

MAR 16 1981

Docket No. 50-350

Mr. Earl A. Borgmann
 Vice President - Engineering
 Cincinnati Gas & Electric Company
 Post Office Box 960
 Cincinnati, Ohio 45201



Dear Mr. Borgmann:

SUBJECT: REQUEST FOR ADDITIONAL INFORMATION - W. H. ZIMMER, UNIT 1
 (HYDROGEN CONTROL)

The accident at Three Mile Island, Unit 2 involved a large amount of metal-water reaction in the core with resulting hydrogen generation well in excess of the amounts considered in 10 CFR 50.44 of the Commission's regulations. During the past year the staff has been studying the potential of excess hydrogen generation, the effects such concentrations of hydrogen would have on the various types of plants, and the effectiveness of various mitigation system in protecting the plant against such situations. The results of our studies to date are presented in the SECY 80-107 series of documents. In these reports, we recommend that all BWR Mark I and II Containment plants be inerted and the owners of all other plants be required to provide a proposed design (or designs) to mitigate the consequences of large amounts of hydrogen in containment. The associated proposed interim rule was published in The Federal Register on October 2, 1980.

Subsequent to the issuance of SECY 80-107, a substantial amount of additional work has been performed on this issue with emphasis on ice condensers. With respect to ice condensers, and specifically Sequoyah, the Commission has decided that the matter of hydrogen control for degraded core accidents in plants with small containments needs to be resolved in the near term, i.e., the resolution should not be deferred to rulemaking.

In a telecon on February 10, 1981, we informed you of the staff position and understood that a commitment to inert the Zimmer containment would be filed.

8103230155.

A

OFFICE						
SURNAME						
DATE						

Earl A. Borgmann

- 2 -

Since we have not yet received such a filing and since the schedule for concluding our review is very tight, we request that you give this matter your attention.

Sincerely,

Original signed by

~~Robert L. Tedesco~~

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

cc: See next page

DISTRIBUTION:

Docket File
NRC PDR
Local PDR
LB#2 File
DEisenhut
RPurple
RTedesco
ASchwencer
IPeltier
MService
IE (3)

BCC: NSIC
TERA
TIC
ACRS (16)

OFFICE	DL:LB#2	DL:LB#2	DL:ADL				
SURNAME	IPeltier:ph	ASchwencer	RTedesco				
DATE	3/12/81	3/12/81	3/13/81				

Mr. Earl A. Borgmann
Vice President - Engineering
Cincinnati Gas & Electric Company
P. O. Box 960
Cincinnati, Ohio 45201

cc: Troy B. Conner, Jr., Esq.
Conner, Moore & Corber
1747 Pennsylvania Avenue, N.W.
Washington, D.C. 20006

Mr. William J. Moran
General Counsel
Cincinnati Gas & Electric Company
P. O. Box 960
Cincinnati, Ohio 45201

Mr. William G. Porter, Jr.
Porter, Stanley, Arthur
and Platt
37 West Broad Street
Columbus, Ohio 43215

Mr. James D. Flynn, Manager
Licensing Environmental Affairs
Cincinnati Gas & Electric Company
P. O. Box 960
Cincinnati, Ohio 45201

David Martin, Esq.
Office of the Attorney General
209 St. Clair Street
First Floor
Frankfort, Kentucky 40601

Dr. Frank F. Hooper
School of Natural Resources
University of Michigan
Ann Arbor, Michigan 48109

Charles Bechhoefer, Esq., Chairman
Atomic Safety & Licensing Board Panel
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Mr. Glenn O. Bright
Atomic Safety & Licensing Board Panel
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

Leah S. Kolik, Esq.
3454 Cornell Place
Cincinnati, Ohio 45220

W. Peter Heile, Esq.
Assistant City Solicitor
Room 214, City Hall
Cincinnati, Ohio 45220

John D. Woliver, Esq.
Clermont County Community Council
Box 181
Batavia, Ohio 45103

Mrs. Mary Reder
Box 270, Rt. 2
California, Kentucky 41007

Andrew B. Dennison, Esq.
200 Main Street
Batavia, Ohio 45103

Robert A. Jones, Esq.
Prosecuting Attorney of Clermont
County, Ohio
154 Main Street
Batavia, Ohio 45103

Resident Inspector/Zimmer
RFD 1, P. O. Box 2021
U. S. Route 52
Moscow, Ohio 45153

Mr. John Youkilis
Office of The Honorable William Gradison
United States House of Representatives
Washington, D. C. 20515