

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										PAGE (3) 1 OF 0 2	
TITLE (4) Secondary Containment Airlock Interlock Malfunctions																					
EVENT DATE (6)			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)								
10	29	84	84	03	8	01	11	28	84	None				0 5 0 0 0 0 0 0							
OPERATING MODE (9) N			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)																		
POWER LEVEL (10) 0.33			20.402(b)			20.406(a)			50.73(a)(2)(iv)			73.71(b)									
			20.406(a)(1)(i)			50.36(a)(1)			50.73(a)(2)(v)			73.71(a)									
			20.406(a)(1)(ii)			50.36(a)(2)			50.73(a)(2)(vi)			OTHER (Specify in Abstract below and in Text, NRC Form 308A)									
			20.406(a)(1)(iii)			X 50.73(a)(2)(i)			50.73(a)(2)(vii)(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 William Miller, Technical Support Supervisor										TELEPHONE NUMBER											
										AREA CODE 319											
										851-7238											
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																					
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPROS												
E	NIGDIR			Yes																	
SUPPLEMENTAL REPORT EXPECTED (14)										EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR							
YES (If yes, complete EXPECTED SUBMISSION DATE)										X NO											

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (18)

Between October 29 and November 15, 1984 three unintentional momentary violations of secondary containment occurred during normal reactor power operation. (See LERs 84-30, 84-34 and 84-35 for prior similar events.) All three violations involved two secondary containment airlock doors being simultaneously opened. By DAEC Technical Specification 3.7.C.1, secondary containment integrity is required during power operation. Therefore, this event constitutes a condition prohibited by our technical specifications and is being reported accordingly. The standby gas treatment system (EIS Code BH) was operable but not required to be operating to provide an elevated filtered effluent pathway. Hence, there was no resultant effluent release and no impact on the health and safety of the public from this event.

As detailed in the attached text, these events occurred as a result of defective door interlock and latching mechanisms. Repairs were promptly performed. Routine surveillance has been initiated on these mechanisms and a technical specification amendment request (RTS-174 dated October 17, 1984) submitted to incorporate a technical specification action statement.

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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) 0500033184	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		84	038	00	02	OF 02

TEXT (If more space is required, use additional NRC Form 365A's) (17)

Between October 29 and November 15, 1984 three unintentional momentary violations of secondary containment occurred during normal reactor power operation. (See LERs 84-30, 84-34 and 84-35 for prior similar events.) All three violations involved two secondary containment airlock doors being simultaneously opened. By DAEC Technical Specification 3.7.C.1, secondary containment integrity is required during power operation. Therefore, this event constitutes a condition prohibited by our technical specifications and is being reported accordingly. The standby gas treatment (EIIS Code BH) system was operable but not required to be operating to provide an elevated filtered effluent pathway. Hence, there was no resultant effluent release and no impact on the health and safety of the public from this event.

These events involved the simultaneous opening of the machine shop and railroad airlock personnel door. On October 29, 1984, during investigation and repair of a reported malfunction, a microswitch is believed to have changed position, allowing the interlock light to go out and, hence, allowed momentary violation. The events on November 1, 1984 and November 15 occurred as a result of further equipment malfunction of these doors in this high traffic area. Security personnel were dispatched to prevent further violations until the mechanisms were repaired. Engineering review of improved interlock mechanisms is in progress.

These events occurred as a result of defective door latch mechanisms or interlock solenoids. In each case the secondary containment violations were for a duration of a few seconds and prompt corrective action initiated to repair the mechanisms or control airlock use until repairs could be completed. Routine surveillance has been initiated on these mechanisms and a technical specification amendment request (RTS-174 dated October 17, 1984) submitted to incorporate a technical specification action statement.

Iowa Electric Light and Power Company

November 28, 1984
DAEC-84- 755

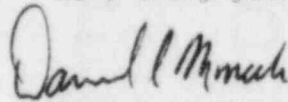
U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Subject: Duane Arnold Energy Center
Docket No. 50-331
Op. License DPR-49
Licensee Event Report No. 84-038

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/WJM/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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