

AEC DISTRIBUTION FOR PART-50 DOCKET MATERIAL  
(TEMPORARY FORM)

CONTROL NO: 13141  
FILE: ENVIRON

FROM: Duke Power Company Charlotte, N.C. 28201 Mr. A.C. Thies		DATE OF DOC 12-26-74	DATE REC'D 12-30-74	LTR X	TWX	RPT	OTHER
TO: A. Giambusso		ORIG 1 signed	CC	OTHER	SENT AEC PDR <u>XXX</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 reporting an Environmental Abnormal Occurrence at the Oconee Nuclear Facility ...trans the following....				ENCLOSURES: Encl #1..Summary of Fish Impingement... Data Per Intake Screen...  (1 cy encl rec'd)			
PLANT NAME: Oconee 1, 2, & 3							

FOR ACTION/INFORMATION 12-30-74 JB

- |                         |                            |                             |                        |
|-------------------------|----------------------------|-----------------------------|------------------------|
| BUTLER (L)<br>W/ Copies | SCHWENGER (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   | W/ Copies              |
| KNIEL (L)<br>W/ Copies  | PURPLE (L)<br>W/ Copies    | YOUNGBLOOD (E)<br>W/ Copies | W/ Copies              |

INTERNAL DISTRIBUTION

- |   |   |   |  |   |
|---|---|---|--|---|
| ✓ REG FILE<br>AEC PDR<br>OGC, ROOM P-506A<br>✓ MUNTZING STAFF<br>CASE<br>GIAMBUSO<br>BOYD<br>MOORE (L) (BWR)<br>DEYOUNG (L) (PWR)<br>SKOVHOLT (L)<br>✓ GOLLER (L)<br>P. COLLINS<br>DENISE<br>✓ REG OPR<br>FILE & REGION 2<br>MORRIS<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>VOLIMER | ✓ DENTON<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>Scaletti (2)</i><br>HARLESS | LIC ASST<br>DIGGS (L)<br>GEARIN (L)<br>GOULBOURNE (L)<br>✓ KREUTZER (E)<br>LEE (L)<br>MAIGRET (L)<br>REED (E)<br>SERVICE (L)<br>✓ SHEPPARD (L)<br>SLATER (E)<br>SMITH (L)<br>TEETS (L)<br>WILLIAMS (E)<br>WILSON (L) | A/T IND<br>BRAITMAN<br>SALTZMAN<br>B. HURT<br><br>PLANS<br>MCDONALD<br>CHAPMAN<br>DUBE w/ input<br>E. COUPE<br><br>D. THOMPSON (2)<br>KLECKER<br>EISENHUT |
|---|---|---|--|---|

EXTERNAL DISTRIBUTION

- |  |   |                       |            |                       |                          |                               |                            |                                |                                 |   |                   |                        |                      |   |                                   |
|--|---|-----------------------|------------|-----------------------|--------------------------|-------------------------------|----------------------------|--------------------------------|---------------------------------|---|-------------------|------------------------|----------------------|---|-----------------------------------|
| ✓ 1 - LOCAL PDR <i>Walshella, S.C.</i> | ✓ 1 - TIC (ABERNATHY) (1) <i>(2/11)</i> | ✓ 1 - NSIC (BUCHANAN) | ✓ 1 - ASLB | ✓ 1 - Nathan Anderson | ✓ 1 - ACRS <i>CEBINS</i> | 1 - NATIONAL LABS <i>ORNL</i> | 1 - ASLB/IE W/ BHM, Rm 539 | 1 - W. PENNINGTON, Rm E-201 GT | 1 - BSM SAINEBROAD, Rm E-201 GT | 1 - CONSULTANTS<br>NEWMARK BLUMETAGBARIAN | 1 - PDR SAN LAINY | 1 - BROOKHAVEN NAT LAB | 1 - G. ULRIKSON ORNL | 1 - AGMED (RUTH GLISMAN)<br>Rm B-127 GT | 1 - B. D. MUELLER, Rm E-300<br>GT |
|--|---|-----------------------|------------|-----------------------|--------------------------|-------------------------------|----------------------------|--------------------------------|---------------------------------|---|-------------------|------------------------|----------------------|---|-----------------------------------|

Reginald Ernest King

DUKE POWER COMPANY

POWER BUILDING

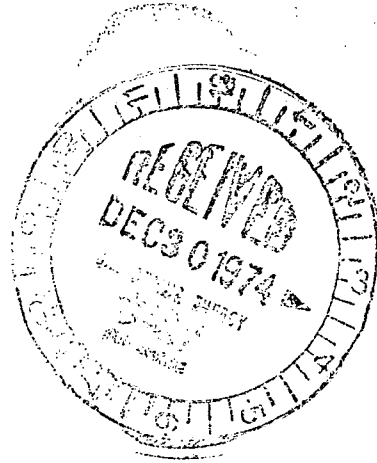
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

A. C. THIES  
SENIOR VICE PRESIDENT  
PRODUCTION AND TRANSMISSION

P. O. Box 2178

December 26, 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:

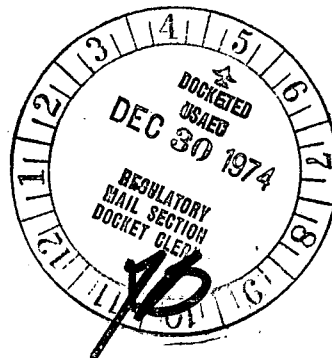
On December 19, 1974, ten of the 24 condenser cooling water (CCW) intake screens at the Oconee Nuclear Station were inspected. A total of 11,760 small fingerling fish, weighing 19.4 kilograms, had collected on the screens. The fish, averaging 1.6 grams per fish, were removed from the screens and categorized, 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 19.4 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.



13141

Enclosure 1  
 Oconee Nuclear Station  
 Summary of Fish Impingement  
 Data Per Intake Screen  
 December 19, 1974

Screen 1-A-1

Total Fish Impinged - 1465

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Threadfin Shad - 630	2-4 cm - 658	Class 1 - 0	
Unidentified - 817	4-6 cm - 711	Class 2 - 415	~ 250 gms
Bluegill - 15	6-8 cm - 93	Class 3 - 233	
Yellow Perch - 3	8-10cm - 2	Class 4 - 817	
	10-12cm - 1		

Screen 1-A-2

Total Fish Impinged - 1643

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Threadfin Shad - 794	2-4 cm - 451	Class 1 - 0	
Unidentified - 835	4-6 cm - 917	Class 2 - 322	~ 2700 gms
Yellow Perch - 8	6-8 cm - 274	Class 3 - 486	
Bluegill - 5	16-18cm - 1	Class 4 - 835	
Crappie - 1			

Screen 2-A-1

Total Fish Impinged - 4010

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Threadfin Shad - 3651	2-4 cm - 1197	Class 1 - 0	
Unidentified - 321	4-6 cm - 2523	Class 2 - 3305	~ 6400 gms
Yellow Perch - 29	6-8 cm - 290	Class 3 - 384	
Bluegill - 9		Class 4 - 321	

Screen 2-A-2

Total Fish Impinged - 1450

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Threadfin Shad - 1359	2-4 cm - 174	Class 1 - 0	
Unidentified - 85	4-6 cm - 1217	Class 2 - 1350	~ 2300 gms
Yellow Perch - 5	6-8 cm - 59	Class 3 - 15	
Bluegill - 1		Class 4 - 85	

Screen 3-A-1

Total Fish Impinged - 601

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Threadfin Shad - 553	2-4 cm - 41	Class 1 - 0	~ 1400 gms
Unidentified - 46	4-6 cm - 527	Class 2 - 551	
Yellow Perch - 1	6-8 cm - 33	Class 3 - 4	
Bluegill - 1		Class 4 - 46	

Screen 3-A-2

Total Fish Impinged - 883

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition *</u>	<u>Weight</u>
Threadfin Shad - 869	2-4 cm - 81	Class 1 - 0	~ 1800 gms
Unidentified - 13	4-6 cm - 747	Class 2 - 872	
Yellow Perch - 1	6-8 cm - 55	Class 3 - 1	
		Class 4 - 10	

Screen 3-B-1

Total Fish Impinged - 309

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Threadfin Shad - 309	2-4 cm - 26	Class 1 - 0	~ 500 gms
	4-6 cm - 282	Class 2 - 309	
	6-8 cm - 1	Class 3 - 0	
		Class 4 - 0	

Screen 3-B-2

Total Fish Impinged - 387

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Threadfin Shad - 387	2-4 cm - 23	Class 1 - 0	~ 750 gms
	4-6 cm - 352	Class 2 - 387	
	6-8 cm - 12	Class 3 - 0	
		Class 4 - 0	

Screen 3-C-1

Total Fish Impinged - 571

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Threadfin Shad - 545	2-4 cm - 80	Class 1 - 0	~ 600 gms
Unidentified - 25	4-6 cm - 482	Class 2 - 546	
Bluegill - 1	6-8 cm - 9	Class 3 - 0	
		Class 4 - 25	

Screen 3-C-2

Total Fish Impinged - 441

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Threadfin Shad - 374	2-4 cm - 66	Class 1 - 0	~ 500 gms
Unidentified - 64	4-6 cm - 361	Class 2 - 375	
Yellow Perch - 3	6-8 cm - 14	Class 3 - 2	
		Class 4 - 64	

\*Degrees of Decomposition

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