

Iowa Electric Light and Power Company

February 25, 1992
DAEC-92-0079

Mr. A. Bert Davis
Regional Administrator
Region III
U. S. Nuclear Regulatory Commission
799 Roosevelt Road
Glen Ellyn, IL 60137

Subject: Duane Arnold Energy Center
Docket No: 50-331
Op. License DPR-49
Licensee Event Report #92-002

Gentlemen:

In accordance with 10 CFR 50.73 please find attached a copy of the subject
Licensee Event Report.

Very truly yours,



David L. Wilson
Plant Superintendent - Nuclear

DLW/SA/eah

cc: Director of Nuclear Reactor Regulation
Document Control Desk
U.S. Nuclear Regulatory Commission
Mail Station P1-137
Washington, D. C. 20555

NRC Resident Inspector - DAEC

000041

9203040140 920225
PDR ADOCK 05000331
S PDR

Duane Arnold Energy Center • 3277 DAEC Road • Palo, Iowa 52324 • 319/851 7611

TE22

LICENSEE EVENT REPORT (LER)

EXPIRES 4/30/92

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-530), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555 AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

Duane Arnold Energy Center

DOCKET NUMBER (2)

0 5 0 0 0 3 3 1 1 OF 0 3

PAGE 3

TITLE (4)

Missed Fire Watch due to Procedural Inadequacies

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 (9)												
0	1	2	6	9	2	9	2	0	0	2	0	0	0	2	2	5	9	2	0	5	0	0	0

OPERATING MODE (9)

N

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5. (Check one or more of the following) (11)

POWER LEVEL (10)

0 8 3

20.402(a)

20.406(a)(1)(i)

20.406(a)(1)(ii)

20.406(a)(1)(iii)

20.406(a)(1)(iv)

20.406(a)(1)(v)

20.406(a)

50.36(a)(1)

50.36(a)(2)

50.73(a)(2)(i)

50.73(a)(2)(ii)

50.73(a)(2)(iii)

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)(ix)

73.71(b)

73.71(d)

OTHER (Specify in Abstract below and in Text, NRC Form 388A)

LICENSEE CONTACT FOR THIS LER (12)

NAME

Scott Arebaugh, Technical Support Specialist

TELEPHONE NUMBER

AREA CODE

3 1 9 8 5 1 - 7 6 4 8

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRC

SUPPLEMENTAL REPORT EXPECTED (14)

EXPECTED SUBMISSION DATE (15)

MONTH

YEAR

YES (If yes, complete EXPECTED SUBMISSION DATE)

NO

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

On January 26, 1992, the plant was operating at 83% power. During surveillance testing a fire door was blocked open without the required Technical Specification compensatory action of a fire watch. The fire door is located at the sump room entrance in the turbine building basement. Upon discovery of the lack of a required fire watch, a fire watch was initiated.

The cause of the event was inadequate procedural instructions. The applicable surveillance test procedures, system operating instructions and annunciator response procedures have been changed to reflect the requirement for a fire watch with the ventilation fans secured and the sump room fire door blocked open. All the fire doors throughout the plant are in the process of being relabeled to highlight the requirement of a fire watch if they are blocked open.

Fire detection equipment in the adjoining area that contained safety related cables were operable throughout the event. The event had no effect on the safe, continued operation of the facility.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

EXPIRES 4/30/92

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-538), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER(S)

PAGE(S)

Duane Arnold Energy Center

05000331

YEAR

SEQUENTIAL
NUMBERREVISION
NUMBER

92

- 002

- 00

2

OF

3

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

I. DESCRIPTION OF EVENT

On January 26, 1992, the plant was operating at 83% power. At 1531 hours surveillance testing was initiated on the Standby Gas Treatment System. The surveillance requires the turbine building sump room ventilation fans to be secured. The control panel containing the handswitches for the ventilation fans cautions the operator to block open the turbine building sump room door to preclude a hydrogen buildup with the ventilation secured. At 1630 hours on January 26, 1992, the ventilation fans were secured and the turbine building sump room door was blocked open without establishing a fire watch. At 0255 hours on January 27, 1992, surveillance testing on the standby gas system was terminated and the ventilation fans were returned to service. The surveillance did not direct the sump room door to be secured.

At 0700 hours on January 27, 1992, a security guard performing a security check of the area discovered the door blocked open and immediately informed his supervisor and the Control Room. An hourly fire watch was established until the sump room door was closed at 0800 hours. Consequently, the operability of a required fire door was degraded during the period of time from January 26, 1992, at 1630 hours through January 27, 1992, at 0700 hours, without the Technical Specification required compensatory action of a fire watch in place.

II. CAUSE OF EVENT

The cause of the event was inadequate procedural instructions. Procedures and surveillance tests were in place requiring ventilation fans for the turbine building sump room to be secured. Securing the fans requires a fire door to be blocked open to preclude a hydrogen buildup in the sump room. Although a fire watch is required when the door is blocked open, the procedures did not direct its initiation.

The previously existing fire door labels were not highly visible and did not specify the requirement for a firewatch if blocked open.

III. ANALYSIS OF EVENT

The sump room contains no safety related equipment or cabling. The fire door that was blocked open was a required barrier to the turbine building basement which contains safety related power, control and support system cables. If a fire would have progressed into this area, fire detection equipment would have alerted control room personnel to the situation. Equipment needed to achieve and maintain safe shutdown for a fire in the area of the safety related cables was operational and available. This event had no effect on the plant safety, availability, or personnel safety.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

EXPIRES: 4/30/92

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS
INFORMATION COLLECTION REQUEST: 90 HRS. FORWARD
COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS
AND REPORTS MANAGEMENT BRANCH (F-830) U.S. NUCLEAR
REGULATORY COMMISSION, WASHINGTON, DC 20555, AND TO
THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE
OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

DOCKET NUMBER (2)

LER NUMBER (3)

PAGE (3)

Duane Arnold Energy Center

05000331

YEAR

SEQUENTIAL
NUMBERREVISION
NUMBER

91

- 002

- 00

3

OF

3

TEXT (If more space is required, use additional NRC Form 308A's) (17)

IV. CORRECTIVE ACTIONS

Immediately after the discovery of the event at 0700 hours on January 27, 1992, the fire watch was added to the fire watch rounds. The fire watch was secured at 0915 hours on January 27, 1992.

The applicable surveillance procedures, system operating instructions, annunciator response procedures, and ventilation fan control panel caution placard have been changed to reflect the requirement for a fire watch when the fans are secured and the sump room door is blocked open.

All the fire doors throughout the plant are being relabeled with large lettering and bright colors to highlight the requirement for a fire watch if they are blocked open. The relabeling of the fire doors in accessible areas will be completed by February 28, 1992. The remaining fire doors will be relabeled during the upcoming refueling outage and will be completed by March 13, 1992.

V. ADDITIONAL INFORMATION:

A) There were no failed components associated with this event.

Previous similar events have been documented in LER 85-027 and 88-009 for missed fire watches.

B) Applied EIS codes:

Sys Code:

Fire Detection System - IC

Turbine Building - NM

Standby Gas Treatment - BH

Component Code:

Door - DR

This event is being reported pursuant to 10CFR50.73(a)(2)(i) condition prohibited by Technical Specifications (Section 3.13.F.2)