

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

1516NCD

DESCRIPTION

ENCLOSURE

PLANT NAME: Duane Arnold
RJL 1/4/78

(1-P)

Licensee Event Report (RO 50-331/77-90) on 11/23/77 concerning HPCI injection valve MOV 2312 cycling open properly but when cycled closed would not indicate fully closed.....

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

(ENCL

FOR ACTION/INFORMATION

BRANCH CHIEF: (4)
~~W/ 3 CYS FOR ACTION~~
LTC ASST:

LEAR

INTERNAL DISTRIBUTION:

REG FILE
NRC PDR
TSE (2)
MTRC
SCHROEDER/IPPOLITO
HOUSTON
NOVAK/CHECK
GRIMES
KNIGHT
BUTLER
HANAUER
TEDESCO
EISENHUT
BAER
SHAO
VOLLMEYER/HUNCH
KREGER/J. COLLINS
ROSA
L CROCKER

EXTERNAL DISTRIBUTION

CONTROL NUMBER

LPDR: CEDAR RAPIDS 1/2
TIC:
NSIC:
ACRS (16) SENT AS CAT. B

NO 4

780040155

GD

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-77-646



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. 77-90
(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

780040155

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 0 3 4 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 3 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 | During surveillance testing HPCI injection valve MOV 2312 cycled open p
0 3 | properly but when cycled closed would not indicate fully closed. Investi
0 4 | gation revealed the motor thermal overloads were tripped. When reset th
0 5 | e valve closed properly. A repeat of the cycle produced the same result
0 6 | s. During subsequent testing the valve would not open until manually tu
0 7 | rned several revolutions. The valve then operated properly through seve
0 8 | ral cycles with no further problems. Redundant ECCS's operable.

0 9 SYSTEM CODE S F 11 CAUSE CODE X 12 CAUSE SUBCODE Z 13 COMPONENT CODE V A L V E X 14 COMP. SUBCODE E 15 VALVE SUBCODE D 16
7 8 9 10 11 12 13 14 15 16 17 18 19 20

17 LER/RO REPORT NUMBER 7 7 21 22 EVENT YEAR 7 7 23 SHUTDOWN METHOD Z 21 36 HOURS 0 0 0 0 22 37 ATTACHMENT SUBMITTED N 23 41 NPRD-4 FORM SUB. N 24 42 PRIME COMP. SUPPLIER A 25 43 COMPONENT MANUFACTURER A 3 9 5 26 44 47

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | Cause unknown. The valve is an Anchor Valve Co. 12 inch gate valve dri
1 1 | ven by a Limitorque operator. Surveillance will be conducted weekly for
1 2 | four weeks to determine if the problem is recurring.
1 3 |
1 4 |

1 5 FACILITY STATUS F 28 9 10 % POWER 0 5 8 29 12 13 OTHER STATUS NA 30 44 METHOD OF DISCOVERY B 31 45 DISCOVERY DESCRIPTION Surveillance Test 32 80

1 6 ACTIVITY CONTENT Z 33 9 10 RELEASED OF RELEASE Z 34 11 AMOUNT OF ACTIVITY NA 35 44 LOCATION OF RELEASE NA 36 80

1 7 PERSONNEL EXPOSURES NUMBER 0 0 0 37 9 11 TYPE Z 38 12 DESCRIPTION NA 39 13

1 8 PERSONNEL INJURIES NUMBER 0 0 0 40 9 11 DESCRIPTION NA 41 12

1 9 LOSS OF OR DAMAGE TO FACILITY TYPE Z 42 9 10 DESCRIPTION NA 43 11 PUBLICITY ISSUED N 44 9 10 DESCRIPTION NA 45 11

2 0 N 44 9 10 NRC USE ONLY 68 69 80-

RECEIVED DOCUMENT
PROCESSING UNIT

1973 JAN 4 AM 7 29