

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER
INCIDENT REPORT

TO: J. G. KEPPLER

FROM: INDIANA & MICHIGAN POWER CO.
BRIDGMAN, MICHIGAN
R.W. JURGENSEN

DATE OF DOCUMENT
10-26-76

DATE RECEIVED
10-20-76

LETTER
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PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

30

DESCRIPTION

LTR. TRANS THE FOLLOWING.....

ACKNOWLEDGED

DO NOT REMOVE

PLANT NAME: COOK # 1

ENCLOSURE

LICENSEE EVENT REPORT # 76-44, ON 9-28-76
CONCERNING ROD F-6 OF BANK BEING FOUND INDICATING
13 STEPS BELOW DEMAND INDICATION
LICENSEE EVENT REPORT # 76-45, ON 10-1-76
CONCERNING 1 THP 4030 STP.205 HAVING NINE TEMPORARY
CHANGE SHEETS WHICH ALSO VIOLATED THE TECH.
SPEC.....

(30 CARBON SIGNED CYS. RECEIVED)
(5 PAGES)

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

FOR ACTION/INFORMATION

SAB 10-30-76

<input checked="" type="checkbox"/> BRANCH CHIEF:	ZIEMANN
<input type="checkbox"/> W/3 CYS FOR ACTION	
<input checked="" type="checkbox"/> LIC. ASST.:	DIGGS
<input type="checkbox"/> W/ CYS	
<input checked="" type="checkbox"/> ACRS16 CYS XXXXXXXX /SENT TO IA	

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"/> TRINISCO/MACCARY				
<input checked="" type="checkbox"/> RISNIOT				
<input checked="" type="checkbox"/> PAIR				
<input checked="" type="checkbox"/> SHAO				
<input checked="" type="checkbox"/> VOLLMER/FINCH				
<input checked="" type="checkbox"/> KREGER/J. COLLINS				

EXTERNAL DISTRIBUTION

CONTROL NUMBER

<input checked="" type="checkbox"/> PDR: ST. JOSEPH, MI.			
<input checked="" type="checkbox"/> PIC:			
<input checked="" type="checkbox"/> NJIC:			

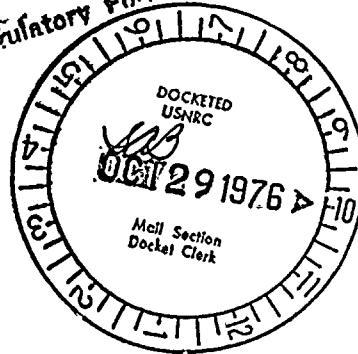
10959



INDIANA & MICHIGAN POWER COMPANY

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

Regulatory Form File No.



October 26, 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 4, Section 2.b; the following reports are submitted:

- RO 50-315/76-44
- RO 50-315/76-45.

Sincerely,

cc R.W. Jurgensen
Plant Manager

/bab

- cc: J.E. Dolan
- R.S. Hunter
- G.E. Lien
- R. Kilburn
- R.J. Vollen BPI
- R.C. Callen MPSC
- K.R. Baker RO:III
- R. Walsh, Esq.
- P.W. Stekete, Esq.
- G. Charnoff, Esq.
- G. Olson
- J.M. Hennigan
- PNSRC
- R.S. Keith
- Dir., IE (30 copies)
- Dir., MIPC (3 copies)



10959

CONTROL BLOCK: 1 6

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME: M I D C C 1 | LICENSE NUMBER: 0 0 - 0 0 0 0 0 0 - 0 0 | LICENSE TYPE: 4 1 1 1 1 | EVENT TYPE: 0 3

CONT: 0 1 | CATEGORY: | REPORT TYPE: L | REPORT SOURCE: L | DOCKET NUMBER: 0 5 | 0 - 0 3 1 5 | EVENT DATE: 0 9 | 2 8 7 6 | REPORT DATE: 1 0 | 2 6 7 6

EVENT DESCRIPTION

02 | WHILE IN MODE 1, AT 100 PERCENT POWER, ROD F-6 OF BANK "D" WAS FOUND INDICATING 13
03 | STEPS BELOW DEMAND INDICATION.
04 |
05 |
06 | (RO-50-315/76-44)

SYSTEM CODE: I E | CAUSE CODE: E | COMPONENT CODE: I N S T R U | PRIME COMPONENT SUPPLIER: N | COMPONENT MANUFACTURER: W 1 2 0 | VIOLATION: N

CAUSE DESCRIPTION

08 | WITHIN ONE HOUR, THE OPERATIONAL AMPLIFIER SUPPLYING THE PANEL INDICATORS WAS REALIGNED
09 | FOR PROPER INDICATION. THE INTEGRATED CIRCUIT DRIFT WAS BELIEVED TO HAVE BEEN CAUSED
10 | BY A CHANGE IN AMBIENT TEMPERATURE. THE NEXT DAY, THIS POSITION (SEE SUPPLEMENT)

FACILITY STATUS: E | % POWER: 1 0 0 | OTHER STATUS: NA | METHOD OF DISCOVERY: B | DISCOVERY DESCRIPTION: SURVEILLANCE TEST

FORM OF ACTIVITY RELEASED: Z | CONTENT OF RELEASE: Z | AMOUNT OF ACTIVITY: NA | LOCATION OF RELEASE: NA

PERSONNEL EXPOSURES

13 | NUMBER: 0 0 0 | TYPE: | DESCRIPTION: NA

PERSONNEL INJURIES

14 | NUMBER: 0 0 0 | DESCRIPTION: NA

PROBABLE CONSEQUENCES

15 | NA

LOSS OR DAMAGE TO FACILITY

16 | TYPE: Z | DESCRIPTION: NA

PUBLICITY

17 | NA

ADDITIONAL FACTORS

18 | NA

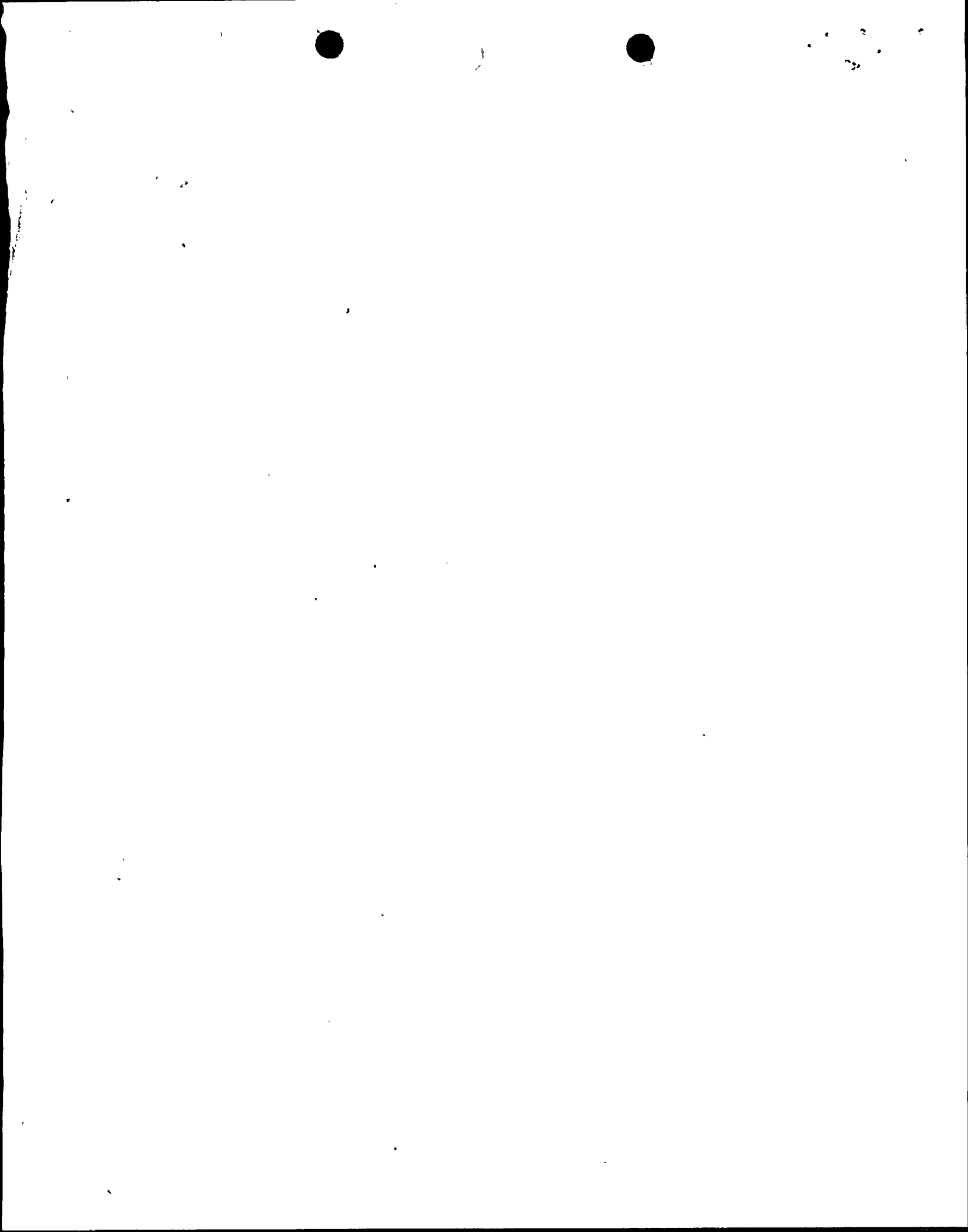
19 | NA

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

SUPPLEMENT TO REPORTABLE OCCURRENCE RO-050-315/76-44

SUPPLEMENT TO CAUSE DESCRIPTION

INDICATION AGAIN SHIFTED AND WAS REALIGNED AND OPERABLE WITHIN ONE HOUR.
AN INTEGRATED CIRCUIT, MANUFACTURED BY RCA, MODEL NO. LM-301, WAS REPLACED
AND REALIGNED FOR PROPER OUTPUT. ROD F-6 INDICATION IS NOW FUNCTIONING
PROPERLY.



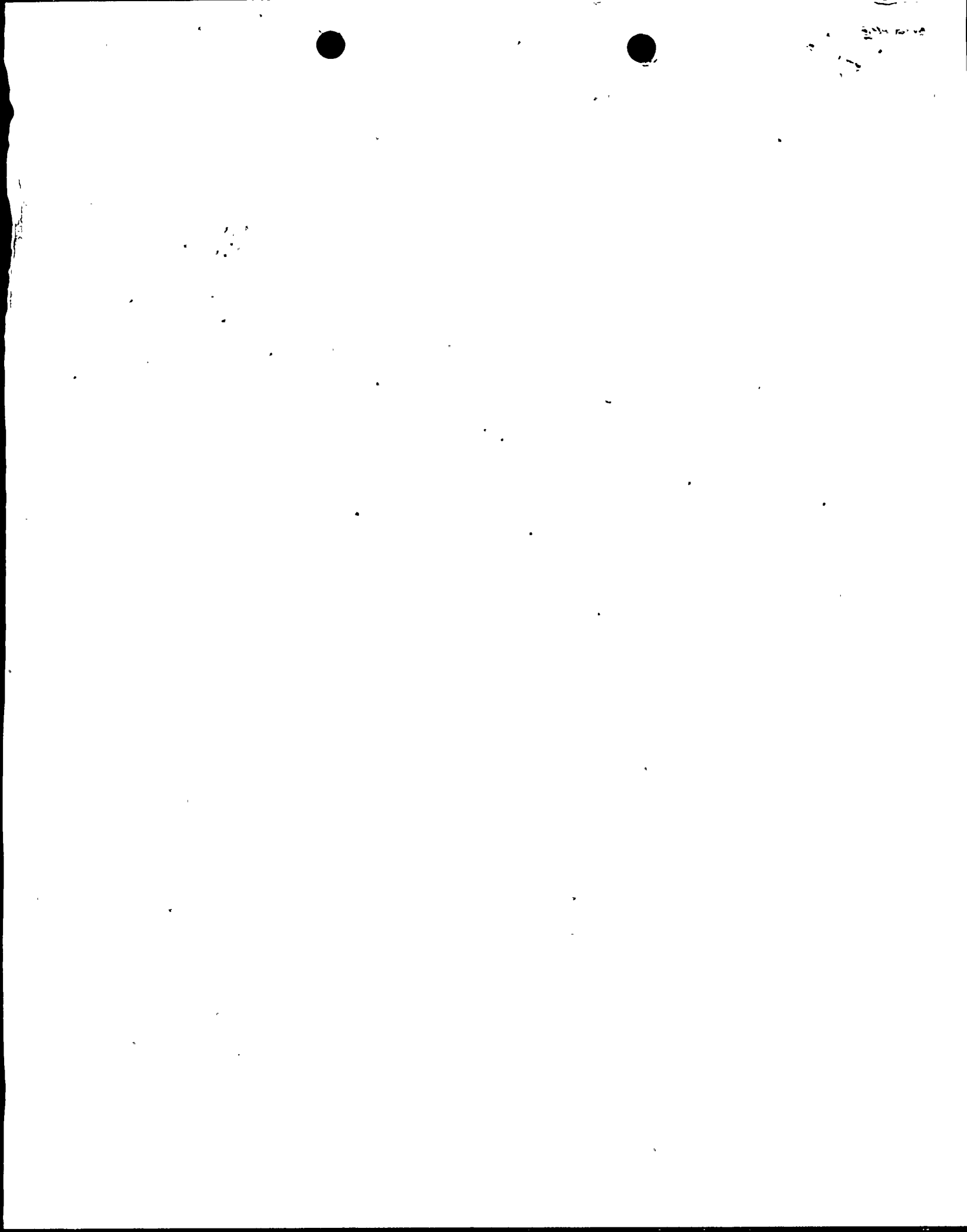
SUPPLEMENT TO EVENT DESCRIPTION

1 THP 4030 STP.205 HAD NINE TEMPORARY CHANGE SHEETS WHICH ALSO VIOLATED THIS TECHNICAL SPECIFICATION.

SUPPLEMENT TO CAUSE DESCRIPTION

RESPONSIBLE ENGINEER FOR THIS TEST, AND FIVE OTHERS WERE INITIATED BY ANOTHER ENGINEER ASSISTING IN THE PERFORMANCE OF THIS TEST. THE ASSISTANT SUBMITTED HIS TEMPORARY CHANGE SHEETS TO THE RESPONSIBLE ENGINEER. THE RESPONSIBLE ENGINEER FAILED TO SUBMIT THE TEMPORARY CHANGE SHEETS FOR PNSRC REVIEW WITHIN THE PROPER TIME SPAN.

TO PREVENT RECURRENCE, THE PERFORMANCE SECTION HEAD WILL SIGN AS MANAGEMENT STAFF ALL TEMPORARY CHANGE SHEETS INITIATED BY THE PERFORMANCE SECTION. THE SECTION HEAD HAS ALSO INITIATED A CROSS-CHECK SYSTEM TO INSURE THAT TEMPORARY CHANGE SHEETS ARE REVIEWED BY PNSRC AND THE PLANT MANAGER WITHIN FOURTEEN DAYS. ALL PERFORMANCE PERSONNEL HAVE RECEIVED TRAINING IN THE INITIATION AND PROCESSING OF TEMPORARY CHANGE SHEETS. THEY ALSO REVIEWED THE DEPARTMENTAL PROCEDURES GOVERNING TEMPORARY CHANGE SHEETS.





INDIANA & MICHIGAN POWER COMPANY

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

H. Laidman

October 26, 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 4, Section 2.b, the following reports are submitted:

RO 50-315/76-44
RO 50-315/76-45.

Sincerely,

Gr R.W. Jurgensen
Plant Manager

/bab

cc: J.E. Dolan
R.S. Hunter
G.E. Lien
R. Kilburn
R.J. Vollen BPI
R.C. Callen MPSC
K.R. Baker RO:III
R. Walsh, Esq.
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G. Charnoff, Esq.
G. Olson
J.M. Hennigan
PNSRC
R.S. Keith
Dir., IE (30 copies)
Dir., MIPC (3 copies)

OCT 29 1976

LICENSEE EVENT REPORT

CONTROL BLOCK:

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[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME 01 M I D C C 1			LICENSE NUMBER 0 0 - 0 0 0 0 0 - 0 0						LICENSE TYPE 4 1 1 1 1			EVENT TYPE 0 3	
CATEGORY CON'T			REPORT TYPE L	REPORT SOURCE L	DOCKET NUMBER 0 5 0 - 0 3 1 5			EVENT DATE 9 2 8 7 6			REPORT DATE 1 0 2 6 7 6		

EVENT DESCRIPTION

02	WHILE IN MODE 1, AT 100 PERCENT POWER, ROD F-6 OF BANK "D" WAS FOUND INDICATING 13	80
03	STEPS BELOW DEMAND INDICATION.	80
04		80
05		80
06		80

(RO-50-315/76-44)

SYSTEM CODE 07 I E	CAUSE CODE E	COMPONENT CODE I N S T R U	PRIME COMPONENT SUPPLIER N	COMPONENT MANUFACTURER W 1 2 0	VIOLATION N
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CAUSE DESCRIPTION

08	WITHIN ONE HOUR, THE OPERATIONAL AMPLIFIER SUPPLYING THE PANEL INDICATORS WAS REALIGNED	80
09	FOR PROPER INDICATION. THE INTEGRATED CIRCUIT DRIFT WAS BELIEVED TO HAVE BEEN CAUSED	80
10	BY A CHANGE IN AMBIENT TEMPERATURE. THE NEXT DAY, THIS POSITION (SEE SUPPLEMENT)	80

FACILITY STATUS 11 E	% POWER 1 0 0	OTHER STATUS NA	METHOD OF DISCOVERY B	DISCOVERY DESCRIPTION SURVEILLANCE TEST
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FORM OF ACTIVITY RELEASED 12 Z	CONTENT OF RELEASE Z	AMOUNT OF ACTIVITY NA	LOCATION OF RELEASE NA
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PERSONNEL EXPOSURES

NUMBER 13 0 0 0	TYPE Z	DESCRIPTION NA
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PERSONNEL INJURIES

NUMBER 14 0 0 0	DESCRIPTION NA
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PROBABEE CONSEQUENCES

15 NA

LOSS OR DAMAGE TO FACILITY

TYPE 16 Z	DESCRIPTION NA
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PUBLICITY

17 NA

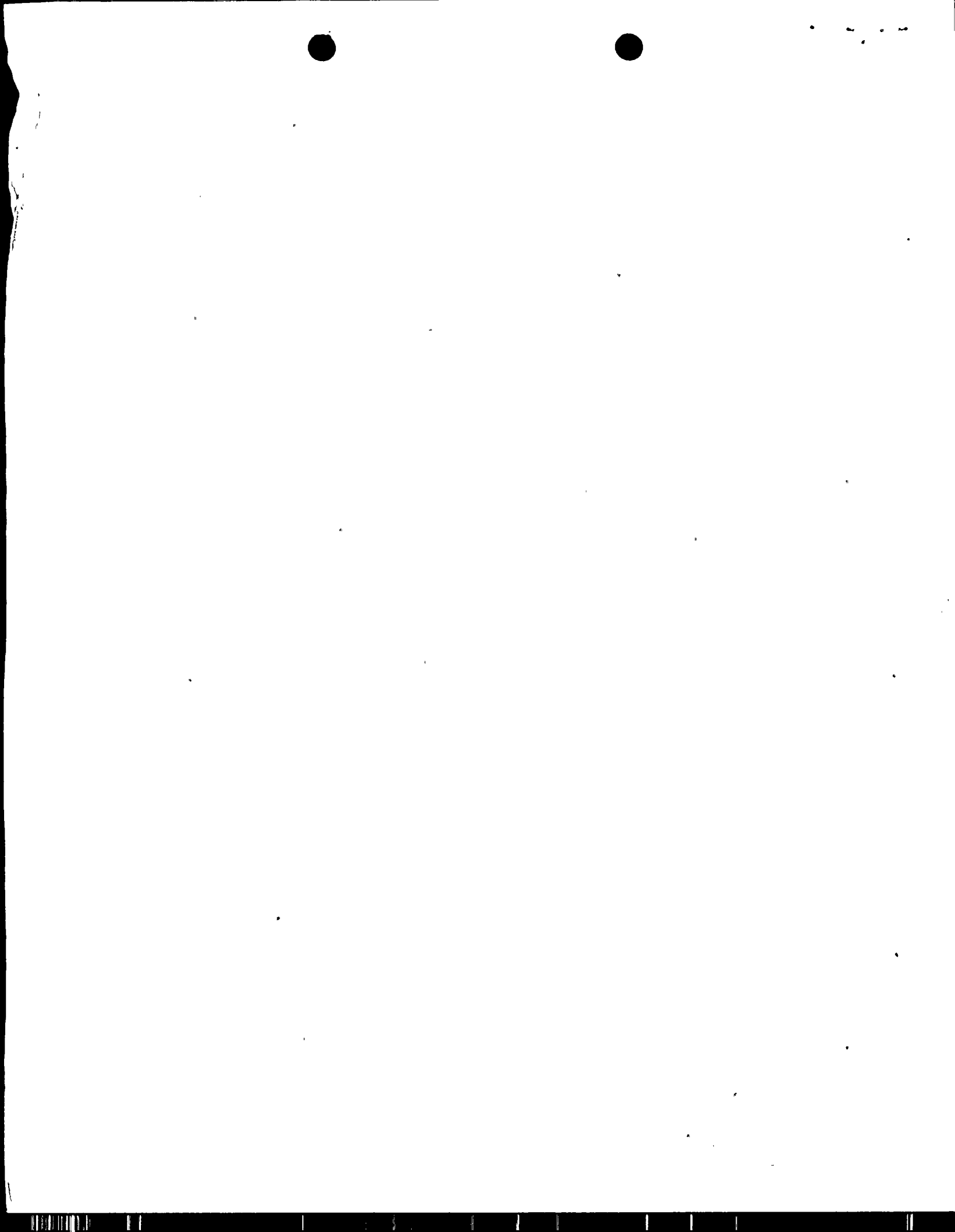
ADDITIONAL FACTORS

18 NA

19 NA

NAME: J. L. RISCHLING

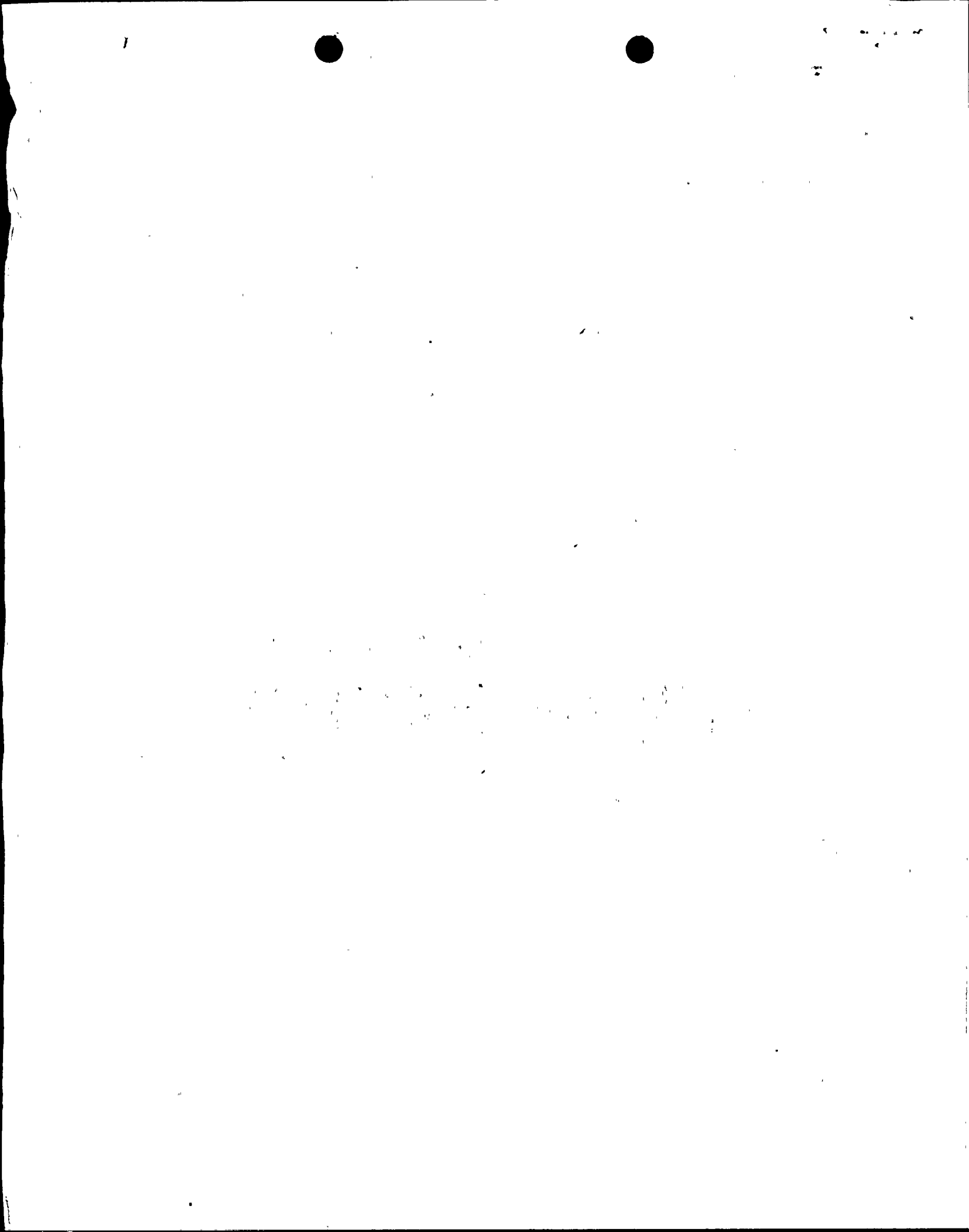
PHONE: (616) 465-5901 (368)



SUPPLEMENT TO REPORTABLE OCCURRENCE RO-050-315/76-44

SUPPLEMENT TO CAUSE DESCRIPTION

INDICATION AGAIN SHIFTED AND WAS REALIGNED AND OPERABLE WITHIN ONE HOUR.
AN INTEGRATED CIRCUIT, MANUFACTURED BY RCA, MODEL NO. LM-301, WAS REPLACED
AND REALIGNED FOR PROPER OUTPUT. ROD F-6 INDICATION IS NOW FUNCTIONING
PROPERLY.



LICENSEE EVENT REPORT

CONTROL BLOCK: [] [] [] [] [] []
1 6

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME 01 M I D C C 1 7 8 9 14						LICENSE NUMBER 00 - 000000 - 00 15 25						LICENSE TYPE 4 1 1 1 1 26 30			EVENT TYPE 0 3 31 32	
CATEGORY 01 CONT 7 8		REPORT TYPE L 57 58		REPORT SOURCE L 59 60		DOCKET NUMBER 050 - 0315 61 68			EVENT DATE 100176 69 74			REPORT DATE 102676 75 80				

EVENT DESCRIPTION

02 WHILE IN MODE 1 AT 100 PERCENT POWER, A REVIEW OF THE PERFORMANCE SECTION PROCEDURES
7 8 9 80

03 INDICATED THERE WERE THREE TEMPORARY CHANGE SHEETS INSTITUTED ON 6/14/76 (PROCEDURE NO.
7 8 9 80

04 THP 6040 PER.044). THESE WERE NOT APPROVED BY PNSRC AND THE PLANT MANAGER UNTIL 6/29/76.
7 8 9 80

05 THIS VIOLATED TECHNICAL SPECIFICATION 6.8.3.C. AN IMMEDIATE REVIEW OF ALL TECHNICAL
7 8 9 80

06 DEPARTMENT PROCEDURES REVEALED THAT PROCEDURE NUMBER (SEE SUPPLEMENT)(RO-50-315/76-45)
7 8 9 80

SYSTEM CODE Z Z 7 8 9 10		CAUSE CODE A 11		COMPONENT CODE Z Z Z Z Z Z 12 17			PRIME COMPONENT SUPPLIER Z 43		COMPONENT MANUFACTURER Z 9 9 9 44 47			VIOLATION Y 48	
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CAUSE DESCRIPTION

08 THE ENGINEER WHO INITIATED THE TEMPORARY CHANGE SHEETS TO THP 6040 PER.044 WAS UNAWARE
7 8 9 80

09 OF THE 14 DAY REQUIREMENT AT THAT TIME. OF THE NINE TEMPORARY CHANGE SHEETS TO
7 8 9 80

10 PROCEDURE 1 THP 4030 STP.205, FOUR WERE INITIATED BY THE (SEE SUPPLEMENT)
7 8 9 80

FACILITY STATUS E 7 8 9		% POWER 1 0 0 10 12		OTHER STATUS NA 13		METHOD OF DISCOVERY B 44 45		DISCOVERY DESCRIPTION PROCEDURE REVIEW 46 80		
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FORM OF ACTIVITY RELEASED Z 7 8 9		CONTENT OF RELEASE Z 10		AMOUNT OF ACTIVITY NA 11 44			LOCATION OF RELEASE NA 45 80		
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PERSONNEL EXPOSURES

NUMBER 0 0 0 7 8 9 11		TYPE Z 12		DESCRIPTION NA 13 80	
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PERSONNEL INJURIES

NUMBER 0 0 0 7 8 9 11		DESCRIPTION NA 12 80	
-----------------------------	--	----------------------------	--

PROBABLE CONSEQUENCES

15 NA
7 8 9 80

LOSS OR DAMAGE TO FACILITY

TYPE Z 7 8 9		DESCRIPTION NA 10 80	
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PUBLICITY

17 NA
7 8 9 80

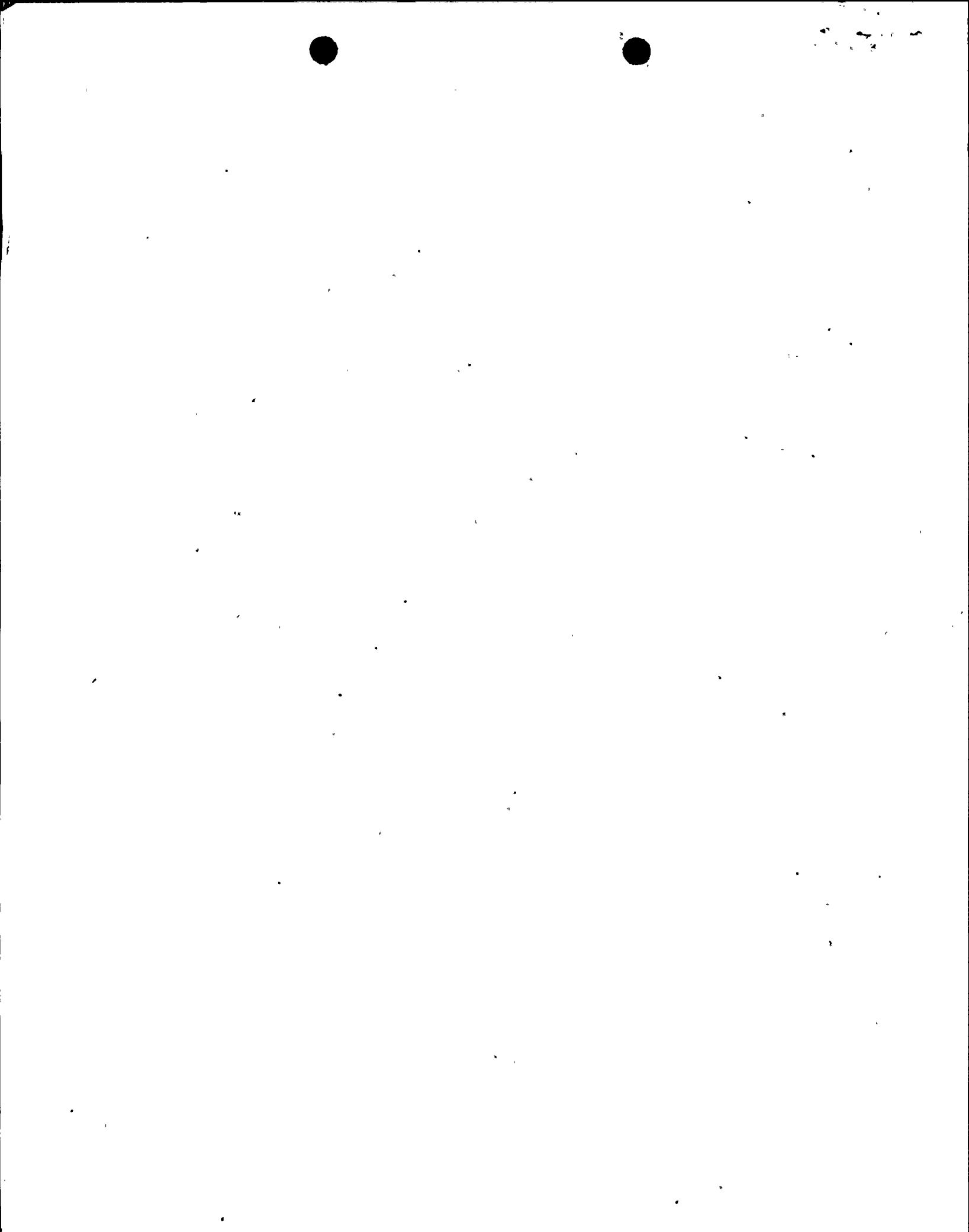
ADDITIONAL FACTORS

18 NA
7 8 9 80

19 NA
7 8 9 80

NAME: J.L.RISCHLING

PHONE: (616) 465-5901(368)



SUPPLEMENT TO REPORTABLE OCCURRENCE RO-50-0315/76-45

SUPPLEMENT TO EVENT DESCRIPTION

1 THP 4030 STP.205 HAD NINE TEMPORARY CHANGE SHEETS WHICH ALSO VIOLATED THIS TECHNICAL SPECIFICATION.

SUPPLEMENT TO CAUSE DESCRIPTION

RESPONSIBLE ENGINEER FOR THIS TEST, AND FIVE OTHERS WERE INITIATED BY ANOTHER ENGINEER ASSISTING IN THE PERFORMANCE OF THIS TEST. THE ASSISTANT SUBMITTED HIS TEMPORARY CHANGE SHEETS TO THE RESPONSIBLE ENGINEER. THE RESPONSIBLE ENGINEER FAILED TO SUBMIT THE TEMPORARY CHANGE SHEETS FOR PNSRC REVIEW WITHIN THE PROPER TIME SPAN.

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