

7 10/04/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)  
DISTRIBUTION FOR INCOMING MATERIAL

50-315

REC: KEPPLER J G  
NRC

ORG: SHALLER D V  
IN & MI PWR

DOCDATE: 09/27/78  
DATE RCVD: 10/03/78

DOCTYPE: LETTER NOTARIZED: NO  
SUBJECT:

COPIES RECEIVED  
LTR 1 ENCL 30

FORWARDING LICENSEE EVENT REPT (RO 50-315/78-051) ON 08/28/78 CONCERNING  
REPAIRS TO TWO REGULATING VALVES RESULTED IN A LOSS OF STEAM TO THE CONDENSER  
AIR INJECTION AS BOTH VALVES INADVERTANTLY FAILED CLOSED... W/ATT LER 78-052.

PLANT NAME: COOK -- UNIT 1

REVIEWER INITIAL: XJM  
DISTRIBUTOR INITIAL: RTW

\*\*\*\*\* DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS \*\*\*\*\*

NOTES:

I & E -- 3 CYS ALL MATERIAL

INCIDENT REPORTS  
(DISTRIBUTION CODE A002)

FOR ACTION: BR CHIEF ORB#1 BC\*\*W/4 ENCL

INTERNAL:

REG FILE\*\*W/ENCL  
I & E\*\*W/3 ENCL  
I & C SYSTEMS BR\*\*W/ENCL  
NOVAK/CHECK\*\*W/ENCL  
AD FOR ENG\*\*W/ENCL  
HANAUER\*\*W/ENCL  
AD FOR SYS & PROJ\*\*W/ENCL  
ENGINEERING BR\*\*W/ENCL  
KREGER/J. COLLINS\*\*W/ENCL  
K SEYFRIT/IE\*\*W/ENCL

NRC PDR\*\*W/ENCL  
MIPC\*\*W/3 ENCL  
EMERGENCY PLAN BR\*\*W/ENCL  
EEB\*\*W/ENCL  
PLANT SYSTEMS BR\*\*W/ENCL  
AD FOR PLANT SYSTEMS\*\*W/ENCL  
REACTOR SAFETY BR\*\*W/ENCL  
VOLLMER/BUNCH\*\*W/ENCL  
POWER SYS BR\*\*W/ENCL

EXTERNAL:

LPDR'S  
ST. JOSEPH, MI\*\*W/ENCL  
NSIC\*\*W/ENCL  
ACRS CAT B\*\*W/16 ENCL

DISTRIBUTION: LTR 44 ENCL 44  
SIZE: 1P+1P+1P

CONTROL NBR: 780680187

Ad 4 60

\*\*\*\*\* THE END \*\*\*\*\*





**INDIANA & MICHIGAN POWER COMPANY**

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

September 27, 1978

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

**REGULATORY DOCKET FILE COPY**

Operating License DPR-58  
Docket No. 50-315

Dear Mr. Keppler:

Pursuant to the requirements of the Appendix A Technical Specifications  
the following reports are submitted:

RO 78-051/03L-0  
RO 78-052/03L-0.

Sincerely,

D.V. Shaller  
Plant Manager

/bab

cc: J.E. Dolan  
R.W. Jurgensen  
R.F. Kroeger  
R. Kilburn  
R.J. Vollen BPI  
K.R. Baker RO:III  
R.C. Callen MPSC  
P.W. Steketee, Esq.  
R. Walsh, Esq.  
G. Charnoff, Esq.  
G. Olson  
J.M. Hennigan  
PNSRC  
J.F. Stietzel  
R.S. Keith  
T.P. Beilman/J.L. Rischling  
Dir., IE (30 copies)  
Dir., MIPC (3 copies)

**REGULATORY DOCKET FILE COPY**

US NRC  
DISTRIBUTION  
SERVICES  
BRANCH

1978 OCT 3 AM 11 21

RECEIVED DISTRIBUTION  
SERVICES UNIT

780680187

A002/s\*  
1/30



# LICENSEE EVENT REPORT

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	M	I	D	C	C	1	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	4	7	7	7	7	4			5
7	8	9						14	15	25													26	30				57	CAT	58		
		LICENSEE CODE						LICENSE NUMBER													LICENSE TYPE											

REPORT SOURCE	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80				
	L	6	0	5	0	0	0	3	1	5	7	0	8	2	8	7	8	8	0	9	2	7	7	8	9
			DOCKET NUMBER								EVENT DATE						REPORT DATE								

### EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 ON 8-28-78 DURING A RAPID LOAD REDUCTION FROM 100% TO 80%, THE AXIAL FLUX DIFFERENCE  
03 WENT OUTSIDE THE TARGET BAND. THE AXIAL FLUX DIFFERENCE WAS RESTORED TO WITHIN THE  
04 TARGET BAND IN 12 MINUTES IN COMPLIANCE WITH THE 15 MINUTE ACTION REQUIREMENT OF  
05 T. S. 3.2.1. SINCE THE TIME OUTSIDE THE TARGET BAND WAS LIMITED, PEAKING FACTORS  
06 WERE NOT SUFFICIENTLY ALTERED BY XENON REDISTRIBUTION UPON THE SUBSEQUENT RETURN TO  
07 RATED THERMAL POWER TO CAUSE ANY PROBABLE ADVERSE CONSEQUENCES.

SIMILAR OCCURRENCE: 050-315 78-013

SYSTEM CODE Z Z (11)		CAUSE CODE X (12)		CAUSE SUBCODE Z (13)		COMP. SUBCODE Z (15)				VALVE SUBCODE Z (16)	
9 10		11		12 13		14 15 16 17 18				19 20	
7 8											
LER/RO REPORT NUMBER (17) 7 8		EVENT YEAR 21 22		SEQUENTIAL REPORT NO. 23 24 25 26		OCCURRENCE CODE 27 28 29		REPORT TYPE 30 31		REVISION NO. 32	
ACTION TAKEN Z (18)		FUTURE ACTION Z (19)		EFFECT ON PLANT Z (20)		SHUTDOWN METHOD Z (21)		HOURS 22 23 24 25		ATTACHMENT SUBMITTED N (23)	
33 34		35 36		37 38 39 40		41 42		43 44		45 46 47 48	
NPRD-4 FORM SUB. N (24)		PRIME COMP. SUPPLIER Z (25)		COMPONENT MANUFACTURER Z 9 9 9 (26)							

### CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | REPAIRS TO TWO STEAM REGULATING VALVES RESULTED IN A LOSS OF STEAM TO THE CONDENSER

1 1 | .AIR EJECTORS AS BOTH VALVES INADVERTANTLY FAILED CLOSED. LOAD WAS REDUCED TO

1 2 | PREVENT A LOW VACUUM TRIP UNTIL THE STEAM WAS RESTORED. AT THAT TIME CONTROL RODS

1 3 | WERE BORATED OUT TO RESTORE THE AXIAL FLUX TO WITHIN THE TARGET BAND AND POWER WAS

1 4 | RETURNED TO 100%.

FACILITY STATUS (28) F 1 5  
 % POWER 1 0 0 (29)  
 OTHER STATUS (30) NA  
 METHOD OF DISCOVERY (31) A  
 DISCOVERY DESCRIPTION (32) OPERATOR OBSERVATION  
 ACTIVITY CONTENT  
 RELEASED OF RELEASE (33) Z (34) Z  
 AMOUNT OF ACTIVITY (35) NA  
 LOCATION OF RELEASE (36) NA  
 PERSONNEL EXPOSURES  
 NUMBER (37) 0 (38) Z (39) NA  
 PERSONNEL INJURIES  
 NUMBER (40) 0 (41) NA  
 LOSS OF OR DAMAGE TO FACILITY  
 TYPE (42) Z (43) NA  
 PUBLICITY  
 ISSUED (44) N (45) NA  
 NRC USE ONLY

NAME OF PREPARER J. M. Randolph

PHONE: (616) 465-5901

**LICENSEE EVENT REPORT**

CONTROL BLOCK: 

--	--	--	--	--	--

 ①

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	M I D C C 1												0	0	0	0	0	0	0	0	0	0	0	0	4	1	1	1	1																																	
7	8	9												14												15												25												26					30					57		58	
LICENSEE CODE		LICENSE NUMBER												LICENSE TYPE					CAT																																												

**CON'T**

CON 1  
7 0 1 8

REPORT SOURCE L 6 0 5 0 0 0 3 1 5 7 0 8 2 8 7 8 8 0 9 2 7 7 8 9

60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

**EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)**

ON BOTH 8-28-78 AND 9-9-78 THE STEAM GENERATOR LEVEL SET THREE LOOP FOUR LOW LEVEL

03 BISTABLE WAS FOUND TO HAVE EXCEEDED THE MINIMUM SET POINT LIMIT SPECIFIED IN

0 4 T.S. TABLE 2.2-1 ITEM #15. THE REQUIRED ACTIONS WERE PERFORMED WITHIN THE

05 | SPECIFIED TIME LIMITS ON BOTH OCCASIONS.

06 | \_\_\_\_\_

07 \_\_\_\_\_

08

SYSTEM CODE I A (11)		CAUSE CODE E (12)		CAUSE SUBCODE G (13)		COMPONENT CODE I N S T R U (14)				COMP. SUBCODE X (15)		VALVE SUBCODE Z (16)	
LER/RO REPORT NUMBER 7 8 (17)		EVENT YEAR 7 8 (21 22)		SEQUENTIAL REPORT NO. 0 5 2 (24 25 26)		OCCURRENCE CODE 0 3 (28 29)		REPORT TYPE L (30)		REVISION NO. 0 (32)			
ACTION TAKEN B (18)		FUTURE ACTION Z (19)		EFFECT ON PLANT Z (20)		SHUTDOWN METHOD Z (21)		HOURS 0 0 0 (22 23 24)		ATTACHMENT SUBMITTED N (25)		NPRD-4 FORM SUB. N (26)	
PRIME COMP. SUPPLIER N (27)		COMPONENT MANUFACTURER F 1 8 0 (28 29 30 31)											

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | TECHNICIAN INVESTIGATION REVEALED THE CAUSE TO BE A BAD SOLDER JOINT ON A

111 | RESISTOR WHICH DEVELOPS THE BISTABLE INPUT CAUSING THE INPUT RESISTANCE TO VARY.

1 2 THE SOLDER JOINT WAS REFORMED TO CORRECT THE PROBLEM AND A RETEST WAS PERFORMED

13 | TO VERIFY OPERABILITY. NO FURTHER ACTION IS PLANNED.

1	4	
---	---	--

7 8 9 FACILITY STATUS 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50

1 5 E 0 9 9 NA B SURVEILLANCE

ACTIVITY RELEASED		CONTENT OF RELEASE	AMOUNT OF ACTIVITY		LOCATION OF RELEASE
1	6	2	33	34	35
				NA	NA

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	0	(37)	Z	(38)	NA	(39)

		PERSONNEL INJURIES				
		NUMBER	DESCRIPTION			(41)
1	2	0	0	0	(40)	NA

7	3	9	11	12	8
LOSS OF OR DAMAGE TO FACILITY (43)					
TYPE		DESCRIPTION			
1	2	3	(42)	NA	

7	3	9	10										
PUBLICITY				NRC USE ONLY									
ISSUED				DESCRIPTION									
2	2	1	1										

NAME OF PREPARER T. P. Beilman

PHONE: 616-465-5901

**NRC USE ONLY**

017-028