

50-315

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER
INCIDENT REPORT

TO:

Mr. J. G. Keppler

FROM:

Indiana & Michigan Pwr. Company
Bridgman, Michigan
R. W. Jurgensen

DATE OF DOCUMENT

6/1/77

DATE RECEIVED

6/15/77

☒ LETTER
☒ ORIGINAL
☐ COPY☐ NOTORIZED
☒ UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

1516450

DESCRIPTION

PLANT NAME:

Cook Unit No. 1

(1-P)

RJL 6/16/77

ENCLOSURE

Licensee Event Report (RO 50-315/77-20) on
5/17/77 concerning the East Centrifugal,
Charging Pump shaft breaking between the
third & fourth stage impellers.....NOTE: IF PERSONNEL EXPOSURE IS INVOLVED
SEND DIRECTLY TO KREGER/J. COLLINS

FOR ACTION/INFORMATION

BRANCH CHIEF:

Davis

W/3 CYS FOR ACTION

LIC. ASST.:

Diss

W/ CYS

ACKS 16 CYS HOLDING/SENT

As CPT B

INTERNAL DISTRIBUTION

☒ REG FILE

NRC PDR

I & E (2)

MIPC

SCHROEDER/IPPOLITO

HOUSTON

NOVAK/CHECK

GRIMES

BUTLER

HANAUER

TEDESCO/MACCARY

EISENHUT

BAER

SHAO

VOLLMER/BUNGH

KREGER/J. COLLINS

EXTERNAL DISTRIBUTION

LPDR: St Joseph M

TIC:

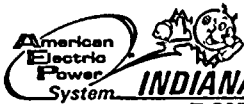
NSIC:

CONTROL NUMBER

A0 4

771670072

D. LANKHAM



INDIANA & MICHIGAN POWER COMPANY

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

REGULATORY DOCKET FILE COPY

June 1, 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

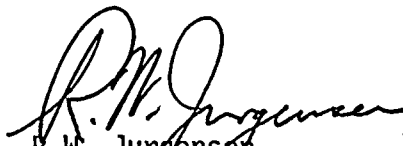
Operating License DPR-58
Docket No. 50-315

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:

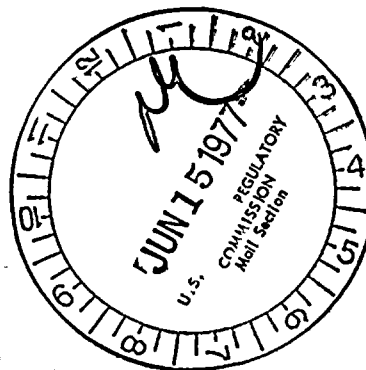
RO 50-315/77-20.

Sincerely,


R.W. Jurgensen
Plant Manager

/bab

cc: R.S. Hunter
J.E. Dolan
G.E. Lien
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
R.S. Keith
Dir., IE (30 copies)
Dir., MIPC (3 copies)



JUN 6 1977

771670072

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 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	4	1	1	1	1	0	3									
7	8	9				14	15										25	26					31	32									
01		CONT		CATEGORY		REPORT TYPE		REPORT SOURCE		DOCKET NUMBER								EVENT DATE						REPORT DATE									
01							L	L		0	5	0	-	0	3	1	5	0	5	1	7	7	7	0	6	0	1	7	7				
7	8					57	58	59	60	61						68	69						74	75					80				

EVENT DESCRIPTION

02	During normal operation, the East Centrifugal Charging Pump shaft broke between the																									80
03	third and fourth stage impellers. The pump was disassembled. The complete rotating																									80
04	assembly was replaced in kind. The pump was reassembled, tested and returned to																									80
05	operation.																									80
06	(R0 50-315/77-20)																									80

SYSTEM CODE		CAUSE CODE		COMPONENT CODE				PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER				VIOLATION	
07	P	C	E	P	U	M	P	X	X	N	P	0	2	5	N
7	8	9	10	11	12				17	43	44			47	48

CAUSE DESCRIPTION

08	The break appeared to be a fatigue failure. The broken pieces are being returned to																									80
09	the NSSS supplier to be analyzed. This is the second occurrence of this type. Similar																									80
10	failure of the West pump was reported 5/12/77 as R/O #77-19.																									80

FACILITY STATUS		% POWER		OTHER STATUS				METHOD OF DISCOVERY		DISCOVERY DESCRIPTION										
11	E						N/A	b		N/A										
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					N/A			N/A										
7	8	9	10	11				44	45		80									

PERSONNEL EXPOSURES

NUMBER		TYPE		DESCRIPTION											
13	0	0	0	Z	N/A										
7	8	9	11	12	13	80									

PERSONNEL INJURIES

NUMBER		DESCRIPTION												
14	0	0	0	N/A										
7	8	9	11	12	80									

OFFSITE CONSEQUENCES

15	N/A																									80
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LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION											
16	Z	N/A											
7	8	9	10	80									

PUBLICITY

17	N/A																									80
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ADDITIONAL FACTORS

18	N/A																									80
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19																										80
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NAME: D. G. Wizner

PHONE: (616) 465-5901

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