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Iowa Electric Light & Power Co. Cedar Rapids, Iowa G. G. Hunt	5-21-74	5-24-74	X			

TO:	ORIG	CC	OTHER	SENT AEC PDR	SENT LOCAL PDR
James G. Keppler	1	1		XXX	XXX

CLASS	UNCLASS	PROP INFO	INPUT	NO CYS REC'D	DOCKET NO:
	XXX			2	50-331

DESCRIPTION:

Ltr trans the following.....

ENCLOSURES:

Abnormal Occurrence Rpt #DPR 49/74-5 of 5-14-74 in which safety system pressure switch setting was less conservative than the limiting in Tech Specs

ACKNOWLEDGED
DO NOT REMOVE

PLANT NAME:

FOR ACTION/INFORMATION

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P. COLLINS	✓IPPOLITO	YOUNGBLOOD	SMITH (L)	✓EISENHUT
DENISE	✓TEDESCO LW	REGAN	TEETS (L)	
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IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office
CEDAR RAPIDS, IOWA
DUANE ARNOLD ENERGY CENTER
PALO, IOWA

MAY 21, 1974
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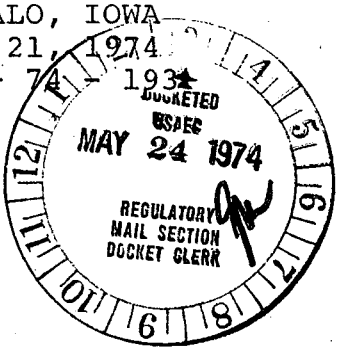

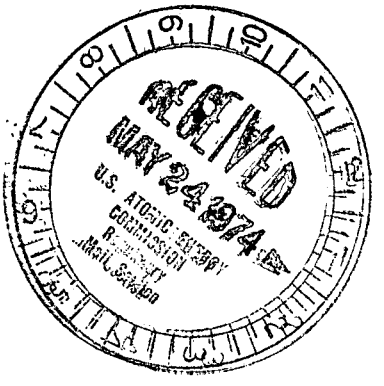

Mr. James G. Keppler
Regional Director
Directorate of Regulatory Operations
U. S. Atomic Energy Commission
Region III
799 Roosevelt Road
Glen Ellyn, Illinois 60137

50-331

SUBJECT: Abnormal Occurrence No. DPR 49/74-5
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. Mr. D. Boyd, of your office, was notified of the occurrence by telephone approximately 1645 hours on May 14, 1974.

Very truly yours,

G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

Enclosure
DLW/GGH/bh

CC: John O'Leary
Washington, D.C.
C. W. Sandford
J. A. Wallace
E. L. Hammond
B. R. York
D. L. Wilson
H. W. Rehrauer-Chairman, Safety Committee
L. D. Root
J. Newman
B. Hopkins

4661

REGULATORY DOCKET FILE COPY

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA

DUANE ARNOLD ENERGY CENTER
PALO, IOWA

Subject: Abnormal Occurrence

Report Number: DPR 49/74-5

Report Date: May 18, 1974

Occurrence Date: May 14, 1974

Facility: Duane Arnold Energy Center, Unit No. 1, Palo, Iowa

Identification of Occurrence

Safety System pressure switch setting less conservative than the limiting setting established in the Technical Specifications, Section 3.2.B (Containment High Pressure).

Conditions Prior to Occurrence

1. Routine Startup Operation
2. Reactor Subcritical
3. Reactor Water Temperature (Bottom Head Drain) - 183°F.
4. Reactor Pressure - atmospheric, vents open

Description of Occurrence

During the conduct of Surveillance Test No. 42B004 - Drywell High Pressure (RHR) Instrument Functional Test and Calibration, it was determined that pressure switch 4311C (Channel B1) tripped at 2.12 psig.

Designation of Apparent Cause of Occurrence

The apparent cause of the occurrence was instrument drift. No other cause could be determined.

Analysis of Occurrence

The occurrence has been analyzed and it has been determined that it did not have a deleterious effect on plant safety. This conclusion is based on the following:

1. During the Surveillance Test, a redundant pressure switch in the same trip channel was determined to be operable and within Technical Specification limits.

2. During the Surveillance Test, the switch tripped .02 psig above the Technical Specifications limit of 2.1 psig. (Table 3.2-B limit of 2.0 psig plus an instrument tolerance of ±.1 psig). This deviation from Technical Specification limits is not considered significant.

3. The subject pressure switch is a component of the logic which prevents inadvertent operation of the Containment Spray System at low drywell pressures. Although the pressure switch trip setting was outside of limits set forth in the Technical Specifications, the deviation was in the conservative direction.

4. In accordance with Section 5.2.9 of Amendment 2 to the Duane Arnold Energy Center Final Safety Analysis Report, the Containment Spray System is not required for plant safety.

Corrective Action

The subject pressure switch was immediately calibrated and functionally tested. The functional test indicated that the switch was operating properly.

A program to monitor trends in Surveillance Test data is now being formulated. Such a program will help identify instruments with excessive drift characteristics and help prevent repetition of like occurrences.

Conclusion

The contents of this report including corrective actions were reviewed and approved by the D.A.E.C. Operations Committe on May 18, 1974. The Committee concluded that the health and safety of the public and plant personnel was not impaired.

G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

DLW/GGH/mg