVHOLT-L       | NOVACK      | DICKER      | GEARIN     | L           | PLANS    |
| P. COLLINS         | ROSS        | KNIGHTON    | DIGGS      | L           | MCDONALD |
|                    | IPPOLITO    | YOUNGBLOOD  | TEETS      | L           | DUBE     |
| REG OPR            | TEDESCO     | REGAN       | LEE        | L           |          |
| ✓ FILE & REGION(2) | LONG        | PROJ LEADER | MAIGRET    | L           | INFO     |
| MORRIS             | LAINAS      |             | SHAFFER    | F & M       | C. MILES |
| STEELE             | BENAROYA    | HARLESS     |            |             |          |
|                    | VOLLMER     |             |            |             |          |

**EXTERNAL DISTRIBUTION**

- |                        |                      |                            |                          |
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| ✓ 1-DTIE(ABERNATHY)    |                      | 1-R. CARROLL-'C, GT-B227   | 1- GERALD LELLOUCHE      |
| ✓ 1-NSIC(BUCHANAN)     |                      | 1- R. CATLIN,E-256-GT      | BROOKHAVEN NAT. LAB      |
| 1-ASLB-YORE/SAYRE      |                      | 1- CONSULTANT'S            | 1-AGMED(WALTER KOESTER,  |
| WOODWARD/H ST.         |                      | NEWMARK/BLUME/AGABIAN      | RM C-427, GT)            |
| ✓ 16-CYS ACRES HOLDING | SENT TO LIC ASST.    | 1- GERLAD ULRIKSON....ORNL | 1- RD...MULLER...F-309GT |
|                        | GOULBOURNE ON 3-9-73 |                            |                          |

D-Regulatory

File by

# DUKE POWER COMPANY

POWER BUILDING

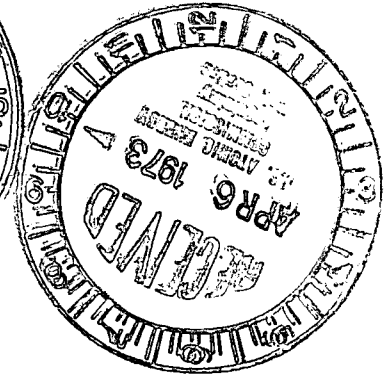
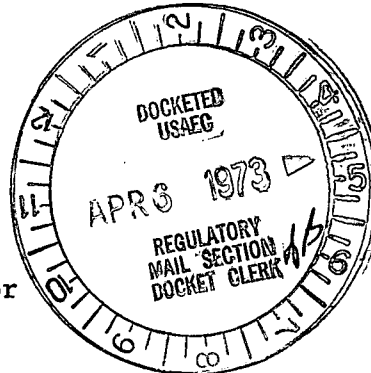
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

A. C. THIES  
SENIOR VICE PRESIDENT  
PRODUCTION AND TRANSMISSION

P. O. Box 2178

April 4, 1973

Mr. R. C. DeYoung, Assistant Director  
for Pressurized Water Reactors  
Directorate of Licensing  
U. S. Atomic Energy Commission  
Washington, D. C. 20545



Re: Oconee Nuclear Station  
Docket Nos 50-269, -270, and -287

Dear Mr. DeYoung:

In response to your letter of December 15, 1973, we wish to comment on those items enclosed in your letter under the heading, "Units 1 and 2 and Units 1, 2, and 3 Operations":

Item 5 Specification 3.9 - Objective d.

The annual average concentration of dissolved gases in liquid waste of  $4 \times 10^{-7}$   $\mu\text{Ci/ml}$  is excessively conservative since it assumes complete immersion in water for a full year. An occupancy factor based on complete immersion for 200 hours per year yields an average concentration limit of  $1.6 \times 10^{-5}$   $\mu\text{Ci/ml}$ . The inclusion of the occupancy factor is in accordance with 10 CFR 20.106(b), and we propose to change the concentration limit in Objective d. to  $1.6 \times 10^{-5}$   $\mu\text{Ci/ml}$ .

Item 6 Specification 3.9.2

Using the occupancy factor based on immersion for 200 hours per year, the appropriate quarterly average concentration is found to be  $3.2 \times 10^{-5}$   $\mu\text{Ci/ml}$ . Specification 3.9.2 will be revised to read:

"The release of radioactive liquid effluents, excluding tritium and dissolved noble gases, shall not exceed 10 curies during any calendar quarter without specific approval of the Commission. The concentration of tritium prior to release from the Restricted Area shall not exceed an average of  $4 \times 10^{-5}$   $\mu\text{Ci/ml}$  during any calendar quarter. The concentration of dissolved noble gases prior to release from the Restricted Area shall not exceed an average of  $3.2 \times 10^{-5}$   $\mu\text{Ci/ml}$  during any calendar quarter."

Item 7 Specification 3.9.3

The appropriate instantaneous concentration for dissolved noble gases, again using an occupancy factor based on 200 hours per year immersion, is  $1.6 \times 10^{-3}$   $\mu\text{Ci/ml}$ . We propose to revise Specification 3.9.3 by adding a maximum instantaneous concentration of  $1.6 \times 10^{-3}$   $\mu\text{Ci/ml}$  for dissolved noble gases.

Item 8 Specification 3.10, Objective 1

Objective 1 will be changed from  $\leq 4340 \text{ m}^3/\text{sec}$  to  $\leq 5560 \text{ m}^3/\text{sec}$  in the next revision to the FSAR.

Item 9 Specification 3.10.2

This typographical error will be corrected in the next revision to the FSAR.

Item 10 Specification 3.10, Bases

The dispersion factor will be changed from  $4.61 \times 10^{-6} \text{ sec/m}^3$  to  $3.6 \times 10^{-6} \text{ sec/m}^3$  in the next revision to the FSAR.

Item 11 Specification 4.11.1

This addition will be made in the next revision to the FSAR.

Item 12 Specification 4.2.8

This specification was changed as requested in Revision 26 for Units 1 and 2. For Unit 3, the Reactor Vessel Surveillance Program is based on equivalent exposure times of 1.8, 13.3, 26.7, and 30.0 years. The specimens have been selected and fabricated as specified in ASTM-E-185-72.

Item 13 Table 4.11.1

These additional analyses will be added in the next revision to the FSAR.

Item 14 Specification 6.1.1.6.b

The assignment of a licensed Reactor Operator to a reactor, with a licensed Senior Reactor Operator available at the station at all times, is adequate to ensure plant safety when that reactor is in a cold shut-down condition.

Item 15 Specification 6.1.1.6.e

We believe one operator per shift can adequately handle all routine station health physics requirements. For non-routine events, if additional

Mr. R. C. DeYoung

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health physics personnel are needed, they will be called in to assist.

Item 16 Proposed Specification 6.1.1.6.f

For three-unit operation, we have made provisions for a minimum shift complement of three licensed Senior Reactor Operators, four persons with Reactor Operator licenses, and four unlicensed operators. This shift staffing is more than adequate for station operation, even during periods when the computer may be inoperable. Additional manpower can be called in, if necessary, for special tests.

Sincerely,



A. C. Thies

ACT:vr

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1973 APR 6 AM 10 00

U.S. ATOMIC ENERGY COMM.  
REGULATORY  
MAIL & RECORDS SECTION

TO: DIRECTOR, REGULATORY DIVISION  
FROM: SAC, NEW YORK (100-100000)  
SUBJECT: [Illegible]

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