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CONTROL NO: **4719**

FILE: INCIDENT REPORT FILE

FROM: Iowa Electric Light & Pwr. Cedar Rapids, Iowa Co. G.C. Hunt		DATE OF DOC 4-25-75	DATE REC'D 4-30-75	LTR XX	TWX	RPT	OTHER
TO: James G. Keppler		ORIG 1 Signed	CC	OTHER	SENT AEC PDR <u>XXXXX</u> SENT LOCAL PDR <u>XXXXX</u>		
CLASS	UNCLASS XXXXX	PROP INFO	INPUT	NO CYS REC'D 1	DOCKET NO: 250-331		

**DESCRIPTION:**

Ltr. trans the following...

**ENCLOSURES:**

Abnorm. Occurr. # 75-24, on 4-20-75, concerning  
Primary Containment Boundry Valve disassembly  
.....

PLANT NAME: Duane Arnold

**FOR ACTION/INFORMATION**

VCR 5-1-75

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# IOWA ELECTRIC LIGHT AND POWER COMPANY

*General Office*

CEDAR RAPIDS, IOWA  
DUANE ARNOLD ENERGY CENTER  
PALO, IOWA  
APRIL 25, 1975  
DAEC-75-178

Mr. James G. Keppler, Director  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission-Region III  
799 Roosevelt Road  
Glen Ellyn, Illinois 60137

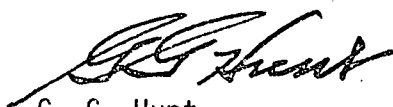
SUBJECT: Abnormal Occurrence No. A.O. 50-331/75-24  
FILE: A-110 A-118a

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.

Mr. C. D. Feierabend, of your office, was notified of the abnormal occurrence by telephone on April 21, 1975.

Very truly yours,

  
G. G. Hunt  
Chief Engineer  
Duane Arnold Energy Center

DLW:GGH:bh  
Enclosure

CC: ✓ B. C. Rusche  
C. W. Sandford  
J. A. Wallace  
H. W. Rehrauer-Chairman, Safety Committee  
J. R. Newman  
E. L. Hammond

# IOWA ELECTRIC LIGHT AND POWER COMPANY

*General Office*

CEDAR RAPIDS, IOWA

Subject: Abnormal Occurrence  
Report Number: A.O. 50-331/75-24  
Report Date: April 25, 1975  
Occurrence Date: April 20, 1975  
Facility: Duane Arnold Energy Center, Unit #1, Palo, Iowa

## Identification of Occurrence

Primary Containment Boundary Valve disassembly, reportable in accordance with Appendix A to DPR-49, Specifications 3.7.A.2 and 1.0.4.b.

## Conditions Prior to Occurrence

Reactor cooldown from hot shutdown in progress.  
Reactor coolant temperature 325°F.  
Reactor subcritical, all control rods fully inserted.

## Description of Occurrence

A plant cooldown from hot shutdown was in progress when plant personnel began disassembly of HPCI Stop Check Valve No. V-22-17. The valve was being disassembled to search for a nut and washer missing from HPCI Swing Check Valve No. V-22-16 immediately upstream from V-22-17 (See Abnormal Occurrence Report No. A.O. 50-331/75-23). Although primary coolant temperature was being decreased, disassembly of valve V-22-17 was initiated before the coolant temperature was below 212°F. Reactor coolant temperature was approximately 325°F at the time the cap on valve V-22-17 was removed.

The reactor was subsequently placed in the cold shutdown condition (<212°F) at 1158 hours on April 20, 1975.

## Designation of Apparent Cause of Occurrence

The cause of the occurrence was personnel error. The Shift Supervising Engineer signed the maintenance document authorizing disassembly of V-22-17 several hours before the plant was scheduled to be in cold shutdown

The Shift Supervising Engineer had intended that the work not be initiated until the reactor coolant temperature was <212°F. Since no special instructions were included on the maintenance action request, maintenance personnel were not aware of the requirement and began disassembly of the valve prior to that time reactor coolant temperature was <212°F.

Analysis of Occurrence

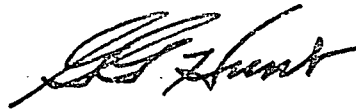
There were no abnormal operating events during the occurrence. The occurrence did not present an unsafe plant condition.

Corrective Action

All personnel involved have been reinstructed as to the need for special instructions to be included on maintenance action requests when plant operating conditions will necessitate a limitation on performance of the maintenance.

Conclusion

The Committee reviewed and approved this report on April 25, 1975. 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

DLW:GGH:bh