

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

6/15/76

DATE RECEIVED

6/19/76

☒ LETTER☐ NOTORIZED

PROP

INPUT FORM

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One Signed

☒ COPY

## DESCRIPTION

Ltr. trans the following:

ACKNOWLEDGED

DO NOT REMOVE

(1-P)

PLANT NAME:

Duane Arnold

## ENCLOSURE

Licensee Event Report (RO 50-331/76-40) on  
6/14/76 concerning MSIV 4420 closing in 2.4  
sec. there-by not meeting tech spec.

(1-P)

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

## SAFETY

## FOR ACTION/INFORMATION

ENVIRO

6/21/76

RJL

☒ BRANCH CHIEF: Lear  
W/3 CYS FOR ACTION  
☒ LIC. ASST.: Parrish  
W/1 CYS  
ACRS 16 CYS HOLDING/SENT TO LA

## INTERNAL DISTRIBUTION

☒ REG FILE  
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☒ EISENHUT  
☒ BAER  
☒ SHAO  
☒ VOLLMER/BUNCH  
☒ KREGER/J. COLLINS

## EXTERNAL DISTRIBUTION

☒ PDR: Cedar Rapids, Io.  
☒ TIC:  
☒ NSIC:

## CONTROL NUMBER

6208

# IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER

P. O. Box 351

Cedar Rapids, Iowa 52406

DAEC -76 - 195

50-331

Regulatory Docket File

June 15, 1976

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. 76-40  
(14 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,

A handwritten signature in dark ink, appearing to read "G. G. Hunt".

G. G. Hunt  
Chief Engineer  
Duane Arnold Energy Center

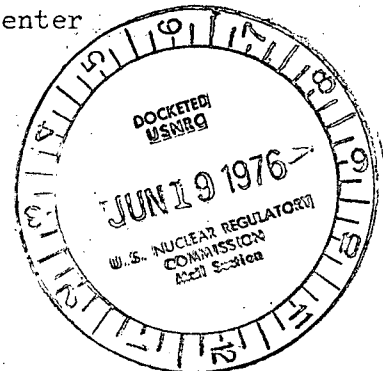
Docket 50-331

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



6208

# LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME						LICENSE NUMBER						LICENSE TYPE				EVENT TYPE								
01	I	A	D	A	C	1	0	0	-	0	0	0	0	-	0	0	4	I	1	1	1	0	1	
7	8	9				14	15									25	26					30	31	32

CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER				EVENT DATE				REPORT DATE											
01	CON'T	T	L	0	5	0	-	0	3	3	1	0	6	1	4	7	6	0	6	1	5	7	6
7	8	57	58	59	60	61					68	69					74	75					80

**EVENT DESCRIPTION**

02	During Surveillance testing (47D004), MSIV 4420 closed in 2.4 sec. Limit	80
03	is greater than 3 and less than 5 sec. (RO 76-40)	80
04		80
05		80
06		80

SYSTEM CODE	CAUSE CODE	COMPONENT CODE				PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER	VIOLATION							
07	C	D	E	V	A	L	V	O	P	N	R	3	4	0	Y
7	8	9	10	11	12				17	43	44			47	48

**CAUSE DESCRIPTION**

08	Because the MSIV 4420 is inside the drywell, the exact cause of the fast	80
09	time is not known. MSIV 4421 (outside drywell on same steam line) was	80
10	closed to conform to Technical Specifications and allow continued plant	80

FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION						
11	F	0	6	0	NA	B	Surveillance Testing			
7	8	9	10	11	12	13	44	45	46	80

FORM OF ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY	LOCATION OF RELEASE				
12	Z	Z	NA				
7	8	9	10	11	44	45	80

**PERSONNEL EXPOSURES**

NUMBER	TYPE	DESCRIPTION				
13	0	0	0	Z	NA	
7	8	9	11	12	13	80

**PERSONNEL INJURIES**

NUMBER	DESCRIPTION				
14	0	0	0	NA	
7	8	9	11	12	80

**OFFSITE CONSEQUENCES**

15	NA	80
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**LOSS OR DAMAGE TO FACILITY**

TYPE	DESCRIPTION			
16	Z	NA		
7	8	9	10	80

**PUBLICITY**

17	NA	80
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**ADDITIONAL FACTORS**

18	Cause Desc. - Cont. operation. Supplemental report to be submitted	80
19	at a later date.	80

NAME: E. Hammond

PHONE: 319-851-5611

*D. Latham*

# IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER  
P. O. Box 351  
Cedar Rapids, Iowa 52406  
DAEC -76 - 195

June 15, 1976

**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. 76-40  
(14 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,



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

JUN 17 1976

# LICENSEE EVENT REPORT

CONTROL BLOCK: 1             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;">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;">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;">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> CONT	<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;">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;">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>	<span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">6</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">4</span> <span style="border: 1px solid black; padding: 2px;">7</span> <span style="border: 1px solid black; padding: 2px;">6</span>	<span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">6</span> <span style="border: 1px solid black; padding: 2px;">1</span> <span style="border: 1px solid black; padding: 2px;">5</span> <span style="border: 1px solid black; padding: 2px;">7</span> <span style="border: 1px solid black; padding: 2px;">6</span>
7 8	57 58	59 60	61                                      68	69                                      74	75                                      80

**EVENT DESCRIPTION**

<span style="border: 1px solid black; padding: 2px;">02</span> 7 8 9	During Surveillance testing (47D004), MSIV 4420 closed in 2.4 sec. Limit	80
<span style="border: 1px solid black; padding: 2px;">03</span> 7 8 9	is greater than 3 and less than 5 sec. (RO 76-40)	80
<span style="border: 1px solid black; padding: 2px;">04</span> 7 8 9		80
<span style="border: 1px solid black; padding: 2px;">05</span> 7 8 9		80
<span style="border: 1px solid black; padding: 2px;">06</span> 7 8 9		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;">E</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;">0</span> <span style="border: 1px solid black; padding: 2px;">P</span>	<span style="border: 1px solid black; padding: 2px;">N</span>	<span style="border: 1px solid black; padding: 2px;">R</span> <span style="border: 1px solid black; padding: 2px;">3</span> <span style="border: 1px solid black; padding: 2px;">4</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**

<span style="border: 1px solid black; padding: 2px;">08</span> 7 8 9	Because the MSIV 4420 is inside the drywell, the exact cause of the fast	80
<span style="border: 1px solid black; padding: 2px;">09</span> 7 8 9	time is not known. MSIV 4421 (outside drywell on same steam line) was	80
<span style="border: 1px solid black; padding: 2px;">10</span> 7 8 9	closed to conform to Technical Specifications and allow continued plant	80

FACILITY STATUS	% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
<span style="border: 1px solid black; padding: 2px;">11</span> F	<span style="border: 1px solid black; padding: 2px;">0</span> <span style="border: 1px solid black; padding: 2px;">6</span> <span style="border: 1px solid black; padding: 2px;">0</span>	NA	<span style="border: 1px solid black; padding: 2px;">B</span>	Surveillance Testing
7 8 9	10 12 13	44	45 46	80

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	80

**PERSONNEL INJURIES**

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

**OFFSITE CONSEQUENCES**

<span style="border: 1px solid black; padding: 2px;">15</span> 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	80

**PUBLICITY**

<span style="border: 1px solid black; padding: 2px;">17</span> 7 8 9	NA	80
---	----	----

**ADDITIONAL FACTORS**

<span style="border: 1px solid black; padding: 2px;">18</span> 7 8 9	Cause Desc. - Cont. operation. Supplemental report to be submitted	80
<span style="border: 1px solid black; padding: 2px;">19</span> 7 8 9	at a later date.	80

NAME: E. Hammond

PHONE: 319-851-5611

UNITED STATES  
NUCLEAR REGULATORY COMMISSION  
REGION III  
799 ROOSEVELT ROAD  
GLEN ELLYN, ILLINOIS 60137

Incident Notification From: Iowa Electric Light & Power Co. 50-331  
(Licensee & Docket No. (or License No.))

Transmittal Date: June 18, 1976 Duane Arnold Energy Center

Distribution:

IE Chief, FOSB  
IE Chief, FC&EB  
IE:HQ(4)  
Licensing(4)  
DR Central Files  
IE Files

Distribution:

IE Chief, FOSB  
IE Chief, FC&EB  
IE:HQ(4)  
L:D/D for Fuels & Materials  
DR Central Files  
IE Files

# IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER  
P. O. Box 351  
Cedar Rapids, Iowa 52406  
DAEC -76 -192

June 14, 1976

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

Subject: Prompt Notification of a  
Reportable Occurrence

File: A-118a

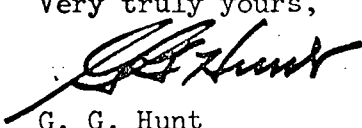
Dear Mr. Keppler:

This letter, telecopied to your office, is intended to satisfy the requirement for prompt notification of a Reportable Occurrence in accordance with Specification 6.11.2.a of the Duane Arnold Energy Center Technical Specifications.

Technical Specification paragraph(s) violated: 3.7.D.1

Description Occurrence: During performance of Surveillance Test Procedure No. 47D004, Main Steam Isolation Valve Trip/Closure Time Check, inboard MSIV 4420 closed in 2.4 seconds. Limit is  $3 < T < 5$  seconds. Outboard MSIV 4421 closed to allow plant operation to continue.

Very truly yours,

  
G. G. Hunt  
Chief Engineer  
Duane Arnold Energy Center

GGH/DLW/mg  
76-40

Director, Management Information and Program Control (2)  
U. S. Nuclear Regulatory Commission  
Washington, D.C. 20555

JUN 17