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FROM: State of South Carolina Water Resources Commission Columbia, South Carolina 29201 Donald H. Higgins	DATE OF DOC: 6-8-73	DATE REC'D 6-12-73	LTR x	MEMO	RPT	OTHER
TO: Daniel R. Muller	ORIG 1	CC	OTHER	SENT AEC PDR x SENT LOCAL PDR x		
CLASS: <u>U</u> PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: <u>50-261</u> 50-413 50-414			

DESCRIPTION:

Ltr trans the following:

ENCLOSURES:

Ltr dtd 6-6-73 fm S. C. Pollution Control Authority furnishing comments on the Catawba Unit 1 & 2 Enviro Rpt
Ltr dtd 6-7-73 fm S. C. Pollution Control Authority furnishing comments on the Draft Enviro Statement & the Enviro Rpt for H. B. Robinson...

PLANT NAMES: H. B. Robinson
Catawba Units 1 & 2

(1 cy ea encl rec'd)

FOR ACTION/INFORMATION

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State of South Carolina
Water Resources Commission



Clair P. Guess, Jr.
Executive Director

June 8, 1973

Mr. Daniel R. Muller
Assistant Director for
Environmental Projects
Directorate of Licensing
U. S. Atomic Energy Commission
Washington, D. C. 20545

50-261
50-413
50-414

Dear Mr. Muller:

Enclosed you will find comments from the South Carolina Pollution Control Authority in reference to the H. B. Robinson Nuclear Steam-Electric Plant Unit 2 of Carolina Power and Light Company and the Catawba Nuclear Station Units 1 and 2 of Duke Power Company. These comments were received late by this office, but we feel they are pertinent and need to be incorporated into the State's review.

Thank you for your consideration of this matter.

Sincerely yours,

Donald H. Higgins
Civil Engineer

DHH: fw
Enclosures

3784

South Carolina Pollution Control Authority



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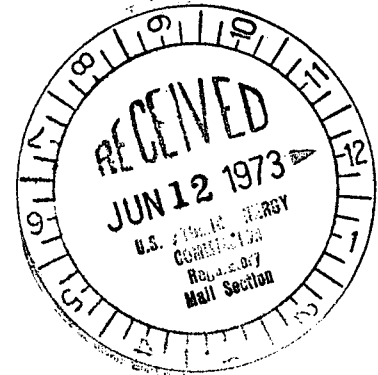
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AREA CODE 803
TELEPHONE: 758-2915

June 6, 1973

Mr. Clair P. Guess, Jr.
Executive Director
South Carolina Water Resources Commission
2414 Bull Street
Columbia, South Carolina 29201



RE: Environmental Reports
Duke Power Company
Catawba Nuclear Station
Units 1 and 2

Dear Mr. Guess:

The South Carolina Pollution Control Authority has evaluated several projects employing man-made cooling lakes as the method of disposing of thermal energy emitted from power stations. In general, we have determined such methods of heat disposal to be acceptable, and in many cases, advisable relative to other cooling alternatives available.

A review of the environmental report for the Catawba Nuclear Station would indicate the possibility of infrequent Water Quality Standards violations (relative to temperature standards) under certain extreme adverse stream flow and atmospheric conditions. The full impact of these projected violations relative to the chronic or acute effect on certain raw water supplies and maintenance of other standards parameters were not assessed in the existing documents.

Since the submission of the Environmental Report by Duke Power Company and the Draft Environmental Impact Statement by the Atomic Energy Commission, Duke Power Company has indicated to this agency that they have re-evaluated their position and that they now intend to install a closed cycle cooling water system for this project. Although this alternative was discussed briefly in the Environmental Report, little technical information was included to assess the maintenance of appropriate temperature standards.

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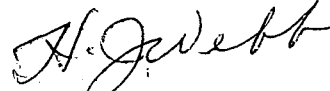
Letter to Mr. Guess
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In view of this recent decision, comments relative to the impact of the thermal discharge, utilizing Lake Wylie as a cooling pond, as described in existing documents would now appear to be irrelevant. Consequently, this office will refrain from submitting formal technical comments on the project until receipt of appropriate addenda describing the closed cycle system and its subsequent impact on stream flows and standards, as well as atmospheric conditions.

If there is any additional information this office can provide relative to the referenced project, please advise.

Sincerely yours,

A handwritten signature in cursive script, appearing to read "H. J. Webb".

H. J. Webb
Executive Director

South Carolina Pollution Control Authority



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AREA CODE 803
TELEPHONE: 758-2915

June 7, 1973

Mr. Clair P. Guess, Jr.
Executive Director
South Carolina Water Resources Commission
2414 Bull Street
Columbia, South Carolina 29201



RE: Environmental Report
Draft Environmental Statement
H. B. Robinson Nuclear Stream
Electric Plant - Unit 2

Dear Mr. Guess:

The South Carolina Pollution Control Authority has reviewed the above referenced reports and has the following comments:

1. The intent of the Pollution Control Authority in its Permit to Construct #179, dated 5/12/58, and subsequent Permits to Discharge Numbers 217 and 307, dated 5/13/61 and 3/10/59 respectively, was that the Robinson Impoundment be designated as an Impoundment for industrial cooling purposes as defined in Section I of the Water Classification Standards System for the State of South Carolina:

"Impoundment shall mean a man-made lake, pond or facility designed for the purpose of treating, stabilizing, neutralizing, or otherwise rendering innocuous sewage, industrial waste, or other wastes as defined in Section I of the Pollution Control Act of 1970."

2. Compliance with temperature standards is governed by Section III - 10.f of the Water Classification Standards System for the State of South Carolina.

Letter to Mr. Clair P. Guess, Jr.

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3. The Environmental Report for this project indicates that approximately 60% of the temperature rise through the Impoundment is caused by natural conditions. Carolina Power and Light has been requested to provide additional information to further substantiate this phenomenon.

4. The Draft Environmental Impact Statement predicts a rise of 6°F. in the discharge from Robinson Impoundment. Carolina Power and Light has been requested to outline proposals to ensure that the discharge from Robinson will not violate the 5°F. rise after appropriate mixing.

5. Carolina Power and Light has been requested to outline monitoring procedures it intends to implement to show that there will be no violation of applicable standards for the discharge from Robinson.

If there is any additional information that this agency can provide relative to this project, please advise.

Very truly yours,



H. J. Webb
Executive Director

HJW/CRJ/kg

Regulations

File Cy.

