

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

CONTROL NO: **3884**
FILE: _____

FROM: Iowa Elec. Light & Power Cedar Rapids, Iowa Ellery L. Hammond		DATE OF DOC 4-4-75	DATE REC'D 4-10-75	LTR XX	TWX	RPT	OTHER
TO: Bernard C. Rusche		ORIG 1 Signed	CC	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:
Ltr reporting Abnormal Occurrence # 75-4,3-25-75
concerning Limits of Enviro. Tech. Spec. ...
had been exceeded...

ENCLOSURES:

(1 cy. ltr. rec'd)

PLANT NAME: Duane Arnold

JACKING DOCKET
DO NOT REMOVE

FOR ACTION/INFORMATION

VCR-4-10-75

BUTLER (L) W/ Copies	SCHWENCER (L) W/ Copies	ZIEMANN (L) W/ Copies	REGAN (E) W/3 Copies
CLARK (L) W/ Copies	STOLZ (L) W/ Copies	DICKER (E) W/ Copies	LEAR (L) W/3 Copies
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INTERNAL DISTRIBUTION

REG FILE NRC PDR OGC, ROOM P-506A GOSSICK/STAFF CASE GIAMBUSO BOYD MOORE (L) DEYOUNG (L) SKOVHOLT (L) GOLLER (L) (Ltr) P. COLLINS DENISE REG OPR FILE & REGION (2) T.R. WILSON STEELE	TECH REVIEW SCHROEDER MACCARY KNIGHT PAWLICKI SHAO STELLO HOUSTON NOVAK ROSS IPPOLITO TEDESCO LONG LAINAS BENAROYA VOLLMER	ENVIRO DENTON GRIMES GAMMILL KASTNER BALLARD SPANGLER MULLER DICKER KNIGHTON YOUNGBLOOD REGAN PROJECT LDR HARLESS BEVAN	LIC ASST R. DIGGS (L) H. GEARIN (L) E. GOULBOURNE (L) P. KREUTZER (E) J. LEE (L) M. MAIGRET (L) S. REED (E) M. SERVICE (L) S. SHEPPARD (L) M. SLATER (E) H. SMITH (L) S. TEETS (L) G. WILLIAMS (E) V. WILSON (L) R. INGRAM (L) DUNCAN	A/T IND. BRAITMAN SALTZMAN MELTZ PLANS MCDONALD CHAPMAN DUBE (Ltr) E. COUPE PETERSON HARTFIELD (2) KLECKER EISENHUT WIGGINTON HANAUER
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EXTERNAL DISTRIBUTION

1 - LOCAL PDR Cedar Rapids	1 - NATIONAL LABS ANL	1 - PDR-SAN/LA/NY
1 - TIC (ABERNATHY) (1)(2)(10)	1 - W. PENNINGTON, Rm E-201 GT	1 - BROOKHAVEN NAT LAB
1 - NSIC (BUCHANAN)	1 - CONSULTANTS	1 - G. ULRIKSON, ORNL
1 - ASLB	NEWMARK/BLUME/AGBABIAN	1 - AGMED (RUTH GUSSMAN) Rm B-127 GT
1 - Newton Anderson		1 - J. D. RUNKLES, Rm E-201 GT
- ACRS HOLDING/SENT		

IOWA ELECTRIC LIGHT AND POWER COMPANY

General Office

CEDAR RAPIDS, IOWA

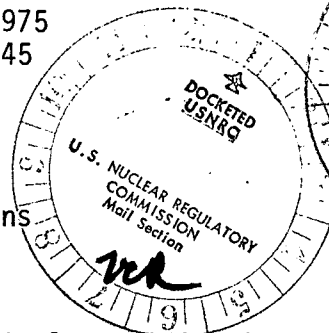
DUANE ARNOLD ENERGY CENTER

PALO, IOWA

APRIL 4, 1975

DAEC-75-145

Mr. Bernard C. Rusche, Director
Office of Nuclear Reactor Regulations
U. S. Nuclear Regulatory Commission
Washington, D. C. 20545



SUBJECT: Technical Specification Violation 75-4
FILE: A-110
A-117

Dear Mr. Rusche:

This report is submitted in accordance with the requirements of Appendix B, Operating License DPR-49, Specification 2.3.1.C.8.

Problem

At 0915 hours on March 25, 1975, with the reactor at 1295 MWt, the "Pretreatment Off-Gas Radiation Monitor Downscale" alarm was received in the Control Room. Subsequent monitoring of reactor building stack gaseous release activity levels determined that the limits of Environmental Technical Specification 2.3.1.C.1 had been exceeded. In accordance with Specification 2.3.1.C.1, the gaseous activity release rate limit is given by the following formula:

$$\frac{Q_s \bar{E}}{0.21} + \frac{Q_v}{(1.4 \times 10^5)(MPC \ i)} \leq 1.0$$

Based upon a calculation performed by the Radiation Protection Engineer, the gaseous activity release rate limit when integrated over a one hour period (0850-0950 hours) was exceeded by a factor of 2.97.

Investigation

It has been determined that the observed gaseous activity levels resulted when high pressure in the Off-Gas System caused the loop seal on the 6 inch line from the air ejectors to the Off-Gas System to "blow".

4/4/75

The high pressure in the Off-Gas System was caused by throttling of MOV 4151 (Jet Compressor Inlet Valve). Normally, Pressure Switches 4130C and 4130D would cause isolation of the loop seal when pressure in the Off-Gas System reached 4.5 psig. However, the trip settings were readjusted to 6.5 psig during attempts to remove water from the Off-Gas System in February. The pressure switches inadvertently were not adjusted back to their normal trip points when removal of the water from the Off-Gas System was completed in February.

Based on reactor building release calculations, the dose at the site boundary was within 10CFR 20 limits.

Corrective Action

The loop seal isolation set point for Pressure Switches 4130C and 4130D were readjusted to 4.5 psig. Personnel have been instructed to observe administrative controls which govern instrument setpoints.

Conclusion

The DAEC Operations Committee and Safety Committee reviewed and approved this report on April 4, 1975. The Committees concluded that the subject incident did not present a hazard to the health and safety of the public.

Very truly yours,

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

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