## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

DOC.DATE: 82/10/08 NOTARIZED: YES DOCKET # ACCESSION NBR:8210130123 FACIL:50-316 Donald C, Cook Nuclear Power Plant, Unit 2, Indiana & 05000316

AUTHOR AFFILIATION AUTH.NAME

Exxon Nuclear Co., Inc. (subs. of Exxon Corp.) OWSLEY, G.F.

RECIPIENT AFFILIATION RECIP.NAME

Standardization & Special Projects Branch THOMAS, C.O.

SUBJECT: Forwards proprietary "Users Manual for PTSPWR2=FORTRAN

Program for Simulation of PWR Plant Transients ... & Suppl 1 to

manual. Affidavit supporting proprietary classification of

documents encl. Manuals withheld (ref. 10CFR2.790)

DISTRIBUTION CODE: TOO75 COPIES RECEIVED: LTR. J ENCL & SIZE:

TITLE: Proprietary Review Distribution - Topical Rpt

### NOTES:

t	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL		RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	
INTERNAL:	ASLB	1	0	NRR BERGGREN #3	1	1 0
	NRR DIR		0	NRR/DE/ADET	1	Ö
	NRR/DE/ADCSE	1	0	NRR/DE/AEAB	4	0
ı	NRR/DE/ADMQE	1	0	· · · • · · · · · · · · · · · · · · · ·	1	Ö
!	NRR/DE/CEB		ν, 0	NRR/DE/EEB		Ŏ
	NRR/DE/EQB	1	0	NRR/DE/GB	*	ŏ
r F	NRR/DE/HGEB	1	•	NRR/DE/MEB	4	٨
1	NRR/DE/MTEB	1	0 0	NRR/DE/QAB	1	Ŏ
1	NRR/DE/SAB	1		NRR/DE/SEB	1	Ŏ
•	NRR/DHFS DEPY	1	0	NRR/DHFS/HFEB	1	0
1	NRR/DHFS/LQB	1	0	NRR/DHFS/OLB		0
	NRR/DHFS/PTRB	1	0	NRR/DL DIR	1	0
į	NRR/DL/ADOR	1	0	NRR/DL/ADSA	1	0
	NRR/DL/LB1	1	0	NRR/DL/LB2	1	U
	NRR/DL/LB3	1	0	NRR/DL/LB4	1	Ů.
	NRR/DL/ORAB	1	0	NRR/DL/ORB1	1	0
1	NRR/DL/ORB2	1	0	NRR/DL/ORB3	1	0
3	NRR/DL/ORB4	1	0	NRR/DL/ORB5	1	0
	NRR/DL/SEPB	1	- 0	NRR/DL/SSPB	1	, 0
'	NRR/DSI DIR	1	0	NRR/DSI/ADCCS	1	0
<b>\</b>	NRR/DSI/ADCPS	1	0	NRR/DSI/ADRP	1	0
1	NRR/DSI/AEB	1	0	NRR/DSI/ASB	1	0
	NRR/DSI/CPB	1	0 "	NRR/DSI/CSB	1	0
	NRR/DSI/ETSB	1	. 0	NRR/DSI/ICSB	1	0
	NRR/DSI/PSB	1	0	NRR/DSI/RAB	1	0
	NRR/DSI/RSB	1.	0	NRR/DST DIR	1	0
	NRR/DST/ADGP	1	0	NRR/DST/ADT	1	0
1	NRR/DST/GIB	1	0	NRR/DST/LGB	1	0
1	NRR/DST/RRAB	1	0	NRR/DST/RSCB	ı <b>1</b>	0
•	NRR/DST/SPEB	1	0	OELD SHOMAKER	1	0
	REG FILE # 17-4	5	2	RES 井4	1	1 .
1	XTRA CCBERGGRE	25 4	4	!		
EXTERNAL:	السلب	#1713	13	NRC PDR	1	0
	NTIS 03		0			

21

## SERVED ATTRACTOR OF STATE OF CONTRACTOR OF STATES

ARTHER STREET FOR A STREET, A TROPER STREET FOR A STREET FOR A STREET AND A STREET t Transfer artiles and a could be a fore muchear toper a lore, that it Increase a while ale d now it, Mill · 在海界情况 考虑集出人 "如此出货" Jink

Exampled (co.) Inc. (Supp., of Example) . 1. 9. Y 1 13 " ) ANT REPORT OF A STATE OF THE ST 8 1/4 . Y 3 4 3 

The Large trace of the 1 frajekt hermonen

THE FLACES FLACE COMPANIES AND PROPERTY OF A PARTICLE OF A PART SECOND OF THE PROPERTY OF THE the air his greateting of his blight transaction & 0 and the more than the following Green propries of the property of the theorethan we - CHY , GHAIME FOIR MINE OF BRINGS . PAR MARCH

and the state of t A RALL BOR CROWN CONTROL TO MAINTAIN WAS A RESEARCH OF TENENT COLD A RALL RESEARCH

21.1 14 1

	Тава   найй #	デルドルドユキー 東 ユギュー むせん k メリットチ	21 is	मा । स्यास	
N	t	A RELIEF BLANK	0	¥	经济设施 鲁州城市城市军州直
()	1	<b>н¶</b>	1)	¥	A TO BE WELL A
¥	ţ.	1 N(1),7 ) 10 / 11 4	i)	X	\$17 \$ 10 × \$14 × 10 3 1
r <b>y</b>	Ř	11.8 1 1 1 1 1	13	ķ	A LANG TO MAKE CO
¥	P	1 4 1× 3 3× 1× 1	^	Á	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
<b>(3)</b>	Ř	on the state of	, ñ	<u>k</u>	14. A 🐧 🔪 A 15.4 .
*	*	J 8 1 3 4 1 1 4	F	X	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
<b>L</b> F	İ	1 1 1 × 31 × 31 × 1 × 31 × 1	. 3	i.	14 May 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
# <b>)</b>	1	PAR NAME OF ACT	18	K	The state of the s
¥	ţ	東京   第八   7   東京   1	4	X	A 1 1/4 1 1 1 4 4 7 1 1 2 1 1
1.7	Ř	J. R. W. A. R. P. X 53 x 1 17	ý	Ä	(Mar Mark 1 Mark 1 to the first
k ja	Į.	tally killing the	i ja	Ä	A B Come and the state of
O	p.	^ //#J <b>\</b> #**\\$1 // °	ħ	ì	A Company of the Company
K)	<b>₹</b>	21 ( 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	<del>é</del> n	Ĭ.	P E K N → N x → lμ ′
17	ţ	2 H 🗸 🦂 🗸 🗸 🗸 s i i s	(1	),	· IX # XX r r u!
*/	*	R 1 % 👟 3/77 🙌 1 1 2	٨	X.	A CONTRACTOR
¥	*	8" If a \ JOY \$12."	1	X	15 1 MX 18 1 X 21 1 1 1
b.#	t	🔑 भारते 🦠 🖟 🖁 🐧 हे पुरस्कार 🐧	7	i.	to had a kan by
	<b>.</b>	18 387 ( <b>\ 10 \ (</b> 4)4 4	13	1	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
,	*	12. 8 3 at 17 8 13 7 8 12 1 1	* 1	X	e (X 💉 X 🦠 🔪
4	ŧ	A + BA NA DARN ALL A	•	Ĭ	12 3 4 8 (N 2 19 19 N ) B 1 1
16	1	Particary, P	1	<b>L</b>	7.48 H By V 118 4
41	1	1437 LT 3 1 V 14 L 1	1	Ĭ	1 1 1 1 1 1 1 1 1 1 1 1 1 1
l	1	1395/11/3/4/4	. )	4	3. 18 18 18 18 18 18 18 18 18 18 18 18 18
	ř	A Company of the Comp	*	4	7 11 31 3 X X X 1 X X 21
14	•	410 x 3 x 43 42	17	ĭ	4 * 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1 * 1 *
79	R	【 · ** * * * * * * * * * * * * * * * * *	11	L	Transfer to the
ě	3.	网络 10 医双环气性压力	ħ,	ji.	Brick Return Co. C.
	•	8 3 (CV 8 2 3 X ) A R	3	L	4.4. 11 1 X 1 1 2 1 1 1 1 1 1 1 1 1 1 1 1 1
4.8	Ř	4. \$ A A + + + + + + + + + + + + + + + + +	٩	ľ	to a district the first of the second
ì	2	- 4 4	<i>r</i> ,	3	· · · · · · · · · · · · · · · · · · ·
			17,	61	Angeline Berkeller B. K. B. K.
vj	1	à y d - 18 q·4	× x	. 1	or the straight of
			<i>i</i> )	L.	C C STATE A

# EXON NUCLEAR COMPANY, Inc.

2101 Horn Rapids Road P. O. Box 130, Richland, Washington 93352 Phone: (509) 375-8100 Telex: 15-2878

> October 8, 1982 GFO:083:82

Dr. Cecil O. Thomas, Acting Branch Chief Standardization & Special Projects Branch Division of Licensing Office of Nuclear Reactor Regulation U. S. Nuclear Regulatory Commission Washington, D. C. 20555

- SUBJECT: 1) XN-NF-CC-38, "User's Manual for PTSPWR2 A FORTRAN Program for Simulation of Pressurized Water Reactor Plant Transients," dated December 1976
  - 2) XN-NF-CC-38, Supp. 1, "User's Manual for PTSPWR2 A FORTRAN Program for Simulation of Pressurized Water Reactor Plant Transients," dated October 1979

Dear Dr. Thomas:

This letter transmits twenty-five (25) copies of each of the subject reports to aid in your review of XN-NF-82-32, Rev. 1, "Plant Transient Analysis for the Donald C. Cook Unit 2 Reactor at 3425 MWt". Report XN-NF-82-32, Rev. 1, has been submitted in support of D. C. Cook Unit 2 Cycle 4 operation.

Exxon Nuclear Company considers information contained in the subject reports to be proprietary. In accordance with the Commission's Regulation 10 CFR 2.790(b), the enclosed Affidavit executed by our Dr. Richard B. Stout provides the necessary information to support the withholding of these documents from public disclosure.

If there are any comments and/or questions regarding these documents, please contact me, telephone (509) 375-8241.

Sincerely

G. F. Owsley, Manager Reload Fuel Licensing 700/ 5/2-

GFO:gf Enclosures As noted

CC: Mr. R. L. Cilimberg (USNRC) Dr. J. I. Castresana (AEP) 90

•

.

•

•

### AFFIDAVIT

STATE OF Washington )

SS.
COUNTY OF Benton )

- I, Richard B. Stout, being duly sworn, hereby say and depose:
- 1. I am Manager, Licensing and Safety Engineering, 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 documents XN-NF-CC-38 and XN-NF-CC-38, Supplement 1, entitled "User's Manual for PTSPWR2 A FORTRAN Program for Simulation of Pressurized Water Reactor Plant Transients," referred to as "Documents". Information contained in these Documents 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 Documents contain 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 Documents as being proprietary and confidential.
- 5. The Documents have been made available to the United States Nuclear Regulatory Commission in confidence, with the request that the information contained in the Documents not be disclosed or divulged.

- 6. The Documents contain 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 Documents is considered to be proprietary by ENC because it reveals certain distinguishing aspects of PWR plant transient analysis methods which secure competitive economic advantage to ENC for fuel design 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 Documents.
- 8. The disclosure of the proprietary information contained in the Documents 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 analysis methods, and would result in substantial harm to the competitive position of ENC.
- 9. The Documents contain 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 Documents 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. These Documents provide information which reveals PWR plant transient analysis methods developed by ENC over the past several years. ENC has invested hundreds of thousands of dollars and many man-years of effort in developing the analysis methods revealed in the Documents. 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 Documents.

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

Richard BSto

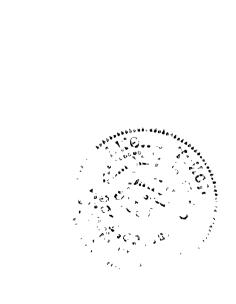
FURTHER AFFIANT SAYETH NOT.

SWORN TO AND SUBSCRIBED

before me this 8th day of

October, 19 82.

NOTARY PUBLIÉ



•

•

# REGULATURY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8210130123 DOC.DATE: 82/10/08 NOTARIZED: YES DOCKET # FACIL:50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316

AUTH.NAME AUTHOR AFFILIATION ONSLEY, G.F. Exxon Nuclear Co.,

Exxon Nuclear Co., Inc. (subs. of Exxon Corp.)

RECIPIENT AFFILIATION

THOPAS, C.O. Standardization & Special Projects Branch

SUBJECT: Forwards proprietary "Users Manual for PTSPWR2=FORTRAN Program for Simulation of PWR Plant Transients" & Suppl 1 to manual.Affidavit supporting proprietary classification of documents encl.Manuals withheld (ref 10CFR2.790).

DISTRIBUTION CODE: TOO7S COPIES RECEIVED:LTR J ENCL 25 SIZE: 4+ 017
TITLE: Proprietary Review Distribution - Topical Rpt

### NCTES:

RECIPIENT COPIES RECIPIENT COPIE	COPIES		
ID CODE/NAME LTTR ENCL ID CODE/NAME LTTR E	NCL	-	
,			
INTERNAL: ASLB 1 0 NRR BERGGREN #3 1	1		
NRR DIR 1 0 NRR/DE DIR 1	0		
NRR/DE/ADCSE 1 0 NRR/DE/ADET 1	0		
NRR/DE/ADMQE 1 0 NRR/DE/AEAB 1	0	•	
NRR/DE/CEB 1 0 NRR/DE/EEB 1	0		
NRR/DE/EQ8 1 0 NRR/DE/GB 1	0		
NRR/DE/HGEB 1 0 NRR/DE/MEB 1	0		
NRR/DE/MTEB 1 0 NRR/DE/QAB 1	0		
NRR/DE/SAB 1 0 NRR/DE/SEB 1	0		
NRR/DHFS DEPY 1 0 NRR/DHFS/HFEB 1	0		
NRR/OHFS/LQB 1 0 NRR/OHFS/OLB 1	0		
NRR/DHFS/PTRB 1 0 NRR/DL DIR 1	0		
NRR/DL/ADOR 1 0 NRR/DL/ADSA 1	0		
NRR/DL/LB1 1 0 NRR/DL/LB2 1	0		
NRR/DL/L83 1 0 NRR/DL/L84 1	0		
NRR/DL/ORAB 1 0 NRR/DL/ORB1 1	0		
NRR/DL/ORB2 1 0 NRR/DL/ORB3 1	0		
NRR/DL/ORB4 1 0 NRR/DL/ORB5 1	0		
NRR/DL/SEPB 1 0 NRR/DL/SSPB 1	0		
NRR/DSI DIR 1 0 NRR/DSI/ADCCS 1	0		
NRR/DSI/ADCPS 1 0 NRR/DSI/ADRP 1	0		
NRR/DSI/AEB 1 0 NRR/DSI/ASB 1	0		
NRR/DSI/CPB 1 0 NRR/DSI/CSB 1	0		
NRR/DSI/ETSB 1 0 NRR/DSI/ICSB 1	0		
NRR/DSI/PSB 1 0 NRR/DSI/RAB 1	0		
NRR/DSI/RSB 1 0 NRR/DST DIR 1	0		
NRR/DST/ADGP 1 0 NRR/DST/ADT 1	0		
NRR/DST/GIB 1 0 NRR/DST/LGB 1 -	0		
NRR/DST/RRAB 1 0 NRR/DST/RSCB 1	0		
NRR/DST/SPEB 1 0 OELD SHOMAKER 1	0		
REGETLE #11-#2 2 RES #4 1	1		
XTRA CCBERGGRE以 25 4 4			
EXTERNAL: ACRS · #5thru#17 13 13 NRC PDR 1	0	•	
NTIS 03 1 0	•	-	

# EXON NUCLEAR COMPANY, Inc.

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

> October 8, 1982 GF0:083:82

Dr. Cecil O. Thomas, Acting Branch Chief Standardization & Special Projects Branch Division of Licensing Office of Nuclear Reactor Regulation U. S. Nuclear Regulatory Commission Washington, D. C. 20555

- SUBJECT: 1) XN-NF-CC-38, "User's Manual for PTSPWR2 A FORTRAN Program for Simulation of Pressurized Water Reactor Plant Transients," dated December 1976
  - 2) XN-NF-CC-38, Supp. 1, "User's Manual for PTSPWR2 A FORTRAN Program for Simulation of Pressurized Water Reactor Plant Transients," dated October 1979

Dear Dr. Thomas:

This letter transmits twenty-five (25) copies of each of the subject reports to aid in your review of XN-NF-82-32, Rev. 1, "Plant Transient Analysis for the Donald C. Cook Unit 2 Reactor at 3425 MWt". Report XN-NF-82-32, Rev. 1, has been submitted in support of D. C. Cook Unit 2 Cycle 4 operation.

Exxon Nuclear Company considers information contained in the subject reports to be proprietary. In accordance with the Commission's Regulation 10 CFR 2.790(b), the enclosed Affidavit executed by our Dr. Richard B. Stout provides the necessary information to support the withholding of these documents from public disclosure.

If there are any comments and/or questions regarding these documents, please contact me, telephone (509) 375-8241.

G. F. Owsley, Manager

700/

Reload Fuel Licensing

GFO:gf Enclosures As noted

CC: Mr. R. L. Cilimberg (USNRC) Dr. J. I. Castresana (AEP)

*NAFFILIATE OF EXXON CORPORATION* 

8210130123 821008 PDR ADGCK 05000314 PDR

### AFFIDAVIT

STATE OF Washington )

SS.

COUNTY OF Benton )

- I, Richard B. Stout, being duly sworn, hereby say and depose:
- 1. I am Manager, Licensing and Safety Engineering, 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 documents XN-NF-CC-38 and XN-NF-CC-38, Supplement 1, entitled "User's Manual for PTSPWR2 A FORTRAN Program for Simulation of Pressurized Water Reactor Plant Transients," referred to as "Documents". Information contained in these Documents 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 Documents contain 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 Documents as being proprietary and confidential.
- 5. The Documents have been made available to the United States Nuclear Regulatory Commission in confidence, with the request that the information contained in the Documents not be disclosed or divulged.

- 6. The Documents contain 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 Documents is considered to be proprietary by ENC because it reveals certain distinguishing aspects of PWR plant transient analysis methods which secure competitive economic advantage to ENC for fuel design 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 Documents.
- 8. The disclosure of the proprietary information contained in the Documents 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 analysis methods, and would result in substantial harm to the competitive position of ENC.
- 9. The Documents contain 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 Documents 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. These Documents provide information which reveals PWR plant transient analysis methods developed by ENC over the past several years. ENC has invested hundreds of thousands of dollars and many man-years of effort in developing the analysis methods revealed in the Documents. 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 Documents.

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

rifan IBS

FURTHER AFFIANT SAYETH NOT.

SWORN TO AND SUBSCRIBED

before me this 92 day of

October , 19 82.

NOTARY PURITO