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FILE: INCIDENT REPORT FILE

FROM: Iowa Elec. Light & Power Cedar Rapids, Iowa G.G. Hunt		DATE OF DOC 11-17-75	DATE REC'D 11-26-75	LTR XXX	TWX	RPT	OTHER
TO: James G. Keppler		ORIG 1 Signed	CC 0	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: Letter trans the following.....				ENCLOSURES: Abnormal Occurrence # 75-61, On 11-7-75, Concerning a transportation delay.....  (1 Copy Received)			
PLANT NAME: Duane Arnold							

**FOR ACTION/INFORMATION**

SAB 12-2-75

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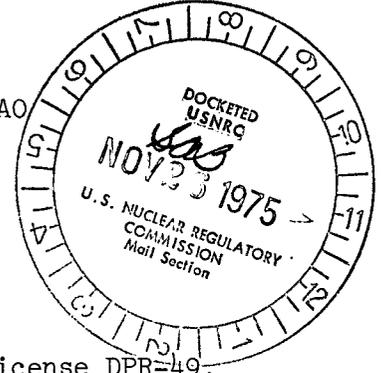
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Regulatory

# IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA  
DUANE ARNOLD ENERGY CENTER  
PALO, IOWA  
NOVEMBER 17, 1975  
DAEC - 75 - 428



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. AO  
50-331/75-61  
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*

G. G. Hunt  
Chief Engineer  
Duane Arnold Energy Center

DLW/GGH/mg

- cc: B. C. Rusche
- Duane Arnold
- J. A. Wallace
- L. Liu
- H. W. Rehrauer - Chairman, Safety Committee
- J. R. Newman
- E. L. Hammond

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# IOWA ELECTRIC LIGHT AND POWER COMPANY

*General Office*

CEDAR RAPIDS, IOWA

Subject: Abnormal Occurrence  
Report Number: AO 50-331/75-61  
Report Date: November 17, 1975  
Occurrence Date: November 7, 1975  
Facility: Duane Arnold Energy Center, Unit No. 1, Palo, Iowa

## Identification of Occurrence

Containment atmosphere oxygen concentration  $>4\%$ , reportable in accordance with Appendix A to Operating License DPR-49, Specifications 1.0.4.b and 3.7.A.5.b

## Description of Occurrence

Following a non-scheduled shutdown, the reactor was placed in the "Run" mode at approximately 1730 hours on November 6, 1975. At 1730 hours on November 7, 1975, the containment atmosphere oxygen concentration was approximately 20%. In accordance with the DAEC Technical Specifications, the oxygen concentration should have been  $<4\%$  - 24 hours following the time the reactor was placed in the "Run" mode.

When it became apparent that the drywell would not be inerted within the required time period, an orderly shutdown to a cold condition was initiated at 1530 hours, November 7, 1975.

## Designation of Apparent Cause of Occurrence

The cause of the occurrence was a transportation delay. The nitrogen for inerting of the drywell is supplied by an out-of-state supplier. The nitrogen was ordered in sufficient time to ensure the drywell would be inerted within 24 hours after going to the run mode. However, due to a breakdown of the truck delivering the nitrogen, the delivery of the nitrogen was delayed.

## Analysis of Occurrence

Since the Technical Specifications require the drywell to be inerted within 24 hours following the time the reactor is placed in the "Run" mode and deinerting may commence 24 hours prior to a shutdown, the additional amount of time that was required to inert the drywell is not considered significant with regard to plant safety.

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November 17, 1975

Corrective Action

Inerting of the drywell commenced at 2000 hours on November 7, 1975 and the oxygen concentration was reduced to <4% by 0242, November 8, 1975.

Management is presently investigating the feasibility of installing on site nitrogen storage capabilities to provide reserve capabilities for inerting of the drywell.

Conclusion

This report was reviewed and approved by the DAEC Operations Committee on November 17, 1975. The Committee concluded that the occurrence did not present a hazard to the health and safety of the public.

*G. G. Hunt* ELH

G. G. Hunt

Chief Engineer

Duane Arnold Energy Center