

50-331

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

FILE NUMBER

INCIDENT REPORT

TO:

Mr. James G. Keppler

FROM:

Iowa Electric Light & Power Co.
Cedar Rapids, Iowa
G. G. Hunt

DATE OF DOCUMENT

11/2/76

DATE RECEIVED

11/24/76

☒ LETTER☐ NOTORIZED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED

One signed copy

☐ ORIGINAL
☒ COPY☒ UNCLASSIFIED

DESCRIPTION

Ltr. trans the following:

ACKNOWLEDGED

DO NOT REMOVE

(1-P)

PLANT NAME:

Duane Arnold

ENCLOSURE

Licensee Event Report (RO 50-331/76-67) on
10/19/76 concerning an LPRM calibration
program being run and initial calculations
indicating a CPRAT of 1.001 which violates
tech spec limit.

(1-P)

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

FOR ACTION/INFORMATION 11/24/76

RJL

☒ BRANCH CHIEF:

Lear

☐ W/3 CYS FOR ACTION☒ LIC. ASST.:

Parrish

☐ W/ CYS☒ ACRS 16 CYS HOLDING/SENT TO *Car. B. (11/24/76)*

INTERNAL DISTRIBUTION

☒ REG FILE☒ NRC PDR☒ I & E (2)☒ MIPC☒ SCHROEDER/IPPOLITO☒ HOUSTON☒ NOVAK/CHECK☒ GRIMES☒ CASE☒ BUTLER☒ HANAUER☒ TEDESCO/MACCARY☒ EISENHUT☒ BAER☒ SHAO☒ VOLLMER/HUNCH☒ KREGER/J. COLLINS

EXTERNAL DISTRIBUTION

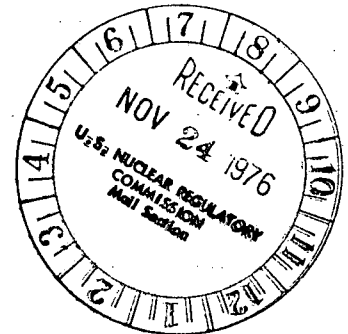
☒ LPDR: Cedar Rapids, Io.☒ TIC:☒ NSIC:

CONTROL NUMBER

11882
2104
R

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406
November 2, 1976
DAEC - 76 - 350



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. 76-67
(30 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,

G. G. Hunt ELH
G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

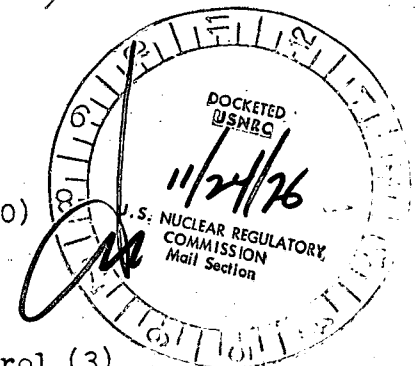
Docket 50-331

attachment

GGH/DLW/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



11882

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6

(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	

CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER					EVENT DATE					REPORT DATE				
01 CONT		L	L	0 5 0 - 0 3 3 1					1 0 1 9 7 6									
7 8 9 57 58		59	60	61 68					69 74					75 80				

EVENT DESCRIPTION

02 Following power increase from 59% to 83% an LPRM calibration program wa																																																																																80
03 s run. Initial calculations indicated a CPRRAT of 1.001, which violates																																																																																80
04 the Tech Spec limit of 1.000. Prior to increase CPRRAT was 0.980. Recir																																																																																80
05 c flow was immediately reduced which reduced CPRRAT to 0.987. (RO 76-67)																																																																																80
06																																																																																80

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

CAUSE DESCRIPTION

08 LPRM drift due to leaking seals. A more conservative approach to rod pu																																																																																80
09 lls and power changes shall be observed to prevent recurrence.																																																																																80
10																																																																																80

FACILITY STATUS		% POWER	OTHER STATUS		METHOD OF DISCOVERY	DISCOVERY DESCRIPTION	
11 E		0 8 3	NA		B	LPRM Calibration	
7 8 9		10 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

15 NA																																																																																80
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LOSS OR DAMAGE TO FACILITY

TYPE	DESCRIPTION
16 Z	NA
7 8 9 10	80

PUBLICITY

17 NA																																																																																80
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ADDITIONAL FACTORS

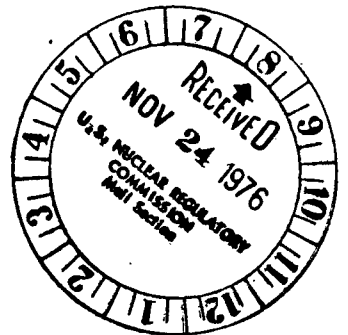
18																																																																																80
19																																																																																80

NAME: J. Van Sickel

PHONE: 319-851-5611

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406
November 2, 1976
DAEC - 76 - 350



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. 76-67
(30 day)

File: A-118a

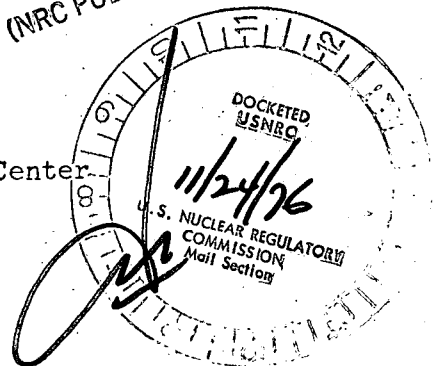
Dear Mr. Keppler:

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Very truly yours,

G. G. Hunt ELH
G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

(NRC PUBLIC DOCUMENT ROOM)



Docket 50-331
attachment
GGH/DLW/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

11882

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 2 3 4 5 6

[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME						LICENSE NUMBER						LICENSE TYPE				EVENT TYPE									
01	7	8	9	14	15	0	0	-	0	0	0	0	0	-	0	0	4	1	1	1	1	0	3	31	32

CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER				EVENT DATE				REPORT DATE													
01	7	8	57	58	L	59	L	60	0	5	0	-	0	3	3	1	1	0	1	9	7	6	74	75	80

EVENT DESCRIPTION

02	7	8	9	Following power increase from 59% to 83% an LPRM calibration program wa																		80
03	7	8	9	s run. Initial calculations indicated a CPRRAT of 1.001, which violates																		80
04	7	8	9	the Tech Spec limit of 1.000. Prior to increase CPRRAT was 0.980. Recir																		80
05	7	8	9	c flow was immediately reduced which reduced CPRRAT to 0.987. (RO 76-67)																		80
06	7	8	9																			80

SYSTEM CODE		CAUSE CODE	COMPONENT CODE				PRIME COMPONENT SUPPLIER	COMPONENT MANUFACTURER		VIOLATION										
07	7	8	9	10	F	11	I	N	S	T	R	U	N	43	G	0	8	0	Y	48

CAUSE DESCRIPTION

08	7	8	9	LPRM drift due to leaking seals. A more conservative approach to rod pu																		80
09	7	8	9	lls and power changes shall be observed to prevent recurrence.																		80
10	7	8	9																			80

FACILITY STATUS		% POWER	OTHER STATUS		METHOD OF DISCOVERY		DISCOVERY DESCRIPTION											
11	7	8	9	E	9	0	8	3	NA	44	B	45	45	LPRM Calibration				80

FORM OF ACTIVITY RELEASED		CONTENT OF RELEASE	AMOUNT OF ACTIVITY		LOCATION OF RELEASE										
12	7	8	9	Z	9	Z	10	11	NA	44	NA				80

PERSONNEL EXPOSURES

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

PERSONNEL INJURIES

NUMBER	DESCRIPTION										
14	7	8	9	0	0	0	NA				80

OFFSITE CONSEQUENCES

15	7	8	9	NA																		80
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LOSS OR DAMAGE TO FACILITY

TYPE	DESCRIPTION																			
16	7	8	9	Z	10	NA														80

PUBLICITY

17	7	8	9	NA																		80
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ADDITIONAL FACTORS

18	7	8	9																			80
19	7	8	9																			80

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

D. Lanham

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406
November 2, 1976
DAEC - 76 - 350

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. 76-67
(30 day)

File: A-118a

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Very truly yours,

G. G. Hunt ELH
G. G. Hunt
Chief Engineer
Duane Arnold Energy Center

Docket 50-331
attachment
GGH/DLW/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

NOV 22 1976

LICENSEE EVENT REPORT

CONTROL BLOCK: 1 6

(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	4	1	1	1	1	0	3			
7	8	9				14	15										25	26					30	31	32	

CATEGORY		REPORT TYPE	REPORT SOURCE	DOCKET NUMBER					EVENT DATE					REPORT DATE											
01	CONT			L	L	0	5	0	-	0	3	3	1	1	0	1	9	7	6						
7	8		57	58	59	60	61						68	69							74	75			80

EVENT DESCRIPTION

02	Following power increase from 59% to 83% an LPRM calibration program wa																								80
03	s run. Initial calculations indicated a CPRRAT of 1.001, which violates																								80
04	the Tech Spec limit of 1.000. Prior to increase CPRRAT was 0.980. Recir																								80
05	c flow was immediately reduced which reduced CPRRAT to 0.987. (RO 76-67)																								80
06																									80

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

CAUSE DESCRIPTION

08	LPRM drift due to leaking seals. A more conservative approach to rod pu																								80
09	lls and power changes shall be observed to prevent recurrence.																								80
10																									80

FACILITY STATUS		% POWER		OTHER STATUS					METHOD OF DISCOVERY		DISCOVERY DESCRIPTION														
11	E	0	8	3	NA					B	LPRM Calibration														
7	8	9	10	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

15	NA																								80
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LOSS OR DAMAGE TO FACILITY

TYPE		DESCRIPTION																							
16	Z	NA																							
7	8	9	10																						80

PUBLICITY

17	NA																								80
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ADDITIONAL FACTORS

18																									80
19																									80

NAME: J. Van Sickel

PHONE: 319-851-5611