

16

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

NOV. 25 1975

Mr. Kenneth E. Suhrke
Manager, Licensing
Babcock & Wilcox Company
Nuclear Power Generation
P. O. Box 1260
Lynchburg, Virginia 24505

Dear Mr. Suhrke:

We recently completed our review of both the proprietary and non-proprietary versions of B&W topical report BAW-10097, Revision 2, "Mark C (17 x 17) Fuel Assembly - Research and Development - Revision 2". A copy of our evaluation is enclosed.

We find this report to be acceptable for reference in license applications for B&W Mark C fuel assembly plants, provided that B&W submits semi-annual status reports, beginning January, 1976, on the Mark C research and development programs. B&W is advised, however, that a thorough safety review of the Mark C design and the issuance of an operating license for a Mark C plant will require information in at least two areas not mentioned in BAW-10097. We require that B&W submit Mark C information on reflood heat transfer and on the effects of rod bow on DNB in B&W bundles. Since we will be unable to issue an operating license for a Mark C plant until our review of the Mark C design is complete, we advise B&W to submit this information on a schedule which allows us to complete a thorough safety review of the Mark C design in a timely manner.

From our review of the non-proprietary version of BAW-10097, Rev. 2, we conclude that it is an acceptable such version of the proprietary report. Note, when BAW-10097 is referenced in an application, both the proprietary and non-proprietary versions of this report must be referenced.

We do not intend to repeat our review of BAW-10097 in the future except to the extent that is necessary to evaluate supplemental or additional information on the Mark C research and development programs. Should Regulatory criteria or regulations change, such that our conclusions concerning BAW-10097 are invalidated, you will be notified and given the opportunity to revise and resubmit your topical report for review, should you so desire.

8201060025 810403
PDR FOIA
MADDEN80-515 PDR

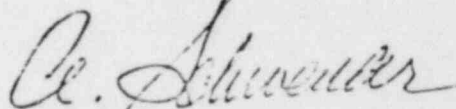
Mr. Kenneth E. Suhrke

- 2 -

In accordance with established procedures, we request that B&W issue a revised version of BAW-10097, Rev. 2 within three months of receipt of this letter to include the NRC acceptance letter.

If you have any questions concerning our evaluation of BAW-10097, Rev. 2, please contact us.

Sincerely,



A. Schwencer, Chief
Light Water Reactors Branch 2-3
Division of Reactor Licensing

Enclosures:
As stated

cc w/encl:
R. Boysum, B&W

Washington Public Power Supply System
ATTN: Mr. J. J. Stein
Managing Director
P. O. Box 968
3000 George Washington Way
Richland, Washington 99352

Portland General Electric Company
ATTN: Mr. Joseph L. Williams
Vice President
Engineering-Construction
621 Southwest Alder Street
Portland, Oregon 97205

Toledo Edison Company
ATTN: Mr. Lowell E. Roe
Vice President, Facilities
Development
Edison Plaza
300 Madison Avenue
Toledo, Ohio 43604

Mr. Kenneth E. Sulrke

- 3 -

NOV. 25 1975

cc w/encl:
Power Authority of the State of New York
ATTN: Mr. George T. Berry
General Manager & Chief Engineer
10 Columbus Circle
New York, New York 10019

Virginia Electric & Power Company
ATTN: Mr. Stanley Ragone
Senior Vice President
P. O. Box 26666
Richmond, Virginia 23261

Detroit Edison Company
ATTN: Mr. Arthur B. Harris
Project Manager
2000 Second Avenue
Detroit, Michigan 48226

Tennessee Valley Authority
ATTN: Mr. James E. Watson
Manager of Power
618 Power Building
Chattanooga, Tennessee 37401