

**NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL  
(TEMPORARY FORM)**

CONTROL NO: 14247

FILE: INCIDENT REPORT FI

FROM: Indiana & Michigan Power Bridgman, Michigan R.W. Jurgensen		DATE OF DOC 12-17-75	DATE REC'D 12-24-75	LTR XXX	TWX	RPT	OTHER
TO: J.G. Keppler		ORIG None	CC 30	OTHER	SENT AEC PDR XXX SENT LOCAL PDR XXX		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 30	DOCKET NO: 50-315		

DESCRIPTION:  
Letter trans; the following.....

ENCLOSURES:  
Abnormal Occurrence # 75-75, on 12-2-75,  
Concerning the seismic monitoring system  
being found unsatisfactory.....  
  
(30 Cys. Received)

PLANT NAME: Cook # 1

**FOR ACTION/INFORMATION**

SAB 12-29-75

BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/ Copies
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**DO NOT REMOVE  
ACKNOWLEDGED**

**INTERNAL DISTRIBUTION**

<del>REG FILE</del> NRC PDR OGC, ROOM P-506A GOSSICK/STAFF CASE	<del>TECH REVIEW</del> SCHROEDER MACCARY KNIGHT PAWLICKI SHAO **STELLO **HOUSTON **NOVAK ROSS IPPOLITO TEDESCO J. COLLINS LAINAS BENAROYA VOLLMER	DENTON **GRIMES GAMMILL KASTNER BALLARD SPANGLER  ENVIRO MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR HARLESS	LIC ASST R. DIGGS (L) H. GEARIN (L) E. GOULBOURNE (L) P. KREUTZER (E) J. LEE (L) M. RUSHBROOK (L) S. REED (E) M. SERVICE (L) S. SHEPPARD (L) M. SLATER (E) H. SMITH (L) S. TEETS (L) G. WILLIAMS (E) V. WILSON (L) R. INGRAM (L) M. DUNCAN (E)	A/T IND. BRAITMAN SALTZMAN MELTZ  PLANS MCDONALD CHAPMAN DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) KLECKER EISENHUT WIGGINTON F. WILLIAMS HANAUER
BOYD MOORE (L) DEYOUNG (L) SKOVHOLT (L) GOLLER (L) (Ltr) P. COLLINS DENISE REG OPR FILE & REGION (2) MIFC/PE (3) STEELE				

**EXTERNAL DISTRIBUTION**

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1 - Newton Anderson		1 - J. D. RUNKLES, Rm E-201 GT
1 - ACRS SENT TO LIC ASST M. Service		
** SEND ONLY TEN DAY REPORTS		

ALL INFORMATION CONTAINED  
HEREIN IS UNCLASSIFIED  
DATE 10/11/2001 BY 60322 UCBAW



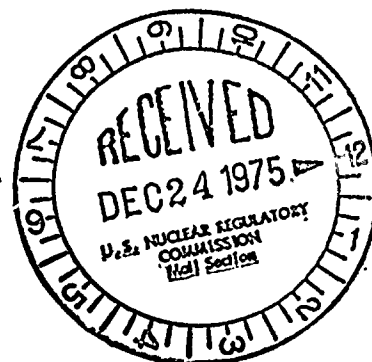
**INDIANA & MICHIGAN POWER COMPANY**

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

Regulatory

File Cy

December 17, 1975



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 United States Nuclear Regulatory Commission Regulatory Guide 1.16, Revision 3, Section 2.b, the following Abnormal Occurrence Report is submitted:

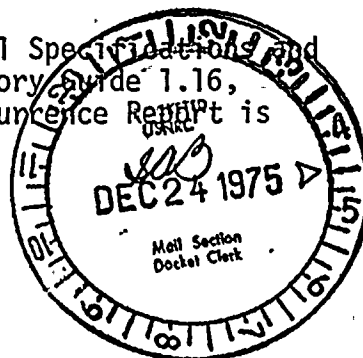
AO 50-315/75-75

Sincerely,

  
R.W. Jurgensen  
Plant Manager

/bab

cc: R.S. Hunter  
J.E. Dolan  
G.E. Lien  
R. Kilburn  
R.J. Vollen BPI  
R.C. Callen MPSC  
K.R. Baker RO: III  
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14247

1944

1944

1944



# LICENSEE EVENT REPORT

CONTROL BLOCK: 1 6

PLEASE PRINT ALL REQUIRED INFORMATION

LICENSEE NAME 01 M I D C C 1														LICENSE NUMBER 00 - 000000 - 00											LICENSE TYPE 4 1 1 1 1					EVENT TYPE 0 1								
CATEGORY 01 CONT P 0														REPORT TYPE L		REPORT SOURCE L		DOCKET NUMBER 050 - 0315											EVENT DATE 12 02 75					REPORT DATE 12 15 75				

## EVENT DESCRIPTION

02 WHILE IN MODE 1, AT 80 PERCENT POWER, SURVEILLANCE TESTING OF THE SEISMIC MONITORING																																																																															
03 SYSTEM FOUND ONE CHANNEL (REACTOR PIT FLOOR) UNSATISFACTORY. VENDOR REPRESENTATIVES																																																																															
04 WERE CONTACTED AND ARRIVED ON SITE DECEMBER 2, 1975. THE PROBLEM WAS ISOLATED TO THE																																																																															
05 AMPLIFIER BOARD WHICH SHOWED SIGNS OF AMPLIFIER BALANCE SHIFT SIMILAR TO THAT REPORTED																																																																															
06 IN ABNORMAL OCCURANCE A0-50-315/75-56. THE PROBLEM (See Supplement) (A0-50-315/75-75)																																																																															

SYSTEM CODE 07 I F		CAUSE CODE E		COMPONENT CODE I N S T R U													PRIME COMPONENT SUPPLIER L		COMPONENT MANUFACTURER K 1 3 0					VIOLATION N	
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## CAUSE DESCRIPTION

08 THE CAUSE OF THE FAILURE WAS AMPLIFIER BALANCE SHIFT IN TWO OF THE THREE CHANNELS,																																																																															
09 APPARENTLY DUE TO EXCESSIVE TEMPERATURES AND NEUTRON FLUX LEVELS AT POWER.																																																																															
10																																																																															

FACILITY STATUS 11 E		% POWER 080		OTHER STATUS NA										METHOD OF DISCOVERY B		DISCOVERY DESCRIPTION SURVEILLANCE TESTING																																																							
FORM OF ACTIVITY RELEASED 12 Z		CONTENT OF RELEASE Z		AMOUNT OF ACTIVITY NA										LOCATION OF RELEASE NA																																																									

## PERSONNEL EXPOSURES

NUMBER 13 000		TYPE Z		DESCRIPTION NA																																																							
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## PERSONNEL INJURIES

NUMBER 14 000		DESCRIPTION NA																																																							
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## OFFSITE CONSEQUENCES

15 NONE -- ALL REDUNDANT CHANNELS REMAIN OPERABLE																																																																															
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## LOSS OR DAMAGE TO FACILITY

TYPE 16 Z		DESCRIPTION NA																																																							
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## PUBLICITY

17 NA																																																																															
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## ADDITIONAL FACTORS

18 NA																																																																															
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19 NA																																																																															
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NAME: G. SWAN

PHONE: 465-5901 (368)



SUPPLEMENT TO ABNORMAL OCCURANCE AO-50-315/75-75

SUPPLEMENT TO EVENT DESCRIPTION

APPEARS TO HAVE BEEN CAUSED BY THE HIGH AMBIENT TEMPERATURE AND RADIATION FLUX CONDITIONS PRESENT DURING NORMAL OPERATION. BOARDS OF IMPROVED DESIGN AND WIDER TEMPERATURE AND FLUX TOLERANCES ARE BEING ASSEMBLED BY KINEMATRICS AND SHOULD ARRIVE ON SITE BY JANUARY 1, 1976. THESE NEW BOARDS WILL REPLACE THE ONES NOW IN SERVICE AND ARE EXPECTED TO PERFORM SATISFACTORILY IN THE LOCATIONS IN WHICH TEMPERATURE AND HIGH FLUX ARE NOW CAUSING PROBLEMS.

