

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8001140461 DOC. DATE: 80/01/09 NOTARIZED: NO DOCKET #
 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana & 05000316
 AUTH. NAME: AUTHOR AFFILIATION:
 DOLAN, J.E. Indiana & Michigan Power Co.
 RECIP. NAME: RECIPIENT AFFILIATION
 DENTON, H.R. Office of Nuclear Reactor Regulation

SUBJECT: Discusses peaking factor limits in light of revised ECCS analysis. Peak factor limit administratively reduced to Valve of 1.99 from 2.11. Forwards revision to Tech Specs incorporating reduced limits.

DISTRIBUTION CODE: A039S COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 7 + 13
 TITLE: Resp to Lesson Learn Task Force - Westinghouse

NOTES: SEND 3 CYS ALL MATL TO I & E.

ACTION:	RECIPIENT	COPIES		RECIPIENT	COPIES	
	ID CODE / NAME	LTR	ENCL		ID CODE / NAME	LTR
	10 BC ORB #1	1	1			
INTERNAL:	1 REG FILE	1	1	17 I & E	2	2
	19 TA/EDO	1	1	2 NRC PDR	1	1
	20 CORE PERF BR	1	1	21 ENG BR	1	1
	22 REAC SFTY BR	1	1	23 PLANT SYS BR	1	1
	24 EEB	1	1	25 EFLT TRT SYS	1	1
	3 LPDR	1	1	4 NSIC	1	1
	5 J OLSHINSKI	1	1	6 J KERRIGAN	1	1
	7 J BURDION	1	1	8 C WILLIS	1	1
	9 G IMBRU	1	1	J.T. TELFORD	2	2
	M FIELDS	1	1	N ANDERSON	1	1
	OELD	1	0	P O'REILLY	1	1
EXTERNAL:	26 ACRS	16	16			

JAN 15 1980

TOTAL NUMBER OF COPIES REQUIRED: LTR 50 ENCL 49
 47 46

ECS
 60

1. The first part of the document is a list of names and addresses of the members of the committee. The names are listed in alphabetical order, and the addresses are given in full. The list is as follows:

Mr. J. H. Smith, 123 Main St., New York, N. Y.
Mr. J. D. Jones, 456 Elm St., Boston, Mass.
Mr. W. E. Brown, 789 Oak St., Chicago, Ill.
Mr. R. L. Green, 101 Pine St., Philadelphia, Pa.
Mr. S. K. White, 202 Cedar St., St. Louis, Mo.
Mr. T. M. Black, 303 Maple St., Cincinnati, Ohio.
Mr. U. N. Gray, 404 Birch St., Portland, Me.
Mr. V. O. Hall, 505 Spruce St., Seattle, Wash.
Mr. W. P. King, 606 Fir St., San Francisco, Cal.
Mr. X. Q. Lee, 707 Ash St., Los Angeles, Cal.
Mr. Y. R. Scott, 808 Hickory St., Denver, Colo.
Mr. Z. S. Adams, 909 Walnut St., Salt Lake City, Utah.

2. The second part of the document is a list of the names and addresses of the members of the committee who have been elected to the office of Secretary. The names are listed in alphabetical order, and the addresses are given in full. The list is as follows:

Mr. J. H. Smith, 123 Main St., New York, N. Y.
Mr. J. D. Jones, 456 Elm St., Boston, Mass.
Mr. W. E. Brown, 789 Oak St., Chicago, Ill.
Mr. R. L. Green, 101 Pine St., Philadelphia, Pa.
Mr. S. K. White, 202 Cedar St., St. Louis, Mo.
Mr. T. M. Black, 303 Maple St., Cincinnati, Ohio.
Mr. U. N. Gray, 404 Birch St., Portland, Me.
Mr. V. O. Hall, 505 Spruce St., Seattle, Wash.
Mr. W. P. King, 606 Fir St., San Francisco, Cal.
Mr. X. Q. Lee, 707 Ash St., Los Angeles, Cal.
Mr. Y. R. Scott, 808 Hickory St., Denver, Colo.
Mr. Z. S. Adams, 909 Walnut St., Salt Lake City, Utah.

22. 64. 12

INDIANA & MICHIGAN ELECTRIC COMPANY

P. O. BOX 18
BOWLING GREEN STATION
NEW YORK, N. Y. 10004

January 9, 1980
AEP:NRC:00322B

Donald C. Cook Nuclear Plant Unit No. 2
Docket No. 50-316
License No. DPR-74
Subject: Peaking Factor Limits at Unit 2 in
Light of Revised ECCS Analysis

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

Dear Mr. Denton:

As a result of the revised ECCS analysis performed for Donald C. Cook Nuclear Plant Unit 2 by Westinghouse Electric Corporation using their February 1978 evaluation model and incorporating into the analysis the potential impact of the clad behavior data presented in draft NUREG-0630, we have discovered that our current limit on F_Q of 2.11 should be reduced to a value of 1.99. A discussion of the basis for this change is enclosed as Attachment A. Upon the discovery of this reduction we informed the NRC staff and stated in our letter of January 8, 1980 (AEP:NRC:00322A) that we would administratively limit the F_Q of Unit 2 to 1.99. Further, until the NRC staff approves the Technical Specification changes discussed below, we will not operate Unit 2 in any mode in which the new F_Q limits apply.

The F_Q limit affects numerous Technical Specifications. In our letter of November 2, 1979 (AEP:NRC:00297), we submitted Technical Specification change requests related to F_Q limits along with the required license amendment fee. At that time, our motivation was to bring the actual Technical Specifications in line with the administrative limits which resulted from the discovery of a calculational error in Westinghouse's October 1975 evaluation model and subsequent issuance of the NRC order. In light of the latest

A039
5/1

8001140

461

Figure 1 consists of 12 sub-graphs labeled (a) through (l). Each graph plots 'Percentage of correct responses' on the y-axis (0 to 100) against 'Trial' on the x-axis (1 to 10).
 (a) Shows a high, stable performance around 90-100%.
 (b) Shows a high, stable performance around 90-100%.
 (c) Shows a high, stable performance around 90-100%.
 (d) Shows a high, stable performance around 90-100%.
 (e) Shows a high, stable performance around 90-100%.
 (f) Shows a high, stable performance around 90-100%.
 (g) Shows a performance starting around 60%, dipping to 40% on trial 2, then rising to 80% by trial 10.
 (h) Shows a performance starting around 60%, dipping to 40% on trial 2, then rising to 80% by trial 10.
 (i) Shows a performance starting around 60%, dipping to 40% on trial 2, then rising to 80% by trial 10.
 (j) Shows a performance starting around 60%, dipping to 40% on trial 2, then rising to 80% by trial 10.
 (k) Shows a performance starting around 60%, dipping to 40% on trial 2, then rising to 80% by trial 10.
 (l) Shows a performance starting around 60%, dipping to 40% on trial 2, then rising to 80% by trial 10.

Mr. Harold R. Denton, Director

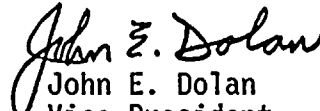
-2-

AEP:NRC:00322B

results, we wish to update the outstanding Technical Specification change requests to incorporate the F_0 limit of 1.99. A detailed description of the changes involved are presented in Attachment B to this letter.

Since the change requests of interest have already been formally requested and paid for as a Class III License Amendment for Unit 2, payment of additional fees is deemed unwarranted.

Very truly yours,


John E. Dolan
Vice President

JED:em

cc: R. C. Callen
G. Charnoff
R. W. Jurgensen
R. S. Hunter
D. V. Shaller -Bridgman .

Mr. Harold R. Denton, Director

-3-

AEP:NRC:00322B

bc: S. J. Milioti/J. I. Castresana/V. P. Manno
J. G. Del Percio/K. J. Vehstedt
H. L. Sobel/J. J. Weiss
R. F. Hering/S. H. Steinhart/J. A. Kobyra
R. F. Kroeger
H. N. Scherer, Jr./S.H. Horowitz/J. M. Intrabartola
E. A. Smarrella/V. VanderBurg-Bridgman
J. F. Stietzel-Bridgman
D. Wigginton-NRC
Cook Plant Resident NRC Inspector
DC-N-6015.1
DC-N-6665.7
AEP:NRC:00322
AEP:NRC:00322A
AEP:NRC:00322B

ATTACHMENT A
TO
AEP:NRC:00322B
DONALD C. COOK NUCLEAR PLANT
UNIT NO. 2
DOCKET NO. 50-316
LICENSE NO. DPR-74