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50-315

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SUBJECT:

LTR 0 ENCL 1

LICENSEE EVENT REPT. NO. 50-315/78-06 CONCERNING THE AXIAL POWER
DISTRIBUTION MONITORING SYSTEM BEING FOUND TO BE INOPERABLE.

PLANT NAME: COOK - UNIT 1

REVIEWER INITIAL: XRL
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DISTRIBUTION: LTR 46 ENCL 46
SIZE: 1P+2P

CONTROL NBR: 780470240

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INDIANA & MICHIGAN POWER COMPANY

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

D. Lankam

file copy

February 10, 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-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 50-315/78-06.

Sincerely,

D.V. Shaller
Plant Manager

/bab

cc: J.E. Dolan
R.W. Jurgensen
G.E. Lien
R. Kilburn
R. Vollen BPI
K.R. Baker RO:III
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FEB 13 1978

AO 4
60

LICENSEE EVENT REPORT

CONTROL BLOCK:

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME: [01] M I D C C I [14] 15
LICENSE NUMBER: [0] [0] [0] [0] [0] [0] [0] [0] [0] [0] [25] 26
LICENSE TYPE: [4] [1] [1] [1] [1] [30] 31
EVENT TYPE: [0] [3] [32]

REPORT TYPE: [01] CONT [57] 58
REPORT SOURCE: [L] [L] [59] 60
DOCKET NUMBER: [0] [5] [0] [0] [3] [1] [5] [61] 68
EVENT DATE: [0] [1] [1] [1] [7] [8] [69] 74
REPORT DATE: [0] [2] [1] [0] [7] [8] [75] 80

EVENT DESCRIPTION

[02] ON JANUARY 11, 1978, THE AXIAL POWER DISTRIBUTION MONITORING SYSTEM (APDMS) WAS [80]
[03] FOUND TO BE INOPERABLE. AN APDMS SEQUENCE SCAN HAD BEEN INITIATED TO PERFORM THE [80]
[04] SURVEILLANCE REQUIREMENT SPECIFIED IN APPENDIX A TECHNICAL SPECIFICATION PARAGRAPH [80]
[05] 4.2.6.1A2.B. THE ALTERNATE METHOD OF OBTAINING THE $F_j(Z)$ IN THE CASE OF APDMS [80]
[06] INOPERABILITY AS IDENTIFIED IN PARAGRAPH 4.2.6.1B2B (SEE SUPPLEMENT)(R0-050-315/78-06) [80]

SYSTEM CODE: [07] Z Z [9] 10
CAUSE CODE: [E] [11] 12
COMPONENT CODE: [Z] [Z] [Z] [Z] [Z] [17] 17
PRIME COMPONENT SUPPLIER: [N] [43] 43
COMPONENT MANUFACTURER: [W] [1] [2] [0] [44] 47
VIOLATION: [Y] [48] 48

CAUSE DESCRIPTION

[08] THE APDMS FAILURE WAS TRACED TO A POWER SUPPLY FUSE HOLDER WHICH, POSSIBLY THROUGH [80]
[09] FATIGUE OR DEFECT, WOULD NOT HOLD A FUSE, CAUSING AN OPEN CIRCUIT. THE FUSE HOLDER [80]
[10] WAS REPLACED AND THE APDMS WAS SATISFACTORILY RETURNED TO SERVICE. [80]

FACILITY STATUS: [E] [9] 9
% POWER: [1] [0] [0] [10] 12
OTHER STATUS: N/A [13] 13
METHOD OF DISCOVERY: [A] [44] 45
DISCOVERY DESCRIPTION: N/A [46] 46

FORM OF ACTIVITY RELEASED: [Z] [9] 9
CONTENT OF RELEASE: [Z] [10] 11
AMOUNT OF ACTIVITY: N/A [44] 44
LOCATION OF RELEASE: N/A [45] 45

PERSONNEL EXPOSURES

NUMBER: [13] 0 0 0 [11] 11
TYPE: [Z] [12] 12
DESCRIPTION: N/A [13] 13

PERSONNEL INJURIES

NUMBER: [14] 0 0 0 [11] 11
DESCRIPTION: N/A [12] 12

OFFSITE CONSEQUENCES

[15] N/A [7] 8 9

LOSS OR DAMAGE TO FACILITY

TYPE: [16] Z [7] 8 9
DESCRIPTION: N/A [10] 10

PUBLICITY

[17] N/A [7] 8 9

ADDITIONAL FACTORS

[18] Replaced fuse holder [7] 8 9

[19] [7] 8 9

NAME: T.P. Beilman

PHONE: (616) 465-5901 (368)

SUPPLEMENT

EVENT DISCRIPTION

WAS NOT UTILIZED UNTIL APPROXIMATELY TWO HOURS AFTER THE APDMS FAILURE,
WHICH RESULTED IN A LOSS OF THE 90 AND 120 MINUTE SCANS.

