

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8707150262 DOC. DATE: 87/07/06 NOTARIZED: NO DOCKET #  
 FACIL: 50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow 05000331  
 AUTH. NAME AUTHOR AFFILIATION  
 THORSTEINSON, J. Iowa Electric Light & Power Co.  
 HANNEN, R. L. Iowa Electric Light & Power Co.  
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 87-020-00: on 870618, emergency diesel generator A started due to signals generated during augmented surveillance testing on logic sys. Caused by shorting across contacts on test equipment resulting from personnel error. W/870706 ltr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 3  
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTR ENCL
	PD3-1 LA	1 1	PD3-1 PD	1 1
	CAPPUCCI, A	1 1		
INTERNAL:	ACRS MICHELSON	1 1	ACRS MOELLER	2 2
	AEOD/DOA	1 1	AEOD/DSP/ROAB	2 2
	AEOD/DSP/TPAB	1 1	DEDRO	1 1
	NRR/DEST/ADE	1 0	NRR/DEST/ADS	1 0
	NRR/DEST/CEB	1 1	NRR/DEST/ELB	1 1
	NRR/DEST/ICSB	1 1	NRR/DEST/MEB	1 1
	NRR/DEST/MTB	1 1	NRR/DEST/PSB	1 1
	NRR/DEST/RSB	1 1	NRR/DEST/SGB	1 1
	NRR/DLPQ/HFB	1 1	NRR/DLPQ/GAB	1 1
	NRR/DOEA/EAB	1 1	NRR/DREP/RAB	1 1
	NRR/DREP/RPB	2 2	NRR/PMAS/ILRB	1 1
	NRR/PMAS/PTSB	1 1	<b>REG FILE</b> 02	1 1
	RES DEPY GI	1 1	RES TELFORD, J	1 1
	RES/DE/EIB	1 1	RGNS FILE 01	1 1
EXTERNAL:	EG&G GROH, M	5 5	H ST LOBBY WARD	1 1
	LPDR	1 1	NRC PDR	1 1
	NSIC HARRIS, J	1 1	NSIC MAYS, G	1 1

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) <b>Duane Arnold Energy Center (DAEC)</b>	DOCKET NUMBER (2) <b>0 5 0 0 0 3 3 1</b>	PAGE (3) <b>1 OF 0 2</b>
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TITLE (4)  
**Emergency Diesel Generator Start Due to Personnel Error**

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)					
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES			DOCKET NUMBER(S)		
									None			0 5 0 0 0		
0	6	1	8	8	7	8	7	0	0 2 0			0 0 0		
									0 7 0			6 8 7		
												0 5 0 0 0		

OPERATING MODE (9) <b>N</b>	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)												
	POWER LEVEL (10) <b>0 1 0</b>	20.402(b)			20.405(c)			<input checked="" type="checkbox"/> 50.73(a)(2)(iv)			73.71(b)		
		20.405(a)(1)(i)			50.36(c)(1)			50.73(a)(2)(v)			73.71(c)		
		20.405(a)(1)(ii)			50.36(c)(2)			50.73(a)(2)(vii)			OTHER (Specify in Abstract below and in Text, NRC Form 366A)		
		20.405(a)(1)(iii)			50.73(a)(2)(i)			50.73(a)(2)(viii)(A)					
		20.405(a)(1)(iv)			50.73(a)(2)(ii)			50.73(a)(2)(viii)(B)					
20.405(a)(1)(v)			50.73(a)(2)(iii)			50.73(a)(2)(ix)							

LICENSEE CONTACT FOR THIS LER (12)									
NAME <b>Jeffrey C. Thorsteinson, Technical Support Supervisor</b>							TELEPHONE NUMBER		
							AREA CODE		
							<b>3 1 9 8 5 1 - 7 2 3 8</b>		

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)											
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS		

SUPPLEMENTAL REPORT EXPECTED (14)						EXPECTED SUBMISSION DATE (15)		
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)						<input checked="" type="checkbox"/> NO		
						MONTH DAY YEAR		

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

On June 18, 1987, at 0729 hours, an Emergency Diesel Generator ('A' EDG) start occurred due to signals generated during augmented surveillance testing on logic systems. The plant was shutdown at the time.

As immediate corrective actions, the EDG was secured (at 0733 hours) and the surveillance test suspended. The test was modified to preclude any automatic starts and was completed without further incident.

The root cause of the event was a personnel error by utility personnel. The error was in inadvertently shorting across contacts on test equipment installed to block the EDG start.

All systems operated as designed and, as a result, there was no threat to the health and safety of the public. This event is being reported pursuant to 10 CFR 50.73.a.2.iv.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  Duane Arnold Energy Center (DAEC)	DOCKET NUMBER (2)  0 5 0 0 0 3 3 1	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 7	- 0 2 0	- 0 0	0 2	OF 0 2

TEXT (If more space is required, use additional NRC Form 386A's) (17)

On June 18, 1987, at 0729 hours, an Emergency Diesel Generator ('A' EDG, EIIS System Code EK) start occurred due to signals generated during augmented surveillance testing on logic systems. The plant was shutdown at the time.

As immediate corrective actions, the EDG was secured (at 0733 hours) and the surveillance test suspended. The EDG never closed on the essential bus, which remained energized throughout the event. The test was modified to preclude any automatic starts and was completed without further incident.

The root cause of the event was a personnel error by utility personnel. The error was in inadvertently shorting across contacts on test equipment installed to block the EDG start.

Inadvertent starts of the EDG have occurred previously at the DAEC, but have not been caused by personnel error during performance of surveillance tests. The inadvertent starts have occurred due to errors in equipment tagouts (LER 87-017, LER 85-006), and personnel rushing to the aid of an injured co-worker (LER 85-020). No further corrective actions are warranted.

All systems operated as designed and, as a result, there was no threat to the health and safety of the public. This event is being reported pursuant to 10 CFR 50.73.a.2.iv.

Iowa Electric Light and Power Company

July 6, 1987  
DAEC-87-0763

U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555

Subject: Duane Arnold Energy Center  
Docket No. 50-331  
Op. License DPR-49  
Licensee Event Report No. 87-020

Gentlemen:

In accordance with 10 CFR 50.73 please find attached a copy of the subject Licensee Event Report.

Very truly yours,

 7/6/87

Rick L. Hannen  
Plant Superintendent - Nuclear

RLH/JCT/go

Attachment - LER 87-020

cc: Mr. A. Bert Davis  
Regional Administrator  
Region III  
U. S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137

NRC Resident Inspector - DAEC

File A-118a