

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 8706110138 DOC. DATE: 87/06/03 NOTARIZED: NO DOCKET #  
 FACIL: 50-331 Duane Arnold Energy Center, Iowa Electric Light & Pow 05000331  
 AUTH. NAME AUTHOR AFFILIATION  
 CREW, V. J. Iowa Electric Light & Power Co.  
 MINECK, D. L. Iowa Electric Light & Power Co.  
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 87-015-00: on 870519, standby gas treatment sys  
 unintentionally initiated due to radiation monitor downscale  
 signal. Caused by personnel error. Breaker reenergized & all  
 automatic actions verified. W/870603 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 LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR 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/QAB	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	<del>REG FILE</del> 02	1 1
	RES DEPY GI	1 1	RCN3 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

TOTAL NUMBER OF COPIES REQUIRED: LTTR 42 ENCL 40

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>
---	---	-----------------------------

TITLE (4)  
**Inadvertent Actuation of the Standby Gas Treatment System 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		
									None		
<b>0 5</b>	<b>1 9</b>	<b>8 7</b>	<b>8 7</b>	<b>0 1 5</b>	<b>0 0 0</b>	<b>0 6</b>	<b>0 3</b>	<b>8 7</b>	<b>0 5 0 0 0</b>		

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 1 0</b>	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(c)	<input checked="" type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)						
	<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 50.38(c)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)						
	<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 50.38(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)						
	<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)							
	<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)							
<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)								

LICENSEE CONTACT FOR THIS LER (12)	
NAME <b>Valerie J. Crew, Technical Support Engineer</b>	TELEPHONE NUMBER <b>3 1 1 9 8 5 1 1 - 7 4 3 3</b>

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)										
CAUSE	SYSTEM	COMPONENT	MANUFAC. TURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFAC. TURER	REPORTABLE TO NPRDS	
<b>B</b>	<b>IIL</b>	<b>RIIS</b>	<b>SI</b>	<b>NO</b>						

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

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

On May 19, 1987 with the reactor shut down for a refuel outage, the Standby Gas Treatment System was unintentionally initiated on a radiation monitor downscale signal. This also caused a one half Group III isolation. This event occurred as a result of a worker bumping the circuit breaker to the radiation monitor while replacing the electrical panel cover. The root cause of this deviation was personnel error.

The breaker was reenergized, and all automatic actions were verified. The one half Group III isolation was reset. As permanent corrective action, guide pins were installed on these panels. The guide pins will ensure proper alignment during panel removal and reinstallation. This will alleviate the difficulty of holding the panel in place and performing a separate task simultaneously without tripping a breaker.

This is being report pursuant to 10 CFR 50.73(a)(2)(iv). All systems functioned as designed.

8706110138 870603  
PDR ADOCK 05000331  
S PDR

*Handwritten signature/initials*

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 (8)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		8   7	-   0   1   5	-   0   0	0   2	OF	0   2

TEXT if more space is required, use additional NRC Form 305A's (17)

On May 19, 1987 at 1300 hours with the reactor shut down for refueling, the Standby Gas Treatment System was unintentionally actuated by a radiation monitor (EIS Component Code IL-RIS-7606A) downscale signal. This event occurred when a worker was replacing a panel cover and accidentally bumped the circuit breaker which supplies power to a Reactor Building Exhaust Radiation Monitor. This caused the Standby Gas Treatment System (EIS System Code BH) to initiate and also caused a half Group III isolation. A Group III isolation (EIS Code JM) is provided in the event of a loss of power to minimize the possibility of untreated releases via the Reactor Building exhaust. The Standby Gas Treatment System is designed to filter and exhaust the Reactor Building atmosphere to the Offgas Stack during Secondary Containment isolation conditions, with a minimum release of radioactive materials to the environs.

The root cause of this event was personnel error. A contributory cause to the personnel error was the difficulty of the task. The contract worker was attempting to hold a panel in place and at the same time reattach the panel fasteners. The panel slipped out of place and bumped the circuit breaker.

All automatic isolations were verified. The breaker was reenergized. The one half Group III isolation was reset. As permanent corrective actions, guide pins were installed on these panels. The guide pins will ensure proper alignment during panel removal and reinstallation. This will alleviate the difficulty of holding the panel in place and performing a separate task without tripping the breaker.

A review of recent plant history determined this type of event has happened on three separate occasions.

This event is being reported pursuant to 10 CFR 50.73(a)(2)(iv).

All systems functioned as designed during this event. The safe operation of the plant was not affected by the conservative actuation of the Standby Gas Treatment System and the one half Group III isolation.

Iowa Electric Light and Power Company

June 3, 1987  
DAEC-87-0656

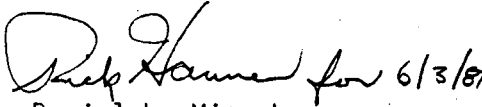
U. S. Nuclear Regulatory Commission  
ATTN: Document Control Desk  
Washington, D. C. 20555

Subject: Duane Arnold Energy Center  
Docket No. 50-331  
Op. License DPR-49  
Licensee Event Report No. 87-015

Gentlemen:

In accordance with 10 CFR 50.73 and 10 CFR 21 please find attached a copy of the subject Licensee Event Report.

Very truly yours,

  
Daniel L. Mineck  
Plant Superintendent - Nuclear

DLM/VJC/go

Attachment - LER 87-015

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

IE22  
1/1