REPORTABLE/ABNORMAL OCCURRENCES/INCIDENTS (LICENSING)

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 1146

FILE: INCIDENT FILE

FROM:	DATE OF DOC	DATE REC'D	LTR	TWX	RPT	OTHER
Indiana & Michigan Power Bridgman, Michigan R.W. Jurgensen	1-29-76	2-5-76	XXX			

TO:	ORIG	CC	OTHER	
J.G. Keppler	1 Signed	0		SENT NRC PDR XXX SENT LOCAL PDR XXX

CLASS	UNCLASS	PROP INFO	INPUT	NO CYS REC'D	DOCKET NO:
	XXX			1	50-315

DESCRIPTION:
Letter trans the following.....

ENCLOSURES:
Reportalbe Occurrence # 76-03, on 1-2-76, Concerning Damaged Containment Crane Wall...
(1 Copy Received) ACKNOWLEDGED
DO NOT REMOVE

PLANT NAME: Cook # 1

FOR ACTION/INFORMATION SAB 2-9-76

BRANCH CHIEF Kniel W/3

LIC. ASST. Service W/16 cys ACRS

INTERNAL DISTRIBUTION

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

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

EXTERNAL DISTRIBUTION

LOCAL PDR St. Joseph, Michigan
TIC
NSIC

DISTRIBUTION REVISED 1-19-76 by D. CRUTCHFIELD, TECH REVIEW COORDINATOR

Regulatory File Cy

American Electric Power System
INDIANA & MICHIGAN POWER COMPANY
DONALD C. COOK NUCLEAR PLANT
P.O. Box 458, Bridgman, Michigan 49106

January 29, 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 3, Section 2a 9c, the attached report is submitted:

RO 50-315/76-03

This event was discovered on January 2, 1976. It was verbally reported to RO: III Resident Inspector, Mr. K.R. Baker, on January 3, 1976. At the time of the verbal report we had determined that the formal written report would have been required to be submitted within 30 days of the occurrence of the event as required by Regulatory Guide 1.16, Revision 3, Section 2.b. Subsequent review of Regulatory Guide 1.16, Revision 3, Section 2a 9c revealed this report should have been submitted prior to January 16, 1976.

This report is late in being submitted due to our misinterpretation of the requirements of Regulatory Guide 1.16, Revision 3.

Sincerely,

R.W. Jurgensen
Plant Manager

/bab

1146

cc: R.S. Hunter
J.E. Dolan
G.E. Lien
R. Kilburn
R.J. Vollen BPI

FEB 2 1976

Continued...

R.C. 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 (30 copies)
Dir., MIPC (3 copies)

LICENSEE EVENT REPORT

CONTROL BLOCK: [ ] (1–6) [PLEASE PRINT ALL REQUIRED INFORMATION]

	LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
01	MICC1	00-00000-00	4111	01
(7–8, 9–14)		(15–25)	(26–30)	(31–32)

	CATEGORY	REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
01 CON'T		T	L	050-0315	010276	012976
(7–8)	(57–58)	(59)	(60)	(61–68)	(69–74)	(75–80)

EVENT DESCRIPTION

02 Hydraulic snubbers on the 14" main feedwater line to #4 Steam Generator inside the
03 containment crane wall were found to be damaged. The upper snubber on 1-FWS-10 was
04 found broken. Breakage occurred in the hydraulic fittings from the control valve
05 assembly to the cylinder end blocks. The control valve assembly on the lower
06 snubber for 1-FWS-10 was intact but the hydraulic tubing from (Continued on next pg)
Appendix A Tech. Specs. 3.4.10 and 4.4.10e (RO 50-315/76-03)

	SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
07	CH	E	HANGER	0	G255	N
(7–8, 9–10)	(11)	(12–17)	(43)	(44–47)	(48)	

CAUSE DESCRIPTION

08 An apparent water hammer in the feedwater line to #4 Steam Generator is the probable
09 cause of this problem. There have been no known water hammers on #4 Steam Generator
10 since the unit was returned to service on November 14, 1975. (Continued on next page)

	FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
11	G	000	NA	B	NA
(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
(7–8)	(9)	(10)	(11–44)	(45–80)

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION
13	000	Z	NA
(7–8)	(9–11)	(12)	(13–80)

PERSONNEL INJURIES

	NUMBER	DESCRIPTION
14	000	NA
(7–8)	(9–11)	(12–80)

PROBABLE CONSEQUENCES

15 NA

LOSS OR DAMAGE TO FACILITY

	TYPE	DESCRIPTION
16	Z	NA
(7–8)	(9)	(10–80)

PUBLICITY

17 NA

ADDITIONAL FACTORS

18 We are presently in the process of performing a dynamic analysis to determine the
19 piping movements that could occur in this system when subject to (Continued on next pg)

NAME: D. V. SHALLER PHONE: 616-465-5901

EVENT DESCRIPTION - Continued

the common reservoir for the two 1-FWS-10 snubbers was slightly bent. A third snubber at this location, 1-FWS-11 was found with the feedpipe from the reservoir to the control valve assembly snapped off at the reservoir.

The two 1-FWS-10 hydraulic snubbers were replaced with identical units and a replacement reservoir and feedpipe were installed on 1-FWS-11.

CAUSE DESCRIPTION - Continued

Prior to the November 14, 1975, startup, an extensive containment inspection was made which would have readily revealed the observed snubber damage had it occurred prior to that date. Inspection of the feedwater line from the steam generator to the containment wall penetration was performed. All welds were either dye penetrant or magnetic particle tested. Piping found in satisfactory condition.

ADDITIONAL FACTORS - Continued

water hammer shock loading.

REPORTABLE/ABNORMAL OCCURRENCES/INCIDENTS (LICENSING)

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 1036

FILE: INCIDENT FILE

FROM:	DATE OF DOC	DATE REC'D	LTR	TWX	RPT	OTHER
IND & MICH POWER COMPANY BRIDGMAN, MICH R W JURGENSEN	1-29-76	2-3-76	XXXXX			

TO:	ORIG	CC	OTHER	
MR J G KEPPLER		1		SENT NRC PDR xxx SENT LOCAL PDR xxx

CLASS	UNCLASS	PROP INFO	INPUT	NO CYS REC'D	DOCKET NO:
	XXXXXX			1	50-315

DESCRIPTION:

LTR TRANS THE FOLLOWING.....

ENCLOSURES:

LICENSE EVENT REPORT RO-50-315/76-03
ON 1-2-76 RE DAMAGE HYDRAULIC SNUBBERS
ON MAIN WATERFEED TO #4 SG.....

(1 CY OF ENCL REC'D(

DO NOT REMOVE

PLANT NAME: BRUNSWICK UNIT 2

ACKNOWLEDGED

FOR ACTION/INFORMATION RKB 2-4-76

BRANCH CHIEF PURPLE (3)

LIC. ASST. SHEPPARD W/16 cys ACRS

INTERNAL DISTRIBUTION

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

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

EXTERNAL DISTRIBUTION

LOCAL PDR SOUTHPORT, NC
TIC
NSIC

DISTRIBUTION REVISED 1-19-76 by D. CRUTCHFIELD, TECH REVIEW COORDINATOR

(26) (12)

American Electric Power System
INDIANA & MICHIGAN POWER COMPANY
DONALD C. COOK NUCLEAR PLANT
P.O. Box 458, Bridgman, Michigan 49106

January 29, 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

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Sincerely,

R.W. Jurgensen
Plant Manager

/bab

cc: R.S. Hunter
J.E. Dolan
G.E. Lien
R. Kilburn
R.J. Vollen BPI

1036

Continued...

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PNSRC
R.S. Keith
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LICENSEE EVENT REPORT

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EVENT DESCRIPTION

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CAUSE DESCRIPTION

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11	G	000	NA	B	NA

	FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
12	Z	Z	NA	NA

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION
13	000	Z	NA

PERSONNEL INJURIES

	NUMBER	DESCRIPTION
14	000	NA

PROBABLE CONSEQUENCES

15 NA

LOSS OR DAMAGE TO FACILITY

	TYPE	DESCRIPTION
16	Z	NA

PUBLICITY

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ADDITIONAL FACTORS

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NAME: D. V. SMALLER PHONE: 616-465-5901

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CAUSE DESCRIPTION - Continued

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