

**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 xxx		
					SENT LOCAL PDR xxx		
CLASS	UNCLASS xxxxx	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-269, 270, and <b>287</b>		

DESCRIPTION:  
Ltr trans the following:  
*[Handwritten notes and stamps]*

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)<br>W/ Copies | SCHWENCER (L)<br>W/ Copies | ZIEMANN (L)<br>W/ Copies    | REGAN (E)<br>W/ Copies |
| CLARK (L)<br>W/ Copies  | STOLZ (L)<br>W/ Copies     | DICKER (E)<br>W/2 Copies    | LEAR (L)<br>W/ Copies  |
| PARR (L)<br>W/ Copies   | VASSALLO (L)<br>W/ Copies  | KNIGHTON (E)<br>W/ Copies   | SPELS<br>W/ Copies     |
| KNIEL (L)<br>W/ Copies  | PURPLE (L)<br>W/ Copies    | YOUNGBLOOD (E)<br>W/ Copies | W/ Copies              |

**INTERNAL DISTRIBUTION**

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

**EXTERNAL DISTRIBUTION**

- |                                       |                                |   |
|---------------------------------------|--------------------------------|---|
| 1 - LOCAL PDR Valhalla, S.C.          | 1 - NATIONAL LABS <i>OKAL</i>  | 1 - PDR-SAN/LA/NY                       |
| 1 - TIC (ABERNATHY) <i>1/1/2/1/10</i> | 1 - W. PENNINGTON, Rm E-201 GT | 1 - BROOKHAVEN NAT LAB                  |
| 1 - NSIC (BUCHANAN)                   | 1 - CONSULTANTS                | 1 - G. ULRIKSON, ORNL                   |
| 1 - ASLS                              | NEWMARK/BLUME/AGBABIAN         | 1 - AGMED (RUTH GUSSMAN)<br>Rm B-127 GT |
| 1 - Newton Anderson                   |                                | 1 - J. D. RUNKLES, Rm E-201<br>GT       |
| 1 - ACRS <del>SENT</del>              |                                |   |
- to P. Kreutzer*

DUKE POWER COMPANY

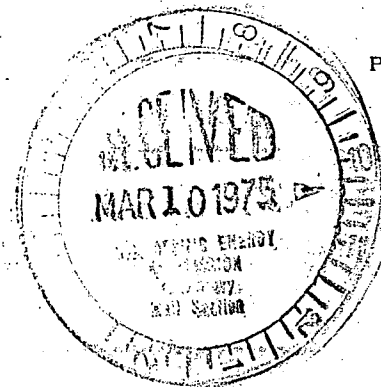
POWER BUILDING

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, appearing to read '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	~9.5 kg
Yellow perch - 6	4-6 cm - 2,906	Class 2 - 1,729	
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	~30 kg**
Unidentifiable - 14,650	4-6 cm - 6,993	Class 2 - 33	
	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	~24 kg**
Unidentifiable - 11,863	4-6 cm - 4,892	Class 2 - 31	
	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