

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Duane Arnold Energy Center	DOCKET NUMBER (2) 0 5 0 0 0 3 3 1	PAGE (3) 1 OF 0 1 2
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TITLE (4)
Secondary Containment Airlock Interlock Malfunctions

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)
0	9	21	84	03	5	01	01	1984	None			0 5 0 0 0
0	9	21	84	03	5	01	01	1984				0 5 0 0 0

OPERATING MODE (9) N

POWER LEVEL (10) 0 6 5

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

20.402(b)	20.405(a)(1)(i)	20.405(a)(1)(ii)	20.405(a)(1)(iii)	20.405(a)(1)(iv)	20.405(a)(1)(v)	20.405(a)(1)(vi)	20.405(a)(1)(vii)	20.405(a)(1)(viii)	20.405(a)(1)(ix)	20.405(a)(1)(x)	50.73(a)(2)(iv)	50.73(a)(2)(v)	50.73(a)(2)(vi)	50.73(a)(2)(vii)(A)	50.73(a)(2)(vii)(B)	50.73(a)(2)(viii)	50.73(a)(2)(ix)	73.71(b)	73.71(e)	OTHER (Specify in Abstract below and in Text, NRC Form 388A)

LICENSEE CONTACT FOR THIS LER (12)

NAME William Miller, Technical Support Supervisor	TELEPHONE NUMBER 3 1 1 9 8 1 5 1 1 - 1 7 2 1 3 1 8
AREA CODE	

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRRDS
E	N	G D R		Yes					

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

ABSTRACT (Limit to 1400 spaces, i.e., approximately fifteen single-space typewritten lines) (16)

Between September 21 and September 26, 1984 four unintentional momentary violations of secondary containment occurred during normal reactor power operation. (See LERs 84-30 and 84-34 for prior similar events.) All four 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 (EIIS 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.

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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 8 4	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		84	035	00	02	OF

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

Between September 21 and September 26, 1984 four unintentional momentary violations of secondary containment occurred during normal reactor power operation. (See LERs 84-30 and 84-34 for prior similar events.) All four 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 (EIIIS 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.

Two independent secondary containment violations were observed by plant personnel on both September 21 and September 26, 1984. The first event was observed to occur due to the unintentional simultaneous opening of the machine shop door and a personnel door in the reactor railroad airlock. The second event on this date involved the main reactor building personnel access route. The third event (9/26/84) involved the off-gas retention building and railroad airlock door interlock. The fourth event concerned the Reactor Building and supply fan room doors.

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.

Iowa Electric Light and Power Company

October 19, 1984
DAEC-84- 670

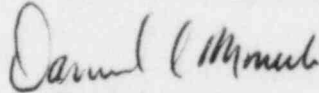
U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Subject: Duane Arnold Energy Center
Docket No. 50-331
Op. License DPR-49
Licensee Event Report No. 84-035

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 Ellyr, IL 60137

NRC Resident Inspector - DAEC

File A-118a

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