

50-315

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

INCIDENT REPORT

TO:

FROM:

INDIANA & MICHIGAN POWER COMPANY
BRIDGMAN, MICHIGAN
R. W. JURGENSEN

DATE OF DOCUMENT

5/25/76

DATE RECEIVED

5/28/76

☒ LETTER☐ NOTORIZED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

☐ ORIGINAL☒ UNCLASSIFIED☒ COPY

NONE SIGNED

DESCRIPTION

LTR. TRANS THE FOLLOWING:

(1-P)

PLANT NAME:

COOK #1

ENCLOSURE

LICENSEE EVENT RPT. (RO 50-315/76-21) ON
5/11/76 CONCERNING AN INDICATED QUADRANT
POWER TILT OF 1.023 WHICH WAS CALCULATED
USING THE EXCORE NUCLEAR INSTRUMENTATION
READINGS WHILE IN MODE 1 AT 60% POWER.

ACKNOWLEDGED

(2-P) DO NOT REMOVE

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED
SEND DIRECTLY TO KREGER/J. COLLINS

SAFETY

FOR ACTION/INFORMATION

ENVIRO

5/28/76

R.J.L.

☒ BRANCH CHIEF:

Kniel

W/3 CYS FOR ACTION

☒ LIC. ASST:

Service

W/1 CYS

ACRS 16 CYS HOLDING/SENT TO LA

INTERNAL DISTRIBUTION

☒ REG FILE☒ NRC PDR☒ I & E (2)☒ MIRC (3)☒ SCHROEDER/IPPOLITO☒ HOUSTON☒ NOVAK/CHECK☒ GRIMES/SCHWENCER (1) EA☒ CASE☒ F. WILLIAMS☒ HANAUER☒ TEDESCO/MACCARY☒ EISENHUT☒ BAER☒ SHAO☒ VOLLMER/BUNCH☒ KREGER/J. COLLINS

EXTERNAL DISTRIBUTION

☒ LPDR: ST. JOSEPH, MI.☒ TIC☒ NSIC

CONTROL NUMBER

5377

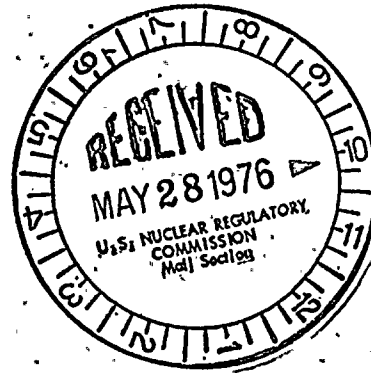


INDIANA & MICHIGAN POWER COMPANY

DONALD C. COOK NUCLEAR PLANT
P.O. Box 458, Bridgman, Michigan 49106

May 25, 1976

Mr. J.G. Keppler, Regional Director
Office of Inspection and Enforcement
United States Nuclear Regulatory Commission
Region III
799 Roosevelt Road
Glen Ellyn, IL 60137



Operating License DPR-58
Docket No. 50-315

Dear Mr. Keppler:

Pursuant to the requirements of Appendix A Technical Specifications and the United States Nuclear Regulatory Commission Regulatory Guide 1.16, Revision 4, Section 2.a, the following report is submitted:

RO 50-315/76-21

Sincerely,

R.W. Jurgensen
Plant Manager

/bab

cc: R.S. Hunter
J.E. Dolan
G.E. Lien
R. Kilburn
R.J. Vollen BPI
R.G. Callen MPSC
K.R. Baker RO:III
P.W. Steketee, Esq.
R. Walsh, Esq.
G. Charnoff, Esq.
G. Olson
J.M. Hennigan
PNSRC
R.S. Keith
Dir., IE (40 copies)
Dir., MIPC (4 copies)



Regulatory Docket File

5377

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME						LICENSE NUMBER										LICENSE TYPE					EVENT TYPE			
01	M	I	D	C	C	1	0	0	-	0	0	0	0	0	-	0	0	4	1	1	1	1	0	1
7	8	9	14	15	25	26	30	31	32															

CATEGORY			REPORT TYPE	REPORT SOURCE	DOCKET NUMBER					EVENT DATE					REPORT DATE									
01	CONT		P	L	0	5	0	-	0	3	1	5	0	5	1	1	7	6	0	5	2	5	7	6
7	8	57	59	59	60	61	68	69	74	75	80													

EVENT DESCRIPTION

02	WHILE IN MODE 1 AT 60% POWER, AN INDICATED QUADRANT POWER TILT OF 1.023 WAS CALCULATED	80
03	USING THE EXCORE NUCLEAR INSTRUMENTATION READINGS. AN INCORE THERMOCOUPLE MAP WAS	80
04	TAKEN AND IT CONFIRMED THAT A TILT DID EXIST. AN INCORE MOVABLE DETECTOR MAP (101-83)	80
05	WAS TAKEN. THE INCORE MOVABLE DETECTOR MAP INDICATED THAT A TILT DID EXIST BUT THAT	80
06	ITS VALUE WAS 1.010 IN THE UPPER HALF OF THE CORE (SEE SUPPLEMENT)(RO-50-315/Z6-21)	80

SYSTEM CODE		CAUSE CODE	COMPONENT CODE					PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER			VOLATION			
07	R	B	E	C	O	N	R	O	D	N	W	1	2	0	N
7	8	9	10	11	12	17	43	44	47	48					

CAUSE DESCRIPTION

09	DURING ROD DROP TESTING RCCA E-3 WAS FOUND TO BE STUCK AND INDICATIONS ARE THAT	80
09	THAT SUBSEQUENT EXERCISING MOVEMENTS TO FREE IT RESULTED IN A PORTION OF RCCA E-3	80
10	BREAKING OFF AND BEING LEFT INSERTED IN THE CORE. PRELIMINARY (SEE SUPPLEMENT)	80

FACILITY STATUS		% POWER	OTHER STATUS		METHOD OF DISCOVERY	DISCOVERY DESCRIPTION			
11	1	0	6	0	NA	B	SHIFT SURVEILLANCE		
7	8	9	10	12	13	44	45	46	80

FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE	AMOUNT OF ACTIVITY		LOCATION OF RELEASE		
12	Z	Z	NA	NA	NA	NA	
7	8	9	10	11	44	45	80

PERSONNEL EXPOSURES

NUMBER			TYPE	DESCRIPTION		
13	0	0	0	Z	NA	
7	8	9	11	12	13	80

PERSONNEL INJURIES

NUMBER			DESCRIPTION		
14	0	0	0	NA	
7	8	9	11	12	80

PROBABLE CONSEQUENCES

15	NA	80
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LOSS OR DAMAGE TO FACILITY

TYPE	DESCRIPTION			
16	Z	NA		
7	8	9	10	80

PUBLICITY

17	NA	80
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ADDITIONAL FACTORS

18	A PROGRAM OF TESTS AND ANALYSES IS UNDERWAY TO DETERMINE THE OPERABILITY OF RCCA E-3.	80
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19		80
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NAME: T. F. Plunkett

PHONE: (616) 465-5901 Ext. 331

RO-50-315-76-21

SUPPLEMENT TO EVENT DESCRIPTION

AND 1.009 IN THE LOWER HALF OF THE CORE. HOWEVER, ANALYSIS OF MAP 101-83 DID INDICATE A FLUX DEPRESSION NEAR ASSEMBLY E-3. FURTHER INVESTIGATION INDICATED A SMALL PORTION OF ROD CLUSTER CONTROL ASSEMBLY (RCCA) E-3 HAD BEEN LEFT IN THE CORE. AT THIS POINT, RCCA E-3 WAS DECLARED INOPERABLE AND POWER OPERATION WAS LIMITED TO A MAXIMUM OF 75% POWER UNDER TECHNICAL SPECIFICATIONS 3/4.1.3.

SUPPLEMENT TO CAUSE DESCRIPTION

ANALYSIS INDICATES THAT ONE (1) OR TWO (2) FINGERS ARE IN THEIR GUIDE TUBES IN THE CORE (RCCA CONTAINS TWENTY (20) FINGERS). BY EXAMINING TRACES FROM INCORE DETECTORS F-3 AND D-3 ADJACENT TO E-3, IT IS CONCLUDED THAT THE FINGERS LEFT IN THE CORE ARE FULLY INSERTED OVER THEIR ENTIRE LENGTH.

