

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

CONTROL NO: 8086

FILE: INCIDENT REPORT FILE

FROM: Iowa Elec. Light & Pwr. Co. Palo, Iowa G.G. Hunt			DATE OF DOC 7-24-75	DATE REC'D 7-30-75	LTR XX	TWX	RPT	OTHER
TO: Mr. J. G. Keppler			ORIG 1 signed	CC	OTHER	SENT AEC PDR XX SENT LOCAL PDR XX		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-331			

DESCRIPTION: Ltr trans the following:

ENCLOSURES: Abnormal Occurrence AO-50-331/
75-39 on 7-21-75 re instrument drift
concerning the Pressure Differential
Indicating Switch....

(1 cy encl rec'd)

Do Not Remove

ACKNOWLEDGED

PLANT NAME: Duane Arnold Plant

FOR ACTION/INFORMATION

DHL 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	

INTERNAL DISTRIBUTION

REG FILE 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
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EXTERNAL DISTRIBUTION

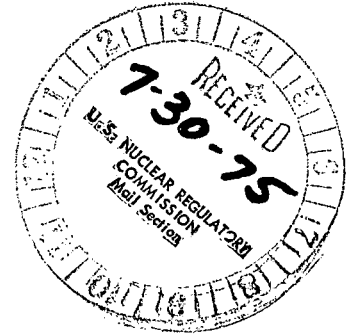
1 - LOCAL PDR Cedar Rapids, Iowa	1 - NATIONAL LABS	1 - PDR-SAN/LA/NY
1 - TIC (ABERNATHY) (1)(2)(10)	1 - W. PENNINGTON, Rm E-201 GT	1 - BROOKHAVEN NAT LAB
1 - NSIC (BUCHANAN)	1 - CONSULTANTS	1 - G. ULRICKSON, ORNL
1 - ASLB	NEWMARK/BLUME/AGBABIAN	1 - AGMED (RUTH GUSSMAN) Rm B-127 GT
1 - Newton Anderson	S. Teets 8-1-75	1 - J. D. RUNKLES, Rm E-201 GT
1 - ACRS SENT TO LIC ASST		
** SEND ONLY TEN DAY REPORTS		

Regulatory Docket File

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA
DUANE ARNOLD ENERGY CENTER
PALO, IOWA
JULY 24, 1975
DAEC -75 -295



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. AO 50-331/75-39

File: A-110, A-118a

Dear Mr. Keppler:

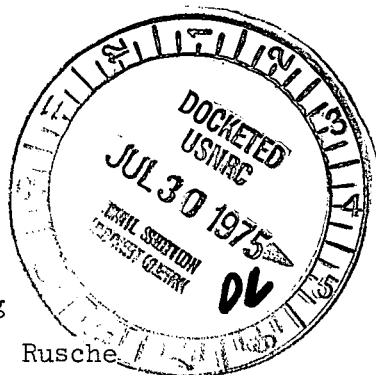
In accordance with Appendix A to Operating License DPR-49, Technical Specifications and Bases for Duane Arnold Energy Center, please find enclosed a written report on the subject abnormal occurrence.

Mr. C. D. Feierabend, of your office, was notified of the abnormal occurrence by telephone on July 22, 1975.

Very truly yours,

A handwritten signature in cursive script, appearing to read "G. G. Hunt".

G. G. Hunt
Chief Engineer
Duane Arnold Energy Center



OCS/GGH/mg

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

JUL 28 1975

80 86

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA

Subject: Abnormal Occurrence
Report Number: AO 50-331/75-39
Report Date: July 24, 1975
Occurrence Date: July 21, 1975
Facility: Duane Arnold Energy Center

Approved by Lir Date 7-24-75

Identification of Occurrence

Core Spray Sparger Pressure Vessel Differential Pressure Trip Level Setting reportable per Appendix A, Operating License DPR-49, Specification 1.0.4.b and Table 3.2-B.

Description of Occurrence

During the performance of Surveillance Test Procedure (STP) 42B018, "Sparger High DP Instrument Functional Test/Calibration", it was found that Pressure Differential Indicating Switch (PDIS) 2139 was set at 3.2 psid. Table 3.2-B lists the correct value as 0.74 psid plus or minus 0.25 psid for instrument tolerance. To this setting (0.74) is added 2.0 psid for zero depression due to sensor line water density difference caused by the change in water temperature between rated reactor power and shutdown. The correct trip level setting is therefore 2.74 ± 0.25 psid.

Designation of Apparent Cause of Occurrence

The apparent cause of the occurrence was instrument drift.

Analysis of Occurrence

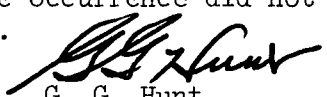
Instrument Channel A was operable, so the out-of-calibration condition of PDIS 2139 (Instrument Channel B) would not have prevented the system from performing its intended safety function and the occurrence did not present an unsafe plant condition.

Corrective Action

The switch was immediately recalibrated and functionally tested.

Conclusion

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

OCS/GGH/mg