

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) Duane Arnold Energy Center DOCKET NUMBER (2) 0 5 0 0 0 3 1 3 1 1 1 OF 0 1 2

TITLE (4) H & V Damper Actuators Documentation Deficiencies

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)
01	26	84	84	006	000	02	24	84			0 5 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)									
POWER LEVEL (10) 01010	20.402(b)	20.406(c)	50.73(a)(2)(iv)	73.71(b)						
	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)	50.73(a)(2)(iii)	50.73(a)(2)(ix)							

LICENSEE CONTACT FOR THIS LER (12)
NAME William J. Miller; Technical Support Supervisor TELEPHONE NUMBER 3119 81511-1721318
AREA CODE

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

SUPPLEMENTAL REPORT EXPECTED (14)
X YES (If yes, complete EXPECTED SUBMISSION DATE) NO
EXPECTED SUBMISSION DATE (15) 01511584

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

By letters dated January 27, 1984 (NG-84-0436) and January 30, 1984 (NG-84-0451), Iowa Electric provided written notification to the NRC that certain ventilation damper actuators were potentially deficient in meeting our purchase specifications. Specifically, actuators manufactured by Hills McCanna procured thru our original damper vendor, and replacement actuators procured directly from Hills McCanna appear to have been manufactured without the manufacturer having an acceptable quality assurance program. These actuators are used in various secondary containment and control room habitability ventilation systems at DAEC. Past actuator performance and redundant damper actuators in all applications provide reasonable assurance of acceptable actuator performance pending resolution of documentation discrepancies. Engineering activities are continuing.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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			
		84	-0106	-010	02	OF	02

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

As noted in the above abstract, Iowa Electric provided written notification to the NRC on January 27 and 30, 1984 of quality assurance documentation deficiencies for ventilation damper actuators manufactured by Hills McCanna. The lack of adequate documentation was identified during a quality assurance audit of Hills McCanna. A subsequent audit of the primary vendor from which we procured original plant dampers, and who in turn used Hills McCanna as a sub vendor for actuators, was unable to demonstrate original actuators were manufactured under an acceptable quality assurance program.

The actuators in question are used in secondary containment and control room habitability ventilation systems (EHS Systems VA and VI). There are 32 damper actuators at DAEC for which quality assurance documentation may be inadequate. By May 1, 1984 we intend to complete our evaluation and resolution of our concerns regarding adequacy of qualification. It is our further intent to either demonstrate adequate qualification of these actuators or to provide replacement prior to startup from our cycle 8 refueling outage, currently scheduled for the Fall of 1984.

Our engineering evaluations are continuing. The subject actuators are in all cases installed in redundant pairs along with their respective dampers. Failure of any one damper or several dampers is of no safety consequence as long as one of the two series dampers function. Further, engineering calculations performed to date have demonstrated substantial structural margin. Additional calculations are continuing in an attempt to fully qualify the installed actuators.

An updated LER on the status of these efforts will be provided by May 15, 1984.

Iowa Electric Light and Power Company

February 24, 1984

DAEC-84-120

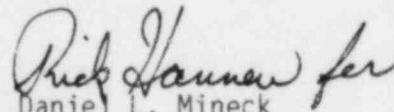
U. S. Nuclear Regulatory Commission
Document Control Desk
Washington, D. C. 20555

Subject: Duane Arnold Energy Center
Docket No. 50-331
Op. License DPR-49
Licensee Event Report No. 84-006

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/pv

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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