

**NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL**  
(TEMPORARY FORM)

CONTROL NO: 12681

FILE: INCIDENT REPORT FILE

FROM: Iowa Elec. Light & Pwr. Co. Palo, Iowa G.G. Hunt		DATE OF DOC 10-24-75	DATE REC'D 11-4-75	LTR XX	TWX	RPT	OTHER
TO: Mr. James G. Keppler		ORIG 1 signed	CC	OTHER	SENT AEC PDR XX SENT LOCAL PDR XX		
CLASS	UNCLASS XXXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-331		

DESCRIPTION: Ltr trans the following:

ENCLOSURES: Abnormal Occurrence A0-50-331/  
75-55 on 10-16-75 re a missing fuse in the  
interlock circuit.....

(1 cy encl rec'd)

**Do Not Remove**

**ACKNOWLEDGED**

PLANT NAME: Duane Arnold Plant

**FOR ACTION/INFORMATION**

DHL 11-6-75

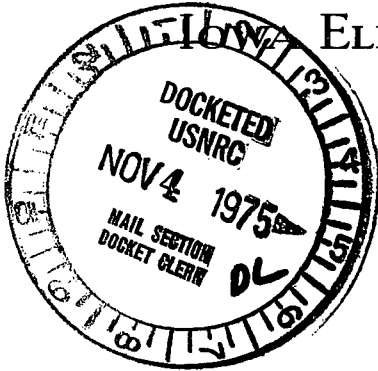
BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/ Copies
CLARK (L) W/ Copies	STOLZ (L) W/ Copies	DICKER (E) W/ Copies	LEAR (L) W/ Copies
PARR (L) W/ Copies	VASSALLO (L) W/ Copies	KNIGHTON (E) W/ Copies	SPELS W/ Copies
KNIEL (L) W/ Copies	PURPLE (L) W/ Copies	YOUNGBLOOD (E) W/ Copies	W/ Copies

**INTERNAL DISTRIBUTION**

<b>REG FILE</b>	<b>TECH REVIEW</b>	<b>DENTON</b>	<b>LIC ASST</b>	<b>A/T IND.</b>
- NRC PDR	- SCHROEDER	** GRIMES	R. DIGGS (L)	BRAITMAN
- OGC, ROOM P-506A	- MACCARY	GAMMILL	H. GEARIN (L)	SALTZMAN
- GOSSICK/STAFF	KNIGHT	KASTNER	E. GOULBOURNE (L)	MELTZ
- CASE	PAWLICKI	BALLARD	P. KREUTZER (E)	
- GIAMBUSSO	SHAO	SPANGLER	J. LEE (L)	<b>PLANS</b>
- BOYD	** STELLO		M. RUSHBROOK (L)	MCDONALD
- MOORE (L)	** HOUSTON	<b>ENVIRO</b>	S. REED (E)	CHAPMAN
- DEYOUNG (L)	** NOVAK	MULLER	M. SERVICE (L)	DUBE (Ltr)
- SKOVHOLT (L)	- ROSS	DICKER	S. SHEPPARD (L)	E. COUPE
- GOLLER (L) (Ltr)	- IPPOLITO	KNIGHTON	M. SLATER (E)	PETERSON
- P. COLLINS	- TEDESCO	YOUNGBLOOD	H. SMITH (L)	HARTFIELD (2)
- DENISE	J. COLLINS	REGAN	✓ TEETS (L)	- KLECKER
- REG OPR	LAINAS	PROJECT LDR	G. WILLIAMS (E)	EISENHUT
- FILE & REGION (2)	BENAROYA		V. WILSON (L)	* WIGGINTON
- MPC/PE (3)	- VOLLMER	<b>HARLESS</b>	R. INGRAM (L)	- F. WILLIAMS
- STEELE			M. DUNCAN (E) PR	- HANAUER

**EXTERNAL DISTRIBUTION**

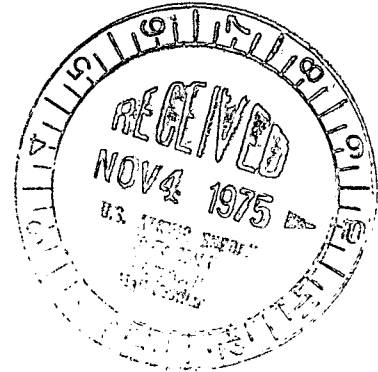
- 1 - LOCAL PDR Cedar Rapids, Iowa	- 1 - NATIONAL LABS	1 - PDR-SAN/LA/NY
- 1 - TIC (ABERNATHY) (1)(2)(10)	- 1 - W. PENNINGTON, Rm E-201 GT	1 - BROOKHAVEN NAT LAB
- 1 - NSIC (BUCHANAN)	- 1 - CONSULTANTS	1 - G. ULRIKSON, ORNL
1 - ASLB	NEWMARK/BLUME/AGBABIAN	1 - AGMED (RUTH GUSSMAN)
1 - Newton Anderson		Rm B-127 GT
- 5 ACRS S. Teets 11-6-75		1 - J. D. RUNKLES, Rm E-201
** SEND ONLY TEN DAY REPORTS		GT



# ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA  
DUANE ARNOLD ENERGY CENTER  
PALO, IOWA  
OCTOBER 24, 1975  
DAEC - 75 - 395



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: Abnormal Occurrence A.O. 50-331/75-55  
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, please find enclosed a written report on the subject abnormal occurrence.

Very truly yours,

G. G. Hunt  
Chief Engineer  
Duane Arnold Energy Center

DLW/GGH/mg

cc: B. C. Rusche  
D. Arnold  
J. A. Wallace  
L. Liu  
H. W. Rehrauer - Chairman, Safety Committee  
J. R. Newman  
E. L. Hammond

12681

OCT 28 1975

# IOWA ELECTRIC LIGHT AND POWER COMPANY

*General Office*

CEDAR RAPIDS, IOWA

Subject: Abnormal Occurrence  
Report Number: AO 50-331/75-55  
Report Date: October 24, 1975  
Occurrence Date: October 16, 1975  
Facility: Duane Arnold Energy Center, Unit No. 1, Palo, Iowa

10-24-75

## Identification of Occurrence

Secondary containment violation, reportable in accordance with Appendix A to Operating License DPR-49, Specifications 1.0.4.b and 3.7.C.1.

## Conditions Prior to Occurrence

Reactor at rated pressure and temperature  
1247 MW thermal  
336 MW electric

## Description of Occurrence

While testing personnel airlock interlock functions during a routine plant inspection, an NRC Inspector determined that he was able to open simultaneously both personnel doors to the railroad access.

## Designation of Apparent Cause of Occurrence

The cause of the occurrence was a missing power fuse in the interlock circuit.

## Analysis of Occurrence

The occurrence did not present an unsafe plant condition. It has been previously demonstrated that the standby gas treatment system is capable of maintaining the required secondary containment negative pressure with both doors to one of the personnel access airlocks open.

## Corrective Action

A fuse was installed in the railroad personnel access door interlock circuit.

A design change to provide positive interlocking of all secondary containment airlock doors is in the process of being implemented. The design change involves a modification of the present interlock. Pending completion of the design change, additional instructions will be placed on unmodified doors to alert personnel to the requirement for not opening both doors to an airlock simultaneously.

In addition, personnel from the Nuclear Regulatory Commission will be requested to contact the on-duty Shift Supervising Engineer prior to performing a test involving the attempt to open two airlock doors simultaneously. The Shift Supervisor will ensure all requirements for maintaining secondary containment can be satisfied prior to giving approval for the test.

Conclusion

This report was reviewed and approved by the DAEC Operations Committee on October 24, 1975. The Committee concluded that the occurrence did not present a hazard to the health and safety of the public.



G. G. Hunt  
Chief Engineer  
Duane Arnold Energy Center

DLW/GGH/mg