

A 07/07/78

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: 06/30/78
DATE RCVD: 07/06/78

DOCTYPE: LETTER NOTARIZED: NO
SUBJECT:

COPIES RECEIVED
LTR 1 ENCL 1

FORWARDING LICENSEE EVENT REPT (RO 50-316/78-038) ON 06/07/78 CONCERNING
DURING SURVEILLANCE TEST ON CD PLANT BATTERY, CELL #89 WAS FOUND TO HAVE
SPECIFIC GRAVITY BELOW 1200 MINIMUM SPECIFIC GRAVITY ALLOWED BY TECH
SPECS. . . W/ATT LERS 78-039, 78-040 AND 78-041

PLANT NAME: COOK - UNIT 2

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL: ml

***** 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/2 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

A10 f

DISTRIBUTION: LTR 45 ENCL 45
SIZE: 1P+1P+3P

CONTROL NBR: 781870119

***** THE END *****

61

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VISION	I-----	DISTRIBUTION	CODES	1	-	17	-----
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RP. TYPE	I-----	DISTRIBUTION	QTY	18	-	34	-----
	I-----	DISTRIBUTION	CODES	35	-	50	-----
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SAN DIEGO CA 92109 CW
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SAN DIEGO CA 92110 SN SR SF SE ST SG
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SAN DIEGO CA 92110 SN SF SE SM SP ST SG CW
1 1 1 1 1 1 1 1

SAN DIEGO CA 92112 SN SR SF SE SM SP ST SO SA SG CW
1 1 1 1 1 1 1 1 1 1

D. Lankom

FILE



INDIANA & MICHIGAN POWER COMPANY

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

June 30, 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

RECEIVED DISTRIBUTION SERVICES UNIT
1978 JUL 19 PM 1 49
US NRC
DISTRIBUTION SERVICES
BRANCH

Operating License DPR-74
Docket No. 50-316

Dear Mr. Keppler:

Pursuant to the requirements of the Appendix A Technical Specifications the following reports are submitted:

- RO 78-038/03L-0
- RO 78-039/03L-0
- RO 78-040/03L-0
- RO 78-041/03L-0.

Sincerely,

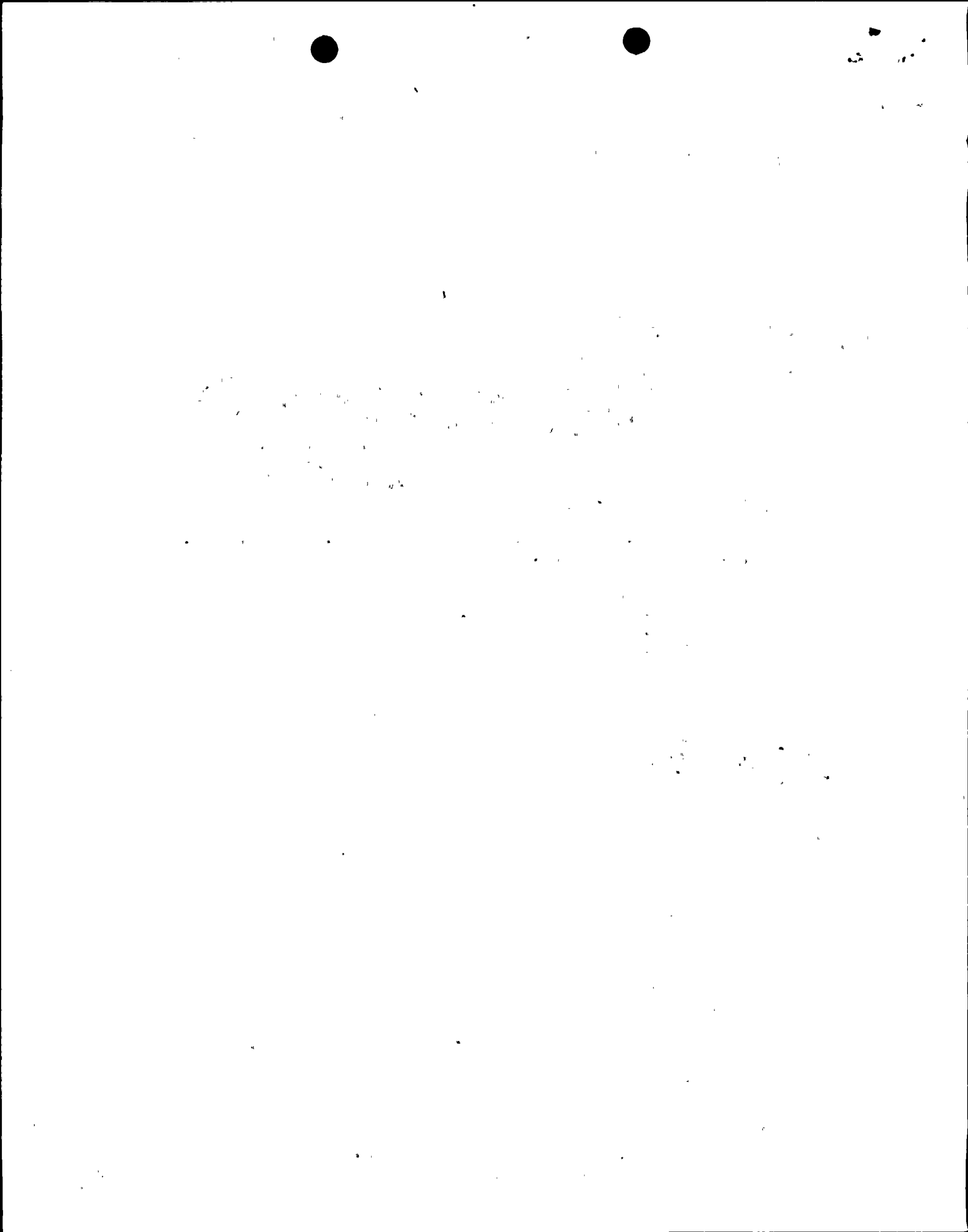
D.V. Shaller
Plant Manager

/bab

- cc: J.E. Dolan
R.W. Jurgensen
R.F. Kroeger
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JUL 03 1978

A002
S/11



LICENSEE EVENT REPORT

CONTROL BLOCK: ①

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 M I D D C 2 2 0 0 - 0 0 0 0 - 0 0 3 4 1 1 1 1 4 5
7 8 9 14 15 25 26 30 57 CAT 58

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES ⑩

02 During surveillance test on CD Plant Battery, cell #89 was found to have a
03 specific gravity of 1.195 which is below the 1.200 minimum specific gravity
04 allowed per T.S. 4.8.2.3.2a, 2, which constituted an inoperable battery.
05 AB battery was operable. DC loads were shifted to AB battery for a period of
06 16 minutes while cell #89 was jumpered. CD battery was returned to service after
07 being inoperable for 80 minutes. This event had no effect upon public health
08 and safety.

09 E C ⑪ E ⑫ A ⑬ B A T T R Y ⑭ Z ⑮ Z ⑯
7 8 9 10 11 12 13 18 19 20

⑰ LER/RO REPORT NUMBER 7 8 ⑱ 0 3 8 ⑲ 0 3 ⑳ L ㉑ 0 ㉒
21 22 23 24 26 27 28 29 30 31 32

ACTION TAKEN X ⑳ FUTURE ACTION C ㉑ EFFECT ON PLANT Z ㉒ SHUTDOWN METHOD Z ㉓ HOURS 0 0 0 0 ㉔ ATTACHMENT SUBMITTED N ㉕ NPRD-4 FORM SUB. Y ㉖ PRIME COMP. SUPPLIER A ㉗ COMPONENT MANUFACTURER E 3 5 5 ㉘
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS ⑳

10 The exact cause of the low specific gravity could not be determined. A procedure
11 is being developed to attempt to restore the cell. Also, a replacement cell has
12 been ordered incase restoration is not possible. Remaining cells in CD battery
13 show no similar problems.

15 B ㉙ 0 5 0 ㉚ NA ㉛ B ㉜ NA ㉝ ㉞
7 8 9 10 12 13 44 45 46 80

16 Z ㉟ Z ㊱ NA ㊲ ㊳ ㊴
7 8 9 10 11 44 45 80

17 0 0 0 ㊵ Z ㊶ NA ㊷
7 8 9 11 12 13 80

18 0 0 0 ㊸ NA ㊹
7 8 9 11 12 80

19 Z ㊺ NA ㊻
7 8 9 10 80

20 Z ㊼ NA ㊽
7 8 9 10 80

NAME OF PREPARER Dave Wizner

PHONE: 616-465-5901, Ext.398

REGULATORY DOCKET FILE COPY

CONFIDENTIAL

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]

CON'T [0] [1] REPORT SOURCE [L] [6] [0] [5] [0] [0] [0] [0] [3] [1] [6] [7] [0] [6] [1] [5] [7] [8] [8] [0] [6] [3] [0] [7] [8] [9]

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

[0] [2] During surveillance test on AB Plant Battery, cell #35 was found to have a [0] [3] specific gravity of 1.197 which is below the 1.200 minimum specific gravity [0] [4] allowed per T.S. 4.8.2.3.2a, 2 which constituted an inoperable battery. CD [0] [5] battery was operable. DC loads were shifted to CD battery for a period of [0] [6] 13 minutes while cell #35 was jumpered. AB battery was returned to service after [0] [7] being inoperable for 29 minutes. This event had no effect on public health and [0] [8] safety. Reference similar LER No. 78-038/03L-0.

[0] [9] SYSTEM CODE [E] [C] (11) CAUSE CODE [E] (12) CAUSE SUBCODE [A] (13) COMPONENT CODE [B] [A] [T] [T] [R] [Y] (14) COMP. SUBCODE [Z] (15) VALVE SUBCODE [Z] (16) LER/RO REPORT NUMBER [7] [8] (17) EVENT YEAR [7] [8] SEQUENTIAL REPORT NO. [0] [3] [9] OCCURRENCE CODE [0] [3] REPORT TYPE [L] REVISION NO. [0] ACTION TAKEN [X] (18) FUTURE ACTION [C] (19) EFFECT ON PLANT [Z] (20) SHUTDOWN METHOD [Z] (21) HOURS [0] [0] [0] [0] (22) ATTACHMENT SUBMITTED [N] (23) NPRD-4 FORM SUB. [Y] (24) PRIME COMP. SUPPLIER [A] (25) COMPONENT MANUFACTURER [E] [3] [5] [5] (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

[1] [0] The exact cause of the low specific gravity could not be determined. A [1] [1] procedure is being developed to attempt to restore the cell. Also, a replacement [1] [2] cell has been ordered in case restoration is not possible. Remaining cells in [1] [3] AB battery show no similar problems.

[1] [5] FACILITY STATUS [B] (28) % POWER [0] [5] [0] (29) OTHER STATUS NA (30) METHOD OF DISCOVERY [B] (31) NA DISCOVERY DESCRIPTION (32)

[1] [6] ACTIVITY RELEASED OF RELEASE [Z] (33) [Z] (34) CONTENT [Z] (34) AMOUNT OF ACTIVITY NA (35) LOCATION OF RELEASE (36)

[1] [7] PERSONNEL EXPOSURES NUMBER [0] [0] [0] (37) TYPE [Z] (38) DESCRIPTION NA (39)

[1] [8] PERSONNEL INJURIES NUMBER [0] [0] [0] (40) DESCRIPTION NA (41)

[1] [9] LOSS OF OR DAMAGE TO FACILITY TYPE [Z] (42) DESCRIPTION NA (43)

[2] [0] PUBLICITY ISSUED [Z] (44) DESCRIPTION NA (45) NRC USE ONLY

NAME OF PREPARER Dave Wizner

PHONE: 616-465-5901, EXT.398

LICENSEE EVENT REPORT

CONTROL BLOCK: [][][][][][][][] (1)

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

[01] MIDCC2 [2] 000000000000 [3] 411111 [4] [5]

CON'T [01] REPORT SOURCE [6] 05000316 [7] 060378 [8] 063078 [9]

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
[02] AFTER THREE REACTOR TRIPS ON JUNE 3,9,13,1978 ROD BOTTOM POSITION INDICATION
[03] FOR CONTROL ROD H-8 DID NOT INDICATE THAT H-8 WAS FULLY INSERTED.
[04] THE ACTION REQUIREMENT OF T.S. 3.1.1.1 WAS FULFILLED BY EMERGENCY
[05] BORATING FOR 5 MINUTES.

[09] SYSTEM CODE [11] IX [12] X [13] INSTRU [14] I [15] Z [16]
[17] LER/RO REPORT NUMBER [21] 78 [22] [23] [24] 040 [25] [26] [27] [28] 03 [29] [30] L [31] [32] 0
[33] X [34] X [35] Z [36] Z [37] 0000 [38] [39] N [40] [41] N [42] N [43] N [44] W120 [47]

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)
[10] NA
[11]
[12]
[13]
[14]

[15] FACILITY STATUS [28] D [29] 000 [30] NA [31] A [32] OPERATOR OBSERVATION
[16] ACTIVITY CONTENT [33] Z [34] Z [35] NA [36] NA
[17] PERSONNEL EXPOSURES [37] 0 [38] Z [39] NA

[18] PERSONNEL INJURIES [40] 0 [41] NA
[19] LOSS OF OR DAMAGE TO FACILITY [42] Z [43] NA
[20] PUBLICITY ISSUED [44] N [45] NA

NAME OF PREPARER Jack Rischling PHONE: 616-465-5901

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 6 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

01 | MIDCC2 | 2 | 0000000000000000000 | 34 | 11111 | 4 | 5
7 8 9 14 15 25 26 30 57 58

CON'T
01 | REPORT SOURCE | L | 6 | 050000316 | 7 | 060278 | 8 | 063078 | 9
7 8 60 61 68 69 74 75 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES 10

02 | DURING NORMAL OPERATION, ROD POSITION INDICATION FOR CONTROL ROD D-8 DID NOT
03 | MEET THE \pm 12 STEP LIMIT OF T. S. 3.1.3.2. PREVIOUS OCCURRENCES OF A
04 | SIMILAR NATURE INCLUDE: RO-050/316-78-31,22,08,07; RO-050/315-78-07,04.
05 | 77-34,33,28,27,76-54,44,13.
06 |
07 |
08 |

09 | SYSTEM CODE | CAUSE CODE | CAUSE SUBCODE | COMPONENT CODE | COMP. SUBCODE | VALVE SUBCODE
IE | E | Z | INSTRU | I | Z
7 8 9 10 11 12 13 18 19 20

17 | LER/RO REPORT NUMBER | EVENT YEAR | SEQUENTIAL REPORT NO. | OCCURRENCE CODE | REPORT TYPE | REVISION NO.
78 | 78 | 041 | 03 | L | 0
21 22 23 24 26 27 28 29 30 31 32

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS 27

10 | INVESTIGATION REVEALED THAT THE SIGNAL CONDITIONING MODULE OUTPUT VOLTAGE WAS HIGH.
11 | AFTER THE ROD'S SECONDARY COIL VOLTAGE WAS MEASURED TO VERIFY THAT THE ROD WAS AT
12 | THE CORRECT POSITION, THE SIGNAL CONDITIONING MODULE WAS RECALIBRATED AND
13 | PLACED BACK IN SERVICE RETURNING RPI TO WITHIN THE \pm 12 STEP LIMIT.
14 |

15 | FACILITY STATUS | % POWER | OTHER STATUS | METHOD OF DISCOVERY | DISCOVERY DESCRIPTION
E | 065 | NA | A | OPERATOR OBSERVATION
7 8 9 10 12 13 44 45 46 80

16 | ACTIVITY CONTENT | AMOUNT OF ACTIVITY | LOCATION OF RELEASE
Z | Z | NA | NA
7 8 9 10 11 44 45 80

17 | PERSONNEL EXPOSURES | DESCRIPTION
000 | Z | NA
7 8 9 11 12 13 80

18 | PERSONNEL INJURIES | DESCRIPTION
000 | NA
7 8 9 11 12 80

19 | LOSS OF OR DAMAGE TO FACILITY | DESCRIPTION
Z | NA
7 8 9 10 80

20 | PUBLICITY | ISSUED | DESCRIPTION
N | NA
7 8 9 10 80