

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER
INCIDENT REPORT

TO: James G. Keppler

FROM: Iowa Electric Light & Power Co.
Cedar Rapids, IA
E. L. Hammond

DATE OF DOCUMENT
7/22/77

DATE RECEIVED
8/1/77

LETTER
 ORIGINAL
 COPY

NOTORIZED
 UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

1 signed

DESCRIPTION

ENCLOSURE

ACKNOWLEDGED

DO NOT REMOVE

PLANT NAME: Duane Arnold Energy Center
RBT 8/2/77

Licensee Event Report (50-331/77-56)
on 7/11/77 concerning RCIC Steam Line
High Flow PDIS 2442 tripping at less
than the required setpoint.
1p+1p

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

LCY ENCL Rec'd

FOR ACTION/INFORMATION

BRANCH CHIEF:	LEAR
W/ 3 CYS FOR ACTION	
LIC ASST.:	PARRISH

INTERNAL DISTRIBUTION

REG FILE				
WRC PDR				
I & E (2)				
MIPC				
SCHROEDER/IPPOLITO				
HOUSTON				
NOVAK/CHECK				
GRIMES				
KNIGHT				
BUTLER				
HANAUER				
TEDESCO				
EISENHUT				
BAER				
SHAO				
VOLLMER/BUNCH				
KREGER/ J. COLLINS				
ROSA				

EXTERNAL DISTRIBUTION

CONTROL NUMBER

LPDR: Cedar Rapids, IA.				
TIC:				
NSIC:				
ACRS (16) SENT AS CAT. B				

A04
772140303

60

Hammond

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406
July 22, 1977
DAEC-77-382

Regulatory Docket File



50-331

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. 77-56
(14 day)

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 and Regulatory Guide 10.1, please find attached a copy of the subject Licensee Event Report. (Total of 3 copies transmitted)

Very truly yours,

EL Hammond

Ellery L. Hammond
Chief Engineer
Duane Arnold Energy Center

Docket 50-331

attachment

ELH/ab

cc: Director, Office of Inspection and Enforcement (40)
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

JUL 25 1977

772140303

LICENSEE EVENT REPORT

CONTROL BLOCK:

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1 6

(PLEASE PRINT ALL REQUIRED INFORMATION)

01	I	A	D	A	C	1	15	0	0	-	0	0	0	0	0	-	0	0	25	4	1	1	1	1	30	0	1	31	32	
7	8	9	14	15	15	25	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26	26
01	CONT				T	L	0	5	0	-	0	3	3	1	0	7	1	1	7	7	0	7	2	2	7	7	80			
7	8	57	58	59	60	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61	61

EVENT DESCRIPTION

02	During Surveillance Testing RCIC Steam Line High Flow PDIS 2442 tripped																									80
7	8	9																								80
03	at 104 inches of water. The required setpoint is 110 plus or minus 5 in																									80
7	8	9																								80
04	ches of water. Cause not repetitive. Other safety systems operable. The																									80
7	8	9																								80
05	switch was modified to accept a new setpoint locking screw and recalib																									80
7	8	9																								80
06	rated. Same action taken with redundant RCIC PDIS 2441. (RO 77-56)																									80
7	8	9																								80

07	C	E	E	I	N	S	T	R	U	N	B	0	8	0	Y	48
7	8	9	10	11	12	17	17	17	17	17	43	44	47	47	48	48

CAUSE DESCRIPTION

08	A switch plate mounting screw in the PDIS fractured and allowed the swi																									80
7	8	9																								80
09	tch setpoint to drift. The instrument is a Barton Model 288 pressure di																									80
7	8	9																								80
10	fferential indicatin switch. The screw was replaced with a new setpoi																									80
7	8	9																								80

11	E	0	8	9	NA	B	Surveillance Test	80	
7	8	9	10	12	13	44	45	46	80
12	Z	Z	NA	NA	80				
7	8	9	10	11	44	45	80		

PERSONNEL EXPOSURES

13	0	0	0	Z	NA	80
7	8	9	11	12	13	80

PERSONNEL INJURIES

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

OFFSITE CONSEQUENCES

15	NA	80	
7	8	9	80

LOSS OR DAMAGE TO FACILITY

16	Z	NA	80	
7	8	9	10	80

PUBLICITY

17	NA	80	
7	8	9	80

ADDITIONAL FACTORS

18	Cause Des. Cont. - nt lock screw which should help control drift in this																									80
7	8	9																								80
19	switch. Fracture problem isolated. No further corrective action planned.																									80
7	8	9																								80

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

RECEIVED DOCUMENT
PROCESSING UNIT

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