

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)  
Duane Arnold Energy Center

DOCKET NUMBER (2)

0 5 0 0 0 3 3 1 1 OF 0 2

TITLE (4)

Inadvertent Group III Valve Isolations due to Plant Modifications and Testing

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)																
0	6	1	7	8	5	8	5	-	0	2	2	-	0	0	0	7	1	7	8	5	None	0	5	0	0	0

OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)									
POWER LEVEL (10)	0,0,0	20.402(b)		20.405(a)		X		50.73(a)(2)(iv)		73.71(b)	
		20.405(a)(1)(i)		50.36(a)(1)				50.73(a)(2)(v)		73.71(a)	
		20.405(a)(1)(ii)		50.36(a)(2)				50.73(a)(2)(vii)		OTHER (Specify in Abstract below and in Text, NRC Form 355A)	
		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  
Wendell Keith, Technical Support Engineer

TELEPHONE NUMBER

AREA CODE

3 1 9 8 5 1 - 7 3 0 6

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)										
CAUSE	SYSTEM	COMPONENT	MANUFAC- TURER	REPORTABLE TO NPROS		CAUSE	SYSTEM	COMPONENT	MANUFAC- TURER	REPORTABLE TO NPROS

SUPPLEMENTAL REPORT EXPECTED (14)  
☐ YES (If yes, complete EXPECTED SUBMISSION DATE) ☒ NOEXPECTED  
SUBMISSION  
DATE (15)

MONTH DAY YEAR

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

Unplanned actuations of Standby Gas Treatment System (SBGT, EIIS BH) and one half of the Group III Primary Containment Isolation System Valves (PCIS, EIIS JM) occurred two times during June, 1985. At the time, the plant was in cold shutdown during a refueling outage. In each case, the actuation was spurious and had no effect on the health and safety of the public. These events are being reported pursuant to 10 CFR 50.73(a)(2)(iv) which requires reporting "manual or automatic actuation of any Engineering Safety Feature."

The first isolation is considered a unique occurrence caused by plant modification while the plant was shutdown. No further corrective action is planned. The second isolation occurred due to a procedural deficiency which will be corrected.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

FACILITY NAME (1)  Duane Arnold Energy Center	DOCKET NUMBER (2)  05000331	LER NUMBER (5)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		85	022	00	02	OF	02

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

Unplanned actuations of Standby Gas Treatment System (SBGT, EIIS system BH) and one half of the Group III Primary Containment Isolation System Valves (PCIS, EIIS system JM) occurred two times during June, 1985. At the time, the plant was in cold shutdown during a refueling outage. In each case, the actuation was spurious and had no effect on the health and safety of the public. These events are being reported pursuant to 10 CFR 50.73(a)(2)(iv) which requires reporting "manual or automatic actuation of any Engineering Safety Feature."

On June 17, work was begun in preparation for installation of additional relays for Group III isolation. This work included installing temporary spade lug jumpers on the "B" Group III logic to prevent unneeded isolation signals. While loosening a screw on the logic power fuse to install these jumpers, power was momentarily lost, resulting in initiation of the "B" Group III isolation logic. At the time, the "B" SBGT system was operating. All outboard Group III valves either closed, were in the closed position, or were tagged out for maintenance prior to the logic initiation. This occurred at 1358 hours. Upon verifying that the jumper work was the source of the isolation and completion of jumper installation, the "B" Group III logic was reset. As this was a unique event caused by plant modifications while the plant was shut down, no further corrective action is planned.

At 1038 hours on June 20, "A" SBGT system was actuated and the inboard Group III valves were isolated during radiation monitor testing. In accordance with the steps of the test procedure, the radiation monitor inputs to the Group III isolation logic were jumpered out, the monitor switch was taken from "operate" to "test", the monitor was calibrated, all alarms were cleared, and the jumpers were removed. As the monitor had not yet been returned to "operate" when the jumpers were removed, the isolation logic was initiated on a monitor downscale trip. The half-Group III isolation and "A" SBGT were reset after the radiation monitor was returned to "operate". The procedure will be revised to include a step verifying that the monitor is returned to "operate" prior to jumper removal.

Iowa Electric Light and Power Company

July 17, 1985  
DAEC-85- 0655

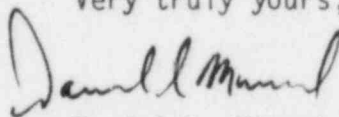
U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D. C. 20555

Subject: Duane Arnold Energy Center  
Docket No. 50-331  
Op. License DPR-49  
Licensee Event Report No. 85-022

Gentlemen:

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

Very truly yours,



Daniel L. Mineck  
Plant Superintendent - Nuclear  
Duane Arnold Energy Center

DLM/WRK/kp

attachment

cc: Mr. James G. Keppler  
Regional Administrator  
Region III  
U. S. Nuclear Regulatory Commission  
799 Roosevelt Road  
Glen Ellyn, IL 60137

NRC Resident Inspector - DAEC

File A-118a

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