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FILE: INCIDENT REPORT FILE

FROM: Iowa Elec. Light & Power Cedar Rapids, Iowa E.L. Hammond			DATE OF DOC 10-30-75	DATE REC'D 11-11-75	LTR XXX	TWX	RPT	OTHER
TO: Mr. James Keppler			ORIG 1 Signed	CC 0	OTHER	SENT AEC PDR <u>XXX</u> SENT LOCAL PDR <u>XXX</u>		
CLASS	UNCLASS XXX	PROP INFO	INPUT	NO CYS REC'D 1		DOCKET NO: 50-331		

DESCRIPTION:

ENCLOSURES:

Abnormal Occurrence # 75-56, on 10-20-75,
Concerning Insufficient N2 supply in Containment
Dilution Systemm.....

(1 Copy Received)

PLANT NAME: Duane Arnold

FOR ACTION/INFORMATION

SAB 11-12-75

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Regulatory

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IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

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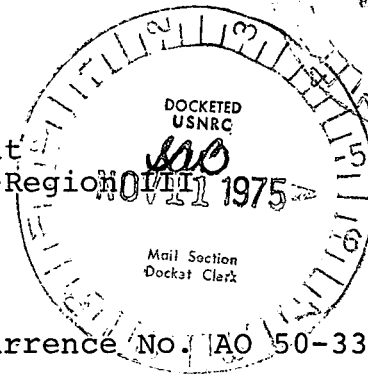
DUANE ARNOLD ENERGY CENTER

PALO, IOWA

OCTOBER 30, 1975

DAEC -- 75 --402

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



SUBJECT: Abnormal Occurrence No. AO 50-331/75-56

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 final written report on the subject abnormal occurrence.

Very truly yours,

E. L. Hammond
E. L. Hammond
Assistant Chief Engineer
Duane Arnold Energy Center

DLW/ELH/mm

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

12901

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA

SUBJECT: Abnormal Occurrence
REPORT NUMBER: AO 50-331/75-56
REPORT DATE: October 30, 1975
OCCURRENCE DATE: October 20, 1975
FACILITY: Duane Arnold Energy Center, Unit No. 1, Palo, Iowa

Identification of Occurrence

Insufficient N₂ supply in Containment Atmosphere Dilution (CAD) System, reportable in accordance with Appendix A to Operating License DPR-49, Specifications 1.0.4.d and 3.7.A.6.b.

Description of Occurrence

During the performance of Surveillance Test No. 43A004 Weekly Checks, it was determined that the volume of nitrogen stored in the CAD System was approximately 49,000 SCF. The minimum volume required by the Technical Specifications is 50,000 SCF.

Designation of Apparent Cause of Occurrence

The cause of the occurrence was personnel error. Surveillance testing during the previous week had determined that the volume of nitrogen stored in the CAD System was approximately 50,000 SCF. Operating personnel should have ensured that additional nitrogen was ordered in sufficient time to prevent a violation of the Technical Specifications. A contributing cause to the occurrence was the fact that the newly appointed Administrative Supervisor was not advised of the requirement for him to monitor daily the volume of nitrogen stored in the CAD System and order additional nitrogen as required.

Analysis of Occurrence

The occurrence did not present an unsafe plant condition. The design intent of the CAD System is to provide a seven day supply of make-up nitrogen in the event the normal drywell nitrogen supply system is not capable of performing its intended design function. It is estimated that 49,000 SCF would have provided a six and one half day supply of nitrogen. Monitoring of the nitrogen supply in the CAD System during the period would have alerted Operations personnel as to the reduced nitrogen storage capacity and additional nitrogen would have been ordered.

Corrective Action

The appropriate operating personnel have been reinstructed as to the requirement for closely monitoring the volume of nitrogen stored in the CAD System and for ordering additional nitrogen in sufficient time to prevent a violation of the Technical Specifications. The Operations Supervisor has assumed complete responsibility for daily monitoring of the volume of nitrogen stored in the CAD System.

In addition, the surveillance requirement for weekly monitoring of the CAD System nitrogen supply will be changed to daily requirement.

Conclusion

This report was reviewed and approved by the DAEC Operations Committee on October 30, 1975. The Committee concluded that the occurrence did not present a hazard to the health and safety of the public.

E. L. Hammond

E. L. Hammond
Assistant Chief Engineer
Duane Arnold Energy Center

DLW/ELH/mm