

A 10/04/78

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

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DOCDATE: 09/27/78  
DATE RCVD: 10/03/78

DOCTYPE: LETTER NOTARIZED: NO  
SUBJECT:

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LTR 1 ENCL 3

FORWARDING LICENSEE EVENT REPT (RO 50-316/78-064) ON 09/05/78 CONCERNING  
DURING NORMAL OPERATION, ROD INDICATION FOR ROD C-9 INDICATED A DEVIATION OF  
GREATER THAN 12 STEPS FROM DEMAN POSITION, EXCEEDING TECH SPEC LIMIT OF  
3. 1. 3. 2.

PLANT NAME: COOK - UNIT 2

REVIEWER INITIAL: XJM  
DISTRIBUTOR INITIAL: RTW

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NOTES:

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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  
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PLANT SYSTEMS BR\*\*W/ENCL  
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VOLLMER/BUNCH\*\*W/ENCL  
POWER SYS BR\*\*W/ENCL

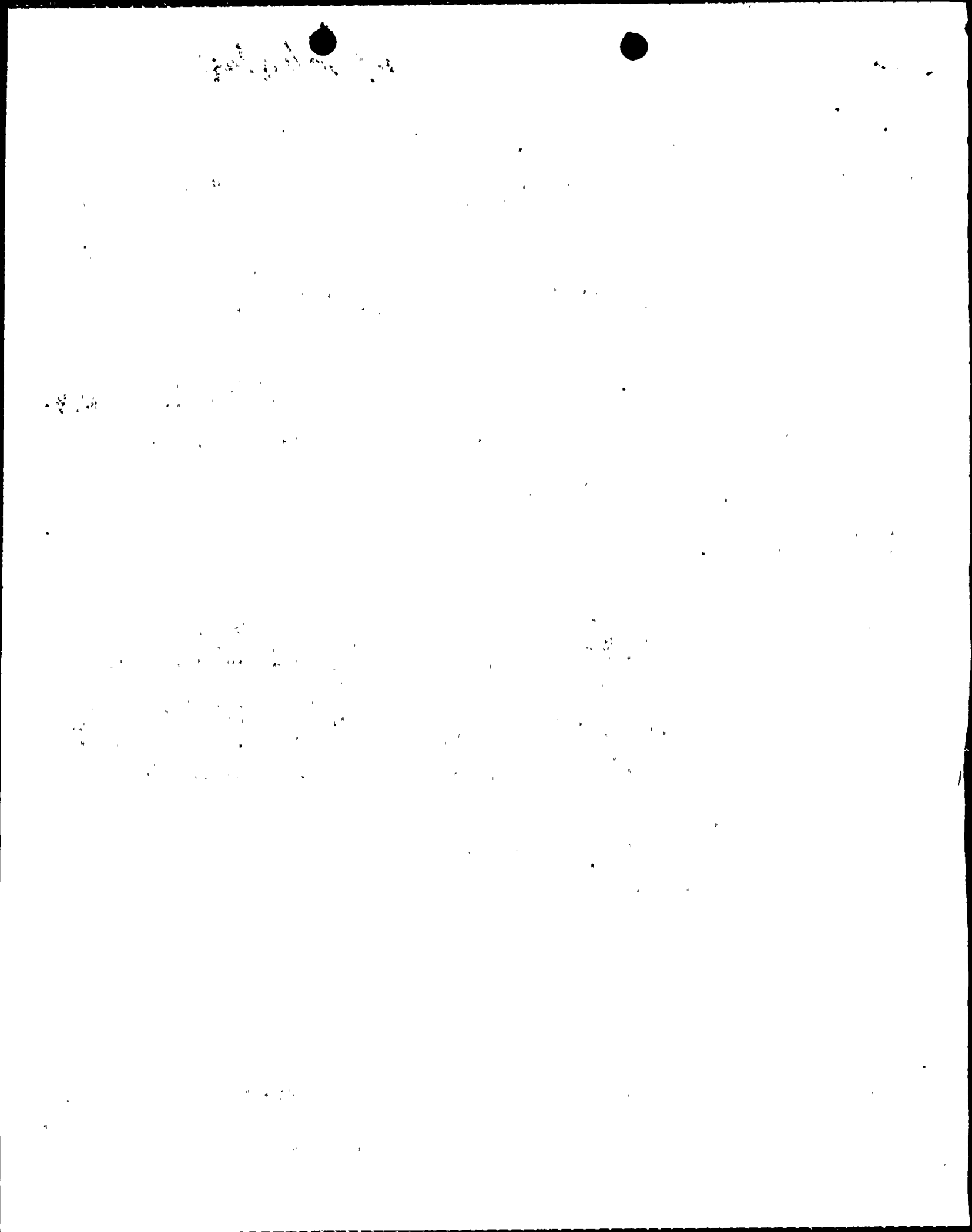
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SIZE: 1P+2P

CONTROL NBR: 780680188

AO 460

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





**INDIANA & MICHIGAN POWER COMPANY**

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

September 27, 1978

**REGULATORY DOCKET FILE COPY**

DISPATCH  
BRANCH  
US NRC  
SERVICES

1978 OCT 3 AM 9 02

RECEIVED DISTRIBUTION  
SERVICES UNIT

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 78-064/03L-0.

Sincerely,

D.V. Shaller  
Plant Manager

/bab

**REGULATORY DOCKET FILE COPY**

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A002/s \*  
1/3

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 14 15 25 26 30 37 CAT 38

CON'T  
0 1 REPORT SOURCE [ L ] 6 0 5 0 0 0 3 1 6 7 0 9 0 5 7 8 8 0 9 2 7 7 8 9  
7 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

0 2 DURING NORMAL OPERATION ON SEPTEMBER 5, ROD POSITION INDICATION (RPI) FOR ROD  
0 3 C-9 INDICATED A DEVIATION OF GREATER THAN 12 STEPS FROM DEMAND POSITION. THIS  
0 4 EXCEEDED T. S. 3.1.3.2. ALSO, ON SEPTEMBER 14, WHILE INCREASING POWER RPI FOR  
0 5 H-8 EXCEEDED THE T.S. LIMIT. THE APPLICABLE T. S. ACTION REQUIREMENTS WERE FULFILLED.  
0 6 SIMILAR OCCURRENCES INCLUDE: 050-0315/76-13,44,54; 77-27,28,33,34; 78-04,07,38,46.  
0 7 050-0316/78-07,08,22,31,41.

0 8 [ ] 8 9

0 9 SYSTEM CODE [ I E ] 11 CAUSE CODE [ E ] 12 CAUSE SUBCODE [ Z ] 13 COMPONENT CODE [ I N S T R U ] 14 COMP. SUBCODE [ I ] 15 VALVE SUBCODE [ Z ] 16  
7 8 9 10 11 12 13 14 15 16 17  
17 LER/RO REPORT NUMBER [ 7 ] 18 EVENT YEAR [ 8 ] 19 SHUTDOWN METHOD [ ] 20 OCCURRENCE CODE [ 0 ] 21 REPORT TYPE [ L ] 22 REVISION NO. [ 0 ]  
21 22 23 24 25 26 27 28 29 30 31 32  
ACTION TAKEN [ E ] 18 FUTURE ACTION [ X ] 19 EFFECT ON PLANT [ Z ] 20 HOURS [ 0 0 0 0 ] 21 ATTACHMENT SUBMITTED [ Y ] 22 NPRD-4 FORM SUB. [ N ] 23 PRIME COMP. SUPPLIER [ N ] 24 COMPONENT MANUFACTURER [ W 1 2 0 ] 26  
33 34 35 36 37 38 39 40 41 42 43 44 45 46 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

1 0 INVESTIGATION REVEALED THAT THE SIGNAL CONDITIONING MODULE HAD DRIFTED HIGH FOR C-9.  
1 1 AFTER VERIFYING THE POSITION OF ROD C-9 BY MEASURING THE ROD'S SECONDARY COIL VOLTAGE,  
1 2 THE SIGNAL CONDITIONING MODULE WAS RECALIBRATED AND PLACED BACK IN SERVICE INDICATING  
1 3 THE CORRECT ROD POSITION.. RPI FOR H-8 RETURNED TO WITHIN THE + 12 STEP LIMIT, WITHOUT  
1 4 ANY CORRECTIVE ACTION. THE CONTROL BANK WAS BEING WITHDRAWN (SEE SUPPLEMENT)

1 5 FACILITY STATUS [ F ] 28 % POWER [ 0 9 2 ] 29 OTHER STATUS [ NA ] 30 METHOD OF DISCOVERY [ B ] 31 DISCOVERY DESCRIPTION [ SURVEILLANCE TEST ] 32  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

1 6 ACTIVITY CONTENT [ Z ] 33 RELEASED OF RELEASE [ 2 ] 34 AMOUNT OF ACTIVITY [ NA ] 35 LOCATION OF RELEASE [ NA ] 36  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

1 7 PERSONNEL EXPOSURES NUMBER [ 0 ] 37 TYPE [ Z ] 38 DESCRIPTION [ NA ] 39  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

1 8 PERSONNEL INJURIES NUMBER [ 0 ] 40 DESCRIPTION [ NA ] 41  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

1 9 LOSS OF OR DAMAGE TO FACILITY TYPE [ Z ] 42 DESCRIPTION [ NA ] 43  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

2 0 PUBLICITY ISSUED [ N ] 44 DESCRIPTION [ NA ] 45 NRC USE ONLY  
7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

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SUPPLEMENT TO LER #78-064/03L-0

CAUSE DESCRIPTION SUPPLEMENT

WHILE INCREASING POWER. AN ENGINEERING REVIEW IS IN PROGRESS  
TO DETERMINE THE ROOT CAUSE OF THIS RECURRING PROBLEM.