

**NO DISTRIBUTION FOR PART 50 DOCUMENT MATERIAL  
(TEMPORARY FORM)**

CONTROL NO: 8054

FILE: INCIDENT REPORT FILE

FROM: Iowa Electric Light & Power Cedar Rapids, Iowa G G Hunt		DATE OF DOC 7-22-75	DATE REC'D 7-29-75	LTR XX	TWX	RPT	OTHER
TO: Mr. Keppler		ORIG 1 signed	CC	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: Ltr trans the following:

**ACKNOWLEDGED  
DO NOT REMOVE**

PLANT NAME: Duane Arnold

ENCLOSURES: Abnormal Occurrence Report No. AO 50-331/75-37 on 7-12-75; Inoperable Drywell Floor Drain Outboard Isolation Valve....

1 copy encl rec'd

FOR ACTION/INFORMATION wtm 8-1-75

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/3 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

<u>REG FILE</u> NRC PDR OGC, ROOM P-506A GOSSICK/STAFF CASE GIAMBUSO BOYD MOORE (L) DEYOUNG (L) SKOVHOLT (L) GOLLER (L) (Ltr) P. COLLINS DENISE REG OPR FILE & REGION (2) MIPC/PE (3) STEELE	TECH REVIEW 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	LIC ASST 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)	A/T IND. BRAITMAN SALTZMAN MELTZ  PLANS MCDONALD CHAPMAN DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) KLECKER EISENHUT WIGGINTON F. WILLIAMS HANAUER
--	---	--	--	--

EXTERNAL DISTRIBUTION

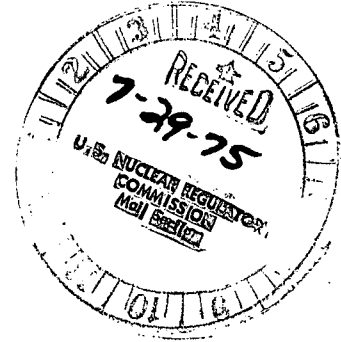
1 - LOCAL PDR <b>CEDAR RAPIDS, IOWA</b>	1 - NATIONAL LABS	1 - PDR-SAN/LA/NY
1 - TIC (ABERNATHY) (1)(2)(10)	1 - W. PENNINGTON, Rm E-201 GT	1 - BROOKHAVEN NAT LAB
1 - NSIC (BUCHANAN)	1 - CONSULTANTS	1 - G. ULRIKSON, ORNL
1 - ASLB	NEWMARK/BLUME/AGBABIAN	1 - AGMED (RUTH GUSSMAN) Rm B-127 GT
1 - Newton Anderson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

Regulatory Packet File

# IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA  
DUANE ARNOLD ENERGY CENTER  
PALO, IOWA  
JULY 22, 1975  
DAEC - 75 - 293



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 No. A.O. 50-331/75-37  
File: A-110, A-118a

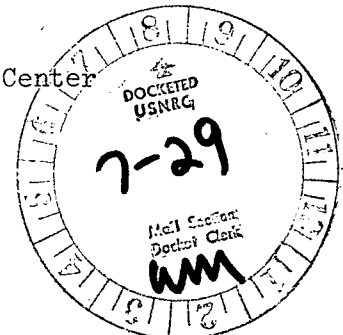
Dear Mr. Keppler:

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.

Mr. C. Feierabend, of your office, was notified of the abnormal occurrence on July 12, 1975.

Very truly yours,

G. G. Hunt  
Chief Engineer  
Duane Arnold Energy Center



OCS/GGH/mg

Enclosure

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

JUL 24 1975

8054

# IOWA ELECTRIC LIGHT AND POWER COMPANY

*General Office*

CEDAR RAPIDS, IOWA

Subject: Abnormal Occurrence  
Report Number: AO 50-331/75-37  
Report Date: July 22, 1975  
Occurrence Date: July 12, 1975  
Facility: Duane Arnold Energy Center, Unit No. 1, Palo, Iowa

## Identification of Occurrence

Inoperable Drywell Floor Drain Outboard Isolation Valve, reportable in accordance with Appendix A to Operating License DPR-49, Specifications 1.0.4.b and 3.7.D.1.

## Description of Occurrence

During the performance of Surveillance Test Procedure 47D003, Valve Functional Test, Drywell Floor Drain Outboard Isolation Valve CV-3705 did not fully close.

## Designation of Apparent Cause of Occurrence

The apparent cause of the occurrence was unequal tension on the springs which operate between the valve and the air operator. A metal plate slides up and down on the rods between the operator and valve with the springs on top of the plate. When the air supply is cut off the springs push down on the metal plate causing it to slide down the rods and close the valve. Unequal tension on the springs caused the metal plate to bind on the rods and fail to fully close. This same problem occurred March 27, 1975 (A.O. 50-331/75-16) although the cause of the problem was not determined at that time. Since the cause could not be determined, at that time, a commitment was made to increase surveillance of the valve from quarterly to twice weekly for a period of one month.

STP 47D003 consists of surveillance requirements for 23 valves and only one of those required the increased surveillance. Therefore, in an effort to implement the increased surveillance for only one valve a departure was made from the standard surveillance scheduling mechanism for increased frequency. The new method was found to be inadequate for repeated surveillance.

## Analysis of Occurrence

The other Drywell Floor Drain Outboard Isolation Valve responded correctly during the surveillance test thus insuring that the integrity of the primary containment would not be violated upon receipt of an isolation signal. Therefore, the occurrence did not present a hazard to the health and safety of the public.

Corrective Action

The tension on the springs was adjusted so that it was equal on all springs and the valve was retested to demonstrate full closing. In the future, when additional surveillance is required on only a portion of the equipment listed in the surveillance test procedure, the appropriate parts of the surveillance test will be issued so that the additional test requirement will not be overlooked.

Conclusion

This report was reviewed and approved by the DAEC Operations Committee on July 22, 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

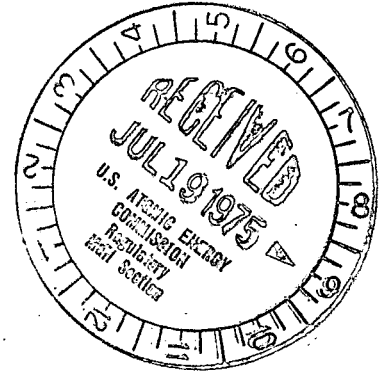
OCS/GGH/mg

# IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA  
DUANE ARNOLD ENERGY CENTER  
PALO, IOWA  
JULY 14, 1975  
DAEC -75 -283

50-331 / 75-37



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

SUBJECT: Abnormal Occurrence

FILE: A-110, A-118a

Dear Mr. Keppler:

In accordance with the DAEC Technical Specifications, Section 6.11.2.A.1, this letter is intended as notification of an abnormal occurrence at the Duane Arnold Energy Center on July 12, 1975. Mr. C. Feierabend of your office was notified of the occurrence during his site inspection on July 12, 1975.

### Identification of Occurrence

Inoperable Drywell Floor Drain Outboard Isolation Valve, reportable in accordance with Appendix A to Operating License DPR-49, Specifications 1.0.4.b and 3.7.D.1.

### Description of Occurrence

During the performance of Surveillance Test Procedure No. 47D003, Drywell Floor Drain Outboard Isolation Valve CV-3705 did not fully close.

The plant was in a shutdown condition at the time the surveillance test was performed and will remain in that condition until repair of the valve and retesting is complete.

Investigation is continuing.

A formal written report will be submitted to the Office of Inspection and Enforcement within 10 days of the subject abnormal occurrence.

Very truly yours,

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

G. G. Hunt  
Chief Engineer  
Duane Arnold Energy Center

DLW/GGH/mg

cc: (B. C. Rusche,) C. W. Sandford, J. A. Wallace, L. D. Root, E. L. Hammond,  
H. W. Rehrauer, B. R. York, R. R. Rinderman, G. A. Cook, D. L. Wilson