REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:8406050315 DOC.DATE: 84/06/01 NOTARIZED: NO DOCKET #
FACIL:50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316
AUTH.NAME AUTHOR AFFILIATION
ALEXICH,M.P. Indiana & Michigan Electric Co.
RECIP.NAME RECIPIENT AFFILIATION
DENTON,H.R. Office of Nuclear Reactor Regulation, Director

SUBJECT: Advises that PTS-PWR2 code mods,benchmarking documents & methodology & applications documentation for Westinghouse PWR will be submitted to provide acceptable plant transient analyses.

DISTRIBUTION CODE: A001S COPIES RECEIVED:LTR 1 ENCL 1 SIZE: 2
TITLE: OR Submittal: General Distribution

NOTES:

	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL	RECIPIENT ID CODE/NAME		COPIES LTTR	COPIES ENCL
	NRR ORB1 BC	01	7	7				
INTERNAL:	ELD/HDS3		1	0	NRR/DE/MTEB		1	1
	NRR/DL DIR		1	1	NRR/DL/ORAB		1	0
	NRR/DSI/METB		1	1	NRR/DSI/RAB		1	1
	REG FILE	04	1	1	RGN3		1	1
EXTERNAL:	ACRS	09	6	6	LPDR	03	1	1
	NRC PDR	02	1	1	NSIC	05	1	1
	NTIS		1	1				

TOTAL NUMBER OF COPIES REQUIRED: LTTR 25 ENCL 23

INDIANA & MICHIGAN ELECTRIC COMPANY

P.O. BOX 16631
COLUMBUS, OHIO 43216

June 1, 1984
AEP:NRC:0860N

Donald C. Cook Nuclear Plant Unit No. 2
Docket No. 50-316
License No. DPR-74
PLANT TRANSIENT ANALYSES

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

Dear Mr. Denton:

In order to provide acceptable plant transient analyses for Unit 2, using the PTS-PWR2 code developed by Exxon Nuclear Company, we will be providing the following:

1) PTS-PWR2 code modifications

2) Benchmarking documents
   a) Prairie Island tube rupture event
   b) LOFT tests
   c) RELAP5 analysis of coastdown of Primary Pumps

3) Methodology and applications documentation for Westinghouse PWR's

Pursuant to our discussions with your staff, AEP commits to providing the above information on or before September 1, 1984. The plant specific analyses using the PTS-PWR2 code will be provided within 90 days after our receipt of NRC written acceptance of the PTS-PWR2 code for D.C. Cook application. Exxon Nuclear Company has assured us that this can be achieved in accordance with the above schedule.

Also, please note that Mr. R.A. Copeland of Exxon Nuclear Company transmitted to Mr. J. Guttmann of Reactor Systems Branch (NRC) on March 26, 1984 responses to the preliminary set of questions from Argonne National Laboratory on the PTS-PWR2 code (ENC Letter No. RAC:026:84). Specifically included are responses to: 1) forty-three of the forty-nine September 30 questions on PTS-PWR2 code, 2) all of the March 6 Prairie Island benchmark questions and 3) the three questions of November 22 concerning PTS-PWR2 code.

A001
1/1

This document has been prepared following Corporate procedures which incorporate a reasonable set of controls to insure its accuracy and completeness prior to signature by the undersigned.

Very truly yours,

M.P. Alexich
Vice President

bjs

cc: John E. Dolan
W.G. Smith, Jr. - Bridgman
R.C. Callen
G. Charnoff
E.R. Swanson, NRC Resident Inspector - Bridgman
G.F. Owsley - Exxon Nuclear Company