

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 2620

FILE: Enviro

FROM: Duke Power Co. Charlotte, N.C. A.C. Thies		DATE OF DOC 3-7-75	DATE REC'D 3-10-75	LTR xx	TWX	RPT	OTHER
TO: Mr. Angelo Giambusso		ORIG 2-signed	CC	OTHER	SENT AEC PDR <u>xxx</u> SENT LOCAL PDR <u>xxx</u>		
CLASS	UNCLASS xxxxx	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: <u>50-269</u> 270, and 287		
DESCRIPTION: Ltr trans the following: PLANT NAME: Oconee 1-3				ENCLOSURES: Enclosure 1 Oconee Nuclear Station Summary of Fish Impingement Data Per Intake Screen February, 27, 1975			

FOR ACTION/INFORMATION 3-11-75 JGB

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	SPELS W/ Copies
KNIEL (L) W/ Copies	PURPLE (L) W/ Copies	YOUNGBLOOD (E) W/ Copies	W/ Copies

INTERNAL DISTRIBUTION

<u>REG FILE</u> NRC PDR OGC, ROOM P-506A BOSSICK/STAFF CASE GIAMBUSSO BOYD MOORE (L) DEYOUNG (L) SKOVHOLT (L) GOLLER (L) (Ltr) P. COLLINS DENISE REG OPR FILE & REGION (2) T.R. WILSON STEELE	<u>TECH REVIEW</u> SCHROEDER MACCARY KNIGHT PAWLICKI SHAO STELLO HOUSTON NOVAK ROSS IPPOLITO TEDESCO LONG LAINAS BENAROYA VOLLMER	ENTON GRIMES GAMMILL KASTNER BALLARD SPANGLER ENVIRO MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR <u>Mark Au</u> HARLESS	<u>LIC ASST</u> R. DIGGS (L) H. GEARIN (L) E. GOULBOURNE (L) P. KREUTZER (E) J. LEE (L) M. MAIGRET (L) S. REED (E) M. SERVICE (L) S. SHEPPARD (L) M. SLATER (E) H. SMITH (L) S. TEETS (L) G. WILLIAMS (E) V. WILSON (L) R. INGRAM (L)	<u>A/T IND.</u> BRAITMAN SALTZMAN MELTZ <u>PLANS</u> MCDONALD CHAPMAN DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) KLECKER EISENHUT WIGGINTON
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EXTERNAL DISTRIBUTION

<ul style="list-style-type: none"> ✓ LOCAL PDR <u>Walhalla, S.C.</u> ✓ TIC (ABERNATHY) ✓ (1) (2) (10) 1 - NSIC (BUCHANAN) 1 - ASLB 1 - Newton Anderson ✓ 1 - ACRS SENT 	<ul style="list-style-type: none"> 1 - NATIONAL LABS <u>ORNL</u> 1 - W. PENNINGTON, Rm E-201 GT 1 - CONSULTANTS NEWMARK/BLUME/AGBABIAN 	<ul style="list-style-type: none"> 1 - PDR-SAN/LA/NY 1 - BROOKHAVEN NAT LAB 1 - G. ULRIKSON, ORNL 1 - AGMED (RUTH GUSSMAN) Rm B-127 GT 1 - J. D. RUNKLES, Rm E-201 GT
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+ P. Kreutzer

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

March 7, 1975



Mr. Angelo Giambusso, Director
Division of Reactor Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

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

Dear Mr. Giambusso:

On February 27, 1975, nine of the 24 condenser cooling water (CCW) intake screens at the Oconee Nuclear Station were inspected. A total of approximately 67,000 small fingerling fish, weighing 137 kilograms, had collected on the screens. The fish, averaging 2.0 grams per 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. It is concluded that the mortality of these 137 kilograms of fish had an insignificant effect on fisheries resources in Lake Keowee.

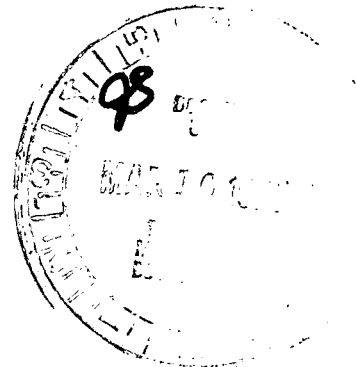
Very truly yours,

A handwritten signature in cursive script that reads "A. C. Thies".

A. C. Thies

ACT:vr
Enclosure

cc: Mr. H. J. Logan
S. C. Wildlife & Marine Resources Dept.



2620

Enclosure 1
 Oconee Nuclear Station
 Summary of Fish Impingement Data
 Per Intake Screen
 February 27, 1975

Screen 1A1

Total Fish Impinged - 13,532

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Bluegill - 1	2-4 cm - 3,060	Class 1 - 0	~28.5 kg
Yellow perch - 630	4-6 cm - 7,936	Class 2 - 8,327	
Threadfin shad - 11,921	6-8 cm - 2,383	Class 3 - 4,225	
Unidentifiable - 980	8-10cm - 153	Class 4 - 980	

Screen 1A2

Total Fish Impinged - 13,390

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition</u>	<u>Weight</u>
Bluegill - 11	2-4 cm - 3,478	Class 1 - 0	~25 kg
Yellow perch - 780	4-6 cm - 8,616	Class 2 - 10,380	
Threadfin shad - 11,923	6-8 cm - 1,140	Class 3 - 2,335	
Unidentifiable - 675	8-10cm - 155	Class 4 - 675	
Crappie - 1	10-12cm - 1		

Screen 2A1

No Fish Impinged

Screen 2A2

No Fish Impinged

Screen 2D2

Total Fish Impinged - 3,506

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition</u>	<u>Weight</u>
Unidentifiable - 3,506	2-4 cm - 1,200	Class 1 - 0	~7 kg**
	4-6 cm - 1,850	Class 2 - 0	
	6-8 cm - 395	Class 3 - 0	
	8-10cm - 61	Class 4 - 3,506	

Screen 3A1

Total Fish Impinged - 6,129

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition</u>	<u>Weight</u>
Bluegill - 7	2-4 cm - 1,767	Class 1 - 2	~13 kg
Yellow perch - 21	4-6 cm - 3,468	Class 2 - 3,372	
Threadfin shad - 4,654	6-8 cm - 797	Class 3 - 1,308	
Unidentifiable - 1,447	8-10cm - 97	Class 4 - 1,447	

Enclosure 1 (Cont.)

Screen 3A2

Total Fish Impinged - 4,141

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition</u>	<u>Weight</u>
Bluegill - 2	2-4 cm - 659	Class 1 - 0	
Yellow perch - 6	4-6 cm - 2,906	Class 2 - 1,729	~9.5 kg
Threadfin shad - 2,637	6-8 cm - 496	Class 3 - 917	
Unidentifiable - 1,495	8-10cm - 80	Class 4 - 1,495	
Largemouth Bass - 1			

Screen 3B1

Total Fish Impinged - 14,685

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition</u>	<u>Weight</u>
Threadfin shad - 35	2-4 cm - 5,910	Class 1 - 0	
Unidentifiable - 14,650	4-6 cm - 6,993	Class 2 - 33	~30 kg**
	6-8 cm - 1,608	Class 3 - 2	
	8-10cm - 174	Class 4 - 14,650	

Screen 3B2

Total Fish Impinged - 11,924

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition</u>	<u>Weight</u>
Threadfin shad - 61	2-4 cm - 4,410	Class 1 - 0	
Unidentifiable - 11,863	4-6 cm - 4,892	Class 2 - 31	~24 kg**
	6-8 cm - 2,391	Class 3 - 30	
	8-10cm - 231	Class 4 - 11,863	

- *Class 1 - No sign of decomposition
- Class 2 - Slightly decomposed
- Class 3 - Badly decomposed, identifiable
- Class 4 - Badly decomposed, unidentifiable

**Estimated weight due to extreme decomposition