

FILE: \_\_\_\_\_

✓ - LOCAL PDR Cedar Rapids, Io  
✓ - TIC (ABERNATHY) (1)(2)(10) - NATIONAL LABS \_\_\_\_\_ 1 - PDR SAN/LA/NY  
✓ - NSIC (BUCHANAN) 1 - ASLB(P/E/W Bldg, Rm 529) 1 - BROOKHAVEN NAT LAB  
1 - ASLB 1 - W. PENNINGTON, Rm E-201 GT 1 - G. ULRIKSON, ORNL  
1 - Newton Anderson 1 - B&M SWINEBROAD, Rm E-201 GT 1 - AGMED (RUTH GUSSMAN)  
1 - ACRS ~~PO BOX 10~~ 1 - CONSULTANTS Rm B-127 GT  
Sent to Lic. Asst. NEWMARK/BLUME/AGBABIAN 1 - R. D. MUELLER, Rm E-201 GT

Regulatory

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# IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

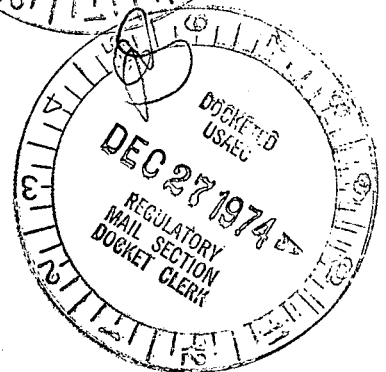
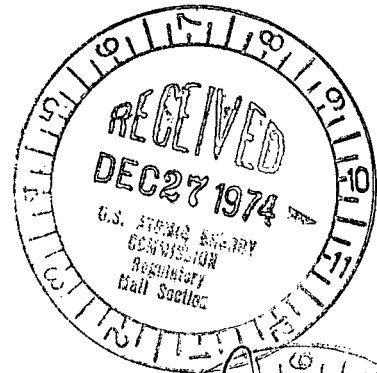
CEDAR RAPIDS, IOWA

DUANE ARNOLD ENERGY CENTER

PALO, IOWA

DECEMBER 20, 1974

DAEC - 74 - 424



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

SUBJECT: Abnormal Occurrence No. 46A  
FILE: A-110  
A-118a

Dear Mr. Keppler:

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

Very truly yours,

*G. G. Hunt* ELH  
G. G. Hunt

Chief Engineer  
Duane Arnold Energy Center

DLW:GGH:pd  
Enclosure

CC: E. G. Case  
C. W. Sandford  
J. A. Wallace  
E. L. Hammond  
B. R. York  
R. R. Rinderman  
L. D. Root  
H. W. Rehrauer - Chairman, Safety Committee  
G. A. Cook  
D. L. Wilson  
J. R. Newman  
B. L. Hopkins

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DEC 23 1974

# IOWA ELECTRIC LIGHT AND POWER COMPANY

*General Office*  
CEDAR RAPIDS, IOWA

Subject: Abnormal Occurrence (Supplemental Report)  
Report Number: AO 50-331/74-46A  
Report Date: December 18, 1974  
Occurrence Dates: September 15 and 22, 1974  
Facility: Duane Arnold Energy Center, Unit #1, Palo, Iowa

The following information is intended to be a complete report and supplements information presented in the preliminary report.

## Identification of Occurrences

Core Spray pump start timer setting, reportable in accordance with Appendix A to Operating License DPR-49, Specification 1.0.4.a and Table 3.2-B.

## Description of Occurrences

During the performance of Surveillance Test Procedure 42B010 - Core Spray Trip System Logic Functional Test and Calibration, it was determined that the setting of Core Spray Timer E21-K16A was 5.6 seconds. Considering an instrument tolerance of 0.5 seconds, the Technical Specification limit for the Core Spray Timers is  $5 \pm .5$  seconds.

NOTE: At the time of the occurrences, the allowable instrument tolerance for the timers was not specified in plant documentation. Since they did not meet the Technical Specification Limit of 5 seconds during the Surveillance Test, the Preliminary Report to the USAEC indicated that both Core Spray Timers (E21-K16A and E21-K16B) were out-of-specification. However, subsequent to submittal of the Preliminary Report, it has been determined that the allowable instrument tolerance for the timers is  $\pm .5$  seconds. Since the setpoint for E21-K-16B was determined to be 5.4 seconds during the surveillance test, E21-K16B was not out-of-specification as previously reported.

## Designation of Apparent Cause of Occurrences

The apparent cause of each occurrence was instrument drift.

Analysis of Occurrences

It has been determined that the occurrences did not present an unsafe plant condition.

Corrective Action

Timers E21-K16A and E21-K16B were recalibrated and retested.

Conclusion

This report was reviewed and approved by the DAEC Operations Committee on December 6, 1974. The Committee had previously concluded that the occurrences did not present a hazard to the health and safety of the public.



G. G. Hunt  
Chief Engineer  
Duane Arnold Energy Center

DLW:GGH:bh