

EXXON NUCLEAR COMPANY, INC.

EXXON NUCLEAR COMPANY, INC.
130 HIGHLAND AVE. 99352
SEASIDE, CALIF. 94063

April 3, 1985
JCC:064:85

Donald C. Cook Nuclear Plant Unit No. 2
Docket No. 50-316
License No. DPR-74
TRANSMITTAL OF ADDITIONAL INFORMATION
REGARDING LOCA-ECCS ANALYSIS
IN SUPPORT OF CYCLE 5 OPERATION

SEE SUBJECT FILES FOR ENCLOSURE

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

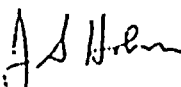
Dear Mr. Denton:

Enclosed are five copies of Exxon Nuclear Company technical report XN-NF-85-20(P), entitled "Modification of the EXEM/PWR FLECHT Based Reflood Quench and Heat Transfer Correlations for U.C. Cook Unit 2," which supports operation of the D.C. Cook Unit 2 nuclear plant. At the request of American Electric Power Service Company (AEPSC), this report is being transmitted directly by Exxon Nuclear.

Exxon Nuclear Company considers information contained in the enclosed technical report to be proprietary. In accordance with the Commission's Regulation 10 CFR 2.790(b), the enclosed Affidavit executed by our Mr. Richard E. Collingham provides the necessary information to support the withholding of the enclosed technical report from public disclosure. A non-proprietary version will be provided separately.

If you have any questions regarding this transmittal, please contact Mr. James G. Feinstein of AEPSC at (614) 233-2040.

Sincerely,


J.C. Chandler
Reload Licensing

naa

cc: Mr. David Moran (NRC)
Mr. D.L. Wigginton (NRC) (w/attach)
Mr. M.P. Alexich (AEPSC)

8504050214 850403
PDR ADOCK 05000316
P PDR

KA01
1/5
104 Advanced
To: S. Varga

A F F I D A V I T

STATE OF WASHINGTON)
COUNTY OF BENTON) ss.

I, Richard E. Collingham, being duly sworn, hereby say and
depose:

1. I am Manager, BWR Safety Analysis for Exxon Nuclear Company, Inc. ("ENC"), and as such I am authorized to execute this Affidavit.

2. I am familiar with ENC's detailed document control system and policies which govern the protection and control of information.

3. I am familiar with the document XN-NF-85-20(P), entitled "Modification of the EXEM/PWR FLECHT Based Reflood Quench and Heat Transfer Correlations for D.C. Cook Unit 2," referred to as "Document." Information contained in this Document has been classified by ENC as proprietary in accordance with the control system and policies established by ENC for the control and protection of information.

4. The Document contains information of a proprietary and confidential nature and is of the type customarily held in confidence by ENC and not made available to the public. Based on my experience, I am aware that other companies regard information of the kind contained in the Document as proprietary and confidential.

5. The Document has been made available to the U.S. Nuclear Regulatory Commission in confidence, with the request that the information contained in the Document will not be disclosed or divulged.

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 PWR accident analysis methodology which secure competitive advantage to ENC for fuel design optimization and 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 PWR accident analysis methodology 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.

12. This Document provides information which reveals PWR accident analysis methodology developed by ENC over the past several years. ENC has invested millions of dollars and many man-years of effort in developing the PWR accident analysis methodology 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.

Richard Stellingman

SWORN TO AND SUBSCRIBED

before me this 3rd day of

April, 1985.

Allen R. Hefner LR

NOTARY PUBLIC

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8504050214 DOC. DATE: 85/04/03 NOTARIZED: YES DOCKET #
 FACIL: 50-316 Donald G. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316
 AUTH. NAME: AUTHOR AFFILIATION
 CHANDLER, J. C. Exxon Nuclear Co., Inc. (subs. of Exxon Corp.)
 RECIP. NAME: RECIPIENT AFFILIATION
 DENTON, H. R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Forwards proprietary XN-NF-85-20(P), "Mod of EXEM/PWR
 FLECHT Based Reflood Quench & Heat Transfer Correlations
 for DC Cook Unit 2." Affidavit encl. Rept withheld
 (ref 10CFR2.790).

SEE SUBJECT FILES FOR REPT.

DISTRIBUTION CODE: PA01D COPIES RECEIVED: LTR 1 ENCL 5 SIZE: 4+85
 TITLE: Proprietary Review Distribution-Operating Reactor

NOTES: OL: 12/23/72 05000316

RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
NRR ORB1 BC #9-14	7 6		
INTERNAL: ACR8 #3-8	6 6	ELD/HDS3	1 0
REG. FILE #1	1 1	RGN3 #2	1 1
EXTERNAL: LPDR	1 0	NRC PDR	1 0

1 cc Advanced
 To: S. Varga



EXXON NUCLEAR COMPANY, INC.

2101 HORN RAPIDS ROAD, PO BOX 130, RICHLAND, WA 99352
(509) 375-8100 TELEX: 15-2878

April 3, 1985
JCC:064:85

Donald C. Cook Nuclear Plant Unit No. 2
Docket No. 50-316
License No. DPR-74
TRANSMITTAL OF ADDITIONAL INFORMATION
REGARDING LOCA-ECCS ANALYSIS
IN SUPPORT OF CYCLE 5 OPERATION

Mr. Harold R. Denton, Director
Office of Nuclear Reactor Regulation
U.S. Nuclear Regulatory Commission
Washington, D.C. 20555

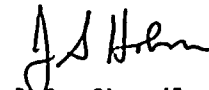
Dear Mr. Denton:

Enclosed are five copies of Exxon Nuclear Company technical report XN-NF-85-20(P), entitled "Modification of the EXEM/PWR FLECHT Based Reflood Quench and Heat Transfer Correlations for D.C. Cook Unit 2," which supports operation of the D.C. Cook Unit 2 nuclear plant. At the request of American Electric Power Service Company (AEPSC), this report is being transmitted directly by Exxon Nuclear.

Exxon Nuclear Company considers information contained in the enclosed technical report to be proprietary. In accordance with the Commission's Regulation 10 CFR 2.790(b), the enclosed Affidavit executed by our Mr. Richard E. Collingham provides the necessary information to support the withholding of the enclosed technical report from public disclosure. A non-proprietary version will be provided separately.

If you have any questions regarding this transmittal, please contact Mr. James G. Feinstein of AEPSC at (614) 233-2040.

Sincerely,



J.C. Chandler
Reload Licensing

naa

cc: Mr. David Moran (NRC)
Mr. D.L. Wigginton (NRC) (w/attach)
Mr. M.P. Alexich (AEPSC)

8504050214 850403
PDR ADDCK 05000316
P

PAOL 1/6
1 cy Advanced To: S. Varga

STATE OF WASHINGTON)
COUNTY OF BENTON) ss.

1. I am Manager, BWR Safety Analysis for Exxon Nuclear Company, Inc. ("ENC"), and as such I am authorized to execute this Affidavit.

3. I am familiar with the document XN-NF-85-20(P), entitled "Modification of the EXEM/PWR FLECHT Based Reflood Quench and Heat Transfer Correlations for D.C. Cook Unit 2," referred to as "Document." Information contained in this Document has been classified by ENC as proprietary in accordance with the control system and policies established by ENC for the control and protection of information.

5. The Document has been made available to the U.S. Nuclear Regulatory Commission in confidence, with the request that the information contained in the Document will not be disclosed or divulged.

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 PWR accident analysis methodology which secure competitive advantage to ENC for fuel design optimization and 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 PWR accident analysis methodology 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.

12. This Document provides information which reveals PWR accident analysis methodology developed by ENC over the past several years. ENC has invested millions of dollars and many man-years of effort in developing the PWR accident analysis methodology 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.

Richard Collings

SWORN TO AND SUBSCRIBED

before me this 3rd day of

April, 1985.

Hobie R. Fitzgerald

NOTARY PUBLIC

