

## NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER  
INCIDENT REPORT

TO:

Mr. J. G. Keppler

FROM:

Indiana & Michigan Power Company  
Bridgman, Mich.  
R. W. Jurgensen

DATE OF DOCUMENT

3/4/77

DATE RECEIVED

3/9/77

☒ LETTER  
☐ ORIGINAL  
☒ COPY☐ NOTORIZED  
☒ UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

One signed copy

## DESCRIPTION

Ltr. trans the following:

PLANT NAME:

Cook Unit No. 1

(1-P)

## ENCLOSURE

Licensee Event Report (RO 50-31577-08) on  
2/7/77 concerning power being lost to both  
source range channels (N-31 and N-32) for a  
period of two minutes.....**DO NOT REMOVE  
ACKNOWLEDGED**

(2-P)

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

FOR ACTION/INFORMATION 3/9/77

RJL

<input checked="" type="checkbox"/> BRANCH CHIEF:	Ziemann
<input checked="" type="checkbox"/> W/3 CYS FOR ACTION	
<input checked="" type="checkbox"/> LIC. ASST.:	Diggs
<input checked="" type="checkbox"/> W/ CYS	
<input checked="" type="checkbox"/> ACRS 16 CYS HOLDING/SENT:	Cat. B. (3/9/77)

## INTERNAL DISTRIBUTION

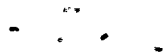
<input checked="" type="checkbox"/> REG FILE	
<input checked="" type="checkbox"/> NRC PDR	
<input checked="" type="checkbox"/> I & E (2)	
<input checked="" type="checkbox"/> MIPC	
<input checked="" type="checkbox"/> SCHROEDER/IPPOLITO	
<input checked="" type="checkbox"/> HOUSTON	
<input checked="" type="checkbox"/> NOVAK/CHECK	
<input checked="" type="checkbox"/> GRIMES	
<input checked="" type="checkbox"/> CASE	
<input checked="" type="checkbox"/> BUTLER	
<input checked="" type="checkbox"/> HANAUER	
<input checked="" type="checkbox"/> TEDESCO/MACCARY	
<input checked="" type="checkbox"/> EISENHUT	
<input checked="" type="checkbox"/> BAER	
<input checked="" type="checkbox"/> SHAO	
<input checked="" type="checkbox"/> VOLLMER/BUNCH	
<input checked="" type="checkbox"/> KREGER/J. COLLINS	
<input checked="" type="checkbox"/> MLYNICKZAK	

## EXTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> LPDR: St. Joseph, Mich.	
<input checked="" type="checkbox"/> TIC:	
<input checked="" type="checkbox"/> NSIC:	

## CONTROL NUMBER

2522 315  
A04  
69



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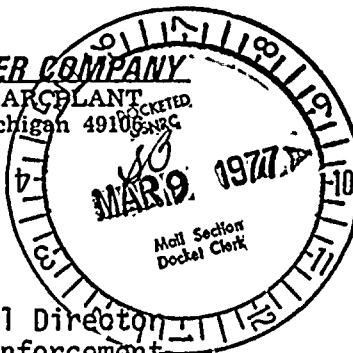
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**INDIANA & MICHIGAN POWER COMPANY**

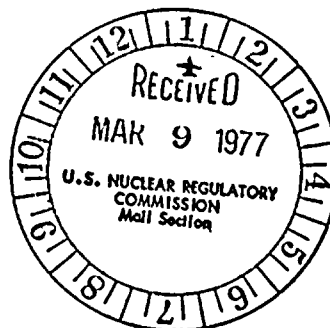
DONALD C. COOK NUCLEAR PLANT  
P.O. Box 458, Bridgman, Michigan 49106

March 4, 1977



Regulatory

File Cy



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 50-315/77-08

Sincerely,

R. W. Jorgensen  
Plant Manager

RWJ/mj

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  
R. Walsh, Esq.  
P. W. Steketee, Esq.  
G. Charnoff, Esq.  
G. Olson  
J. M. Hennigan  
PNSRC  
R. S. Keith  
Dir., IE (30 copies)  
Dir., MIPC (3 copies)

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# LICENSEE EVENT REPORT

CONTROL BLOCK: 1 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 0										4 1 1 1 1					0 3														
7	8	9	14	15	25	26	30	31	32	7	8	9	14	15	25	26	30	31	32	7	8	9	14	15	25	26	30	31	32	7	8	9	14	15	25	26	30	31	32

CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER					EVENT DATE					REPORT DATE											
01 CONT		L	L	0 5 0 - 0 3 1 5					0 2 0 7 7 7					0 3 0 4 7 7											
7	8	57	58	59	60	61	68	69	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90

**EVENT DESCRIPTION**

02	WHILE IN MODE 6 DURING THE PERFORMANCE OF A SURVEILLANCE TEST, POWER WAS LOST TO BOTH	80
03	SOURCE RANGE CHANNELS (N-31 AND N-32) FOR A PERIOD OF TWO MINUTES.	80
04		80
05		80
06		80

(RO-50-315/77- 08 )

SYSTEM CODE		CAUSE CODE		COMPONENT CODE					PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER					VIOLATION	
07 I D		D		I N S T R U					N		W 1 2 0					N	
7	8	9	10	11	12	13	14	15	16	17	43	44	45	46	47	48	

**CAUSE DESCRIPTION**

08	INVESTIGATION REVEALED THAT DURING THE ECCS TIME RESPONSE TEST, THE CONDITION EXISTED IN	80
09	WHICH THE INPUT ERROR INHIBIT SWITCH WAS PUT IN THE INHIBIT POSITION ON THE LOGIC TEST	80
10	PANEL FOR BOTH TRAINS A AND B. THIS RESULTED IN THE LOSS OF POWER (SEE SUPPLEMENT)	80

FACILITY STATUS		% POWER		OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION					
11 H		0 0 0		NA		B		SURVEILLANCE TEST					
7	8	9	10	11	12	13	44	45	46	47	48	49	50

FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY		LOCATION OF RELEASE							
12 Z		Z		NA		NA							
7	8	9	10	11	12	13	44	45	46	47	48	49	50

**PERSONNEL EXPOSURES**

NUMBER		TYPE		DESCRIPTION		
13 0 0 0		Z		NA		
7	8	9	10	11	12	13

**PERSONNEL INJURIES**

NUMBER		DESCRIPTION			
14 0 0 0		NA			
7	8	9	10	11	12

**PROBABLE CONSEQUENCES**

15	NA	80
----	----	----

**LOSS OR DAMAGE TO FACILITY**

TYPE		DESCRIPTION	
16 Z		NA	
7	8	9	10

**PUBLICITY**

17	NA	80
----	----	----

**ADDITIONAL FACTORS**

18	NA	80
----	----	----

19	NA	80
----	----	----

NAME: J.L. RISCHLING PHONE: (616)465-5901(368)

SUPPLEMENT TO REPORTABLE OCCURRENCE RO-50-315/77-08

SUPPLEMENT TO CAUSE DESCRIPTION

TO N-31 AND N-32.

TO PREVENT RECURRENCE, TEMPORARY CHANGES HAVE BEEN MADE TO TWO PROCEDURES WHERE THIS CONDITION WOULD EXIST. WE ARE FURTHER PURSUING THE REASONING FOR THIS DESIGN FEATURE WITH THE VENDOR.

THIS LOSS OF SOURCE RANGE INSTRUMENTATION DID NOT VIOLATE TECHNICAL SPECIFICATION 3.9.2 SINCE THE REACTOR HEAD WAS IN PLACE AND NO CORE ALTERATIONS OR POSITIVE REACTIVITY CHANGES WERE IN PROGRESS.





**INDIANA & MICHIGAN POWER COMPANY**

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

*W. Latham*

March 4, 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

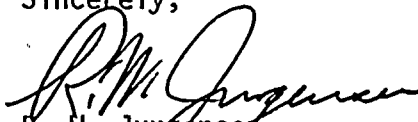
Operating License DPR-58  
Docket No. 50-315

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 50-315/77-08

Sincerely,

  
R. W. Jurgensen  
Plant Manager

RWJ/mj

cc: R. S. Hunter  
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G. E. Lien  
R. Kilburn  
R. J. Vollen BPI  
R. C. Callen MPSC  
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R. S. Keith  
Dir., IE (30 copies)  
Dir., MIPC (3 copies)

MAR 7 1977





# LICENSEE EVENT REPORT

CONTROL BLOCK: 1 6

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME <span style="border: 1px solid black; padding: 2px;">01</span> M I D C C 1	LICENSE NUMBER <span style="border: 1px solid black; padding: 2px;">00-000000-00</span>	LICENSE TYPE <span style="border: 1px solid black; padding: 2px;">41111</span>	EVENT TYPE <span style="border: 1px solid black; padding: 2px;">03</span>
CATEGORY <span style="border: 1px solid black; padding: 2px;">01</span> CONT	REPORT TYPE <span style="border: 1px solid black; padding: 2px;">L</span>	REPORT SOURCE <span style="border: 1px solid black; padding: 2px;">L</span>	DOCKET NUMBER <span style="border: 1px solid black; padding: 2px;">050-0315</span>
EVENT DATE <span style="border: 1px solid black; padding: 2px;">020777</span>		REPORT DATE <span style="border: 1px solid black; padding: 2px;">030477</span>	

**EVENT DESCRIPTION**

02 WHILE IN MODE 6 DURING THE PERFORMANCE OF A SURVEILLANCE TEST, POWER WAS LOST TO BOTH

03 SOURCE RANGE CHANNELS (N-31 AND N-32) FOR A PERIOD OF TWO MINUTES.

04

05

06 (R0-50-315/77- 08 )

SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
<span style="border: 1px solid black; padding: 2px;">07</span> I D	<span style="border: 1px solid black; padding: 2px;">D</span>	<span style="border: 1px solid black; padding: 2px;">I N S T R U</span>	<span style="border: 1px solid black; padding: 2px;">N</span>	<span style="border: 1px solid black; padding: 2px;">W 1 2 0</span>	<span style="border: 1px solid black; padding: 2px;">N</span>

**CAUSE DESCRIPTION**

08 INVESTIGATION REVEALED THAT DURING THE ECCS TIME RESPONSE TEST, THE CONDITION EXISTED IN

09 WHICH THE INPUT ERROR INHIBIT SWITCH WAS PUT IN THE INHIBIT POSITION ON THE LOGIC TEST.

10 PANEL FOR BOTH TRAINS A AND B. THIS RESULTED IN THE LOSS OF POWER (SEE SUPPLEMENT)

FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
<span style="border: 1px solid black; padding: 2px;">11</span> H	<span style="border: 1px solid black; padding: 2px;">000</span>	<span style="border: 1px solid black; padding: 2px;">NA</span>	<span style="border: 1px solid black; padding: 2px;">B</span>	<span style="border: 1px solid black; padding: 2px;">SURVEILLANCE TEST</span>

FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
<span style="border: 1px solid black; padding: 2px;">12</span> Z	<span style="border: 1px solid black; padding: 2px;">Z</span>	<span style="border: 1px solid black; padding: 2px;">NA</span>	<span style="border: 1px solid black; padding: 2px;">NA</span>

**PERSONNEL EXPOSURES**

NUMBER	TYPE	DESCRIPTION
<span style="border: 1px solid black; padding: 2px;">13</span> 000	<span style="border: 1px solid black; padding: 2px;">Z</span>	<span style="border: 1px solid black; padding: 2px;">NA</span>

**PERSONNEL INJURIES**

NUMBER	DESCRIPTION
<span style="border: 1px solid black; padding: 2px;">14</span> 000	<span style="border: 1px solid black; padding: 2px;">NA</span>

**PROBABLE CONSEQUENCES**

15 NA

**LOSS OR DAMAGE TO FACILITY**

TYPE	DESCRIPTION
<span style="border: 1px solid black; padding: 2px;">16</span> Z	<span style="border: 1px solid black; padding: 2px;">NA</span>

**PUBLICITY**

17 NA

**ADDITIONAL FACTORS**

18 NA

19 NA

NAME: J.L. RISCHLING

PHONE: (616)465-5901(368)

SUPPLEMENT TO REPORTABLE OCCURRENCE RO-50-315/77-08

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