

DUKE POWER COMPANY

POWER BUILDING

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

A. C. THIES
SENIOR VICE PRESIDENT
PRODUCTION AND TRANSMISSION

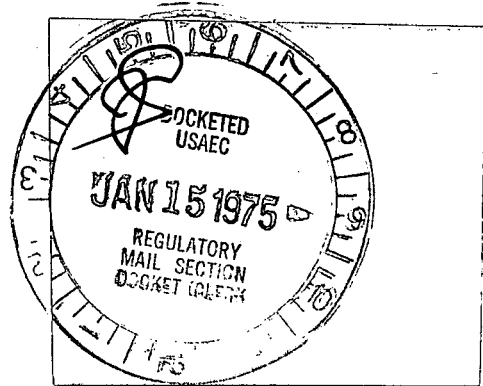
P. O. Box 2178

January 8, 1974

Regulatory

File Cy.

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:

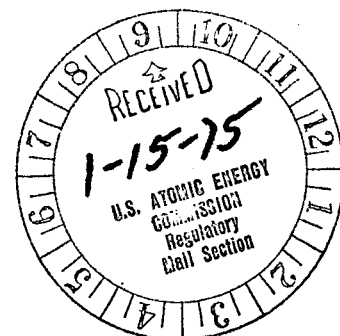
On January 2, 1975, six of the 24 condenser cooling water (CCW) intake screens at the Oconee Nuclear Station were inspected. A total of 2,168 small fingerling fish, weighing 3,200 grams, had collected on the screens. The fish, averaging 1.5 grams per fish, were removed from the screens and categorized, 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 3,200 grams 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
 Oconee Nuclear Station
 Summary of Fish Impingement Data
 Per Intake Screen
 January 2, 1975

Screen 1A1

No fish were impinged

Screen 1A2

No fish were impinged

Screen 2A1

Total Fish Impinged - 438

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Yellow Perch - 4	2-4 cm - 123	Class 1 - 0	~ 800 gms
Threadfin Shad - 250	4-6 cm - 251	Class 2 - 81	
Unidentifiable - 184	6-8 cm - 64	Class 3 - 173	
		Class 4 - 184	

Screen 2A2

Total Fish Impinged - 281

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Yellow Perch - 1	2-4 cm - 62	Class 1 - 0	~ 400 gms
Threadfin Shad - 228	4-6 cm - 178	Class 2 - 198	
Unidentifiable - 52	6-8 cm - 41	Class 3 - 31	
		Class 4 - 52	

Screen 3A1

Total Fish Impinged - 575

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Bluegill - 1	2-4 cm - 121	Class 1 - 0	~ 900 gms
Yellow Perch - 4	4-6 cm - 384	Class 2 - 241	
Threadfin Shad - 560	6-8 cm - 70	Class 3 - 324	
Unidentifiable - 10		Class 4 - 10	

Screen 3A2

Total Fish Impinged - 874

<u>Species Composition</u>	<u>Size Groups</u>	<u>Decomposition*</u>	<u>Weight</u>
Bluegill - 1	2-4 cm - 375	Class 1 - 0	~ 1100 gms
Yellow Perch - 3	4-6 cm - 441	Class 2 - 10	
Threadfin Shad - 786	6-8 cm - 58	Class 3 - 780	
Unidentifiable - 84		Class 4 - 84	

*Class 1 - No noticeable decomposition

Class 2 - Slightly decomposed

Class 3 - Badly decomposed, identifiable

Class 4 - Badly decomposed, unidentifiable