

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 012
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TITLE (4)  
Secondary Containment Violations

EVENT DATE (5)			LER NUMBER (6)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		MONTH	DAY	YEAR	FACILITY NAMES		
0	1	15	8	5	8	5	0	0	None		
			0	0	3	0	0	0	DOCKET NUMBER(S) 0 5 0 0 0		
						2	2	8	0 5 0 0 0		
						5					

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)

OPERATING MODE (9) N	20.402(b)	20.406(c)	50.73(a)(2)(iv)	73.71(b)
POWER LEVEL (10) 0 8 0	20.406(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
	20.406(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	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)	X 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 James R. Probst, Technical Support Engineer	TELEPHONE NUMBER AREA CODE: 3119 81511-1741518
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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
B	NIG	ISOL		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) (15)

On 01/25/85 at approximately 1625 hours, both doors of an airlock between the Reactor and Turbine Buildings were inadvertently opened simultaneously, resulting in a momentary violation of secondary containment.

On 01/30/85 at approximately 0801 hours, both doors of the Railroad Airlock between the Reactor Building and the Offgas Retention Building were opened simultaneously, resulting in a momentary violation of secondary containment.

Technical Specification 3.7.C.1 requires secondary containment integrity during power operation, therefore these events, 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.

Both events were the result of a bad solenoid in the interlock mechanism. These have since been changed out. Corrective actions are detailed in the text.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

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

On 01/25/85 at approximately 1625 hours, both doors of an airlock between the Reactor and Turbine Buildings were inadvertently opened simultaneously, resulting in a momentary violation of secondary containment. Both doors were verified closed and repairs on the interlock mechanism were completed the same day.

On 01/30/85 at approximately 0801 hours, both doors of the Railroad Airlock between the Reactor Building and the Offgas Retention Building were opened simultaneously, resulting in a momentary violation of secondary containment. Security personnel were posted to prevent further violations until the interlock mechanism was repaired.

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

Both events were the result of a bad solenoid in the interlock mechanism. These have since been changed out.

Corrective steps are being taken in response to door interlock problems. Prominent signs have been placed on all secondary containment airlock doors providing instructions for their proper use. A surveillance test is performed weekly on the secondary containment door interlocks to prove their operability. Prompt maintenance actions are taken to repair door interlocks and, when necessary, security personnel are dispatched to control access until repairs are completed. An engineering review for the purpose of improving the door interlocks is in progress. In addition, a technical specification amendment request (RTS-174, dated October 17, 1984) has been submitted to incorporate a technical specification action statement.

Iowa Electric Light and Power Company  
February 22, 1985  
DAEC-85-160

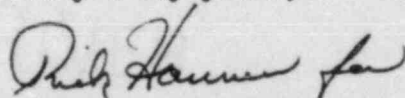
U. S. Nuclear Regulatory Commission  
Document Control Desk  
Washington, D. C. 20555

Subject: Duane Arnold Energy Center  
Docket No. 50-331  
Op. License DPR-49  
Licensee Event Report No. 85-003

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/JRP/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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