

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Duane Arnold Energy Center										DOCKET NUMBER (2) 0 5 0 0 0 3 3 1 1										PAGE (3) 1 OF 02	
TITLE (4) Unplanned 1/2 Group III Isolation																					
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									
06	19	84	84	022	00	07	19	84	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)																			
N		20.402(b)				20.406(c)				<input checked="" type="checkbox"/> 50.73(a)(2)(iv)				73.71(b)							
POWER LEVEL (10)		20.406(a)(1)(i)				50.36(c)(1)				50.73(a)(2)(v)				73.71(c)							
080		20.406(a)(1)(ii)				50.36(c)(2)				50.73(a)(2)(vi)				OTHER (Specify in Abstract below and in Text, NRC Form 366A)							
		20.406(a)(1)(iii)				50.73(a)(2)(i)				50.73(a)(2)(viii)(A)											
		20.406(a)(1)(iv)				50.73(a)(2)(ii)				50.73(a)(2)(viii)(B)											
		20.406(a)(1)(v)				50.73(a)(2)(iii)				50.73(a)(2)(ix)											
LICENSEE CONTACT FOR THIS LER (12)																					
NAME Kenneth S. Putnam, Technical Support Engineer										TELEPHONE NUMBER											
										AREA CODE											
										319 851-1745											
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																					
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC												
X	JM			No																	
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)

A spurious electrical isolation signal from the 'B' side of primary containment Group III isolation control logic resulted in all associated 'B' isolation valves operating as designed. The signal also actuated the 'B' standby gas treatment system as designed. Operator investigation found that none of the applicable parameters had reached their setpoints.

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## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 9/31/85

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
Duane Arnold Energy Center	0500033184	—	022	—	000	2	OF 02

TEXT (If more space is required, use additional NRC Form 366A's) (17)

At 1537 hours on June 19, 1984 with the plant operating at approximately 80% power, a spurious isolation signal resulted in primary containment Group III isolation (JM) and the actuation of the standby gas treatment system (BH). Operators immediately investigated and found that none of the applicable parameters was exceeding its specified setpoint. After verifying that the isolation signal was spurious, operators restored the system to normal.

This Group III isolation resulted in secondary containment ventilation realignment, the standby gas treatment system being transferred from the reset mode to the operation mode, and one train of primary containment purge valves being closed, if open. The parameters which are designed to initiate a Group III isolation are: reactor low water level, high drywell pressure, and high/low radiation levels in the reactor building ventilation exhaust plenum or refueling floor area.

Investigation of plant instrumentation found that no initiation setpoint had been reached. The system is being monitored for any recurrence of spurious isolation signals. However, this appears to be an isolated incident. Throughout the event the isolation components and standby gas treatment system performed as designed.

Iowa Electric Light and Power Company

July 16, 1984

DAEC-84- 457

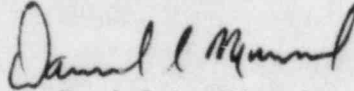
U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D. C. 20555

Subject: Duane Arnold Energy Center  
Docket No. 50-331  
Op. License DPR-49  
Licensee Event Report No. 84-022

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/KSP/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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