

CONTROL NO: 4345  
FILE: ENVIOR.

FROM: Duke Power Co. Charlotte, N.C. A.C. Thies		DATE OF DOC 4-16-75	DATE REC'D 4-21-75	LTR XXX	TWX	RPT	OTHER
TO: A. Gjambusso		ORIG 1 Signed	CC	OTHER	SENT AEC PDR <u>XXXx</u> SENT LOCAL PDR <u>XXX</u>		
CLASS	UNCLASS XXX	PROP. INFO	INPUT	NO CYS REC'D 1.	DOCKET NO: 50-269/270/287		

DESCRIPTION:  
  
Ltr. trans the followings...

PLANT NAME: Oconee # 1/2/3

ENCLOSURES:  
  
Abnorm. Occurr. on 4-10-75, concerning fish impingement data .....

**DO NOT REMOVE  
ACKNOWLEDGED**

**FOR ACTION/INFORMATION**

VCR 4-21-75

- |                         |                            |                             |                        |
|-------------------------|----------------------------|-----------------------------|------------------------|
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**INTERNAL DISTRIBUTION**

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|----------------------------|--------------------------|------------------|--------------------------|----------------------|
| <u>REG FILE</u><br>NRC PDR | TECH REVIEW<br>SCHROEDER | DENTON<br>GRIMES | LIC ASST<br>R. DIGGS (L) | A/T IND.<br>BRAITMAN |
| OGC, ROOM P-506A           | MACCARY                  | GAMMILL          | H. GEARIN (L)            | SALTZMAN             |
| GOSSICK/STAFF              | KNIGHT                   | KASTNER          | E. GOULBOURNE (L)        | MELTZ                |
| CASE                       | PAWLICKI                 | BALLARD          | P. KREUTZER (E)          |                      |
| GIAMBUSO                   | SHAO                     | SPANGLER         | J. LEE (L)               | PLANS                |
| BOYD                       | STELLO                   |                  | M. MAIGRET (L)           | MCDONALD             |
| MOORE (L)                  | HOUSTON                  | ENVIRO           | S. REED (E)              | CHAPMAN              |
| DEYOUNG (L)                | NOVAK                    | MULLER           | M. SERVICE (L)           | DUBE (Ltr)           |
| SKOVHOLT (L)               | ROSS                     | DICKER           | S. SHEPPARD (L)          | E. COUPE             |
| GOLLER (L) (Ltr)           | IPPOLITO                 | KNIGHTON         | M. SLATER (E)            | PETERSON             |
| P. COLLINS                 | TEDESCO                  | YOUNGBLOOD       | H. SMITH (L)             | HARTFIELD (2)        |
| DENISE                     | LONG                     | REGAN            | S. TEETS (L)             | KLECKER              |
| REG OPR                    | LAINAS                   | PROJECT LDR      | G. WILLIAMS (E)          | EISENHUT             |
| FILE & REGION (2)          | BENAROYA                 | <u>M. Dew</u>    | V. WILSON (L)            | WIGGINTON            |
| T.R. WILSON 3              | VOLLMER                  | HARLESS          | R. INGRAM (L)            |                      |
| STEELE                     |                          |                  |                          |                      |

**EXTERNAL DISTRIBUTION**

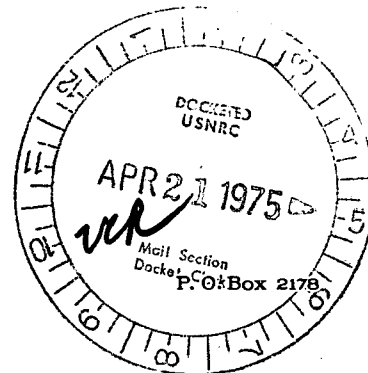
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|-----------------------------------|--------------------------------|---|
| 1 - LOCAL PDR <u>Waltham S.C.</u> | 1 - NATIONAL LASS <u>ORNL</u>  | 1 - PDR SAN LA/NY                       |
| 1 - TIC (ABERNATHY) (1)(2)(10)    | 1 - W. PENNINGTON, Rm E-201 GT | 1 - BROOKHAVEN NAT LAB                  |
| 1 - NSIC (BUCHANAN)               | 1 - CONSULTANTS                | 1 - G. ULRIKSON, ORNL                   |
| 1 - ASLB                          | NEWMARK/BLUME/AGBABIAN         | 1 - AGMED (RUTH GUSSMAN)<br>Rm B-127 GT |
| 1 - Newton Anderson               |                                | 1 - J. D. RUNKLES, Rm E-201<br>GT       |
| - ACRS HOLDING/SENT               |                                |   |

DUKE POWER COMPANY

POWER BUILDING

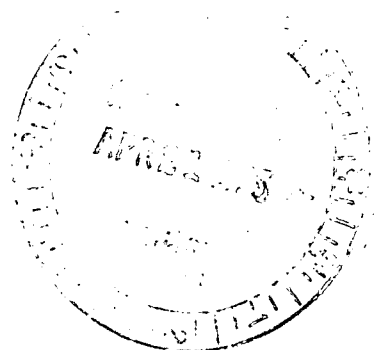
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

A. C. THIES  
SENIOR VICE PRESIDENT  
PRODUCTION AND TRANSMISSION



April 16, 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 April 10, 1975, six of the 24 condenser cooling water (CCW) intake screens at the Oconee Nuclear Station were inspected. A total of approximately 6,000 small fingerling fish, weighing 15.2 kilograms, had collected on the screens. The fish, averaging 2.5 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 15.2 kilograms of fish had an insignificant effect on fisheries resources in Lake Keowee.

Very truly yours,

A. C. Thies

ACT:vr  
Enclosure

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

4345

Enclosure 1

Summary of Fish Impingement Data

Per Intake Screen

Oconee Nuclear Station

April 10, 1975

Screen 1A1

Total Fish Impinged - 2,825

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Yellow Perch - 375	2-4 cm - 946	Class 1 - 0	6.6 kg
Bluegill - 27	4-6 cm - 1,502	Class 2 - 286	
Crappie - 1	6-8 cm - 371	Class 3 - 579	
Threadfin Shad - 462	8-10cm - 6	Class 4 - 1,960	
Unidentifiable - 1,960			

Screen 1A2

Total Fish Impinged - 2,122

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Yellow Perch - 407	2-4 cm - 538	Class 1 - 1	5.6 kg
Bluegill - 29	4-6 cm - 1,003	Class 2 - 583	
Crappie - 2	6-8 cm - 575	Class 3 - 205	
Threadfin Shad - 351	8-10cm - 4	Class 4 - 1,333	
Unidentifiable - 1,333	10-12cm - 2		

Screen 2A1

No Fish Impinged

Screen 2A2

No Fish Impinged

Screen 3A1

Total Fish Impinged - 801

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Yellow Perch - 33	2-4 cm - 250	Class 1 - 2	2.0 kg
Bluegill - 7	4-6 cm - 420	Class 2 - 128	
Threadfin Shad - 356	6-8 cm - 131	Class 3 - 266	
Unidentifiable - 405		Class 4 - 405	

Screen 3A2

Total Fish Impinged - 388

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Yellow Perch - 34	2-4 cm - 111	Class 1 - 4	1.0 kg
Bluegill - 14	4-6 cm - 201	Class 2 - 111	
Threadfin Shad - 170	6-8 cm - 75	Class 3 - 103	
Unidentifiable - 170	10-12cm - 1	Class 4 - 170	

\*Class 1 - No noticeable decomposition  
 Class 2 - Slightly decomposed  
 Class 3 - Badly decomposed, identifiable  
 Class 4 - Badly decomposed, unidentifiable