

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

INCIDENT REPORT

TO:

Mr. James G. Keppler

FROM:
Iowa Elec. Light & Power Company
Cedar Rapids, Iowa
Ellery L. Hammond

DATE OF DOCUMENT
7/28/77

DATE RECEIVED
8/24/77

LETTER
 ORIGINAL
 COPY

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 UNCLASSIFIED

PROP

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DESCRIPTION

PLANT NAME: Duane Arnold
RJL 8/25/77

(1-P)

ENCLOSURE

Licensee Event Report (RO 50-331/77-55) on 6/28/77 concerning the pressure differential switches which control the suppression chamber to the reactor building vacuum breakers tripping out of spec values.....

ACKNOWLEDGED
DO NOT REMOVE

NOTE: IF PERSONNEL EXPOSURE IS INVOLVED SEND DIRECTLY TO KREGER/J. COLLINS

(1-P)

FOR ACTION/INFORMATION

BRANCH CHIEF: (4)	LEAR		
W/ 3 CYS FOR ACTION			
TIC ASST			

INTERNAL DISTRIBUTION

<u>REG FILE</u>			
NRC PDR			
I & E (2)			
MIPC			
SCHROEDER/IPPOLITO			
HOUSTON			
NOVAK/CHECK			
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KNIGHT			
BUTLER			
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BAER			
SHAO			
VOLLMER/BUNCH			
KREGER/ J. COLLINS			
ROSA			

EXTERNAL DISTRIBUTION

LPDR: CEDAR RAPIDS, IA		
TIC:		
NSIC:		
ACRS (16) SENT AS CAT. B		

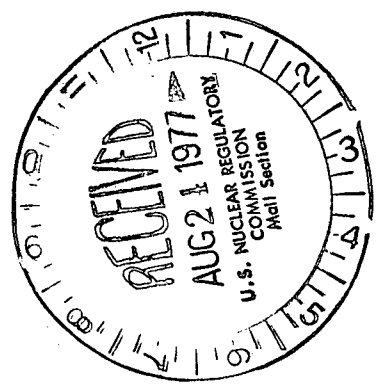
CONTROL NUMBER

AD 4
772370100
60

D. Lanham IE

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406
July 28, 1977
DAEC-77 - 394



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: Licensee Event Report No. 77-55
(30 day)

File: A-118a

Regulatory

File Cya

Dear Mr. Keppler:

In accordance with Appendix A to Operating License DPR-49, Technical Specifications and Bases for Duane Arnold Energy Center and Regulatory Guide 10.1, please find attached a copy of the subject Licensee Event Report. (Total of 3 copies transmitted)

Very truly yours,

Ellery L. Hammond
Chief Engineer
Duane Arnold Energy Center

Docket 50-331
attachment
ELH/JVS/mg

cc: Director, Office of Inspection and Enforcement (30)
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

Director, Management Information and Program Control (3)
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

AUG 1 1977

772370/00

LICENSEE EVENT REPORT

Regulatory

File Cy

CONTROL BLOCK:

(PLEASE PRINT ALL REQUIRED INFORMATION)

LICENSEE NAME						LICENSE NUMBER										LICENSE TYPE				EVENT TYPE						
01	I	A	D	A	C	1	0	0	-	0	0	0	0	0	-	0	0	4	1	1	1	1	0	3		
7	8	9				14	15											25	26					30	31	32
01 CONT		CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER						EVENT DATE				REPORT DATE										
01	CONT			L	L	0	5	0	-	0	3	3	1	0	6	2	8	7	7	0	7	2	8	7	7	
7	8	57	58	59	60	61								68	69											80

EVENT DESCRIPTION

02 During Surveillance Testing the pressure differential switches which control the suppression chamber to reactor building vacuum breakers tripped at out of specification values. PDS 4304 tripped at 1.06 PSID and PDS 4305 tripped at .78 PSID. The required setpoint is .5 PSID. The switches were recalibrated and functionally tested. (RO 77-55)

SYSTEM CODE		CAUSE CODE		COMPONENT CODE				PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER			VIOLATION			
07	S	A	E	I	N	S	T	R	U	A	B	0	8	0	Y	
7	8	9	10	11	12					17	43	44			47	48

CAUSE DESCRIPTION

08 Instrument drift. The switches are Barton Model 288A pressure differential switches. Surveillance will be increased to monthly for two months to see if the problem is reoccurring.

FACILITY STATUS		% POWER		OTHER STATUS				METHOD OF DISCOVERY		DISCOVERY DESCRIPTION						
11	E	0	9	0	NA				B	Surveillance Test						
7	8	9	10	11	12	13			44	45	46					80
FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY				LOCATION OF RELEASE								
12	Z	Z	NA				NA									
7	8	9	10	11					44	45						80

PERSONNEL EXPOSURES

NUMBER		TYPE	DESCRIPTION													
13	0	0	0	Z	NA											
7	8	9	11	12	13											80

PERSONNEL INJURIES

NUMBER		DESCRIPTION														
14	0	0	0	NA												
7	8	9	11	12												80

OFFSITE CONSEQUENCES

NUMBER		DESCRIPTION														
15		NA														
7	8	9														80

LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION														
16	Z	NA														
7	8	9	10													80

PUBLICITY

NUMBER		DESCRIPTION														
17		NA														
7	8	9														80

ADDITIONAL FACTORS

NUMBER		DESCRIPTION														
18		NA														
7	8	9														80

NUMBER		DESCRIPTION														
19																
7	8	9														80

NAME: J. Van Sickel PHONE: 319-851-5611

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