

DUKE POWER COMPANY
POWER BUILDING
422 SOUTH CHURCH STREET, CHARLOTTE, N. C. 28201

A. C. THIES
SENIOR VICE PRESIDENT
PRODUCTION AND TRANSMISSION

March 7, 1975

Mr. Edson G. Case, Acting Director
Office of Nuclear Reactor Regulation
Nuclear Regulatory Commission
Washington, D. C. 20555

Re: McGuire Nuclear Station
Units 1 and 2
Docket Nos. 50-369, 50-370

Dear Mr. Case:

Duke Power Company is filing herewith Amendment No. 19 to its Application for Licenses for the McGuire Nuclear Station, which is under construction pursuant to Construction Permits CPPR-83 and -84. This filing includes three signed original copies of the amendment with attachment entitled, Revision 2 to the Environmental Report-Operating License Stage for McGuire Nuclear Station. The filing also includes 25 additional conformed copies of the amendment with the attachment and an additional 172 copies of Revision 2 to the Environmental Report-Operating License Stage. In support of material submitted in Revision 2, six copies of the following documents are included in the filing:

1. Zooplankton Standing Crops for Lake Norman, 1974
2. Fish Impingement, Marshall Steam Station, April 30, 1974 - February 7, 1975
3. Abundance and Biovolume of Phytoplankton Populations in Lake Norman for March, May, August, and November, 1974
4. Type 1 Water Chemistry Data, August, 1973 through October 1, 1974, Stations 1.0 through 18.0
5. Types 2, 3, and 4 Water Chemistry Data, August, 1973 through October, 1974, Stations 1.0 through 18.0

Revision 2 and the associated documents are submitted in response to the requests for additional information attached to Mr. W. H. Regan, Jr's letters of February 7, 1975 and February 19, 1975. Six copies of the following reports, as requested in Mr. Regan's letter of February 10, 1975 are also included in this filing:

1. The Lower Catawba Lakes Characterization of Phyto and Zooplankton Communities and Their Relationships to Environmental Factors, by C. M. Weiss

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2. Lake Norman Map, 1972
3. Condenser Cooling Water Intake Structure - Model Study, McGuire Nuclear Station, Duke Power Company, Alden Research Laboratories, December, 1972
4. Progress Report Number 1, Lake Norman Hydrothermal Model Study for Duke Power Company, Alden Research Laboratories, February, 1973
5. Simulation of the Effect of the Lake Norman Generating Complex Upon the Reservoir Thermal Structure, Supplement to Report No. 161, by P. J. Ryan and D. R. F. Harleman
6. The Effects of Predator Pressure on Species Composition and Vertical Distribution of Daphnia in Piedmont Lakes of North Carolina, USA, by R. H. Stavn
7. Seasonal Changes in Diaptomid Copepod Populations as a Function of Vertebrate Predation, by R. A. Beavers and R. H. Stavn
8. Reproduction of the White Bass, Morone Chrysops, by C. D. Riggs

The report entitled "Nutrient Assays Conducted on the Catawba River" and the paper concerned with the Upper Catawba Lakes Field Assessment by C. M. Weiss will be provided when available. Report No. 112, by Hubber and Harleman, may be obtained upon request to the Microreproduction Laboratory, Massachusetts Institute of Technology, Room 14-0551, Cambridge, Massachusetts.

As required by Section 2.101 of the Commission's regulations, a copy of this Amendment 19 is being served on Mr. Glenn C. Blaisdell, County Manager of Mecklenburg County, North Carolina, the county in which the facility is located.

Respectfully submitted,

s/A. C. Thies
A. C. Thies

ACT:vr

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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 Atomic Energy Commission this Amendment 19 to its application and documents appended thereto; and that all statements and matters set forth therein are true and correct to the best of his knowledge.

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

ATTEST:

s/John C. Goodman, Jr.
John C. Goodman, Jr.
Assistant Secretary
(Seal)

Subscribed and sworn to before me this 7th day of March, 1975.

s/Edna B. Farmer
Edna B. Farmer
Notary Public
(Notarial Seal)

My Commission Expires:

October 24, 1977

MCGUIRE NUCLEAR STATION
ENVIRONMENTAL REPORT
OPERATING LICENSE STAGE

Revision No. 2
March 7, 1975

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