

NRC DISTRIBUTION FOR PART 50 DOCKET MATERIAL

TO:
Mr. James G. Keppler

FROM:
**Iowa Electric Light & Power Company
Cedar Rapids, Iowa.
G. G. Hunt**

DATE OF DOCUMENT
6/23/76

DATE RECEIVED
6/26/76

LETTER
 ORIGINAL
 COPY

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 UNCLASSIFIED

PROP

INPUT FORM

NUMBER OF COPIES RECEIVED
one signed

DESCRIPTION

Ltr. trans the following:

(1-P)

PLANT NAME:
Duane Arnold

ENCLOSURE

Licensee Event Report (RO 50-331/76-43) on 6/22/76 concerning the performing of monthly surveillance test 48001 on diesel when it tripped on jacket high temperature.

ACKNOWLEDGED

DO NOT REMOVE

(3-P)

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

SAFETY FOR ACTION/INFORMATION ENVIRO 6/28/76 RJL

BRANCH CHIEF: **Lear**

W/3 CYS FOR ACTION

LIC. ASST.: **Parrish**

W/ 1 CYS

ACRS **16** CYS HOLDING/SENT TO LA

INTERNAL DISTRIBUTION

<input checked="" type="checkbox"/> REG FILE				
<input checked="" type="checkbox"/> NRC PDR				
<input checked="" type="checkbox"/> I & E (2)				
<input checked="" type="checkbox"/> MIPC				
<input checked="" type="checkbox"/> SCHROEDER/IPPOLITO				
<input checked="" type="checkbox"/> HOUSTON				
<input checked="" type="checkbox"/> NOVAK/CHECK				
<input checked="" type="checkbox"/> GRIMES				
<input checked="" type="checkbox"/> CASE				
<input checked="" type="checkbox"/> BUTLER				
<input checked="" type="checkbox"/> HANAUER				
<input checked="" type="checkbox"/> TEDESCO/MACCARY				
<input checked="" type="checkbox"/> EISENHUT				
<input checked="" type="checkbox"/> BAER				
<input checked="" type="checkbox"/> SHAO				
<input checked="" type="checkbox"/> VOLLMER/BUNCH				
<input checked="" type="checkbox"/> KREGER/J. COLLINS				

EXTERNAL DISTRIBUTION

LPDR: Cedar Rapids, Ia.

TIC:

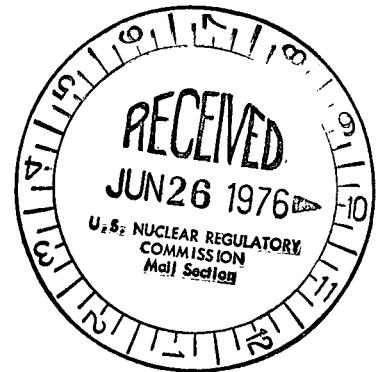
NSIC:

CONTROL NUMBER

6443

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406
JUNE 23, 1976
DAEC -76 -208



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. 76-43
(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,

G. G. Hunt ELH
G. G. Hunt

Chief Engineer
Duane Arnold Energy Center

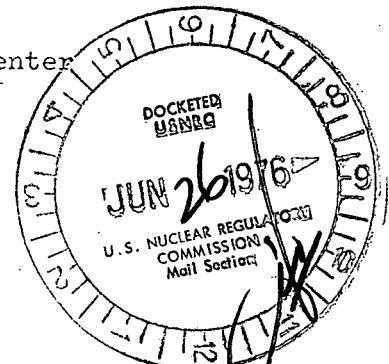
Docket 50-331

attachment

GGH/DLW/mg

cc: Director, Office of Inspection and Enforcement (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



Regulatory Docket File

6443

LICENSEE EVENT REPORT

CONTROL BLOCK:

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(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	0	4	1	1	1	1	0	1							
7	8	9	14	15	25	26	30	31	32																							
CATEGORY														REPORT TYPE		REPORT SOURCE		DOCKET NUMBER					EVENT DATE				REPORT DATE					
01	C	O	N	T	T	L	0	5	0	-	0	3	3	1	0	6	2	2	7	6	0	6	2	3	7	6						
7	8	57	58	59	60	61	68	69	74	75	80																					

EVENT DESCRIPTION

02	While performing monthly Surveillance Test 48001 on diesel, it tripped																								80
03	on jacket high temperature. Due to the potential serious nature of this																								80
04	event, a supplemental report is attached. (RO 76-43) 14 day																								80
05																									80
06																									80

SYSTEM CODE		CAUSE CODE		COMPONENT CODE				PRIME COMPONENT SUPPLIER		COMPONENT MANUFACTURER			VIOLATION		
07	W	A	E	F	I	L	T	E	R	A	Z	0	1	0	N
7	8	9	10	11	12	17	43	44	47	48					

CAUSE DESCRIPTION

08	The diesel jacket high temperature trip was caused by a low flow condi-																								80
09	tion in the Emergency Service Water system. Strainer plugging due to a																								80
10	buildup of mud caused the low flow.																								80

FACILITY STATUS		% POWER			OTHER STATUS			METHOD OF DISCOVERY		DISCOVERY DESCRIPTION				
11	E	0	7	6	NA	B	Surveillance Testing							
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
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19																									80
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NAME: E. Hammond

PHONE: 319-851-5611

DUANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

LICENSEE EVENT REPORT-Supplemental Data

Licensee Event Report Date: 6/23/76

Reportable Occurrence No: RO 76-43

Description of Occurrence

While performing monthly Surveillance Test 48001 on the diesel generators, 1G-31 diesel tripped on jacket high coolant temperature.

Cause of Occurrence

The diesel jacket high coolant temperature trip was caused by a low flow condition in the Emergency Service Water system. The pump discharge strainer became plugged due to a buildup of mud thus it caused low flow to the diesel.

Analysis of Occurrence

The 1G-31 diesel was declared inoperable and the other Emergency Service Water system and associated diesel were demonstrated to be operable for 1 hour and 40 minutes with no increase in jacket coolant temperature. As this diesel loop was operable there were no unsafe conditions present.

Corrective Action

During the recent refueling, a design change was initiated to increase the cooling air flow in certain portions of the HPCI room thus the Emergency Service Water system flow was not required for the room coolers on a continuous basis. As the ESW pumps have not been running as much as before refueling, the potential for mud and silt buildup in the ESW pits has increased.

The following actions have been taken with Operations Committee approval;

- a) Remove mud and silt from pit with an eductor.
- b) Run ESW pump continuously until resolution of mud and silt problem.
- c) Make one ESW loop inoperable and use its pump to remove remaining mud and silt via a temporary hose connection on discharge of pump.

Since item a) and b) above have been accomplished, there has been no significant increase in strainer ΔP .

A design change request has been initiated to provide a sparger arrangement at the bottom of the ESW pits to prevent mud and silt buildup. A program will be established to determine the effectiveness of the final design change configuration.

Until the design change is implemented, a monitoring program will be established to determine the appropriate time that the ESW pumps can be idle with no sparger agitation and no strainer plugging.

D. Johnson

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406
JUNE 23, 1976
DAEC -76 -208



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. 76-43
(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,

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 (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

6519

JUN 25 1976

LICENSEE EVENT REPORT

CONTROL BLOCK:

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[PLEASE PRINT ALL REQUIRED INFORMATION]

LICENSEE NAME:

01	I	A	D	A	C	1
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 LICENSE NUMBER:

0	0	-	0	0	0	0	0	-	0	0
---	---	---	---	---	---	---	---	---	---	---

 LICENSE TYPE:

4	1	1	1	1
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 EVENT TYPE:

0	1
---	---

CATEGORY:

01	CONT
----	------

 REPORT TYPE:

T

 REPORT SOURCE:

L

 DOCKET NUMBER:

0	5	0	-	0	3	3	1
---	---	---	---	---	---	---	---

 EVENT DATE:

0	6	2	2	7	6
---	---	---	---	---	---

 REPORT DATE:

0	6	2	3	7	6
---	---	---	---	---	---

EVENT DESCRIPTION

02

 While performing monthly Surveillance Test 48001 on diesel, it tripped

03

 on jacket high temperature. Due to the potential serious nature of this

04

 event, a supplemental report is attached. (RO 76-43) 14 day

05

06

SYSTEM CODE:

W	A
---	---

 CAUSE CODE:

E

 COMPONENT CODE:

F	I	L	T	E	R
---	---	---	---	---	---

 PRIME COMPONENT SUPPLIER:

A

 COMPONENT MANUFACTURER:

Z	0	1	0
---	---	---	---

 VIOLATION:

N

CAUSE DESCRIPTION

08

 The diesel jacket high temperature trip was caused by a low flow condi-

09

 tion in the Emergency Service Water system. Strainer plugging due to a

10

 buildup of mud caused the low flow.

FACILITY STATUS:

E

 % POWER:

0	7	6
---	---	---

 OTHER STATUS:

NA

 METHOD OF DISCOVERY:

B

 DISCOVERY DESCRIPTION:

Surveillance Testing

FORM OF ACTIVITY RELEASED:

Z

 CONTENT OF RELEASE:

Z

 AMOUNT OF ACTIVITY:

NA

 LOCATION OF RELEASE:

NA

PERSONNEL EXPOSURES

NUMBER:

0	0	0
---	---	---

 TYPE:

Z

 DESCRIPTION:

NA

PERSONNEL INJURIES

NUMBER:

0	0	0
---	---	---

 DESCRIPTION:

NA

OFFSITE CONSEQUENCES

15

NA

LOSS OR DAMAGE TO FACILITY

TYPE:

Z

 DESCRIPTION:

NA

PUBLICITY

17

NA

ADDITIONAL FACTORS

18

19

NAME: E. Hammond

PHONE: 319-851-5611

DUANE ARNOLD ENERGY CENTER

Iowa Electric Light and Power Company

LICENSEE EVENT REPORT-Supplemental Data

Licensee Event Report Date: 6/23/76

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UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION III
799 ROOSEVELT ROAD
GLEN ELLYN, ILLINOIS 60137

6/28/76

Incident Notification From: Iowa Electric Light & Power Co. 50-331
(Licensee & Docket No. (or License No.))

Transmittal Date: June 28, 1976 Duane Arnold Energy Center

Distribution:

IE Chief, FOSB
IE Chief, FC&EB
IE:HQ(4)
Licensing(4)
DR Central Files
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Distribution:

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IE Files

IOWA ELECTRIC LIGHT AND POWER COMPANY

DUANE ARNOLD ENERGY CENTER
P. O. Box 351
Cedar Rapids, Iowa 52406

June 22, 1976
DAEC -76 -206

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

Subject: Prompt Notification of a
Reportable Occurrence

File: A-118a

Dear Mr. Keppler:

This letter, telecopied to your office, is intended to satisfy the requirement for prompt notification of a Reportable Occurrence in accordance with Specification 6.11.2.a of the Duane Arnold Energy Center Technical Specifications.

Technical Specification paragraph(s) violated: 3.8.C.1

Description Occurrence: While performing surveillance test 48A001 operability test on 1G-31 diesel, "A" Emergency service water pump strainer became plugged. This caused loss of cooling water flow to the diesel.

Very truly yours,

G. G. Hunt EKH
G. G. Hunt

Chief Engineer
Duane Arnold Energy Center

GGH/DLW/mg

RO 76-43

Director, Management Information and Program Control (2)
U. S. Nuclear Regulatory Commission
Washington, D.C. 20555

JUN 28 1976