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CONTROL NO: 9859

FILE: INCIDENT REPORT FILE

FROM: Iowa Elec. Light & Pwr. Co. Palo, Iowa G.G. Hunt			DATE OF DOC 9-8-75	DATE REC'D 9-16-75	LTR XX	TWX	RPT	OTHER
TO: Mr. James 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/
75-46 on 8-29-75 re instrument drift on
the APRM/RBM flow bias subsystem...

(1 cy encl rec'd)

PLANT NAME: Duane Arnold

ACKNOWLEDGED

Do Not Remove

FOR ACTION/INFORMATION

DHL 9-18-75

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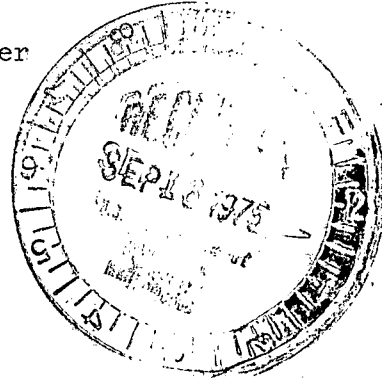
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Regulatory Docket File

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA
Duane Arnold Energy Center
Palo, Iowa
September 8, 1975
DAEC - 75 - 350



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

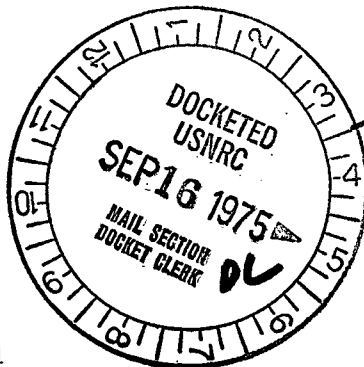
SUBJECT: Abnormal Occurrence No. AO 50-331/75-46


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.

Very truly yours,




G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

DLW/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

9859

Regulatory Docket File

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA

Subject: Abnormal Occurrence
Report Number: AO-50-331/75-46
Report Date: September 8, 1975
Occurrence Date: August 29, 1975
Facility: Duane Arnold Energy Center

Received by Ltr Dated 9-8-75

Identification of Occurrence

Out-of-specification APRM/RBM Flow Bias channel, reportable in accordance with Appendix A to Operating License DPR-49, Specification 1.0.4.d.

Description of Occurrence

During the performance of Surveillance Test Procedure 41A018 - APRM/RBM Flow Bias, one of the two square root converters in Flow Unit D was found out-of-calibration in the non-conservative direction. The as-found test setpoint was 6.667 volts. The maximum voltage limit specified in the surveillance procedure is 6.647 volts.

Designation of Apparent Cause of Occurrence

The apparent cause of the occurrence was instrument drift.

Analysis of Occurrence

The APRM/RBM flow bias subsystem consists of four units. Flow units B and D provide inputs to RBM channel B and APRM B, D and F. Flow units A and C provide inputs to RBM channel A and APRM channels A, C and E. The RBM and APRM channels have auctioneering circuits which select the lowest flow unit voltage to be used as a bias signal. Since the voltage signal from Flow Unit D was out-of-specification in the high direction, the signal would have been eliminated by the auctioneering circuits and would not have caused incorrect flow biasing. Therefore, the occurrence did not present an unsafe plant condition. The same square root converter was also found to be out-of-calibration in the non-conservative direction during the August surveillance test. Prior to that time, test data did not indicate a trend towards an out-of-calibration condition.

Corrective Action

Flow Unit D was recalibrated and the calibration will again be checked in two weeks to determine if the instrument drift problem is recurring.

Sept. 8, 1975

In addition, Surveillance Test 41A018 will be added to the plant instrumentation trending program and the monthly results will be monitored closely for indication of a trend towards an out-of-calibration condition in the non-conservative direction.

Conclusion

This report was reviewed and approved by the DAEC Operations Committee on September 8, 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

DLW/GGH/mg

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

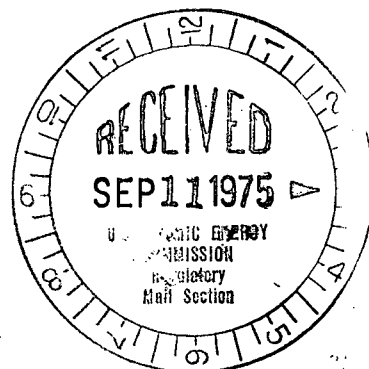
CEDAR RAPIDS, IOWA

DUANE ARNOLD ENERGY CENTER

PALO, IOWA

AUGUST 30, 1975

DAEC - 75 - 341



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

SUBJECT: Abnormal Occurrence Notification #75-46

FILE: A-110, A-118a

Dear Mr. Keppler:

In accordance with DAEC Technical Specifications, Specification 6.11.2.A.1, this letter is a notification of an abnormal occurrence at the Duane Arnold Energy Center on August 29, 1975. This letter, telecopied to your office, is intended to satisfy the requirements for notification by telegram within 24 hours of an abnormal occurrence.

Identification of Occurrence

Out-of-calibration APRM Flow Bias setting reportable in accordance with Appendix A to Operating License DPR-49, Specification 1.0.4.d.

Description of Occurrence

During the performance of Surveillance Test Procedure 41A018 - APRM Flow Bias Channel D was found to be calibrated outside the limits specified in the surveillance test procedure.

A formal written report will be submitted to the Office of Inspection and Enforcement within 10 days of the subject abnormal occurrence. Mr. Clarence Feierabend of your office was notified of the occurrence during his site inspection on August 29, 1975.

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
G. G. Hunt
B. R. York

D. L. Wilson
R. R. Rinderman
G. A. Cook

H. W. Rehrauer - Chairman
Safety Committee