

50-331

## NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

INCIDENT REPORT

TO:

Mr. James G. Keppler

FROM:

Iowa Electric Light & Power Co.  
Cedar Rapids, Iowa  
G. G. Hunt

DATE OF DOCUMENT

8/30/76

DATE RECEIVED

9/2/76

☒ LETTER☐ ORIGINAL☒ COPY☐ NOTORIZED☒ UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

One signed copy

## DESCRIPTION

Ltr. trans the following:

ACKNOWLEDGED

DO NOT REMOVE

PLANT NAME:

Duane Arnold

(1-P)

## ENCLOSURE

Licensee Event Report (RO 50-331/76-35A)  
(Update Report) on 5/20/76 concerning  
MSIV leakage control system inlet valves  
8402A & 8402D inadvertently cycling  
when the adjacent valve was being cycled  
during surveillance.

(1-P)

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

FOR ACTION/INFORMATION 9/2/76

RJL

☒ BRANCH CHIEF:

Lear

W/3 CYS FOR ACTION

☒ LIC. ASST.:

Parrish

W/ CYS

ACRS CYS HOLDING/SENT TO LA

## INTERNAL DISTRIBUTION

☒ REG FILE☒ NRC PDR☒ I & E (2)☒ MIPC☒ SCHROEDER/IPPOLITO☒ HOUSTON☒ NOVAK/CHECK☒ GRIMES☒ CASE☒ BUTLER☒ HANAUER☒ TEDESCO/MACCARY☒ EISENHUT☒ BAER☒ SHAO☒ VOLLMER/BUNCH☒ KREGER/J. COLLINS

## EXTERNAL DISTRIBUTION

☒ LPDR: Cedar Rapids, Iowa.☒ TIC:☒ NSIC:

CONTROL NUMBER

8931

# IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER  
P. O. Box 351  
Cedar Rapids, Iowa 52406  
August 30, 1976  
DAEC - 76 - 273



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

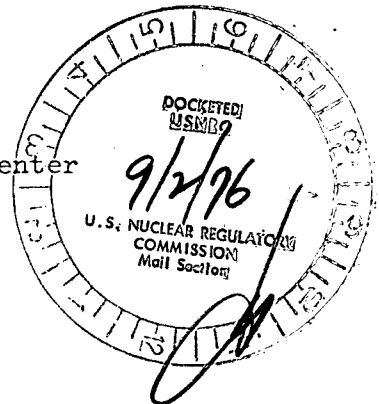
Subject: Licensee Event Report No. 76-35A  
(14 day) Update Report - Previous  
Report Date 060376  
File: A-118a. .

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,

G. G. Hunt  
Chief Engineer  
Duane Arnold Energy Center



Docket 50-331

attachment

GGH/DLW/mg

cc: Director, Office of Inspection and Enforcement (40)  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

8931

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

REGULATORY DOCKET FILE COPY

# LICENSEE EVENT REPORT

UPDATE REPORT - Previous  
Report Date 060376

CONTROL BLOCK: 1 2 3 4 5 6

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME	LICENSE NUMBER	LICENSE TYPE	EVENT TYPE
<span style="border: 1px solid black; padding: 2px;">01</span> I A D A C 1	<span style="border: 1px solid black; padding: 2px;">00</span> - <span style="border: 1px solid black; padding: 2px;">00</span> <span style="border: 1px solid black; padding: 2px;">00</span> <span style="border: 1px solid black; padding: 2px;">00</span> <span style="border: 1px solid black; padding: 2px;">00</span> <span style="border: 1px solid black; padding: 2px;">00</span> <span style="border: 1px solid black; padding: 2px;">00</span> <span style="border: 1px solid black; padding: 2px;">00</span> <span style="border: 1px solid black; padding: 2px;">00</span>	<span style="border: 1px solid black; padding: 2px;">4</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">1</span>	<span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">1</span>
7 8 9 14	15 25	26 30	31 32

CATEGORY	REPORT TYPE	REPORT SOURCE	DOCKET NUMBER	EVENT DATE	REPORT DATE
<span style="border: 1px solid black; padding: 2px;">01</span> CON'T	<span style="border: 1px solid black; padding: 2px;">T</span>	<span style="border: 1px solid black; padding: 2px;">L</span>	<span style="border: 1px solid black; padding: 2px;">05</span> <span style="border: 1px solid black; padding: 2px;">00</span> - <span style="border: 1px solid black; padding: 2px;">03</span> <span style="border: 1px solid black; padding: 2px;">31</span>	<span style="border: 1px solid black; padding: 2px;">05</span> <span style="border: 1px solid black; padding: 2px;">20</span> <span style="border: 1px solid black; padding: 2px;">76</span>	<span style="border: 1px solid black; padding: 2px;">08</span> <span style="border: 1px solid black; padding: 2px;">30</span> <span style="border: 1px solid black; padding: 2px;">76</span>
7 8 57 58	59 60	61 68	69 74	75 80	

## EVENT DESCRIPTION

7	8	9	<span style="border: 1px solid black; padding: 2px;">02</span> MSIV Leakage control system inlet valves 8402A and 8402D inadvertently	80
7	8	9	<span style="border: 1px solid black; padding: 2px;">03</span> cycled when the adjacent valve was being cycled during surveillance	80
7	8	9	<span style="border: 1px solid black; padding: 2px;">04</span> testing. After repair, surveillance testing was increased to weekly for	80
7	8	9	<span style="border: 1px solid black; padding: 2px;">05</span> two months. Results of increased testing indicate that this is not a	80
7	8	9	<span style="border: 1px solid black; padding: 2px;">06</span> recurring problem. (RO 76-35A)	80

SYSTEM CODE	CAUSE CODE	COMPONENT CODE	PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION
<span style="border: 1px solid black; padding: 2px;">07</span> C D	<span style="border: 1px solid black; padding: 2px;">F</span>	<span style="border: 1px solid black; padding: 2px;">V</span> <span style="border: 1px solid black; padding: 2px;">A</span> <span style="border: 1px solid black; padding: 2px;">L</span> <span style="border: 1px solid black; padding: 2px;">V</span> <span style="border: 1px solid black; padding: 2px;">O</span> <span style="border: 1px solid black; padding: 2px;">P</span>	<span style="border: 1px solid black; padding: 2px;">L</span>	<span style="border: 1px solid black; padding: 2px;">L</span> <span style="border: 1px solid black; padding: 2px;">2</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>	<span style="border: 1px solid black; padding: 2px;">Y</span>
7 8 9 10 11	12 17	43	44 47	48	

## CAUSE DESCRIPTION

7	8	9	<span style="border: 1px solid black; padding: 2px;">08</span> Logic relay was not firmly seated in its socket.	80
7	8	9	<span style="border: 1px solid black; padding: 2px;">09</span>	80
7	8	9	<span style="border: 1px solid black; padding: 2px;">10</span>	80

FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
<span style="border: 1px solid black; padding: 2px;">11</span> G	<span style="border: 1px solid black; padding: 2px;">00</span> <span style="border: 1px solid black; padding: 2px;">00</span>	NA	<span style="border: 1px solid black; padding: 2px;">B</span>	Surveillance Testing
7 8 9	10 12 13	44	45 46	

FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE
<span style="border: 1px solid black; padding: 2px;">12</span> Z	<span style="border: 1px solid black; padding: 2px;">Z</span>	NA	NA
7 8 9	10 11	44	45 80

## PERSONNEL EXPOSURES

NUMBER	TYPE	DESCRIPTION
<span style="border: 1px solid black; padding: 2px;">13</span> 0 0 0	<span style="border: 1px solid black; padding: 2px;">Z</span>	NA
7 8 9 11	12 13	

## PERSONNEL INJURIES

NUMBER	DESCRIPTION
<span style="border: 1px solid black; padding: 2px;">14</span> 0 0 0	NA
7 8 9 11	12 80

## OFFSITE CONSEQUENCES

7	8	9	NA	80
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## LOSS OR DAMAGE TO FACILITY

TYPE	DESCRIPTION
<span style="border: 1px solid black; padding: 2px;">16</span> Z	NA
7 8 9 10	

## PUBLICITY

7	8	9	NA	80
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## ADDITIONAL FACTORS

7	8	9	<span style="border: 1px solid black; padding: 2px;">18</span>	80
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7	8	9	<span style="border: 1px solid black; padding: 2px;">19</span>	80
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NAME: M. Schwartz

PHONE: 319-851-5611

*D. Larson*

# IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER  
P. O. Box 351  
Cedar Rapids, Iowa 52406  
August 30, 1976  
DAEC - 76 - 273

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. 76-35A  
(14 day) Update Report - Previous  
Report Date 060376  
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,



G. G. Hunt  
Chief Engineer  
Duane Arnold Energy Center

Docket 50-331

attachment

GGH/DLW/mg

cc: Director, Office of Inspection and Enforcement (40)  
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

SEP 1 1976

# LICENSEE EVENT REPORT

UPDATE REPORT - Previous  
Report Date 060376

CONTROL BLOCK: 1         6

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME <span style="border: 1px solid black; padding: 2px;">01</span> <span style="border: 1px solid black; padding: 2px;">I</span> <span style="border: 1px solid black; padding: 2px;">A</span> <span style="border: 1px solid black; padding: 2px;">D</span> <span style="border: 1px solid black; padding: 2px;">A</span> <span style="border: 1px solid black; padding: 2px;">C</span> <span style="border: 1px solid black; padding: 2px;">1</span>	LICENSE NUMBER <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">-</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">-</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>	LICENSE TYPE <span style="border: 1px solid black; padding: 2px;">4</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">1</span>	EVENT TYPE <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">1</span>
CATEGORY <span style="border: 1px solid black; padding: 2px;">01</span> CONT	REPORT TYPE <span style="border: 1px solid black; padding: 2px;">T</span>	REPORT SOURCE <span style="border: 1px solid black; padding: 2px;">L</span>	DOCKET NUMBER <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">5</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">-</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">3</span> <span style="border: 1px solid black; padding: 2px;">3</span> <span style="border: 1px solid black; padding: 2px;">1</span>
EVENT DATE <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">5</span> <span style="border: 1px solid black; padding: 2px;">2</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">7</span> <span style="border: 1px solid black; padding: 2px;">6</span>	REPORT DATE <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">8</span> <span style="border: 1px solid black; padding: 2px;">3</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">7</span> <span style="border: 1px solid black; padding: 2px;">6</span>		

**EVENT DESCRIPTION**

02 MSIV Leakage control system inlet valves 8402A and 8402D inadvertently

03 cycled when the adjacent valve was being cycled during surveillance

04 testing. After repair, surveillance testing was increased to weekly for

05 two months. Results of increased testing indicate that this is not a

06 recurring problem. (RO 76-35A)

SYSTEM CODE <span style="border: 1px solid black; padding: 2px;">07</span> <span style="border: 1px solid black; padding: 2px;">C</span> <span style="border: 1px solid black; padding: 2px;">D</span>	CAUSE CODE <span style="border: 1px solid black; padding: 2px;">F</span>	COMPONENT CODE <span style="border: 1px solid black; padding: 2px;">V</span> <span style="border: 1px solid black; padding: 2px;">A</span> <span style="border: 1px solid black; padding: 2px;">L</span> <span style="border: 1px solid black; padding: 2px;">V</span> <span style="border: 1px solid black; padding: 2px;">O</span> <span style="border: 1px solid black; padding: 2px;">P</span>	PRIME COMPONENT SUPPLIER <span style="border: 1px solid black; padding: 2px;">L</span>	COMPONENT MANUFACTURER <span style="border: 1px solid black; padding: 2px;">L</span> <span style="border: 1px solid black; padding: 2px;">2</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>	VIOLATION <span style="border: 1px solid black; padding: 2px;">Y</span>
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**CAUSE DESCRIPTION**

08 Logic relay was not firmly seated in its socket.

09

10

FACILITY STATUS <span style="border: 1px solid black; padding: 2px;">11</span> <span style="border: 1px solid black; padding: 2px;">G</span>	% POWER <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>	OTHER STATUS NA	METHOD OF DISCOVERY <span style="border: 1px solid black; padding: 2px;">B</span>	DISCOVERY DESCRIPTION Surveillance Testing
FORM OF ACTIVITY RELEASED <span style="border: 1px solid black; padding: 2px;">12</span> <span style="border: 1px solid black; padding: 2px;">Z</span>	CONTENT OF RELEASE <span style="border: 1px solid black; padding: 2px;">Z</span>	AMOUNT OF ACTIVITY NA	LOCATION OF RELEASE NA	

**PERSONNEL EXPOSURES**

NUMBER <span style="border: 1px solid black; padding: 2px;">13</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>	TYPE <span style="border: 1px solid black; padding: 2px;">Z</span>	DESCRIPTION NA
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**PERSONNEL INJURIES**

NUMBER <span style="border: 1px solid black; padding: 2px;">14</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">0</span>	DESCRIPTION NA
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**OFFSITE CONSEQUENCES**

15 NA

**LOSS OR DAMAGE TO FACILITY**

TYPE <span style="border: 1px solid black; padding: 2px;">16</span> <span style="border: 1px solid black; padding: 2px;">Z</span>	DESCRIPTION NA
--	-------------------

**PUBLICITY**

17 NA

**ADDITIONAL FACTORS**

18

19

NAME: M. Schwartz PHONE: 319-851-5611