

APPROVED ONE NO. 3150-0104
EXPIRES: 8/31/85

FACILITY NAME (1) Duane Arnold Energy Center										DOCKET NUMBER (2) 0 5 0 0 0 3 3 1										PAGE (3) 1 OF 012																							
TITLE (4) Secondary Containment Violations																																											
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															
0 1		1 5		8 5		8 5		- 0 0 3		- 0 0 0		2 2		2 8		5												0 5 0 0 0															
OPERATING MODE (9)				THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 8: (Check one or more of the following) (11)																																							
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 365A)															
				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)								X 50.73(a)(2)(iii)								50.73(a)(2)(ix)																							
LICENSEE CONTACT FOR THIS LER (12)																																											
NAME																				TELEPHONE NUMBER																							
James R. Probst, Technical Support Engineer																				AREA CODE																							
																				3 1 9 8 5 1 1 - 7 4 5 1 8																							
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																																											
CAUSE		SYSTEM		COMPONENT		MANUFACTURER		REPORTABLE TO NPDs				CAUSE		SYSTEM		COMPONENT		MANUFACTURER		REPORTABLE TO NPDs																							
B		N G		I S O L				Yes																																			
SUPPLEMENTAL REPORT EXPECTED (14)																				EXPECTED SUBMISSION DATE (15)																							
YES (If yes, complete EXPECTED SUBMISSION DATE)																				X NO																							
																				MONTH DAY YEAR																							

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) 133

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

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/85

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

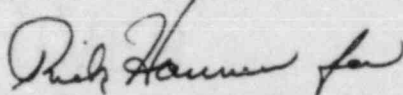
U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

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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