

A 05/12/78

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

REC: KEPPLER J G  
NRC

ORG: HAMMOND E L  
IA ELEC LIGHT & PWR

DOC DATE: 05/05/78  
DATE RCVD: 05/11/78

DOCTYPE: LETTER NOTARIZED: NO  
SUBJECT:

COPIES RECEIVED  
LTR 1 ENCL 1

FORWARDING LICENSEE EVENT REPT (RD 50-331/78-022) ON 04/06/78 CONCERNING  
DURING SUREVILLANCE TESTING MSIV LEAKAGE CONTROL SYSTEM OUTBOARD ISOLATION  
VALVES MOV 8402B & MOV 8402V DID NOT CLOSE PROPERLY... FAILURE OF MOV 8402B  
MOTOR STARTER CONTACTOR COIL WA

PLANT NAME: DUANE ARNOLD

REVIEWER INITIAL: XJM  
DISTRIBUTOR INITIAL: DL

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

INCIDENT REPORTS  
(DISTRIBUTION CODE A002)

FOR ACTION: BR 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  
SHAO\*\*W/ENCL  
KREGER/J. COLLINS\*\*W/ENCL  
K SEYFRIT/IE\*\*W/ENCL

NRC PDR\*\*W/ENCL  
MIPC\*\*W/3 ENCL  
HOUSTON\*\*W/ENCL  
EEB\*\*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

COPIES NOT SUBMITTED PER  
REGULATORY GUIDE 10.1

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

CONTROL NBR: 781320025

\*\*\*\*\* THE END \*\*\*\*\*

BP  
AD 4

D. Hammond

FILE

# IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER  
P. O. Box 351  
Cedar Rapids, Iowa 52406  
May 5, 1978  
DAEC - 78 - 246

50-331

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. 78-022  
(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

MAY 8 1978

AO 4  
60

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 | 4 | 5  
7 8 9 14 15 25 26 30 57 58  
LICENSEE CODE LICENSE NUMBER LICENSE TYPE CAT 58

CON'T  
0 1 | R | L | 6 | 0 | 5 | 0 | 0 | 0 | 3 | 3 | 1 | 7 | 0 | 4 | 0 | 6 | 7 | 8 | 8 | 0 | 5 | 0 | 5 | 7 | 8 | 9  
7 8 60 61 68 69 74 75 80  
REPORT SOURCE DOCKET NUMBER EVENT DATE REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During surveillance testing MSIV leakage control system outboard isolati  
0 3 | on valves MOV 8402B and MOV 8402C did not close properly. Both valves we  
0 4 | re tested satisfactorily on 3/13/78, five days prior to plant shutdown  
0 5 | for refueling. MSIV-LCS operability requirements listed in Technical Spe  
0 6 | cifications Section 3.7.E. Redundant isolation valves were operable:  
0 7 |  
0 8 |

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

17 | 7 | 8 | 0 | 2 | 2 | 0 | 3 | L | 0 |  
21 22 23 24 26 27 28 29 30 31  
EVENT YEAR SEQUENTIAL REPORT NO. OCCURRENCE CODE REPORT TYPE

B | 18 | Z | 19 | Z | 20 | Z | 21 | 0 | 0 | 0 | 0 | N | 23 | N | 24 | N | 25 | A | 1 | 8 | 0 | 26  
33 34 35 36 37 40 41 42 43 44 47  
ACTION TAKEN FUTURE ACTION EFFECT ON PLANT SHUTDOWN METHOD HOURS ATTACHMENT SUBMITTED NPRD-4 FORM SUB. PRIME COMP. SUPPLIER COMPONENT MANUFACTURER

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | MOV 8402B motor starter contactor coil failed while the valve was being  
1 1 | closed. MOV 8402C motor operator torque switch contacts were dirty. MOV  
1 2 | 8402B contactor coil was replaced and MOV 8402B torque switch contacts  
1 3 | were cleaned. Both valves were tested satisfactorily. MOV 8402B contac  
1 4 | tor coil made by Allis Chalmers. MOV 8402C has a Limitorque Operator.

1 5 | H | 28 | 0 | 0 | 0 | 29 | NA | B | 31 | Surveillance Test  
7 8 9 10 12 13 44 45 46  
FACILITY STATUS % POWER OTHER STATUS METHOD OF DISCOVERY DISCOVERY DESCRIPTION

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

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

1 8 | 0 | 0 | 0 | 40 | NA |  
7 8 9 10 11 12  
PERSONNEL INJURIES NUMBER DESCRIPTION

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

2 0 | N | 44 | NA |  
7 8 9 10  
ISSUED DESCRIPTION

GPO 917-926