

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 303
FILE: INCIDENT REPORT FILE

FROM: Iowa Electric Light & Power Co. Cedar Rapids, Iowa G.G. Hunter		DATE OF DOC 12-31-75	DATE REC'D 1-13-76	LTR XXX	TWX	RPT	OTHER
TO: James G. Keppler		ORIG 1 Signed	CC	OTHER	SENT AEC PDR <u>XXX</u> SENT LOCAL PDR <u>XXX</u>		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 50-331		

DESCRIPTION:
Ltr. trans the following....

PLANT NAME: Duane Arnold

ENCLOSURES:
A/O # 5-71 on 12-21-75, concerning 480 volt breaker for Emergency Service Water Pump 1P99A tripped and would not reset.....

ACKNOWLEDGED
(1 cy. Encl. Rec'd)
DO NOT REMOVE

FOR ACTION/INFORMATION

VCR 1-14-76

BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/ Copies
CLARK (L) W/ Copies	STOLZ (L) W/ Copies	DICKER (E) W/ Copies	✓ LEAR (L) W/ Copies
PARR (L) W/ Copies	VASSALLO (L) W/ Copies	KNIGHTON (E) W/ Copies	SPELS W/ Copies
KNIEL (L) W/ Copies	PURPLE (L) W/ Copies	YOUNGBLOOD (E) W/ Copies	W/ Copies

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) - MIPC/PE (3) STEELE	<u>TECH REVIEW</u> - SCHROEDER - MACCARY KNIGHT PAWLICKI SHAO ** STELLO ** HOUSTON ** NOVAK - ROSS - IPPOLITO - TEDESCO J. COLLINS LAINAS - BENAROYA - VOLLMER	DENTON ** GRIMES - GAMMILL KASTNER BALLARD SPANGLER <u>ENVIRO</u> MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR HARLESS	<u>LIC ASST</u> R. DIGGS (L) H. GEARIN (L) E. GOULBOURNE (L) P. KREUTZER (E) J. LEE (L) M. RUSHBROOK (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) M. DUNCAN (E)	<u>A/T IND.</u> BRAITMAN SALTZMAN MELTZ <u>PLANS</u> MCDONALD CHAPMAN DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) - KLECKER EISENHUT * WIGGINTON - F. WILLIAMS - HANAUER
---	---	--	---	--

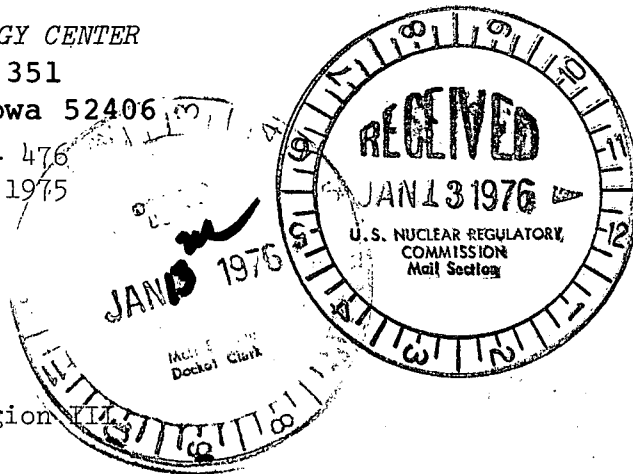
EXTERNAL DISTRIBUTION

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

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406

DAEC - 75 - 476
December 31, 1975



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 50-331/75-71
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.

Very truly yours,

J. G. Hunt ELH
G. G. Hunt

Chief Engineer
Duane Arnold Energy Center

KH/GGH/mg

cc: B. Rusche
D. Arnold
J. Wallace
L. Liu
H. Rehrauer - Chairman, Safety Committee
J. Newman
E. Hammond

303

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406

SUBJECT: Abnormal Occurrence
REPORT NUMBER: AO 50-331/75-71
REPORT DATE: December 31, 1975
OCCURRENCE DATE: December 21, 1975
FACILITY: Duane Arnold Energy Center, Unit No. 1, Palo, Iowa

Identification of Occurrence

The 480 volt breaker for Emergency Service Water Pump 1P99A tripped and would not reset, reportable in accordance with Appendix A to Operating License DPR-49, Specification 1.0.4.b.

Description of Occurrence

During the performance of surveillance testing on standby diesel generator 1G31 required due to the declared inoperability of standby diesel generator 1G21 (see AO 50-331/75-70), the 480 volt breaker for emergency service water pump 1P99A tripped and could not be reset. Thus, the requirements of Specification 3.5.G.1 could not be met and an orderly plant shutdown was initiated. Approximately 2 hours later the breaker was repaired, and required operability tests started.

Designation of Apparent Cause of Occurrence

The cause of the occurrence was a dirty contact mechanism in the motor starting unit.

Analysis of Occurrence

The malfunction of the motor starting unit and the resulting failure of the 480 volt breaker to reset on the emergency service water pump 1P99A necessitated declaring diesel generator 1G31 inoperable. With diesel generator 1G21 inoperable due to a fire hazard, the result was a limiting condition for operation and an orderly plant shutdown was initiated. It should be noted that with a certain amount of precaution to prevent recurrence of a fire, diesel generator 1G21 could have performed its intended function.

Since all normal and redundant offsite power sources were operational for the duration of the occurrence, an unsafe plant condition did not exist.

Corrective Action

The moveable contact mechanism was cleaned, tested, and the breaker returned to operation. The operability tests were successfully performed on emergency service water loop A.

Failure Data

Equipment Description: Motor Starting Unit
Manufacturer: Allis Chalmers
Type: Size 4
Catalog No: 25-114-000-501

Conclusion

This report was reviewed and approved by the DAEC Operations Committee on December 31, 1975. The committee concluded that the occurrence did not present a hazard to the health and safety of the public.

G. G. Hunt ENH
G. G. Hunt
Chief Engineer
DAEC

KH/GGH/mg