

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) <b>Duane Arnold Energy Center</b>															DOCKET NUMBER (2) <b>0 5 0 0 0 3 3 1</b>					PAGE (3) <b>1 OF 0 2</b>									
TITLE (4) <b>Secondary Containment Violations</b>																													
EVENT DATE (6)					LER NUMBER (8)					REPORT DATE (7)					OTHER FACILITIES INVOLVED (9)														
MONTH			DAY		YEAR		YEAR		SEQUENTIAL NUMBER		REVISION NUMBER		MONTH			DAY		YEAR		FACILITY NAMES					DOCKET NUMBER(S)				
0 9			0 6		8 5		8 5		0 3 8		0 0		1 0			0 4		8 5		None					0 5 0 0 0 0				
0 9			0 6		8 5		8 5		0 3 8		0 0		1 0			0 4		8 5							0 5 0 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(a)					20.406(e)					60.73(a)(2)(iv)					73.71(b)									
POWER LEVEL (10)					0 9 0					20.406(a)(1)(i)					60.36(a)(1)					60.73(a)(2)(vi)					73.71(e)				
					20.406(a)(1)(ii)					60.36(a)(2)					60.73(a)(2)(vii)					OTHER (Specify in Abstract below and in Text, NRC Form 365A)									
					20.406(a)(1)(iii)					X 60.73(a)(2)(i)					60.73(a)(2)(viii)(A)														
					20.406(a)(1)(iv)					60.73(a)(2)(ii)					60.73(a)(2)(viii)(B)														
					20.406(a)(1)(v)					60.73(a)(2)(iii)					60.73(a)(2)(ix)														
LICENSEE CONTACT FOR THIS LER (12)																													
NAME															TELEPHONE NUMBER														
Brad Thomas, Technical Support Engineer															AREA CODE 3 1 9 8 5 1 - 7 3 3 9														
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																													
CAUSE		SYSTEM		COMPONENT		MANUFACTURER		REPORTABLE TO NPDOS		CAUSE		SYSTEM		COMPONENT		MANUFACTURER		REPORTABLE TO NPDOS											
A		N G		S O L				Yes																					
X		N G		S O L				Yes																					
SUPPLEMENTAL REPORT EXPECTED (14)																													
YES / If yes, complete EXPECTED SUBMISSION DATE:															X NO					EXPECTED SUBMISSION DATE (15)									
																				MONTH DAY YEAR									
ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)																													
<p>On 09/06/85 at approximately 1400 hours, while in normal power operation, both doors of an airlock between the Reactor and Turbine Buildings were inadvertently opened simultaneously, resulting in a momentary violation of secondary containment.</p> <p>On 09/12/85 at approximately 1356 hours, both doors of the Standby Gas Treatment Room were opened simultaneously, resulting in a momentary violation of secondary containment.</p> <p>Technical Specification 3.7.C.1 requires secondary containment integrity during power operation. These events, therefore, although momentary, constitute a condition prohibited by our Technical Specifications and are being reported accordingly. There were no effects upon the health and safety of the public.</p> <p>Both events were the result of an inoperative solenoid in the interlock mechanism. These have since been repaired. Corrective actions are detailed in the text.</p>																													
8510150432 851004 PDR ADOCK 05000331 S PDR										IE 23 41																			

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES 6/31/95

FACILITY NAME (1)  Duane Arnold Energy Center	DOCKET NUMBER (2)  0500033185	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		85	038	00	02	OF	02

TEXT: If more space is required, use additional NRC Form 366A (9-83)

On 09/06/85 at approximately 1400 hours, both doors of an airlock between the Reactor and Turbine Buildings were inadvertently opened simultaneously, resulting in a momentary violation of secondary containment. Security personnel were posted to prevent further violations until the interlock mechanism was repaired the same day.

As part of corrective actions in an attempt to correct previous secondary containment violations, tests were being conducted to determine the effectiveness of a new interlock design. While reconnecting the old interlock device, workers inadvertently crossed the solenoid wires which disabled the interlock.

On 09/12/85 at approximately 1356 hours, both doors of the Standby Gas Treatment Room were opened simultaneously, resulting in a momentary violation of secondary containment. Both doors were verified closed and a loose wire was reattached to the solenoid, thus returning it's secondary containment function.

Technical Specification 3.7.C.1 requires secondary containment integrity during power operation. These events, therefore, constitute a condition prohibited by our Technical Specifications and are being reported accordingly. The Standby Gas Treatment System (EIS Code BH) was operable but was not required to be operating to provide an elevated filtered effluent pathway. (See LER's 84-30, 84-34, 84-38, 84-45, 85-03, 85-16, and 85-30 for prior similar events.) There was no effect upon the health and safety of the public.

The second event was also the result of a inoperative solenoid in the interlock mechanism. As corrective action, the solenoid was repaired the same day of the failure. As a long-term corrective action, a Technical Specification amendment request (RTS-174, dated October 17, 1984) has been submitted to incorporate a Technical Specification action statement. In addition, testing is in progress to investigate replacement of interlock mechanisms with a different door locking device. Two different prototype door locks are being installed on the same secondary containment airlock to evaluate their effectiveness, and to determine the model to be used throughout the plant.

Iowa Electric Light and Power Company

October 4, 1985

DAEC-85- 824

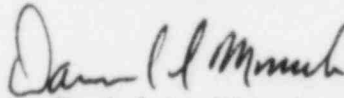
U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D. C. 20555

Subject: Duane Arnold Energy Center  
Docket No. 50-331  
Op. License DPR-49  
Licensee Event Report No. 85-038

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/BNT/kp

Attachment - LER 85-038

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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