

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

CONTROL NO: 11314

FILE: \_\_\_\_\_

FROM: Iowa Elec Light & Power Co. Cedar Rapids, Iowa		DATE OF DOC 10-29-74	DATE REC'D 11-4-74	LTR XXXX	TWX	RPT	OTHER
TO: G.G. Hunt Mr. James G. Keppler		ORIG 1-signed	CC	OTHER	SENT AEC PDR XXXXXXXXXX		
					SENT LOCAL PDR XXXXXXXXXX		
CLASS	UNCLASS XXXXXXXXXX	PROP INFO	INPUT	NO CYS REC'D	DOCKET NO: 50-331		

DESCRIPTION: Ltr Trans the Following:  <div style="text-align: center; font-size: 1.5em; font-weight: bold;">ACKNOWLEDGED</div> <div style="text-align: center; font-size: 1.5em; font-weight: bold;">DO NOT REMOVE</div> PLANT NAME: Duane Arnold Unit 1	ENCLOSURES: Abnormal Occurrence #74-43 on 10-19-74 regarding Intermediate Range Monitors (IRM) inoperable.....
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**FOR ACTION/INFORMATION**      11-6-74      JGB

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/4 Copies
PARR (L) W/ Copies	VASSALLO (L) W/ Copies	KNIGHTON (E) W/ Copies	W/ Copies
KNIEL (L) W/ Copies	PURPLE (L) W/ Copies	YOUNGBLOOD (E) W/ Copies	W/ Copies

**INTERNAL DISTRIBUTION**

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

**EXTERNAL DISTRIBUTION**

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

*SENT to LIC ASST.  
TEETS*

# IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA

DUANE ARNOLD ENERGY CENTER

PALO, IOWA

OCTOBER 29, 1974

DAEC - 74 - 375

File Cy.

Regulatory



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 50-331/74-43  
FILE: A-118a

Dear Mr. Keppler:

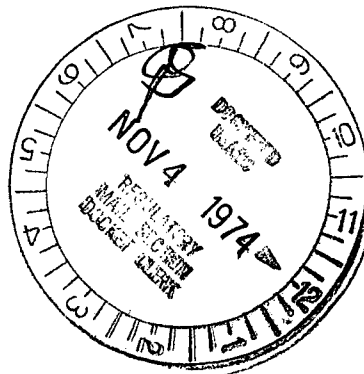
In accordance with Appendix A to Operating License DPR-49, Technical Specifications and Bases for Duane Arnold Energy Center, please find enclosed a written report on the subject abnormal occurrence.

Very truly yours,

G. G. Hunt  
Chief Engineer  
Duane Arnold Energy Center

DLW:GGH:bh  
Enclosure

CC: E. G. Case  
C. W. Sandford  
J. A. Wallace  
E. L. Hammond  
B. R. York  
R. R. Rinderman  
L. D. Root  
H. W. Rehrauer-Chairman, Safety Committee  
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11314

OCT 31 1974

# IOWA ELECTRIC LIGHT AND POWER COMPANY

*General Office*  
CEDAR RAPIDS, IOWA

Subject: Abnormal Occurrence  
Report Number: AO 50-331/74-43  
Report Date: October 29, 1974  
Occurrence Date: October 19, 1974  
Facility: Duane Arnold Energy Center, Unit #1, Palo, Iowa

## Identification of Occurrence

Intermediate Range Monitors (IRM) inoperable, reportable in accordance with Appendix A to Operating License DPR-49, 1.0.4.b and Table 3.1-1.

## Conditions Prior to Occurrence

Routine Startup Operation in progress.  
Reactor critical with  $10^4$  cps on source range monitors.  
Reactor pressure 200 psig.  
Reactor temperature 370°F..

## Description of Occurrence

At 1825 hours, while commencing a reactor startup, the Reactor Operator observed that IRM instrument channels A and E (RPS Channel A) were inoperable and did not display the required overlap with the source range monitors. In accordance with the DAEC Technical Specifications, RPS Channel A was manually placed in the tripped condition. Reactor startup operations were suspended while the IRM's were repaired.

## Designation of Apparent Cause of Occurrence

The apparent cause of the occurrence was improperly seated coaxial connectors on the input to the respective IRM drawers. The connectors apparently were not properly seated at the completion of previous surveillance testing. (Surveillance Test No. 41A004 - IRM Trip Functional Test and Calibration.)

## Analysis of Occurrence

It has been determined that the occurrence did not present an unsafe plant condition. The reactor startup was immediately suspended when the Reactor Operator observed that there was no overlap between the source range and intermediate range monitor channels A and E.

10/19/74

Corrective Action

The improperly seated coaxial connectors were tightened securely. Overlap between the intermediate range and source range monitors was verified before the startup was continued.

Surveillance Test Procedure No. 41A004 will be revised to require verification that the coaxial connectors are properly seated at the conclusion of the test.

Conclusion

This report, including corrective actions, was reviewed and approved by the DAEC Operations Committee on October 29, 1974. 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