

AUGUST 2 1978

Dockets Nos.: 50-269

50-270 ✓

and 50-287

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Gray File

Duke Power Company

ATTN: Mr. William O. Parker, Jr.

Vice President - Steam

Production

P. O. Box 2178

422 South Church Street

Charlotte, North Carolina 28242

Gentlemen:

In order to complete our review of your submittal of December 2, 1977, in regard to the deletion of the non-radiological portions of the Appendix B Technical Specification of the Oconee Nuclear Station, we find that we need additional information.

It is requested that you provide the information identified in the enclosure to enable us to complete our review. Kindly submit three signed originals and 37 additional copies.

Sincerely,

Special Agent in Charge

R. W. Reid

Robert W. Reid, Chief

Operating Reactors Branch #4

Division of Operating Reactors

Enclosure:

Request for Additional
Information

cc w/enclosure: See next page

OFFICE ➤	ORB#4:DOR	C-ORB#4:DOR			
SURNAME ➤	MFairtile:rm	RReid			
DATE ➤	8/ /78	8/ /78			

Duke Power Company

cc: Mr. William L. Porter
Duke Power Company
P. O. Box 2178
422 South Church Street
Charlotte, North Carolina 28242

J. Michael McGarry, III, Esquire
DeBevoise & Liberman
700 Shoreham Building
806-15th Street, NW.,
Washington, D.C. 20005

Oconee Public Library
201 South Spring Street
Walhalla, South Carolina 29691

ADDITIONAL INFORMATION TO BE INCLUDED IN THE LICENSEE'S
ASSESSMENTS SUPPORTING THE TERMINATION OF
NON-RADIOLOGICAL SPECIAL STUDIES AND
ENVIRONMENTAL SURVEILLANCE PROGRAMS

OCONEE STATION

1. On an annual basis, compare the fish impingement and entrainment rate to the studies of fishing catch rates for all age classes and important species defined by the Final Environmental Statement (FES) to determine whether the plant is killing an amount of fish comparable to that killed by fishing. (e.g., see Reference 1)
2. Regarding fisheries studies, on page 117 of the FES, it is stated that: "It is clear that to determine ecological significance of condenser effluents, the observed effects must be related to the population density, dynamics, and regeneration times of the aquatic organisms present in the affected areas. Additional information is needed before expanded, detailed assessments of impacts on terrestrial and aquatic biota in and around Keowee Lake and Hartwell Reservoir can be made." The effects of both condenser effluents and intake effects should be compared to the population density determined in these studies.
3. In discussing population dynamics of young-of-the-year fish in a reservoir receiving heated effluent, page 492 of your submittal, you conclude that, "Because changes from the fish populations resulting from heated effluents from the Oconee Nuclear Station are still occurring in the Keowee Reservoir, the total impact of the plant's operation on young fish stocks cannot yet be assessed The decline appears to be due to heated water." Elaborate on this conclusion and describe whether or not it is premature to draw conclusions as to the impact of operation of the plant.

Reference:

1. Mathur, D., Heisey, P. G., Magnusson, N. C., Impingement of Fishes at Peach Bottom Atomic Power Station, Pennsylvania. Trans. Amer. Fisheries Soc. Vol. 106, No. 3, May 1977.