

50-331

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

INCIDENT REPORT

TO:

Mr. James G. Keppler

FROM:

Iowa Elec. Light & Power Company  
Cedar Rapids, Iowa  
Ellery L. Hammond

DATE OF DOCUMENT

12/21/77

DATE RECEIVED

1/4/78

LETTER  
 ORIGINAL  
 COPY

NOTORIZED  
 UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

15162 ED

DESCRIPTION

ENCLOSURE

Licensee Event Report (RO 50-331/77-91) on 11/27/77 concerning CPR being checked and found to be above tech spec limit.....

PLANT NAME: Duane Arnold  
RJL 1/4/78

(1-P)

(1-P)

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

IEACL

FOR ACTION/INFORMATION

BRANCH CHIEF: LA  
N/ I SYS FOR ACTION  
LTC ASST.:

LEAR

INTERNAL DISTRIBUTION:

REG FILE  
NRC PDR  
T S F (2)  
MTPC  
SCHROEDER/IPPOLITO  
HOUSTON  
NOVAK/CHECK  
GRIMES  
KNIGHT  
BUTLER  
HANAUER  
TEDESCO  
EISENHUT  
BAER  
SHAO  
VOLLMER/RUNCH  
KREGER/ J. COLLINS  
ROSA  
L CRACKER

EXTERNAL DISTRIBUTION

CONTROL NUMBER

LEDR: CEDAR RAPIDS 12  
TIC:  
NSTC:  
ACRS (16) SENT AS CAT. B

780040156

AD 4  
60

*D. Lanham*

# REGULATORY DOCKET FILE COPY

## IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER  
P. O. Box 351  
Cedar Rapids, Iowa 52406  
December 21, 1977  
DAEC-77-647

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. 77-91  
(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/nf

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

DEC 27 1977

780040156

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 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 REPORT SOURCE L 6 0 5 0 0 0 3 3 1 7 1 1 2 7 7 7 8 1 2 2 1 7 7 9  
7 8 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 Following a power increase in accordance with approved procedures, CPR  
0 3 was checked and found to be 1.2876, above the Tech Spec limit of >/= 1.  
0 4 27. A new power distribution was then inserted in the computer with the  
0 5 expected result being a gain in CPR operating margin. However, when CP  
0 6 R was again checked it was found to be 1.2566, below the Tech Spec MCPR  
0 7 limit of >/= 1.27. Power was immediately reduced and CPR was again wit  
0 8 hin limits within one hour.  
7 8 9

0 9 SYSTEM CODE R B 11 CAUSE CODE X 12 CAUSE SUBCODE Z 13 COMPONENT CODE Z Z Z Z Z Z Z 14  
7 8 9 10 11 12 13 18 19 COMP. SUBCODE Z 15 VALVE SUBCODE Z 16  
17 LER/RO REPORT NUMBER 7 7 21 22 SEQUENTIAL REPORT NO. 0 9 1 24 26 OCCURRENCE CODE 0 3 28 29 REPORT TYPE L 30 REVISION NO. 0 32  
ACTION TAKEN X 18 FUTURE ACTION Z 19 EFFECT ON PLANT B 20 SHUTDOWN METHOD Z 21 HOURS 0 0 1 2 22 ATTACHMENT SUBMITTED N 23 NPRD-4 FORM SUB. N 24 PRIME COMP. SUPPLIER Z 25 COMPONENT MANUFACTURER Z 9 9 9 26  
33 34 35 36 37 40 41 42 43 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 This violation resulted from incorrect power distribution data which i  
1 1 s a. .... problem associated with periodic versus continuous mappi  
1 2 ng of power shape with the TIP system. The plant has been and will co  
1 3 ntinue to be operated in a manner which will minimize the occurrence  
1 4 of MCPR violations.  
7 8 9

1 5 FACILITY STATUS E 28 % POWER 0 9 5 29 OTHER STATUS NA 30 METHOD OF DISCOVERY A 31 DISCOVERY DESCRIPTION Operator Observation 32  
7 8 9 10 12 13 44 45 46 80  
1 6 ACTIVITY CONTENT Z 33 RELEASED OF RELEASE Z 34 AMOUNT OF ACTIVITY NA 35 LOCATION OF RELEASE NA 36  
7 8 9 10 11 44 45 80  
1 7 PERSONNEL EXPOSURES NUMBER 0 0 0 37 TYPE Z 38 DESCRIPTION NA 39  
7 8 9 11 12 13 80  
1 8 PERSONNEL INJURIES NUMBER 0 0 0 40 DESCRIPTION NA 41  
7 8 9 11 12 80  
1 9 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 DESCRIPTION NA 43  
7 8 9 10 80  
2 0 PUBLICITY ISSUED N 44 DESCRIPTION NA 45  
7 8 9 10 80

RECEIVED DOCUMENT  
FBI - MEMPHIS

1970 JAN 4 AM 7 28