AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)

CONTROL NO: 9401

FILE:

FROM:	DATE OF DOC	DATE REC'D	LTR	TWX	RPT	OTHER
Iowa Electric Light and Power Co Cedar Rapids, Iowa GG Hunt	9-5-74	9-12-74	XX			

TO:	ORIG	CC	OTHER	SENT AEC PDR	SENT LOCAL PDR
Mr Keppler	1 signed			XX	XX

CLASS	UNCLASS	PROP INFO	INPUT	NO CYS REC'D	DOCKET NO:
	XXXX			1	50-331

DESCRIPTION:

Ltr trans the following:

[illegible]

ENCLOSURES:

REPORT: Abnormal Occurrence #74-34 on kj 8-26-74 re high suppression chamber water level.

PLANT NAME: Duane Arnold Energy Center, Unit 1

(1 cy rec'd)

FOR ACTION/INFORMATION 9-12-74 ehf

BUTLER (L) W/ CYS CLARK (L) W/ CYS ~~GARR (L)~~ W/ CYS KNIEL (L) W/ CYS	SCHWENCER (L) W/ CYS STOLZ (L) W/ CYS ~~VASSALLO (L)~~ W/ CYS PURPLE (L) W/ CYS	ZIEMANN (L) W/ CYS DICKER (E) W/ CYS ~~KNIGHTON (E)~~ W/ CYS YOUNGBLOOD (E) W/ CYS	REGAN (E) W/ CYS ✓LEAR W/4 CYS W/ CYS W/ CYS

INTERNAL DISTRIBUTION

✓REG FILE	TECH REVIEW	DENTON	LIC ASST	A/T IND
✓AEC PDR		GRIMES	DIGGS (L)	BRAITMAN
✓OGC	✓SCHROEDER	GAMMILL	GEARIN (L)	SALTZMAN
✓MUNTZING/STAFF	✓MACCARY	KASTNER	GOULBOURNE (L)	B. HURT
✓CASE	✓KNIGHT	BALLARD	KREUTZER (E)	
GIAMBUSSO	✓PAWLICKI	SPANGLER	LEE (L)	PLANS
BOYD	✓SHAO		MAIGRET (L)	MCDONALD
MOORE (L)(LWR-2)	✓STELLO	ENVIRO	REED (E)	CHAPMAN
✓DEYOUNG (L)(LWR-1)	✓HOUSTON	MULLER	SERVICE (L)	DUBE w/input
SKOVHOLT (L)	✓NOVAK	DICKER	SHEPPARD (L)	E. COUPE
GOLLER (L)	✓ROSS	KNIGHTON	SLATER (E)	
P. COLLINS	✓IPPOLITO	YOUNGBLOOD	SMITH (L)	✓D. THOMPSON (2)
DENISE	✓TEDESCO	REGAN	✓TEETS (L)	✓KLECKER
✓REG OPR	✓LONG	PROJECT MGR	WILLIAMS (E)	✓EISENHUT
FILE & REGION (2)	✓LAINAS		WILSON (L)	
✓MORRIS	✓BENAROYA	HARLESS		
✓STEELE	✓VOLLMER			

EXTERNAL DISTRIBUTION

LPD

✓1 - LOCAL PDR Cedar Rapids, Ia
✓1 - TIC (ABERNATHY)
✓1 - NSIC (BUCHANAN)
1 - ASLB
1 - Newton Anderson
✓5 - ACRS SENT TO LIC ASST

(1)(2)(10)-NATIONAL LABS
1-ASLBP(E/W Bldg, Rm 529)
1-W. PENNINGTON, Rm E-201 GT
1-B&M SWINEBROAD, Rm E-201 GT
1-CONSULTANTS
NEWMARK/BLUME/AGBABIAN

1-PDR-SAN/LA/NY
1-BROOKHAVEN NAT LAB
1-G. ULRIKSON, ORNL
1-AGMED (RUTH GUSSMAN)
Rm B-127 GT

Regulatory Docket File

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

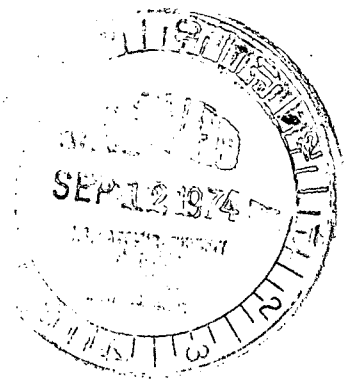
CEDAR RAPIDS, IOWA

DUANE ARNOLD ENERGY CENTER

PALO, IOWA

SEPTEMBER 5, 1974

DAEC - 74 - 315



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

SUBJECT: Abnormal Occurrence No. DPR 50-331/74-34
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,

G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

JSA:GGH:bh
Enclosure

CC: E. G. Case
C. W. Sandford
J. A. Wallace
E. L. Hammond
B. R. York
D. L. Wilson
O. C. Schellberg
L. D. Root
J. S. Anderson
H. W. Rehrauer
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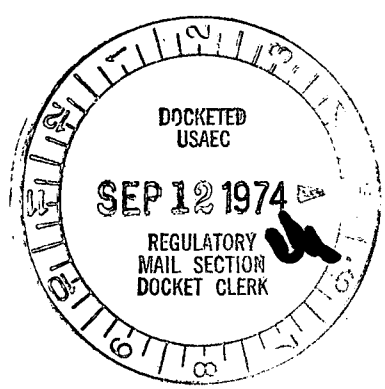
B. L. Hopkins



SEP 9 1974

9401

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA

Subject: Abnormal Occurrence

Report Number: AO 50-331/74-34

Report Date: September 5, 1974

Occurrence Date: August 26, 1974

Facility: Duane Arnold Energy Center, Unit #1, Palo, Iowa

Identification of Occurrence

High Suppression Chamber water level reportable per Appendix A, Operating License DPR-49, Specification 1.0.4.b.

Conditions Prior to Occurrence

Reactor critical in Hot Standby condition with Main Steam Isolation Valves closed and the Steam Condensing Mode of the RHR System initiated. The purpose of the isolation was to repair minor steam leaks in the secondary side of the plant.

Description of Occurrence

At 0645 on August 26, 1974, the Steam Condensing Mode of the RHR System was initiated and Suppression Chamber water level began increasing as expected. The level continued to increase because the Radwaste System had insufficient available volume at that time to allow pumping of the Suppression Chamber.

The level reached the trip level setting (5" above normal water level) at 0800 on August 26, 1974. For the next 8 1/2 hours the level fluctuated between 5" and 6 1/2" above normal level as the Suppression Chamber was pumped to the Radwaste System as volume became available. At 1630 on August 26, 1974, the level was pumped to within specification.

Designation of Apparent Cause of Occurrence

The cause of the occurrence was operating personnel error in initiating the Steam Condensing Mode of the RHR System without prior assurance that the Radwaste System had the capability to process excess water from the Suppression Chamber.

Analysis of Occurrence

The occurrence did not present an unsafe plant condition. During the occurrence the plant was in a hot standby condition and plans were made to place the plant in a cold shutdown condition within 24 hours if Suppression Chamber water level could not be restored to normal.

Corrective Action

Throughout the occurrence, Suppression Chamber water level was maintained as low as that permitted by the available capacity of the Radwaste System and it was returned to within the specified band as soon as possible.

All Operating Personnel have been reinstructed to assure they consider the Radwaste System capacity whenever performing any plant operations involving discharge to the Radwaste System.

Conclusion

On September 4, 1974, the DAEC Operations Committee reviewed and approved this report. 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

JSA:GGH:bh