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CONTROL NO: 5054

FILE: INCIDENT REPORT FILE

FROM: Iowa Elec. Light & Power Co. Palo, Iowa G.G. Hunt		DATE OF DOC 5-2-75	DATE REC'D 5-8-75	LTR XX	TWX	RPT	OTHER
TO: Mr. J.G. Keppler		ORIG	CC 1	OTHER	SENT AEC PDR SENT LOCAL PDR		XX 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-50-331/75-25 on 4-23-75 re malfunction of an RHR pump to start logical relay...

(1 cy encl rec'd)

PLANT NAME: Duane Arnold

Orig Attached

Do Not Remove
ACKNOWLEDGED

FOR ACTION/INFORMATION

DHL 5-10-75

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Rm B-127 GT |
| 1 - Newton Anderson | | 1 - J. D. RUNKLES, Rm E-201
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| 5 - ACRS SENT TO LIC ASST S. Teets 5-10-75 | | |
| ** SEND ONLY TEN DAY REPORTS | | |

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

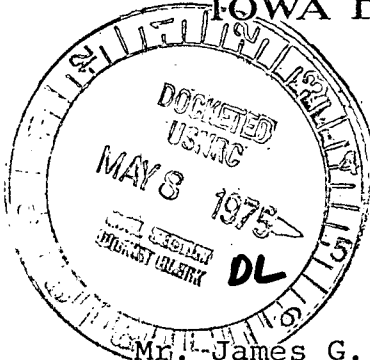
CEDAR RAPIDS, IOWA

DUANE ARNOLD ENERGY CENTER

PALO, IOWA

MAY 2, 1975

DAEC-75-187



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. 50-331/75-25

FILE: A-110

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

OCS/GGH/pc

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

Attachment

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office
CEDAR RAPIDS, IOWA

SUBJECT: Abnormal Occurrence ~~CONFIDENTIAL~~ 5-2-75
REPORT NUMBER: A. O. 50-331/75-25
REPORT DATE: May 2, 1975
OCCURRENCE DATE: April 23, 1975
FACILITY: Duane Arnold Energy Center, Unit #1, Palo, Iowa

Identification of Occurrence

Malfunction of an RHR pump start logic relay, reportable in accordance with Appendix A to Operating License DPR-49, Specification 1.0.4.b.

Description of Occurrence

During the performance of Surveillance Test Procedure No. 48A002 - Standby Diesel Generator Simulated Automatic Start Test, RHR pump start logic relay No. E11-K70B did not trip as required during an auto start test, and as a result, RHR pump No. 229B did not start.

Designation of Apparent Cause of Occurrence

The cause of the occurrence is unknown. An inspection of the relay indicated no condition which would cause the relay to malfunction.

Analysis of Occurrence

The occurrence did not present an unsafe plant condition. Redundancy is provided in that only 3 of the 4 RHR pumps are required to produce the required LPCI design flow. Although RHR pump 229B did not start during the surveillance test, the other three pumps operated satisfactorily.

Corrective Action

RHR pump start logic relay E11-K70B has been replaced.

Failure Data

There have been no previous malfunctions of this type of relay at this facility.

Equipment: Time Delay Relay
Vendor: General Electric Co.
Model: CR2820
Catalog No.: CR 2820 B 414AA41

5/2/75

Conclusion

This report was reviewed and approved by the DAEC Operations Committee on May 2, 1975. The Committee concluded that the occurrence did not present a hazard to the health and safety of the public.

Very Truly Yours;



G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

DLW/ELH/GGH/pc

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA

DUANE ARNOLD ENERGY CENTER

PALO, IOWA

MAY 2, 1975

DAEC-75-187

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. 50-331/75-25

FILE: A-110

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

OCS/GGH/pc

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

Attachment

MAY 5 1975

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA

SUBJECT: Abnormal Occurrence
REPORT NUMBER: A. O. 50-331/75-25
REPORT DATE: May 2, 1975
OCCURRENCE DATE: April 23, 1975
FACILITY: Duane Arnold Energy Center, Unit #1, Palo, Iowa

Identification of Occurrence

Malfunction of an RHR pump start logic relay, reportable in accordance with Appendix A to Operating License DPR-49, Specification 1.0.4.b.

Description of Occurrence

During the performance of Surveillance Test Procedure No. 48A002 - Standby Diesel Generator Simulated Automatic Start Test, RHR pump start logic relay No. Ell-K70B did not trip as required during an auto start test, and as a result, RHR pump No. 229B did not start.

Designation of Apparent Cause of Occurrence

The cause of the occurrence is unknown. An inspection of the relay indicated no condition which would cause the relay to malfunction.

Analysis of Occurrence

The occurrence did not present an unsafe plant condition. Redundancy is provided in that only 3 of the 4 RHR pumps are required to produce the required LPCI design flow. Although RHR pump 229B did not start during the surveillance test, the other three pumps operated satisfactorily.

Corrective Action

RHR pump start logic relay Ell-K70B has been replaced.

Failure Data

There have been no previous malfunctions of this type of relay at this facility.

Equipment: Time Delay Relay
Vendor: General Electric Co.
Model: CR2820
Catalog No.: CR 2820 B 414AA41

Conclusion

This report was reviewed and approved by the DAEC Operations Committee on May 2, 1975. The Committee concluded that the occurrence did not present a hazard to the health and safety of the public.

Very Truly Yours,



G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

DLW/ELH/GGH/pc

IOWA ELECTRIC LIGHT AND POWER COMPANY

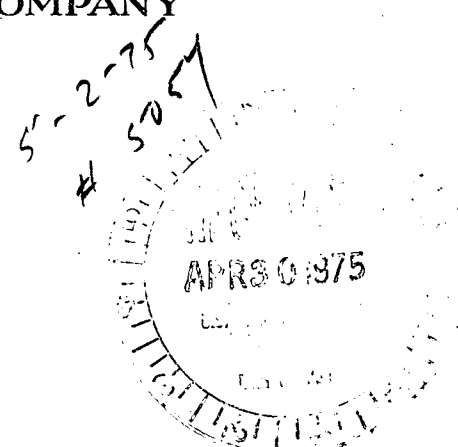
General Office

CEDAR RAPIDS, IOWA
DUANE ARNOLD ENERGY CENTER

PALO, IOWA

APRIL 24, 1975

DAEC-75-176



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 No. A.O. 50-331/75-25
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 April 23, 1975. This letter, telecopied to your office, is intended to satisfy the requirements for notification by telegram within 24 hours of the identification of an abnormal occurrence.

Identification of Occurrence

Malfunction of RHR pump start logic relay, reportable in accordance with Appendix A to Operating License DPR-49, Specification 1.0.4.d.

Designation of Occurrence

During the performance of Surveillance Test Procedure No. 48A002 - Standby Diesel Generator Simulated Automatic Start Test, RHR pump start logic relay No. E11-K70B did not trip as required during an auto start.

An inspection of the relay did not indicate any cause for the malfunction of the relay. The relay was subsequently cycled several times and operated successfully. The relay will be tested again in approximately one week when the LPCI Subsystem Surveillance Test is performed.

Investigation is continuing and 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 cursive script, appearing to read "G. G. Hunt".

G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

51-2-75
5057

DLW:GGH:bh

CC: B. C. Rusche
C. W. Sandford
J. A. Wallace
L. D. Root

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

H. W. Rehrauer-Chairman, Safety Comm.
E. L. Hammond
B. L. Hopkins

4723