

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

CONTROL NO: 81

FILE: INCIDENT REPORT FI

FROM: Iowa Elec. Light & Power Cedar Rapids, Iowa E.L. Hammond			DATE OF DOC 12-22-75	DATE REC'D 1-6-76	LTR XXX	TWX	RPT	OTHER
TO: J.G. Keppler			ORIG 1 Signed	CC 0	OTHER	SENT AEC PDR <u>XXX</u> SENT LOCAL PDR <u>XXX</u>		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-331		

**DESCRIPTION:**

Letter trans the following.....

**ENCLOSURES:**

Abnormal Occurrence # 75-69, on 12-12-75,  
Concerning inoperable low pressure valve  
switch.....

(1 Copy Received)

PLANT NAME: Duane Arnold # 1

FOR ACTION/INFORMATION

SAB 1-~~6~~-76

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	REID W/ Copies

**ACKNOWLEDGED**

**DO NOT REMOVE**

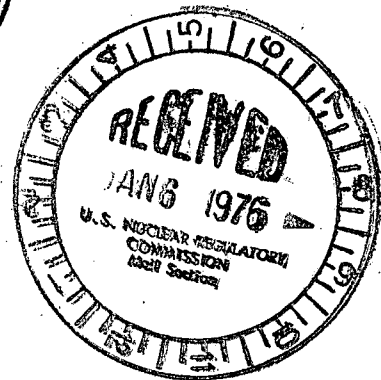
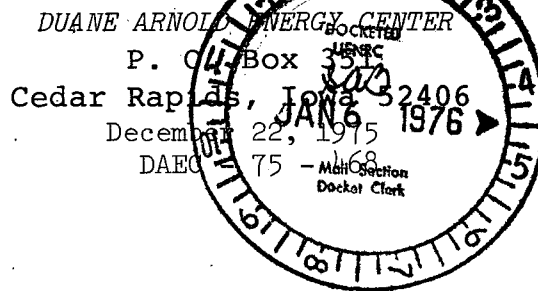
**INTERNAL DISTRIBUTION**

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

**EXTERNAL DISTRIBUTION**

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

# IOWA ELECTRIC LIGHT AND POWER COMPANY



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

Subject: Abnormal Occurrence No.  
AO 50-331/75-69

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,

*E. L. Hammond*

E. L. Hammond  
Assistant Chief Engineer  
Duane Arnold Energy Center

DLW/ELH/mg

cc: B. C. Rusche  
D. Arnold  
J. Wallace  
L. Liu  
H. Rehrauer - Chairman, Safety Committee  
J. Newman  
G. Hunt

# IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER  
P. O. Box 351  
Cedar Rapids, Iowa 52406

Subject: Abnormal Occurrence  
Report Number: AO 50-331/75-69  
Report Date: December 22, 1975  
Occurrence Date: December 12, 1975  
Facility: Duane Arnold Energy Center, Unit No. 1, Palo, Iowa

## Identification of Occurrence

Closed low pressure instrument line valve (recirculation pump dP), reportable in accordance with Appendix A to Operating License DPR-49, Specification 1.0.4.d.

## Description of Occurrence

During a routine plant inspection following a reactor shutdown, it was determined that the low pressure valve on the instrument line to PDIS 4626C was closed, this made the switch inoperative.

## Designation of Apparent Cause of Occurrence

The cause of the occurrence was personnel error. The valve apparently was not returned to the open position following the completion of surveillance testing in November, 1975.

## Analysis of Occurrence

The subject pressure differential indicating switch is a component of the LPCI loop selection logic and determines whether the recirculation pumps are running. Four switches are arranged in a one-out-of-two-twice logic across each recirculation pump. Since the November surveillance test was performed with the recirculation pumps running, PDIS 4626C would have remained in a tripped condition even if the respective recirculation pump were shutdown. However, a false "pump running" signal would not have been transmitted to the LPCI Loop Selection logic since a trip would have been required in the other trip system for the same pump. Therefore, the occurrence did not present an unsafe plant condition.

## Corrective Action

The appropriate maintenance personnel will be reinstructed as to the requirements

for positive verification that instrumentation isolation valves are returned to the open position following the completion of surveillance testing.

Conclusion

This report was reviewed and approved by the DAEC Operations Committee on December 22, 1975. The Committee concluded that the occurrence did not present a hazard to the health and safety of the public.

*E. L. Hammond*

E. L. Hammond  
Assistant Chief Engineer  
DAEC

DLW/ELH/mg