

CONTROL NO: 4874

FILE: Enviro.

|   |               |                        |                      |                   |  |     |       |
|---|---------------|------------------------|----------------------|-------------------|--|-----|-------|
| FROM: Duke Power Company<br>Charlotte, N.C. 28201<br>A.C. Thies |               | DATE OF DOC<br>4-30-75 | DATE REC'D<br>5-3-75 | LTR<br>XX         | TWX  | RPT | OTHER |
| TO:<br>Mr. Angelo Giambusso                                     |               | ORIG<br>1 signed       | CC<br>1              | OTHER             | SENT AEC PDR <u>XX</u><br>SENT LOCAL PDR <u>XX</u> |     |       |
| CLASS   | UNCLASS<br>XX | PROP INFO              | INPUT                | NO CYS REC'D<br>1 | DOCKET NO:<br><u>50-269</u> -270, -287             |     |       |

DESCRIPTION: Ltr trans the following:

ACKNOWLEDGED  
DO NOT REMOVE

ENCLOSURES: Summary of Fish Impingement Data Per Intake Screen: 4-24-75

PLANT NAME: Oconee Nuclear Station.

FOR ACTION/INFORMATION WIM 5-5-75

|                         |                            |                             |                        |
|-------------------------|----------------------------|-----------------------------|------------------------|
| 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 |                        |

INTERNAL DISTRIBUTION

|   |   |   |   |  |
|---|---|---|---|--|
| <u>REG FILE</u><br>NRC PDR<br>OGC, ROOM P-506A<br>GOSSICK/STAFF<br>CASE<br>GIAMBUSO<br>BOYD<br>MOORE (L)<br>DEYOUNG (L)<br>SKOVHOLT (L)<br>GOLLER (L) (Ltr)<br>P. COLLINS<br>DENISE<br><u>REG OPR (2)</u><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 | DENTON<br>GRIMES<br>GAMMILL<br>KASTNER<br>BALLARD<br>SPANGLER<br><u>ENVIRO</u><br>MULLER<br>DICKER<br>KNIGHTON<br>YOUNGBLOOD<br>REGAN<br>PROJECT LDR<br><u>M. AW</u><br>HARLESS | LIC ASST<br>R. DIGGS (L)<br>H. GEARIN (L)<br>E. GOULBOURNE (L)<br>P. 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>PLANS<br>MCDONALD<br>CHAPMAN<br>DUBE (Ltr)<br>E. COUPE<br>PETERSON<br>HARTFIELD (2)<br>KLECKER<br>EISENHUT<br>WIGGINTON<br>HAWAVER<br>J. COLLINS<br>KASTNER |
|---|---|---|---|--|

EXTERNAL DISTRIBUTION

|  |                                |  |
|--|--------------------------------|--|
| 1 - LOCAL PDR <u>WALHALL</u> S.C.      | 1 - NATIONAL LASS <u>ORNL</u>  | 1 - PDR SAN/LA/NY                      |
| 1 - TIC (ABERNATHY) (1) <del>1 -</del> | 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 - AGNED (RUTH GUSMAN)<br>Rm B-127 GT |
| 1 - Newton Anderson                    |                                | 1 - J. D. RUNKLES, Rm E-201<br>GT      |
| 1 - 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 30, 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 24, 1975, six of the 24 condenser cooling water (CCW) intake screens at the Oconee Nuclear Station were inspected. A total of 1,200 small fingerling fish, weighing 6.3 kilograms, had collected on the screens. The fish, averaging 5.2 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 6.3 kilograms of fish had an insignificant effect on fisheries resources in Lake Keowee.

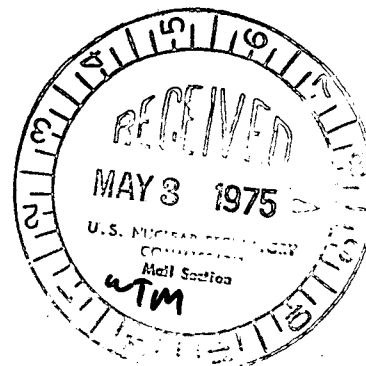
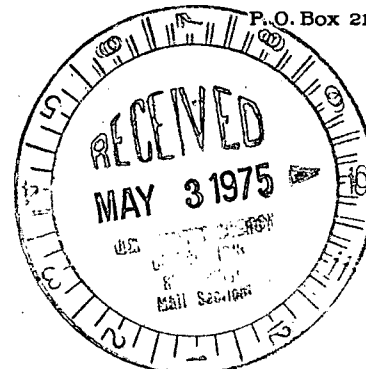
Very truly yours,



A. C. Thies

ACT:vr  
Enclosure

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



Enclosure 1  
 Summary of Fish Impingement Data  
 Per Intake Screen  
 Oconee Nuclear Station  
 April 24, 1975

Screen 1A1

No fish observed

Screen 1A2

No fish observed

Screen 2A1

Total Fish Impinged - 1,021

| <u>Species Composition</u> | <u>Size Groups</u> | <u>Decomposition*</u> | <u>Weight</u> |
|----------------------------|--------------------|-----------------------|---------------|
| Bluegill - 1               | 2-4 cm - 217       | Class 1 - 0           | 5500 gms      |
| Yellow perch - 9           | 4-6 cm - 534       | Class 2 - 75          |               |
| Crappie - 2                | 6-8 cm - 260       | Class 3 - 5           |               |
| Threadfin shad - 68        | 8-10cm - 10        | Class 4 - 941         |               |
| Unidentified - 941         |                    |                       |               |

Screen 2A2

Total Fish Impinged - 185

| <u>Species Composition</u> | <u>Size Groups</u> | <u>Decomposition</u> | <u>Weight</u> |
|----------------------------|--------------------|----------------------|---------------|
| Bluegill - 3               | 2-4 cm - 2         | Class 1 - 2          | 850 gms       |
| Yellow perch - 7           | 4-6 cm - 69        | Class 2 - 21         |               |
| Crappie - 1                | 6-8 cm - 113       | Class 3 - 7          |               |
| Threadfin shad - 19        | 8-10cm - 1         | Class 4 - 155        |               |
| Unidentified - 155         |                    |                      |               |

Screen 3A1

No fish observed

Screen 3A2

Total Fish Impinged - 11

| <u>Species Composition</u> | <u>Size Groups</u> | <u>Decomposition</u> | <u>Weight</u> |
|----------------------------|--------------------|----------------------|---------------|
| Bluegill - 1               | 2-4 cm - 1         | Class 1 - 0          | 20 gms        |
| Yellow perch - 9           | 4-6 cm - 9         | Class 2 - 10         |               |
| Unidentified - 1           | 6-8 cm - 1         | Class 3 - 0          |               |
|                            |                    | Class 4 - 1          |               |

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