

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
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CONTROL NO: 6047
FILE: INCIDENT REPORT FILE

FROM: Iowa Elec. Light & Power Co. Cedar Rapids, Iowa G.G. Hunt		DATE OF DOC 5-29-75	DATE REC'D 6-3-75	LTR XX	TWX	RPT	OTHER
TO: B.C. Rusche		ORIG None	CC	OTHER	SENT AEC PDR <u>XXXXXX</u> SENT LOCAL PDR <u>XXXXX</u>		
CLASS	UNCLASS <u>XXXX</u>	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-331		

DESCRIPTION:
Ltr. trans the following.....

PLANT NAME: Duane Arnold

ENCLOSURES:
Abnorm. Occurr. # 75-5, on 4/19-4/20-4/21, 197 concerning violation of setpoints for under-voltage relays
Submitting corrected copy of a letter previously transmitted to our office on 5-20-75, concerning "corrective action" section of ltr.....

FOR ACTION/INFORMATION

VCR 6-4-75

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INTERNAL DISTRIBUTION

<u>REG FILE</u> NRC PDR OGC, ROOM P-506A GOSSICK/STAFF CASE GIAMBUSSO BOYD MOORE (L) DEYOUNG (L) SKOVHOLT (L) GOLLER (L) (Ltr) P. COLLINS DENISE REG OPR FILE & REGION (2) MPC/PE (3) STEELE	TECH REVIEW SCHROEDER MACCARY KNIGHT PAWLICKI SHAO ** STELLO ** HOUSTON ** NOVAK ROSS IPPOLITO TEDESCO LONG 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. MAIGRET (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)	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

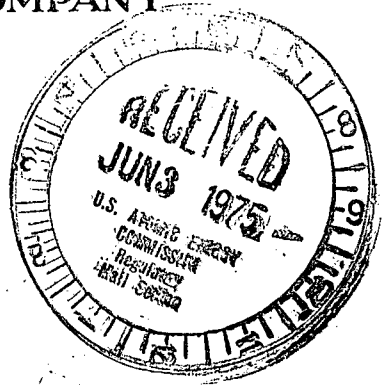
1 - LOCAL PDR <u>Cedar Rapids, Iowa</u>	1 - NATIONAL LABS	1 - PDR-SAN/LA/NY
1 - TIC (ABERNATHY) (1)(2)(10)	1 - W. PENNINGTON, Rm E-201 GT	1 - BROOKHAVEN NAT LAB
1 - NSIC (BUCHANAN)	1 - CONSULTANTS	1 - G. ULRIKSON, GRNL
1 - ASLB	NEWMARK/BLUME/AGBABIAN	1 - AGMED (RUTH GUSSMAN) Rm B-127 GT
1 - Newton Anderson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

Regulatory

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA
DUANE ARNOLD ENERGY CENTER
PALO, IOWA
MAY 29, 1975
DAEC-75-213



Mr. B. C. Rusche, Director
Office of Nuclear Reactor Regulation
U. S. Nuclear Regulatory Commission
1717 H Street N.W.
Washington, D.C. 20545

SUBJECT: Corrected Report on Technical Specification
Violation No. 75-5
FILE: A-110 A-117

Dear Mr. Rusche:

Please find attached a corrected copy of a letter previously transmitted to your office on May 20, 1975 concerning a Technical Specification Violation at this facility. (Technical Specification Violation No. 75-5.)

We are sending a corrected copy of the letter due to a typographical error in the "Corrective Action" section of the previous letter.

We apologize for any inconvenience this action may have caused.

Very truly yours,

G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

DLW:GGH:bh
Attachment

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

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA
DUANE ARNOLD ENERGY CENTER

PALO, IOWA

MAY 20, 1975

DAEC-75-201

Mr. Benard C. Rusche, Director
Office of Nuclear Reactor Regulations
U. S. Nuclear Regulatory Commission
Washington, D. C. 20545

SUBJECT: Technical Specification Violation 75-5
FILE: A-110 A-117

Dear Mr. Rusche:

This report is submitted in accordance with the requirements of Appendix B to Operating License DPR-49, Specifications 5.4.2.1 and 3.1.1.

Problem

On April 19, 20, and 21, 1975, the following Surveillance Test Procedures were performed as required once per operating cycle:

- No. 42B031 - 4KV Emergency Bus Undervoltage Relay Instrument
Functional Test/Calibration
- No. 42B032 - 4KV Emergency Bus Sequential Loading Relay
Instrument Functional Test/Calibration
- No. 42B033 - 4KV Emergency Bus Undervoltage Instrument
Functional Test/Calibration

During the performance of the surveillance tests, the setpoints for certain undervoltage relays were determined to be in nonconformance with Table 3.2.8 of the Technical Specifications. The undervoltage relays involved including as-found setpoints and required setpoints are listed in the table below:

<u>Relay No.</u>	<u>As-Found Setpoint</u>	<u>Required Setpoint</u>
127-3-	12.1 VAC	24 VAC (20% of rated)
127-4	10.0 VAC	24 VAC (20% of rated)
127-31	64.3 VAC	78 VAC (65% of rated)
127-41	66.4 VAC	78 VAC (65% of rated)
127/SB1	63.8 VAC	78 VAC (65% of rated)
127/SB2	64.2 VAC	78 VAC (65% of rated)
127/SB11	64.3 VAC	78 VAC (65% of rated)
127/SB12	62.7 VAC	78 VAC (65% of rated)

5/20/75

Investigation

The subject relays provide the capability for transferring sources of power to the plant essential services bus under loss of power and/or undervoltage conditions. Although the relays were calibrated at setpoints lower than those required by the Technical Specifications, plant safety was not adversely affected. The capability for providing transfer of power sources to the essential services bus under loss of power and/or undervoltage conditions was demonstrated during the Startup Test Program.

It has been determined that the cause of the nonconformance condition was a deficiency in the Preoperational Test Procedure for the 4160V Power Supply System. The requirement for verifying that the setpoints of the subject undervoltage relays were in conformance with the controlling design document and the Technical Specification was inadvertently not included in the test procedure.

Corrective Action

All of the subject undervoltage relays were recalibrated to the setpoints required by the Technical Specifications. Also, an analysis was performed to verify that the readjustment of the setpoints did not affect previous undervoltage and/or loss of off-site power testing. The analysis concluded that due to the rapid voltage decay during a loss of power situation, the readjustment of the relay setpoints will not significantly change bus transfer times. Also, readjustment of the relay setpoints will actuate undervoltage logic at a slightly higher bus level and will occur insignificantly sooner.

In addition, a review of the setpoints for all instruments covered by the Technical Specification and not previously surveillance tested, will be conducted to verify conformance with the Technical Specification.

Conclusion

The DAEC Operations Committee reviewed and approved this report on May 20, 1975. The Committee had previously reviewed the Technical Specification Violation on April 20, 22, and 23, 1975.

Very truly yours,



G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

DLW:GGH:bh

CC: J. G. Keppler L. D. Root J. R. Newman
C. W. Sandford G. A. Cook E. L. Hammond
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