

AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 10389

FILE: _____

FROM: Iowa Elect. Light & Pwr Palo, Iowa Mr. G.G. Hunt		DATE OF DOC 9-30-74	DATE REC'D 10-9-74	LTR X	TWX	RPT	OTHER
TO: J.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 rpt an abnormal occurrence at the Duane Arnold Nuclear facility..... trans the following...

ENCLOSURES:

Abnormal Occurrence No. 50-331/74-16A on 7-6-74.....concerning...failed clutch housing.....supplemental information...

(1 cys encl rec'd)

PLANT NAME: Duane Arnold

ACORN TIEDGED

FOR ACTION/INFORMATION

10-15-74 JB

BUTLER (L)	SCHWENCER (L)	ZIEMANN (L)	REGAN (E)
W/ Copies	W/ Copies	W/ Copies	W/ Copies
CLARK (L)	STOLZ (L)	DICKER (E)	✓ LEAR (L)
W/ Copies	W/ Copies	W/ Copies	W/ Copies
PARR (L)	VASSALLO (L)	KNIGHTON (E)	W/ Copies
W/ Copies	W/ Copies	W/ Copies	W/ Copies
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INTERNAL DISTRIBUTION

✓ REG FILE	TECH REVIEW	DENTON	LIC ASST	A/T IND
✓ AEC PDR		GRIMES		BRAITMAN
✓ OGC, ROOM P-506A	✓ SCHROEDER	GAMMILL	DIGGS (L)	SALTZMAN
✓ MUNTZING/STAFF	✓ MACCARY	KASTNER	GEARIN (L)	B. HURT
✓ CASE	✓ KNIGHT	BALLARD	GOULBOURNE (L)	
GIAMBUSO	✓ PAWLICKI	SPANGLER	KREUTZER (E)	PLANS
BOYD	✓ SHAO		LEE (L)	MCDONALD
MOORE (L) (BWR)	✓ STELLO	ENVIRO	MAIGRET (L)	CHAPMAN
DEYOUNG (L) (PWR)	✓ HOUSTON	MULLER	REED (E)	DUBE w/input
SKOVHOLT (L)	✓ NOVAK	DICKER	SERVICE (L)	E. COUPE
GOLLER (L)	✓ ROSS	KNIGHTON	SHEPPARD (L)	
P. COLLINS	✓ IPPOLITO	YOUNGBLOOD	SLATER (E)	✓ D. THOMPSON (2)
DENISE	✓ TEDESCO	REGAN	SMITH (L)	✓ KLECKER
✓ REG OPR	✓ LONG	PROJECT LDR	✓ TEETS (L)	✓ EISENHUT
✓ FILE & REGION (3)	✓ LAINAS		WILLIAMS (E)	
✓ MORRIS	✓ BENAROYA	HARLESS	WILSON (L)	
✓ STEELE	✓ VOLIMER			

EXTERNAL DISTRIBUTION

✓ 1 - LOCAL PDR (Cedar Rapids, Iowa)	1 - NATIONAL LABS	1 - PDR-SAN/LA/NY
✓ 1 - TIC (ABERNATHY) (1)(2)(10)	1 - ASLBP (E/W Bldg, Rm 529)	1 - BROOKHAVEN NAT LAB
✓ 1 - NSIC (BUCHANAN)	1 - W. PENNINGTON, Rm E-201 GT	1 - G. ULRIKSON, ORNL
1 - ASLB	1 - B&M SWINEBROAD, Rm E-201 GT	1 - AGMED (RUTH GUSSMAN)
1 - Newton Anderson	1 - CONSULTANTS	Rm B-127 GT
✓ 5 - ACRS XXXXXXXX Sent to Teets	NEWMARK/BLUME/AGBABIAN	1 - R. D. MUELLER, Rm E-201 GT
10-15-74		

BN

[The body of the document contains several paragraphs of text that are extremely faint and illegible due to the quality of the scan. The text appears to be a formal document, possibly a letter or a report, with multiple lines of prose. Some fragments of text are visible, such as "I am writing to you", "I am very pleased", and "I am very sorry", but the rest is too blurry to transcribe accurately.]

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA
DUANE ARNOLD ENERGY CENTER
PALO, IOWA
SEPTEMBER 30, 1974
DAEC - 74 - 340

50-331

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



SUBJECT: Abnormal Occurrence Supplementary Report
No. 50-331/74-16A
FILE: A-118a

Dear Mr. Keppler:

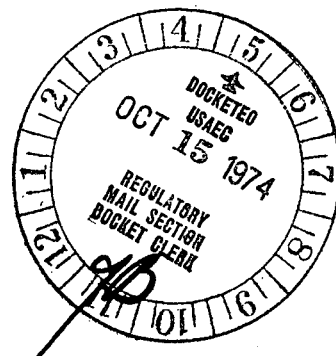
In accordance with Appendix A to Operating License DPR-49,
Technical Specifications and Bases for Duane Arnold Energy Center,
please find enclosed a Supplemental Report on Abnormal Occurrence
No. 50-331/74-16.

Very truly yours,

G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

DLW:GGH:bh
Enclosure

CC: E. G. Case
C. W. Sandford
J. A. Wallace
E. L. Hammond
L. D. Root
H. W. Rehrauer
G. A. Cook
R. R. Rinderman
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OCT 4 1974

10389

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office
CEDAR RAPIDS, IOWA

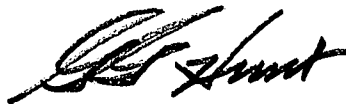
Subject: Abnormal Occurrence (Supplementary Report)
Report Number: AO 50-331/74-16A
Report Date: September 30, 1974
Occurrence Date: July 6, 1974
Facility: Duane Arnold Energy Center, Unit #1, Palo, Iowa

The following information is intended to supplement the initial report on the subject Abnormal Occurrence:

Designation of Apparent Cause of Occurrence

The analysis of the failed clutch housing, utilizing visual and metallurgical techniques, has been completed by the valve manufacturer. The results of the analysis indicate that there were no apparent manufacturing defects in the clutch housing. However, during a visual examination conducted by Operating Personnel immediately following the occurrence, oil was detected on the outside surface of the fractured portions of the clutch housing. It appeared that the oil had been present prior to the occurrence and may have been the result of a circumferential crack in the clutch housing. The crack in the clutch housing could have been the result of the inadvertent initiation of the Core Spray System on April 10, 1974. (See Unusual Event Report DPR 49/74-UE 2.) No other cause for the subject abnormal occurrence could be identified.

This report was reviewed and approved by the DAEC Operations Committee on September 30, 1974.



G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

DLW/GGH/bh