



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SEP 11 1980

Tera

Docket Nos.: 50-369
and 50-370

Duke Power Company
ATTN: Mr. William O. Parker, Jr.
Vice President - Steam Production
Post Office Box 33189
422 South Church Street
Charlotte, North Carolina 28242

Dear Mr. Parker:

SUBJECT: Request For Additional Information - Reactor Systems
(McGuire Nuclear Station Units 1 and 2)

As a result of our review of the information contained in your November 14, 1979 letter regarding Branch Technical Position RSB 5-1, we find that we require some additional information which is described in the Enclosure.

In order for us to promptly conclude our evaluation of this matter, we require that this information be provided no later than September 22, 1980. We have previously provided this information to your staff.

Sincerely,

A handwritten signature in cursive script, appearing to read "R. Tedesco".

Robert L. Tedesco, Assistant Director
for Licensing
Division of Licensing

cc: See next page

8009290001

A

Mr. William O. Parker, Jr.
Vice President, Steam Production
Duke Power Company
P. O. Box 2178
422 South Church Street
Charlotte, North Carolina 28242

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

Mr. R. S. Howard
Power Systems Division
Westinghouse Electric Corporation
P. O. Box 355
Pittsburgh, Pennsylvania 15230

Mr. E. J. Keith
EDS Nuclear Incorporated
220 Montgomery Street
San Francisco, California 94104

Mr. J. E. Houghtaling
NUS Corporation
2536 Countryside Boulevard
Clearwater, Florida 33515

Mr. Jesse L. Riley, President
The Carolina Environmental Study Group
854 Henley Place
Charlotte, North Carolina 28207

J. Michael McGarry, III, Esq.
Debevoise & Liberman
1200 Seventeenth Street, N. W.
Washington, D. C. 20036

Robert M. Lazo, Esq., Chairman
Atomic Safety and Licensing Board
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dr. Emmeth A. Luebke
Atomic Safety and Licensing Board
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

Dr. Cadet H. Hand, Jr., Director
Bodega Marine Lab of California
P. O. Box 247
Bodega Bay, California 94923

David Flesichaker, Esq.
1735 Eye Street, N. W.
Suite 709
Washington, D. C. 20006

Richard P. Wilson, Esq.
Assistant Attorney General
State of South Carolina
2600 Bull Street
Columbia, South Carolina 29201

Mr. William O. Parker, Jr.

- 3 -

cc: David Fleschaker, Esq.
1735 Eye Street, N. W.,
Suite 709
Washington, D. C. 20006

Richard P. Wilson, Esq.
Assistant Attorney General
State of South Carolina
2600 Bull Street
Columbia, South Carolina 29201

Office of Intergovernmental Relations
116 West Jones Street
Raleigh, North Carolina 27603

County Manager of Mecklenburg County
720 East Fourth Street
Charlotte, North Carolina 28202

U. S. Environmental Protection Agency
ATTN: EIS Coordinator
Region IV Office
345 Courtland Street, N. W.
Atlanta, Georgia 30308

ENCLOSURE

- 212.121 Provide a commitment to perform an in-plant test to demonstrate the adequacy of local manual action to operate steam generator power operated relief valves to satisfy cooldown requirements of BTP-RSB5-1 in the event that the non-safety grade remote operators or power supplies failed.
- 212.122 The response to RSB 5-1 indicates that RHR conditions may be achieved "in a reasonable amount of time." Specifically, what is the amount of time required to achieve RHR conditions assuming a worst single failure (including irreparable mechanical failures).
- 212.123 The response to RSB 5-1 has indicated that McGuire would reference natural circulation tests at other Westinghouse plants to satisfy the RSB 5-1. Identify which tests will be referenced. Justify, by plant comparative analyses, that tests at the referenced plant(s) are applicable to McGuire. Provide a commitment to perform the tests at McGuire during the first refueling outage in the event that the referenced tests either do not successfully justify natural circulation boration and cooling for McGuire or are not available at that time.
- 212.124 The response to RSB 5-1 states that specific procedures for cooling down using natural circulation will be prepared prior to startup of the McGuire Plant. Commit to providing these procedures when they are prepared.

- 212.125 Identify all valves needed to achieve or maintain cold shutdown which require an air supply. Discuss air supply failures in these valves. Identify operator actions which would be taken to overcome the failure and estimate the times required to perform the actions. Discuss any time, environmental, or locational restraints imposed by reactor condition or layout which might dictate additional time requirements.
- 212.126 When discussing removal of residual heat from 350⁰F to 200⁰F the response to RSB 5-1 identifies that RHR Suction Isolation Valves ND1A and ND2B are aligned in series and that the spurious closure of either valve would prevent RHR operation. Discuss alternative means of coooldown which could be employed at McGuire in the event of a mechanical failure (closed) of either valve. Address the potential for repair and/or replacement of a valve.