

50-331

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

INCIDENT REPORT

TO:

Mr. James G. Keppler

FROM:
Iowa Elec. Light & Pwr. Company
Cedar Rapids, Iowa
Ellery L. Hammond

DATE OF DOCUMENT

11/18/77

DATE RECEIVED

11/28/77

LETTER

NOTORIZED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

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 COPY

UNCLASSIFIED

1 SIGNED

DESCRIPTION

ENCLOSURE

PLANT NAME: Duane Arnold
RJL 11/28/77

(1-P)

Licensee Event Report (RO 50-331/77-85) on 10/28/77 concerning the "A" recirculation pump being noted to have decreased in flow slightly, and the associated M-G set field voltage increasing & the M-G set generator winding temperature increasing....

(1-P)

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

1 ENCL

FOR ACTION/INFORMATION

BRANCH CHIEF: *(4)*
~~W/3 CYS FOR ACTION~~
LIC ASST.:

LEAR

INTERNAL DISTRIBUTION

REG FILE
NRC PDR
I & E (2)
MTEC
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NOVAK/CHECK
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KNIGHT
BUTLER
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TEDESCO
EISENHUT
BAER
SHAO
VOLLMER/RUNCH
KREGER/ J. COLLINS
ROSA
L CROCKER

EXTERNAL DISTRIBUTION

CONTROL NUMBER

L.PDR: *CEDAR RAPIDS 1A*
TIC:
NSIC:
ACRS (16) SENT AS CAT, B

773320179

10 of

GD

D. Lankam

REGULATORY DOCKET FILE COPY

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406
November 18, 1977
DAEC-77-579



Mr. James G. Keppler, Director
Office of Inspection and Enforcement
U. S. Nuclear Regulatory Commission - Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

Subject: Licensee Event Report No. 77-85
(30 day)

File: A-118a

Dear Mr. Keppler:

In accordance with Appendix A to Operating License DPR-49, Technical Specifications and Bases for Duane Arnold Energy Center and Regulatory Guide 10.1, please find attached a copy of the subject Licensee Event Report. (Total of 3 copies transmitted)

Very truly yours,

Ellery L. Hammond
Ellery L. Hammond
Chief Engineer
Duane Arnold Energy Center

Docket 50-331
attachment
ELH/JVS/mg

cc: Director, Office of Inspection and Enforcement (30)
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Director, Management Information and Program Control (3)
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

NOV 22 1977

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LICENSEE EVENT REPORT

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

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

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During normal operation the "A" recirculation pump was noted to have de
0 3 | creased in flow slightly, the associated M-G set field voltage had incr
0 4 | eased and the M-G set generator winding temperature was increasing. Th
0 5 | e M-G set was removed from service to investigate this problem. No sig
0 6 | nificant occurrence resulted from this event. See also RO 77-84.
0 7 |
0 8 |

0 9 | SYSTEM CODE [C B] (11) CAUSE CODE [E] (12) CAUSE SUBCODE [A] (13) COMPONENT CODE [T R A N S F] (14) COMP. SUBCODE [Z] (15) VALVE SUBCODE [Z] (16)
7 8 9 10 11 12 13 14 15 16 17 18 19 20
17 | LER/RO REPORT NUMBER [7 7] (21) SEQUENTIAL REPORT NO. [0 8 5] (24) OCCURRENCE CODE [] (27) REPORT TYPE [L] (30) REVISION NO. [0] (32)
21 22 23 24 25 26 27 28 29 30 31 32
ACTION TAKEN [C] (18) FUTURE ACTION [Z] (19) EFFECT ON PLANT [B] (20) SHUTDOWN METHOD [Z] (21) HOURS [0 0 0 8] (22) ATTACHMENT SUBMITTED [N] (23) NPRD-4 FORM SUB. [N] (24) PRIME COMP. SUPPLIER [N] (25) COMPONENT MANUFACTURER [G 0 8 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 the primary side fuses of a M-G set voltage req
1 1 | ulator reference transformer were opened. The reference transformer and
1 2 | fuses were replaced with like-for-like spares. The reference transform
1 3 | er is a General Electric part number 44B215966-001. The M-G set was re
1 4 | turned to service and no further problems have been experienced.

1 5 | FACILITY STATUS [F] (28) % POWER [0 9 3] (29) OTHER STATUS [NA] (30) METHOD OF DISCOVERY [A] (31) DISCOVERY DESCRIPTION [Operator Observation] (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
1 6 | ACTIVITY CONTENT RELEASED OF RELEASE [Z] (33) [Z] (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
1 7 | PERSONNEL EXPOSURES NUMBER [0 0 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
1 8 | PERSONNEL INJURIES NUMBER [0 0 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
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
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

NAME OF PREPARER J. Van Sickle

PHONE: 319-851-5611

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1977 NOV 28 PM 12 36