

A 06/26/78

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)  
DISTRIBUTION FOR INCOMING MATERIAL 50-316

REC: KEPPLER J G  
NRC

ORG: SHALLER D V  
IN & MI PWR

DOC DATE: 06/19/78  
DATE RCVD: 06/23/78

DOCTYPE: LETTER NOTARIZED: NO  
SUBJECT:

COPIES RECEIVED  
LTR 1 ENCL 1

FORWARDING LICENSEE EVENT REPT (RO 50-316/78-034) ON 05/19/78 CONCERNING  
WHILE IN MODE 1 OPERATION REACTOR COOLANT SYSTEM UNIDENTIFIED LEAKAGE  
EXCEEDED TECH SPEC 3. 4. 6. 2. B LIMIT... W/ATT.

PLANT NAME: COOK - UNIT 2

REVIEWER INITIAL: XJM  
DISTRIBUTOR INITIAL: N

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

NOTES:

- 1. SEND 3 COPIES OF ALL MATERIAL TO I&E  
ED REEVES-1 CY ALL MATERIAL

INCIDENT REPORTS  
(DISTRIBUTION CODE A002)

FOR ACTION: BR CHIEF LWR#2 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  
TIC\*\*W/ENCL  
NSIC\*\*W/ENCL  
ACRS CAT B\*\*W/16 ENCL

Ab/Occ. 24

DISTRIBUTION: LTR 45 ENCL 45  
SIZE: 1P+1P+1P

CONTROL NBR: 781770010

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

60

~~NRC-3051305-011~~

UNITED STATES NUCLEAR REGULATORY  
PDR SPECIAL WEEKLY LIS

~~06/01/78 - 06/09/78~~

FILE LEVELS

DOC. DATE

STN-50-568 NEW ENGLAND POWER COMPANY NEP #1

50

06/07/78

ACCESSION NBR: 77341-0153

TASK NB

568

DOCUMENT TYPE: MEMO

FICHE N

C

DOCUMENT SIZE: 1P

NOTARIZ

DOCKET DATE:

LPDR:

REPORT NBR:

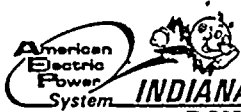
RECP: VASSALLO D

RECP

ORG: TEDESCO R

ORG A

SUBJECT: REV. 1 TO THE DRAFT SAFETY EV



**INDIANA & MICHIGAN POWER COMPANY**

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

REGULATORY DOCKET FILE COPY

US NRC  
DISTRIBUTION SERVICES  
BRANCH

JUN 23 PM 12 10

RECEIVED DISTRIBUTION  
SERVICES UNIT

June 19, 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

Operating License DPR-74  
Docket No. 50-316

Dear Mr. Keppler:

Pursuant to the requirements of the Appendix A Technical Specifications  
the following report is submitted:

RO 78-034/03L-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.
- G. Charnoff, Esq.
- R. Walsh, Esq.
- G. Olson
- J.M. Hennigan
- PNSRC
- J.F. Stietzel
- Dir., IE (30 copies)
- Dir., MIPC (3 copies)

781770010

A002  
5/11

# LICENSEE EVENT REPORT

CONTROL BLOCK: \_\_\_\_\_ (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0 1 | M I D C C | 2 | 0 0 0 0 0 0 0 0 0 0 0 0 | 3 | 4 | 1 | 1 | 1 | 1 | 4 | 5

CON'T  
0 1 | L | 6 | 0 5 0 0 0 3 1 1 6 | 7 | 0 5 1 9 7 8 | 8 | 0 6 1 9 7 8 | 9

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | WHILE IN MODE 1 OPERATION REACTOR COOLANT SYSTEM UNIDENTIFIED LEAKAGE EX  
0 3 | CEEDED TECH. SPEC. 3.4.6.2.b LIMIT. UNIT WAS STARTED DOWN 4 1/2 HOURS AFTER  
0 4 | DISCOVERY BUT WAS RETURNED TO ORIGINAL LOADING WHEN LEAKAGE INDICATED WI  
0 5 | THIN LIMITS. LEAKAGE EXCEEDED LIMITS THE SECOND TIME. THE UNIT WAS STARTED  
0 6 | DOWN 4 HOURS AFTER DISCOVERY AND REMOVED FROM SERVICE 2 1/2 HOURS LATER. THE  
0 7 | REACTOR WAS COOLED DOWN TO MODE 5 IN THE NEXT 17 HOURS.

0 9 | C | E | 11 | E | 12 | X | 13 | V | A | L | V | E | X | 14 | E | 15 | D | 16

17 | LER/RO REPORT NUMBER | 7 8 | EVENT YEAR | 7 8 | SHUTDOWN METHOD | A | 21 | HOURS | 0 2 8 7 | 22 | ATTACHMENT SUBMITTED | Y | 23 | NPRD-4 FORM SUB. | Y | 24 | PRIME COMP. SUPPLIER | N | 25 | COMPONENT MANUFACTURER | A 5 A 5 | 26

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | ISOLATION VALVE BETWEEN RCS AND RHR FOUND TO HAVE EXCESSIVE STEM LEAKOFF  
1 1 | AND PACKING LEAKAGE. VALVE REPACKED AND STEM LEAKOFF ELIMINATED. RCS RETIUR  
1 2 | NED TO OPERATING PRESS. AND TEMP. AND LEAKAGE WAS STILL EXCESSIVE. SAFETY  
1 3 | VALVE ON FAILED FUEL DETECTOR FOUND LEAKING THROUGH. SAFETY VALVE REPLACE  
1 4 | D AND LEAKAGE WAS REDUCED TO NORMAL

1 5 | E | 28 | 0 8 0 | 29 | NA | 30 | B | 31 | ROUTINE SURVEILLANCE | 32

1 6 | Z | 33 | Z | 34 | NA | 35 | LOCATION OF RELEASE | 36

1 7 | 0 0 0 | 37 | - | 38 | NA | 39

1 8 | 0 0 0 | 40 | NA | 41

1 9 | Z | 42 | NA | 43

2 0 | N | 44 | NA | 45

NRC USE ONLY

NAME OF PREPARER R. S. Keith

PHONE: (616) 465-5901

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS

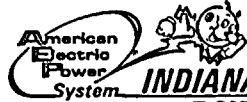
INITIAL INSPECTION FOUND EXCESSIVE LEAKAGE FROM THE PACKING OF THE ISOLATION VALVE BETWEEN THE REACTOR COOLANT SYSTEM AND THE RESIDUAL HEAT REMOVAL SYSTEM. THE PACKING BOX OF THIS VALVE WAS ALSO EQUIPPED WITH A STEAM LEAKOFF PIPED TO THE REACTOR COOLANT DRAIN TANK. THIS VALVE IS A 14" TWIN DISK GATE MANUFACTURED BY COPES VULCAN WITH A 2500 PSIG RATING. THE VALVE WAS REPACKED AND THE STEAM LEAKOFF WAS DISCONNECTED AND TERMINATED IN BOTH DIRECTIONS.

WHEN THE REACTOR COOLANT SYSTEM WAS RETURNED TO OPERATING PRESSURE AND TEMPERATURE THE LEAKAGE RATE WAS STILL IN EXCESS OF ALLOWABLE LIMITS.

A 75 PSIG SET SAFETY VALVE IN THE FAILED FUEL DETECTOR SYSTEM WAS FOUND TO BE LEAKING THROUGH. THIS FINDING WAS 4 3/4 HOURS AFTER THE LEAK RATE BECAME KNOWN. THE SAFETY VALVE WAS ISOLATED AND THE LEAKAGE RATE REDUCED TO NORMAL.

THIS SAFETY VALVE IS A 1/2" INLINE MANUFACTURED BY NUPROCO. MODEL # 4A SS 8 CPA2-50. IT WAS REPLACED BY A DUPLICATE. THE FAILED VALVE WAS NOT DISASSEMBLED TO DETERMINE FAILURE DUE TO HIGH CONTAMINATION.

D. Sanham  
FILE



**INDIANA & MICHIGAN POWER COMPANY**

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

June 19, 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

Operating License DPR-74  
Docket No. 50-316

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the following report is submitted:

RO 78-034/03L-0.

Sincerely,

D.V. Shaller  
Plant Manager

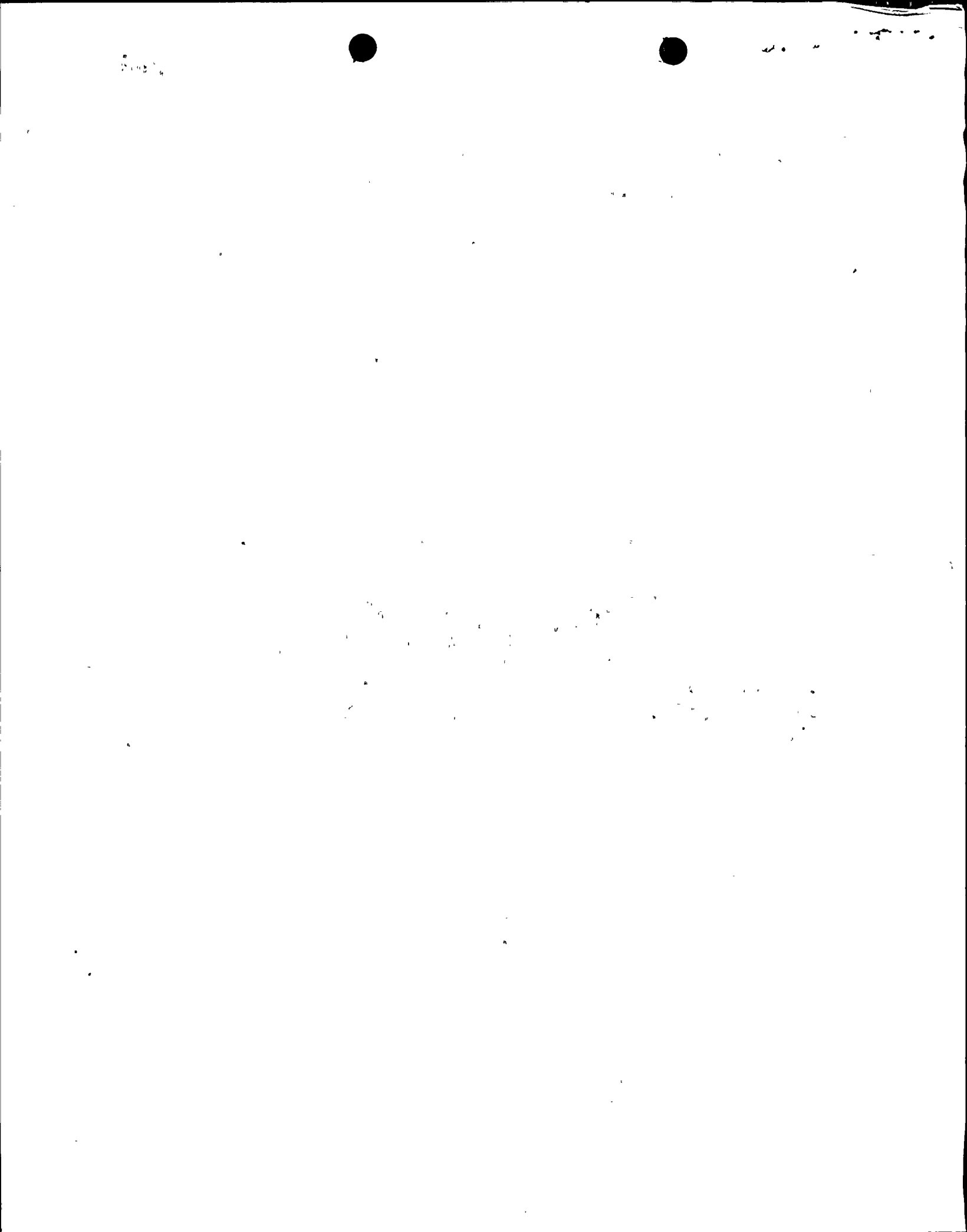
/bab

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Dir., IE (30 copies)  
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A/O 4

JUN 21 1978

GP



# LICENSEE EVENT REPORT

CONTROL BLOCK:        (1)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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

0	1	L	6	0	5	0	0	0	3	1	6	7	0	5	1	9	7	8	8	0	6	1	9	7	8	9
7	8	REPORT SOURCE		60	61	DOCKET NUMBER						68	69	EVENT DATE					74	75	REPORT DATE					80

### EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | WHILE IN MODE 1 OPERATION REACTOR COOLANT SYSTEM UNIDENTIFIED LEAKAGE EX

0 3 | CEEDED TECH. SPEC. 3.4.6.2.b LIMIT. UNIT WAS STARTED DOWN 4½ HOURS AFTER

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0	9	C	E	11	E	12	X	13	V	A	L	V	E	X	14	E	15	D	16		
7	8	SYSTEM CODE		9	10	CAUSE CODE	11	12	CAUSE SUBCODE	12	COMPONENT CODE				13	18	COMP. SUBCODE	19	20	VALVE SUBCODE	20

17	LER/RO REPORT NUMBER	21	7	22	8	23	—	24	0	26	3	27	—	28	0	29	3	30	—	31	—	32	0												
EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.																											
18	A	19	Z	20	A	21	A	22	0	23	2	24	8	25	7	26	7	27	Y	28	Y	29	N	30	A	31	5	32	A	33	5	34	5	35	26
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPR-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER																			

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1	5	E	28	0	8	0	29	NA	30	B	31	ROUTINE SURVEILLANCE	32							
7	8	FACILITY STATUS		9	% POWER			10	13	OTHER STATUS	44	METHOD OF DISCOVERY			45	DISCOVERY DESCRIPTION			46	80

1	6	Z	33	Z	34	NA	35	36									
7	8	ACTIVITY CONTENT		9	RELEASED OF RELEASE		10	AMOUNT OF ACTIVITY		11	LOCATION OF RELEASE					12	80

1	7	0	0	0	37	38	NA	39									
7	8	PERSONNEL EXPOSURES		9	NUMBER		10	TYPE		11	DESCRIPTION					12	80

1	8	0	0	0	40	41	NA							
7	8	PERSONNEL INJURIES		9	NUMBER		10	DESCRIPTION					11	80

1	9	Z	42	43							
7	8	LOSS OF OR DAMAGE TO FACILITY		9	TYPE DESCRIPTION					10	80

2	0	N	44	45	NRC USE ONLY																					
7	8	PUBLICITY ISSUED		9	DESCRIPTION					10																80

NAME OF PREPARER R. S. Keith

PHONE: (616) 465-5901



(1111)

RECEIVED THE NATIONAL ARCHIVES

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11-11-11

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