

Docket

OCT 9 1973

Docket No. 50-329
and 50-330

Consumers Power Company
ATTN: Mr. S. H. Howell
Vice President
212 West Michigan Avenue
Jackson, Michigan 49201

THIS DOCUMENT CONTAINS
POOR QUALITY PAGES

Gentlemen:

The Regulatory staff has had the subject of anticipated transients without scram (ATWS) in water-cooled reactor power plants under study for some time. This matter was cited in the Advisory Committee on Reactor Safeguards (ACRS) report and/or in the staff safety evaluation report on your application for a construction permit.

The staff has completed its review of ATWS and has concluded that measures should be taken to improve nuclear plant designs in this regard. Details of the staff review and conclusions and of the steps that should be taken to deal with ATWS are given in the staff "Technical Report on Anticipated Transients Without Scram for Water-Cooled Power Reactors," September 1973, a copy of which is enclosed for your information. The improvement measures acceptable to the staff are outlined in the staff position on ATWS, Appendix A, of the enclosed report in descending order of preference; that is, the "A" sections of the staff position describe the ultimate objective. For those facilities for which the imposition of the requirements of the "A" sections is not practical, the staff will accept the alternate approaches of the "B" or "C" sections subject to the limitations specified in the staff position. The rationale and bases for this approach are given in the enclosed report.

Acceptable measures that should be taken for the subject facility(s) are either those in the "A" or the "B" sections of the staff position. If there is reasonable assurance that the provisions of the "A" sections can be met satisfactorily on a schedule consistent with that of the subject facility(s), you need not analyze the consequences of ATWS. You must, however, provide sufficient analyses and discussion to justify

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your position and a commitment that you will meet the provisions of the "A" sections or revert to the provisions of the "B" sections if required by the staff. You should advise the staff by no later than January 1, 1974, of the approach you intend to take and submit a detailed report addressing fully, either the "A" or "B" sections of the staff position by October 1, 1974, as an amendment to the Safety Analysis Report or with your application for an operating license, whichever is later.

The staff is prepared to discuss this matter with you at a mutually agreeable time.

Sincerely,

Original Signed

A. Giambusso, Deputy Director
for Reactor Projects
Directorate of Licensing

Enclosure:
Technical Report on ATWS
for Water-Cooled Power
Reactors, September 1973

cc: Harold F. Reis, Esquire
Newman, Reis, Axelrad
1100 Connecticut Avenue, NW
Suite 340
Washington, D. C. 20036

David Comey, Esquire
109 North Dearborn Street
Suite 1001
Chicago, Illinois 60602

Mrs. Mary Sinclair
5711 Sumner Street
Midland, Michigan 48640

Honorable Vern Miller
Attorney General
Topeka, Kansas 66601

Honorable William H. Ward
Assistant Attorney General
Topeka, Kansas 66601

Howard J. Vogel, Esquire
Knittle and Vogel
814 Flour Exchange Building
310 Fourth Avenue South
Minneapolis, Minnesota 55415

cc: Continued on next page

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Irving Like, Esquire
Reilly, Like and Schneider
200 West Main Street
Babylon, New York 11702

Milton R. Wessel, Esquire
Kay, Scholar, Fierman, Hays
and Handler
425 Park Avenue
New York, New York 10022

Harold P. Graves, Esquire
Vice President and General Counsel
Consumers Power Company
212 West Michigan Avenue
Jackson, Michigan 49201

Myron Cherry, Esquire
Jenner and Block
1 IEM Plaza
Chicago, Illinois 60603

James A. Kendall, Esquire
135 N. Saginaw Road
Midland, Michigan 48640

James N. O'Conner
The Dow Chemical Company
2030 Dow Center
Midland, Michigan 48640

Dr. Clark Goodman
Professor of Physics
University of Houston
3801 Cullen Boulevard
Houston, Texas 77004

Richard G. Smith, Esquire
Smith and Brooker, PC
703 Washington Avenue
Bay City, Michigan 48706

William J. Gireter, Esquire
Suite 4
Merrill Building
Saginaw, Michigan 48602

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