

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 SENT LOCAL PDR		XXX XXX
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-269/270/287			

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)

DO NOT REMOVE

PLANT NAME: Oconee

FOR ACTION/INFORMATION

7-29-74

JB

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INTERNAL DISTRIBUTION

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EXTERNAL DISTRIBUTION

1 - LOCAL PDR Walhalla, S.C.	(1) (2) NATIONAL LAB'S / ORNL	1-PDR-SAN/LA/NY
1 - TIC (ABERNATHY)	1-ASLEP (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/AGABRIAN	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	

Rg.

DUKE POWER COMPANY

POWER BUILDING

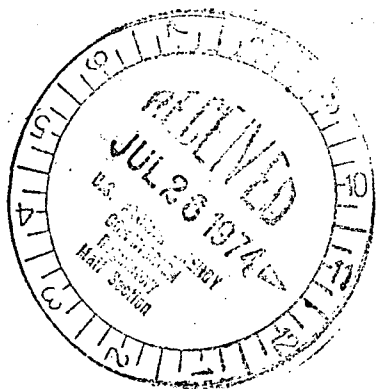
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

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:

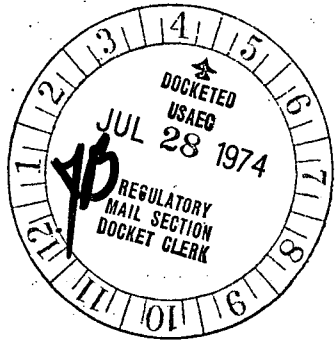
On July 11, 1974, six of the 24 condenser cooling water (CCW) intake screens at the Oconee Nuclear Station were inspected. A number of small fingerling fish were found impinged upon these screens. Oconee Environmental Technical Specification 1.4(A) requires a report of any significant fish mortalities, 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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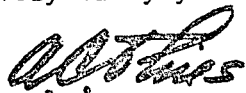
Mr. Angelo Giambusso

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July 22, 1974

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