

**AEC DISTRIBUTION FOR PART 50 DOCKET MATERIAL
(TEMPORARY FORM)**

CONTROL NO: **8134**

FILE:

FROM: Iowa Electric Light & Power Company Cedar Rapids, Iowa Mr. E.L. Hammond			DATE OF DOC 7-30-74		DATE REC'D 8-6-74		LTR X	TWX	RPT	OTHER
TO: J.G. Keppler			ORIG none		CC 		OTHER 		SENT AEC PDR XXX SENT LOCAL PDR XXX	
CLASS.	UNCLASS XXX	PROP INFO	INPUT		NO CYS REC'D 1		DOCKET NO: 50-331			

DESCRIPTION:
Ltr reporting an abnormal occurrence at the
Duane Arnold Facility concerning.....
Unidentified coolant leakage into the primary
containment.....

ENCLOSURES:

ACKNOWLEDGED

PLANT NAME: Duane Arnold

DO NOT REMOVE

FOR ACTION/INFORMATION

8-6-74 JB

BUTLER (L)	SCHWENCER (L)	ZIEMANN (L)	REGAN (E)
W/ CYS	W/ CYS	W/ CYS	W/ CYS
CLARK (L)	STOLZ (L)	DICKER (E)	✓ LEAR
W/ CYS	W/ CYS	W/ CYS	W/ 7 CYS
PARR (L)	VASSALLO (L)	KNIGHTON (E)	
W/ CYS	W/ CYS	W/ CYS	W/ CYS
KNIEL (L)	PURPLE (L)	YOUNGBLOOD (E)	
W/ CYS	W/ CYS	W/ CYS	W/ CYS

INTERNAL DISTRIBUTION

✓ <u>REG FILE</u>	✓ <u>TECH REVIEW</u>	DENTON	LIC ASST	A/T IND
✓ AEC PDR	✓ HENDRIE	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)	<u>PLANS</u>
BOYD	✓ SHAO		MAIGRET (L)	MCDONALD
MOORE (L)(LWR-2)	✓ STELLO	<u>ENVIRO</u>	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
✓ <u>REG OPR</u>	✓ LONG	PROJECT MGR	WILLIAMS (E)	✓ EISENHUT
✓ FILE & REGION (3)	✓ LAINAS		WILSON (L)	
✓ MORRIS	✓ BENAROYA			
✓ STEELE	✓ VOLLMER	HARLESS		

EXTERNAL DISTRIBUTION

✓ 1 - LOCAL PDR <u>Cedar Rapids, Iowa.</u>	(1)(2)(10)-NATIONAL LABS	1-PDR-SAN/LA/NY
✓ 1 - TIC (ABERNATHY)	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 - P. R. DAVIS	1-CONSULTANTS	Rm B-127 GT
✓ 16 - ACRS SENT TO LIC ASST Teets	NEWMARK/BLUME/AGBABIAN	1-RD..MUELLER, Em F-309
8-6-74		GT

BN

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA

DUANE ARNOLD ENERGY CENTER

Palo, Iowa

July 30, 1974

DAEC - 74 - 271



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

SUBJECT: Abnormal Occurrence No. 50-331/74-24
FILE: A-118a
A-110

Dear Mr. Keppler:

In accordance with Appendix A, Operating License DPR-49, Technical Specifications and Bases for Duane Arnold Energy Center, please find enclosed a written report on the subject abnormal occurrence. Mr. C. Feierabend, of your office, was notified of the occurrence on July 25, 1974.

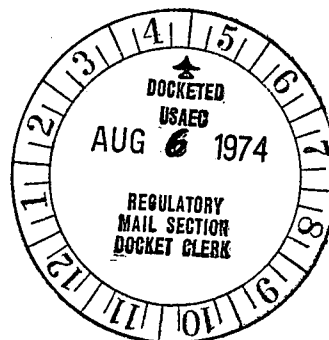
Very truly yours,

Ellery L. Hammond

Ellery L. Hammond
Assistant Chief Engineer
Duane Arnold Energy Center

DLW/ELH/pd
Enclosure

CC: John O'Leary
C. W. Sandford
J. A. Wallace
G. G. Hunt
B. R. York
D. L. Wilson
H. W. Rehrauer - Chairman, Safety Committee
L. D. Root
J. R. Newman
O. C. Schellberg
B. L. Hopkins



8134

IOWA ELECTRIC LIGHT AND POWER COMPANY
General Office
CEDAR RAPIDS, IOWA

Subject: Abnormal Occurrence
Report Number: AO 50-331/74-24
Report Date: July 30, 1974
Occurrence Date: July 20, 1974
Faculuty: Duane Arnold Energy Center, Unit #1, Palo, Iowa

Identification of Occurrence

Unidentified coolant leakage into the primary containment, reportable in accordance with Appendix A to Operating License DPR-49, Specification 1.0.4.b.

Conditions Prior to Occurrence

Reactor and plant at steady state conditions.

1038 MW Thermal
328 MW Electric

Description of Occurrence

July 20, 1974

1800 hours Daily instrument check revealed that unidentified leakage into the primary containment was 5.07 gpm averaged over the previous 24 hours.

1954 hours Commenced reducing reactor power for drywell entry.

2314 hours Commenced drywell purge for entry.

July 21, 1974

0130 hours Drywell entered; inspection revealed that the "B" loop feed water check valve (V14-1) was leaking.

0745 hours All control rods fully inserted; Reactor Mode Selector Switch in Refuel.

1724 hours Reactor in cold shutdown.

Designation of Apparent Cause of Occurrence

The cause of the occurrence was a leaking pressure seal gasket in a feed water check valve (V 14-1).

Analysis of Occurrence

It has been determined that the occurrence did not have a deleterious effect on plant safety. The reactor was placed in a cold shutdown condition within 24 hours of the discovery of the excess unidentified leakage as required by Specification 3.6.C.3 of the Technical Specification.

Corrective Action

The "B" feed water loop was secured and isolated. The pressure seal gasket was replaced and the valve was properly torqued and hydrostatically tested per the vendor's manual and recommendations.

Conclusion

The contents of this report were reviewed and approved by the DAEC Operations Committee on July 30, 1974. The Committee concluded that the occurrence did not present a hazard to the health and safety of the public.



Ellery L. Hammond
Assistant Chief Engineer
Duane Arnold Energy Center

MS/DLW/ELH/pd