

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 412

FILE

FROM: Duke Power Company Charlotte, North Carolina 28201 A. C. Thies	DATE OF DOC: 1-12-73	DATE REC'D 1-16-73	LTR x	MEMO	RPT	OTHER
TO: A. Giambusso	ORIG 1 signed	CC	OTHER	SENT AEC PDR X SENT LOCAL PDR X		
CLASS: <u>U/PROP</u> INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-269 50-270 <u>50-287</u>			

DESCRIPTION:

Ltr advising of the installation of flow restrictors in each core flooding nozzles entering the reactor vessel....trans the following:

ACKNOWLEDGED DO NOT REMOVE

PLANT NAMES: Oconee Units 1-2-3

ENCLOSURES:

Ltr 1-15-73 fm B&W to Giambusso w/attached....
Babcock & Wilcox Report..including...
Atchmt 1 - Description & mechanical design of the device.
Atchmt 2 - Analysis of the core flooding line break with the flow restrictor in place.
Atchmt 3 - Shows effect of the device on the operation of ECCS for both large & small breaks.

1-16-73 fod

FOR ACTION/INFORMATION (44 cys rec'd)

BUTLER(L) W/ Copies	SCHWENCER(L) W/ Copies	SCHEMEL(L) W/ Copies	KNIGHTON(E) W/ Copies
CLARK(L) W/ Copies	STOLZ(L) W/ Copies	ZIEMANN(L) W/ Copies	YOUNGBLOOD(E) W/ Copies
GOLLER(L) W/ Copies	VASSALLO(L) W/ Copies	CHITWOOD(FM) W/ Copies	REGAN(E) W/ Copies
KNIEBL(L) W/ Copies	H. DENTON W/ Copies	DICKER(E) W/ Copies	

INTERNAL DISTRIBUTION

✓ REG FILE	TECH REVIEW	VOLLMER	HARLESS	WADE	E
✓ AEC-PDR	HENDRIE	DENTON		SHAFFER	F & M
OGC, ROOM P-506A	SCHROEDER	GRIMES	F & M	BROWN	E
MUNIZING/STAFF	✓ MACCARY (3) adv.	GAMMILL	SMILEY	G. WILLIAMS	E
CASE	✓ LANGE (@)	KASTNER	NUSSBAUMER	✓ E. GOULBOURNE	L (LTA)
GIAMBUSO	✓ PAWLICKI	BALLARD		A/T IND	
BOYD-L (BWR)	SHAO	SPANGLER	LIC ASST.	BRATTMAN	
✓ DEYOUNG-L (PWR)	✓ KNUTH (2) adv.		SERVICE L	SALTZMAN	
SKOVHOLT-L	✓ STELLO	ENVIRO	MASON L		✓ Peltier
P. COLLINS	✓ MOORE	MULLER	WILSON L	PLANS	W/1 cy adv.
	HOUSTON	DICKER	MAIGRET L	MCDONALD	
REG OPR	TEDESCO	KNIGHTON	SMITH L	DUBE	
✓ FILE & REGION (2)	LONG	YOUNGBLOOD	GEARIN L		
MORRIS	LAINAS	PROJ LEADER	DIGGS L	INFO	
STELLE	BENAROYA		TEETS L	C. MILES	
		REGAN	LEE L		

EXTERNAL DISTRIBUTION

✓ 1-LOCAL PDR Walhalla, S. C.		
✓ 1-DTIE (ABERNATHY)	(1)(5)(9)-NATIONAL LAB'S	1-PDR-SAN/LA/NY
✓ 1-NSIC (BUCHANAN)		1-GERALD LELLOUCHE
1-ASLB-YORE/SAYRE	1-R. CARROLL-OC, GT-B227	BROOKHAVEN NAT. LAB
WOODWARD/H. ST.	1-R. CATLIN, E-256-GT	1-AGMED (WALTER KOESTER,
✓ 16-CYS ACRS HOLDING	1-CONSULANT'S	Rm C-427, GT)
	NEWMARK/BLUME/AGABIAN	1-RD...MULLER...F-309GT

DUKE POWER COMPANY

POWER BUILDING

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

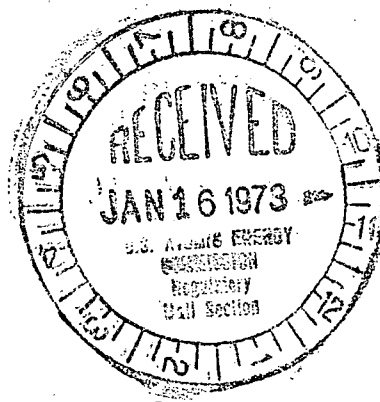
Regulatory

File Cy.

A. C. THIES
SENIOR VICE PRESIDENT
PRODUCTION AND TRANSMISSION

P. O. Box 2178

January 12, 1973



Mr. Angelo Giambusso
Deputy Director for Reactor Projects
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. Giambusso:

Duke Power Company is installing flow restrictors in each of the core flooding nozzles entering the reactor vessel at Oconee Nuclear Station. The purpose of these restrictors is to limit the magnitude of the blowdown and retain more water in the reactor vessel during a core flood line break loss-of-coolant accident. As discussed with members of your staff in Bethesda, Maryland on January 4, 1973, we will file a revision to the Final Safety Analysis Report by January 29, 1973 to document necessary information for your review on the core flood line restrictors. The purpose of this letter is to provide you with the substance of the information that will be filed on January 29 at an earlier date for your review.

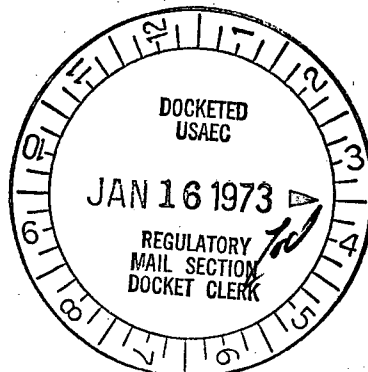
The information, which has been transmitted to you under separate cover, provides a description of the mechanical design of the flow restrictor, provides an analysis of the core flood line break with the flow restrictor in place, and shows the effect of the restrictor on the operation of the emergency core cooling system for both large and small breaks. These results demonstrate that all of the AEC interim acceptance criteria for emergency core cooling systems are satisfied.

Please advise if you have additional questions.

Sincerely,

A. C. Thies

ACT:vr



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