

EXXON NUCLEAR COMPANY, Inc.

2101 Horn Rapids Road
P. O. Box 130, Richland, Washington 99352
Phone: (509) 375-8100 Telex: 15-2878

November 5, 1980

GFO:149:80

Mr. James R. Miller, Chief
Standardization & Special Projects Branch
Division of Licensing
U. S. Nuclear Regulatory Commission
Washington, D. C. 20555

SUBJECT: XN-NF-79-71(P), Supplement 1, "Exxon Nuclear Company's Plant
Transient Simulator Code for the Evaluation of Abnormal
Transients for Jet-Pump Boiling Water Reactors," October 1980

- References:
- 1) XN-NF-79-71(P), Revision 1, "Exxon Nuclear Company's Plant
Transient Simulator Code for the Evaluation of Abnormal
Transients for Jet-Pump Boiling Water Reactors," May 1980
 - 2) XN-NF-80-19(P), Volume 1, "Exxon Nuclear Company's Plant
Transient Simulator Code for the Evaluation of Abnormal
Transients for Jet-Pump Boiling Water Reactors," May 1980

Dear Mr. Miller:

Enclosed are forty (40) copies of the subject Exxon Nuclear topical report for your review and approval. This report supplements the Reference 1 report transmitted to you in May 1980. The subject report describes the integration of the PTSBWR3 plant transient simulation model, described in Reference 1, with ENC's detailed model for core kinetics and thermal hydraulics, COTRAN, described in Reference 2. This integrated model is called COTRANSA. The COTRANSA model will be used by Exxon Nuclear in conjunction with the less complicated PTSBWR3 model in performing plant transient analyses for jet pump BWRs.

Exxon Nuclear Company considers the information contained in this document to be proprietary. In accordance with the Commission's Regulation 10 CFR 2.790(b), the enclosed Affidavit executed by our Mr. James N. Morgan provides the necessary information to support the withholding of this report from public disclosure.

Twenty (20) copies of the non-proprietary version of this document will be transmitted in the near future. Please contact me if you have any questions or comments.

Sincerely,

G. F. Owsley
G. F. Owsley, Manager
Reload Fuel Licensing

GFO:gf
Enclosures
As noted

CC: Mr. T. P. Speis (USNRC)
Mr. W. V. Johnston (USNRC)

8011 100 417

AN AFFILIATE OF EXXON CORPORATION

B

RECEIVED
NOV 10 1980
U.S. NUCLEAR REGULATORY COMMISSION

6. The Document contains information which is vital to a competitive advantage of ENC and would be helpful to competitors of ENC when competing with ENC.

7. The information contained in the Document is considered to be proprietary by ENC because it reveals certain distinguishing aspects of safety analyses methods which secure competitive economic advantage to ENC for safety analysis optimization and improved marketability, and includes information utilized by ENC in its business which affords ENC an opportunity to obtain a competitive advantage over its competitors who do not or may not know or use the information contained in the Document.

8. The disclosure of the proprietary information contained in the Document to a competitor would permit the competitor to reduce its expenditure of money and manpower and to improve its competitive position by giving it extremely valuable insights into ENC's safety evaluation methods and would result in substantial harm to the competitive position of ENC.

9. The Document contains proprietary information which is held in confidence by ENC and is not available in public sources.

10. In accordance with ENC's policies governing the protection and control of information, proprietary information contained in the Document has been made available, on a limited basis, to others outside ENC only as required and under suitable agreement providing for non-disclosure and limited use of the information.

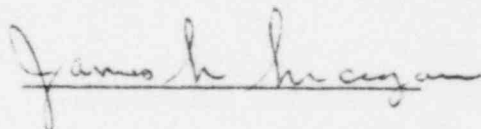
11. ENC policy requires that proprietary information be kept in a secured file or area and distributed on a need-to-know basis. Checks are made routinely to assure the policy procedures are being met.

12. This Document provides information which reveals safety analysis methods developed by ENC over the past several years. ENC has invested hundreds of thousands of dollars and several man-years of effort in developing the safety analysis methods revealed in the Document. Assuming a competitor had available the same background data and incentives as ENC, the competitor might, at a minimum, develop the information for the same expenditure of manpower and money as ENC.

13. Based on my experience in the industry, I do not believe that the background data and incentives of ENC's competitors are sufficiently similar to the corresponding background data and incentives of ENC to reasonably expect such competitors would be in a position to duplicate ENC's proprietary information contained in the Document.

THAT the statements made hereinabove are, to the best of my knowledge, information, and belief, truthful and complete.

FURTHER AFFIANT SAYETH NOT.



SWORN TO AND SUBSCRIBED

before me this 6 day of

Nov, 1980.

Susan L. Bachus
NOTARY PUBLIC