

DUKE POWER COMPANY

POWER BUILDING

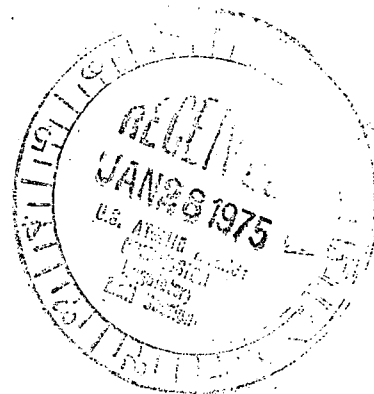
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

A. C. THIES
SENIOR VICE PRESIDENT
PRODUCTION AND TRANSMISSION

P. O. Box 2178

January 23, 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:

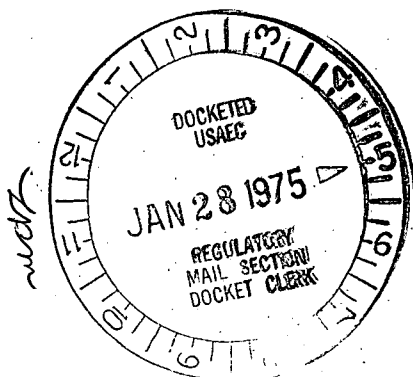
On January 16, 1975, six of the 24 condenser cooling water (CCW) intake screens at the Oconee Nuclear Station were inspected. A total of 5,086 small fingerling fish, weighing 10.5 kilograms, had collected on the screens. The fish, averaging 2.0 grams per fish, were removed from the screens and categorized, 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 10.5 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.



Regulatory

File Cy.

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Enclosure 1
 Oconee Nuclear Station
 Summary of Fish Impingement Data
 Per Intake Screen
 January 16, 1975

Screen 1A1

Total Fish Impinged - 267

<u>Species Composition</u>		<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Bluegill	- 11	2-4 cm - 90	Class 1 - 0	~ 580 gms
Yellow Perch	- 27	4-6 cm - 78	Class 2 - 266	
Threadfin Shad	- 229	6-8 cm - 98	Class 3 - 1	
		10-12cm - 1	Class 4 - 0	

Screen 1A2

Total Fish Impinged - 295

<u>Species Composition</u>		<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Bluegill	- 1	2-4 cm - 94	Class 1 - 1	~ 600 gms
Yellow Perch	- 8	4-6 cm - 139	Class 2 - 241	
Threadfin Shad	- 262	6-8 cm - 61	Class 3 - 29	
Unidentifiable	- 24	8-10cm - 0	Class 4 - 24	
		10-12cm - 1		

Screen 2A1

Total Fish Impinged - 4,261

<u>Species Composition</u>		<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Bluegill	- 24	2-4 cm - 1,223	Class 1 - 2	~ 8,700 gms
Yellow Perch	- 73	4-6 cm - 2,682	Class 2 - 1,819	
Threadfin Shad	- 3,600	6-8 cm - 348	Class 3 - 1,878	
Unidentifiable	- 562	8-10cm - 5	Class 4 - 562	
Crappie	- 2	10-12cm - 3		

Screen 2A2

Total Fish Impinged - 263

<u>Species Composition</u>		<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Bluegill	- 5	2-4 cm - 131	Class 1 - 0	~ 575 gms
Yellow Perch	- 12	4-6 cm - 109	Class 2 - 202	
Threadfin Shad	- 235	6-8 cm - 22	Class 3 - 50	
Unidentifiable	- 11	8-10cm - 1	Class 4 - 11	

Screen 3A1

Total Fish Impinged - 0

Screen 3A2

Total Fish Impinged - 0

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