

NRC FORM 195  
(2-78)

U.S. NUCLEAR REGULATORY COMMISSION

DOCKET NUMBER

50-315

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER  
INCIDENT REPORT

TO: Mr. J. G. Keppler

FROM: Indiana & Michigan Power Co.  
Bridgman, Michigan 49106  
D. V. Shaller

DATE OF DOCUMENT  
10/14/77

DATE RECEIVED  
11/02/77

☒ LETTER  
☒ ORIGINAL  
☐ COPY

☐ NOTORIZED  
☒ UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

1 signed

DESCRIPTION

ENCLOSURE

Licensee Event Report (RO 50-315/77-33) on 09/16/77 concerning position indication for rod F-6 indicated a 33 step deviation from bank position...

1p

2p

PLANT NAME: COOK UNIT # 1

jvm 11/02/77

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

1 cy Encl Rec'd \*

FOR ACTION/INFORMATION

BRANCH CHIEF:

DAVIS

W/ 4 CYS FOR ACTION

LIC ASST:

INTERNAL DISTRIBUTION

REG FILES

NRC PDR

I & E (2)

MIPC

SCHROEDER/ IPPOLITO

HOUSTON

NOVAK/ CHECK

GRIMES

KNIGHT

BUTLER

HANAUER

TEDESCO

EISENHUT

BAER

SHAO

VOLLMER/BUNCH

KREGER/ J. COLLINS

ROSA

EXTERNAL DISTRIBUTION

CONTROL NUMBER

LPDR: ST. Joseph, Mich.

TIC

NSIC

ACRS (16) CYS SENT AS CAT. B

773060108

No 4  
GD



*D. Lanham*

REGULATORY DOCKET FILE COPY



**INDIANA & MICHIGAN POWER COMPANY**

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

October 14, 1977



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.b, the following report is submitted:

RO 50-315/77-33.

Sincerely,

D.V. Shaller  
Plant Manager

/bab

- cc: J.E. Dolan  
R.W. Jurgensen  
G.E. Lien  
R. Kilburn  
R.J. Vollen BPI  
K.R. Baker RO:III  
R.C. Callen MPSC  
P.W. Stoketee, Esq.  
R. Walsh, Esq.  
G. Charnoff, Esq.  
G. Olson  
J.M. Hennigan  
PNSRC  
J.F. Stietzel  
Dir., IE (30 copies)  
Dir., MIPC (3 copies)

OCT 17 1977

773060108



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## LICENSEE EVENT REPORT

CONTROL BLOCK: 

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(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	3
7	8	9				14	15											26				30	31	32

CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER						EVENT DATE						REPORT DATE							
01	CON'T	L	L	0	5	0	-	0	3	1	5	0	9	1	6	7	7	1	0	1	4	7	7
7	8	57	58	59	60	61					68	69					74	75					80

## EVENT DESCRIPTION

02	ON 9/16/77, POSITION INDICATION FOR ROD F-6 INDICATED A 33 STEP DEVIATION FROM BANK POSITION. AT THE TIME, ROD F-6'S INDICATED POSITION WAS 195 STEPS AND BANK POSITION INDICATED 228 STEPS. THIS IS IN EXCESS OF THE 12 STEP LIMIT AS OUTLINED IN TECHNICAL SPECIFICATIONS PARAGRAPH 3.1.3.2. UPON IDENTIFICATION (SEE SUPPLEMENT) (RO-050-315/77-337)																							
7	8	9																						80

SYSTEM CODE		CAUSE CODE		COMPONENT CODE				PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER			VIOLATION			
07	I	E	E	I	N	S	T	R	U	N	W	1	2	9	N
7	8	9	10	11	12				17	43	44			47	48

## CAUSE DESCRIPTION

08	THE CAUSE WAS TRACED TO THE SIGNAL CONDITIONING MODULE (MODEL #E2-786) WHICH WAS FOUND TO BE READING LOW. THE "SPAN" ADJUSTMENT WAS ADJUSTED FOR A CORRECT READING OF 228 STEPS. ROD F-6 (SEE SUPPLEMENT)																							
7	8	9																						80

FACILITY STATUS		% POWER		OTHER STATUS				METHOD OF DISCOVERY		DISCOVERY DESCRIPTION														
11	E	0	6	0	NA			A		NA														80
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																80
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

## PERSONNEL INJURIES

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

## OFFSITE CONSEQUENCES

15	NA																							
7	8	9																						80

## LOSS OR DAMAGE TO FACILITY

TYPE	DESCRIPTION		
16	Z	NA	
7	8	9	10

## PUBLICITY

17	NA																							
7	8	9																						80

## ADDITIONAL FACTORS

18	NA																							
7	8	9																						80

19	NA																							
7	8	9																						80

NAME: T. P. BEILMAN

PHONE: (616) 465-5901 (368)



SUPPLEMENT TO REPORTABLE OCCURRENCE RO-050-315/77-33

SUPPLEMENT TO EVENT DESCRIPTION

OF THE PROBLEM, NUCLEAR ENGINEERS VERIFIED THAT ROD F-6 WAS IN CORRECT POSITION RELATIVE TO SYMMETRICAL ROD K-10 THROUGH THE INCORE FLUX DETECTORS. THIS IS THE THIRD SUCH OCCURRENCE FOR THIS PARTICULAR INDICATOR.

SUPPLEMENT TO CAUSE DESCRIPTION

POSITION INDICATION WAS THEN PLACED ON A TREND RECORDER TO MONITOR INDICATION AT 15 MINUTE INTERVALS. NO FURTHER PROBLEMS HAVE BEEN ENCOUNTERED.

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