

APR 16 1982

Docket Nos: 50-369/370

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



Dear Mr. Parker:

Subject: Summary Report on Hydrogen Control Measures

On March 30, 1982, we informed the Commission (Enclosure 1) that an additional four months delay in the Ice Condenser Owners Group hydrogen control R&D program has occurred which will have the effect of delaying the completion of NRC evaluations on the adequacy of the hydrogen control systems by a corresponding amount of time. Our previous Commission status report gave April 1982 as an anticipated completion date. We also stated in our latest report that we expect each licensee to assess the data from their point of view on adequacy of their hydrogen control systems.

With regard to this assessment, we ask that you provide us within sixty days from the completion of R&D efforts a report whose purpose is to substantiate your position on the adequacy of the hydrogen control system in compliance with the license condition. We have in mind an Executive Summary Report of a few pages and possibly some attachments that are suitable for Commission and Senior Management reviews for our respective organizations. It should reference and draw from the many technical reports that you have produced on the efficacy of the ignitor systems and from other available sources. The report should cover but not necessarily be limited to the following:

- Description of the issues and concerns that have been raised by consultants and other responsible organizations and your assessment of their merits.
- Final criteria and design basis utilized for your permanent system and how each pertinent issue was factored into your design considerations.
- Applicability of the test data and analysis by the licensees and others for substantiating the adequacy of the ignition systems.

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PDR ADOCK 05000369
P PDR

Mr. H. G. Parris

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- d. Recommendation for any continued R&D efforts on hydrogen control measures that should be carried out on a generic basis.

We welcome your comments and suggestions on the content of the report.

Sincerely,

Original signed by
Robert L. Tedesco

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

Enclosure:
As stated

cc: See next page

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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. A. Carr
Duke Power Company
P.O. Box 2178
422 South Church Street
Charlotte, North Carolina 28242

James P. O'Reilly, Regional Administrator
U.S. Nuclear Regulatory Commission,
Region II
101 Marietta Street, Suite 3100
Atlanta, Georgia 30303

Mr. F. J. Twogood
Power Systems Division
Westinghouse Electric Corp.
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

Shelley Blum, Esq.
1716 Scales Street
Raleigh, North Carolina 27608

Mr. Paul Bemis
Senior Resident Inspector
c/o U.S. Nuclear Regulatory Commission
P.O. Box 216
Cornelius, North Carolina 28013