

FROM: Duke Power Company Charlotte, N.C. 28201 Mr. A.C. Thies		DATE OF DOC 7-22-74	DATE REC'D 7-26-74	LTR X	TWX	RPT	OTHER
TO: A. Giambusso		ORIG 1 signed	CC	OTHER	SENT AEC PDR <u>XXX</u> SENT LOCAL PDR <u>XXX</u>		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: <u>50-269</u> /270/287		

DESCRIPTION:  
Ltr furn info concerning fish impingement at the Oconee Nuclear Station....trans the following...

ENCLOSURES:  
Enclosure #1..."Summary of fish impingement data per intake screen"...

**ACKNOWLEDGED**  
(1 cy encl rec'd)

PLANT NAME: Oconee

**DO NOT REMOVE**

FOR ACTION/INFORMATION 7-29-74 JB

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/ 2 Copies	LEAR(L) W/ Copies
PARR(L) W/ Copies	VASSALLO(L) W/ Copies	KNIGHTON(E) W/ Copies	w/ Copies
KNIEL(L) W/ Copies	PURPLE (L) W/ Copies	YOUNGBLOOD(E) W/ Copies	W/ Copies

INTERNAL DISTRIBUTION

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

EXTERNAL DISTRIBUTION

1 - LOCAL PDR <u>Walhalla, S.C.</u>	1 - NATIONAL LAB'S <u>ORNL</u>	1 - PDR-SAN/LA/NY
1 - TIC (ABERNATHY)	1-ASLBP(E/W Bldg, Rm 529)	1-LIBRARIAN
1 - 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.
16 - CYS ACRS HOLDING	1-GERALD ULRIKSON...ORNL	1-RD..MULLER..F-309 GT
	1-B & M SWINEBROAD, Rm E-201 GT	

## DUKE POWER COMPANY

POWER BUILDING

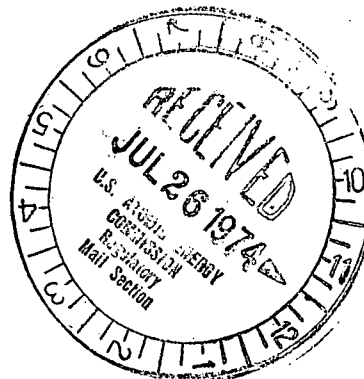
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

A. C. THIES  
SENIOR VICE PRESIDENT  
PRODUCTION AND TRANSMISSION

P. O. Box 2178

July 22, 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:

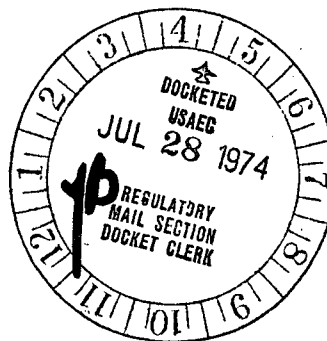
On July 11, 1974, six of the 24 condenser cooling water (CCW) intake screens at the Oconee Nuclear Station were inspected. A number of small fingerling fish were found impinged upon these screens. Oconee Environmental Technical Specification 1.4(A) requires a report of any significant fish mortalities, and in any case, any mortality which involves greater than 100 fish.

A total of 3,481 fish weighing 22 pounds had collected on the screens during the two-week interval from June 27 to July 11. The fish were removed from the screens and categorized, where possible, as to screen location, type, size, degree of decomposition, and weight. This information is tabulated in Enclosure 1.

The six intake screens were for CCW pumps 1A, 2A, and 3A. Eighty-eight percent of the fish were located on the screens for pump 1A. During the two weeks since the last inspection, the CCW pumps operated in the normal mode for the following time percentages:

CCW Pump 1A	89%
CCW Pump 2A	31%
CCW Pump 3A	84%

It appears that screen location and not water velocity was the major factor in the collection of these fish.

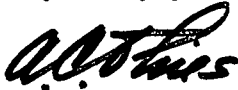


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It is concluded that the mortality of these 22 pounds of fish had an insignificant effect on the environment.

Very truly yours,



A. C. Thies

ACT:vr

cc: Mr. Norman C. Moseley  
Mr. H. J. Logan  
S. C. Wildlife & Marine Resources Department

## Enclosure 1

## SUMMARY OF FISH IMPINGEMENT DATA PER INTAKE SCREEN

<u>Intake Screen</u>	<u>Fish Impinged</u>		<u>Size Groups</u>		<u>Degree Of Decomposition*</u>		<u>Weight</u>
1A1	Bluegill	494	2-4 cm	613	Class 1	45	6800 grams
	Yellow Perch	120	4-6 cm	1536	Class 2	419	
	White Crappie	3	6-8 cm	98	Class 3	157	
	Pumpkinseed	1	8-10 cm	9	Class 4	1643	
	Warmouth Bass	1	10-12 cm	6		2264	
	Largemouth Bass	1	14-16 cm	1			
	Unidentified	1644	16-18 cm	1			
	TOTAL FISH	2264		2264			
1A2	Bluegill	502	2-4 cm	52	Class 1	9	3500 grams
	Yellow Perch	64	4-6 cm	745	Class 2	431	
	Unidentified	257	6-8 cm	23	Class 3	125	
	TOTAL FISH	823	8-10 cm	1	Class 4	258	
			10-12 cm	1		823	
			12-14 cm	1			
				823			
2A1	Bluegill	212	2-4 cm	37	Class 1	1	500 grams
	Yellow Perch	7	4-6 cm	179	Class 2	143	
	TOTAL FISH	219	6-8 cm	3	Class 3	75	
				219	Class 4	0	
					219		
2A2	Bluegill	158	2-4 cm	3	Class 1	2	400 grams
	Yellow Perch	9	4-6 cm	156	Class 2	101	
	TOTAL FISH	167	6-8 cm	8	Class 3	64	
				167	Class 4	0	
					167		
3A1	No fish impinged on Screen 3A1						
3A2	Bluegill	7	2-4 cm	3	Class 1	0	10 grams
	Yellow Perch	1	4-6 cm	4	Class 2	0	
	TOTAL FISH	8	10-12 cm	1	Class 3	8	
				8	Class 4	0	
					8		

\*Class 1 - No visible signs of decomposition

Class 2 - Slightly decomposed

Class 3 - Badly decomposed but identifiable

Class 4 - Badly decomposed, unidentifiable