

FROM: Duke Power Co. Charlotte, N.C. A.C. Thies		DATE OF DOC 5-20-75	DATE REC'D 5-27-75	LTR xx	TWX	RPT	OTHER
TO: Mr. Angelo Giambusso		ORIG 2- signed	CC 38	OTHER	SENT AEC PDR _____ SENT LOCAL PDR _____		
CLASS	UNCLASS xxxx	PROP INFO	INPUT	NO CYS REC'D 40	DOCKET NO: <u>50-269</u> , 270, and 287		
DESCRIPTION: Ltr notarized 5-20-75 trans the following:				ENCLOSURES: Amdt 0L/ Change to Tech- Specs Appendix B concerning Fish Impingement on Intake Screens			
PLANT NAME: Oconee 1 -2-3							

FOR ACTION/INFORMATION 5-28-75 JGB

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CASE	PAWLICKI	✓ BALLARD	✓ P. KREUTZER (E)	
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✓ REG OPR	LAINAS	PROJECT LDR	G. WILLIAMS (E)	EISENHUT
FILE & REGION (2)	✓ BENAROYA	<u>Mack Au</u>	V. WILSON (L)	WIGGINTON
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|---|--|--|
- to Lic Asst Enviro

DUKE POWER COMPANY

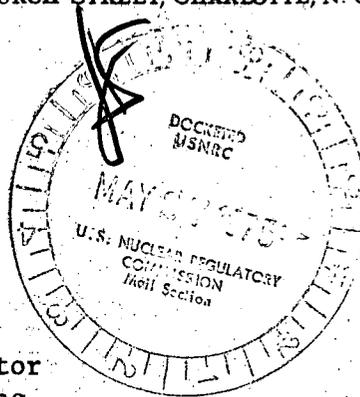
POWER BUILDING

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

A. C. THIES
SENIOR VICE PRESIDENT
PRODUCTION AND TRANSMISSION

P. O. Box 2178

May 20, 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:

Pursuant to 10 CFR 50.90, a change to Oconee Nuclear Station Technical Specifications, Appendix B, Section 1.4A, "Fish Impingement on Intake Screens," is hereby requested. The proposed change will provide a better method of inspection to quantify fish impingement on the Oconee Nuclear Station condenser circulating water (CCW) intake screens. In addition, it will delete those requirements which have not provided representative data in the past. A proposed replacement page for this Technical Specification change is attached.

The specific changes requested are detailed below with the appropriate justification.

1. It is requested that the requirement for visual inspection of the intake screens from the intake structure be deleted. The intake screens are approximately 20 feet below the lake surface and are therefore not visible from the intake structure. This method of observation is not representative of fish impingement and has only in rare instances identified any fish mortalities. Data supporting this request is presented in the semiannual reports for the Oconee Nuclear Station for the periods ending June 30, 1973, December 31, 1973, June 30, 1974 and December 31, 1974.
2. It is requested that the requirement for a detailed analysis of fish impinged on the intake screens each time a set of screens is pulled be deleted. The data which has been collected from a separate one year study (May 2, 1974 to May 11, 1975) at the Oconee Nuclear Station has quantized the important features of the expected levels of fish impingement. An analysis of fish impingement on the intake screens, pulled at random intervals for maintenance, has provided little information which can be used for comparative purposes.

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3. It is requested that the quarterly underwater visual inspection, by scuba, of the Oconee Nuclear Station intake screens be deleted. The underwater inspection is time consuming and expensive, and does not provide sufficient data to warrant its continuance. It is not possible to accurately determine species composition from the underwater inspection. The counting of impinged fish and size group determinations are also difficult.
4. It is proposed that a quarterly inspection of six intake screens (two from each unit) be conducted. This sample will be conducted with a one-week accumulation of impinged fish by cleaning said intake screens one week prior to the inspections, and a detailed analysis will be conducted to determine the species, size, number and weight of fish impinged. This will provide a regular sample, of fixed duration, to determine long-term trends in fish impingement.
5. It is requested that the reporting requirements concerning significant mortalities of fish, and in all cases, any mortalities that involve 100 or more fish, be deleted. It is reasonable to expect that greater than 100 threadfin shad will be found impinged on the intake screens during many times of the year. This phenomenon is described in a March 27, 1975 letter to Mr. H. J. Logan, South Carolina Wildlife and Marine Resources Department, of which you received a copy. Data concerning fish impingement from the regular quarterly inspections described in 4. above will be reported in the Semiannual Report; thus, the report currently required by Specification 1.4.A is superfluous.

It is the opinion of Duke Power Company that these proposed changes will result in more accurate determination of fish impingement at the Oconee Nuclear Station and will eliminate those items which do not provide the proper information to perform a scientific study of fish impingement.

Very truly yours,



A. C. Thies

ACT:vr
Attachment

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A. C. THIES, being duly sworn, states that he is Senior Vice President of Duke Power Company; that he is authorized on the part of said Company to sign and file with the Nuclear Regulatory Commission this request for amendment of the Oconee Nuclear Station Technical Specifications, Appendix B to Facility Operating Licenses DPR-38, DPR-47 and DPR-55; and that all statements and matters set forth therein are true and correct to the best of his knowledge.

A. C. Thies
A. C. Thies, Senior Vice President

ATTEST

John C. Goodman, Jr.
John C. Goodman, Jr.
Assistant Secretary

Subscribed and sworn to before me this 20th day of May, 1975.

Edna B. Farmer
Notary Public

My Commission Expires:

October 24, 1977

1.4 FISH IMPINGEMENT ON INTAKE SCREENS AND ENTRAINMENT OF FISH EGGS
AND LARVAE

Objective

To detect and quantify (1) fish impingement upon the intake screens and (2) entrainment of fish eggs and larvae in the cooling water system.

Specification

- A. Quarterly, an inspection of six intake screens (two from each unit) will be performed. The screens to be inspected will be cleaned one week prior to inspection so that the rate of fish impingement during the week can be determined. A detailed analysis of the fish impinged shall be conducted by species, size and number and weight. The data collected from these inspections will be recorded in tabular form.
- B. The entrainment of fish eggs and larvae in the cooling water system shall be monitored biweekly (every other week) during the major spawning period of April through July and an estimate made of the total number of fish eggs and larvae entrained and their survival.
- C. If the quantity or type of fish, or their eggs or larvae, is determined to be of significance or to have a significant detrimental impact on the propagation of fish of recreational importance, then plans for corrective action will be developed.

Basis

The specified study will determine the mortality of fish impinged upon the intake screens and the numbers of fish eggs and larvae entrained in the cooling water system resulting from the operation of Oconee Nuclear Station.