

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)
DISTRIBUTION FOR INCOMING MATERIAL 50-331

REC: KEPPLER J G
NRC

ORG: HAMMOND E L
IA ELEC LIGHT & PWR

DOCDATE: 01/23/78
DATE RCVD: 01/31/78

DOCTYPE: LETTER NOTARIZED: NO
SUBJECT:

COPIES RECEIVED
LTR 0 ENCL 1

LICENSEE EVENT REPT (RO 50-331/77-97) ON 12/27/77 CONCERNING DURING NORMAL OPERATION THE REACTOR WATER CLEANUP SYSTEM ISOLATED WHEN THE ISOLATION SIGNAL CLEARED MOV 2700 WAS CYCLED TO THE OPEN POSITION BUT WOULD NOT INDICATE FULL OPEN.

PLANT NAME: DUANE ARNOLD

REVIEWER INITIAL: XJM
DISTRIBUTOR INITIAL:

***** DISTRIBUTION OF THIS MATERIAL IS AS FOLLOWS *****

INCIDENT REPORTS
(DISTRIBUTION CODE A002)

FOR ACTION: BRANCH CHIEF LEAR**W/4 ENCL

INTERNAL:

REG FILE**W/ENCL
I & E**W/2 ENCL
SCHROEDER/IPPOLITO**W/ENCL
NOVAK/CHECK**W/ENCL
KNIGHT**W/ENCL
HANAUER**W/ENCL
EISENHUT**W/ENCL
SHAD**W/ENCL
KREGER/J. COLLINS**W/ENCL
L. CROCKER**W/ENCL

NRC PDR**W/ENCL
MIPC**W/3 ENCL
HOUSTON**W/ENCL
GRIMES**W/ENCL
BUTLER**W/ENCL
TEDESCO**W/ENCL
BAER**W/ENCL
VOLLMER/BUNCH**W/ENCL
ROSA**W/ENCL

EXTERNAL:

LPDR'S
CEDAR RAPIDS, IA**W/ENCL
TIC**W/ENCL
NSIC**W/ENCL
ACRS CAT B**W/16 ENCL

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

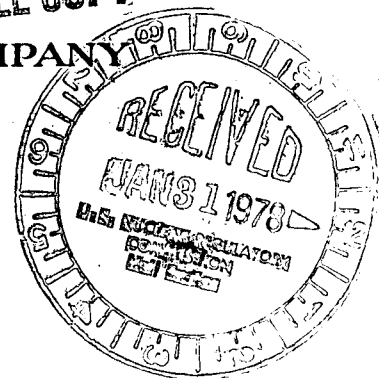
CONTROL NBR: 780310023

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

GD
AD 4

REGULATORY DOCKET FILE COPY
IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406
January 23, 1978
DAEC - 78 - 40



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. 77-97
(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

Acc 2/15
0/11

780310023

LICENSEE EVENT REPORT

CONTROL BLOCK: _____ (1)

(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 14 15 25 26 30 57 CAT 58

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)
0 2 | During normal operation the reactor water cleanup system isolated. When
0 3 | the isolation signal cleared MOV 2700 was cycled to the open position bu
0 4 | t would not indicate full open. An attempt was then made to cycle the va
0 5 | lve closed with no success. Investigation revealed the motor thermal ove
0 6 | rloads were tripped. When reset the valve would cycle closed but the ove
0 7 | rloads would trip again near the end of the opening cycle. Redundant MOV
0 8 | 2701 operable. Operability requirements listed in T.S. Table 3.7-3. 80

0 9 | SYSTEM CODE | C G | 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 18 19 20
17 | LER/RO REPORT NUMBER | 7 7 | 21 | EVENT YEAR | 7 7 | 22 | SEQUENTIAL REPORT NO. | 0 9 7 | 24 | OCCURRENCE CODE | 0 3 | 28 | REPORT TYPE | L | 30 | REVISION NO. | 0 | 32
18 | ACTION TAKEN | Z | 18 | 33 | FUTURE ACTION | X | 19 | 34 | EFFECT ON PLANT | Z | 20 | 35 | SHUTDOWN METHOD | Z | 21 | 36 | HOURS | 0 0 0 0 | 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 | Unknown. Valve was declared operable based on the valves capability of
1 1 | performing its isolation safety function satisfactorily when the therma
1 2 | l overloads are reset after each opening cycle. Valve will be inspected
1 3 | to determine and correct problem during next extended outage. Valve is
1 4 | a Anchor Valve Co. 4 inch gate valve. Operator is a Limitorque SMB-00. 80

1 5 | FACILITY STATUS | E | 28 | 8 | % POWER | 0 9 8 | 29 | 10 12 | OTHER STATUS | NA | 30 | 13 | METHOD OF DISCOVERY | A | 31 | 45 | DISCOVERY DESCRIPTION | Operator Observation | 32 | 46 80

1 6 | ACTIVITY CONTENT | Z | 33 | 7 8 9 | RELEASED OF RELEASE | Z | 34 | 10 11 | AMOUNT OF ACTIVITY | NA | 35 | 12 44 | LOCATION OF RELEASE | NA | 36 | 45 80

1 7 | PERSONNEL EXPOSURES | 0 0 0 | 37 | 7 8 9 | NUMBER | Z | 38 | 10 11 | TYPE | NA | 39 | 12 13 | DESCRIPTION | 80

1 8 | PERSONNEL INJURIES | 0 0 0 | 40 | 7 8 9 | NUMBER | NA | 41 | 10 11 | DESCRIPTION | 80

1 9 | LOSS OF OR DAMAGE TO FACILITY | Z | 42 | 7 8 9 | TYPE | NA | 43 | 10 11 | DESCRIPTION | 80

2 0 | PUBLICITY ISSUED | N | 44 | 7 8 9 | DESCRIPTION | NA | 45 | 10 11 | NRC USE ONLY | 68 69 | 80

9517-02