

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1): **D. C. Cook Unit One** DOCKET NUMBER (2): **0 5 0 0 0 3 1 5 1** OF **0 2** PAGE (3):

TITLE (4): **Obstruction of Fire Dampers**

| 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) |
| 08 | 22 | 84 | 84 | 020 | 00 | 09 | 20 | 84 | | 0 5 0 0 0 0 |
| | | | | | | | | | | 0 5 0 0 0 0 |

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

| | | | | |
|------------------------------|-------------------|--|----------------------|--|
| OPERATING MODE (9): 1 | 20.402(b) | 20.406(c) | 50.73(a)(2)(iv) | 73.71(b) |
| POWER LEVEL (10): 100 | 20.406(a)(1)(iii) | 50.38(c)(1) | 50.73(a)(2)(v) | 73.71(c) |
| | 20.406(a)(1)(iii) | 50.38(c)(2) | 50.73(a)(2)(vii) | OTHER (Specify in Abstract below and in Text, NRC Form 366A) |
| | 20.406(a)(1)(iii) | <input checked="" type="checkbox"/> 50.73(a)(2)(i) | 50.73(a)(2)(viii)(A) | |
| | 20.406(a)(1)(iv) | 50.73(a)(2)(iii) | 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: **A. A. Blind** TELEPHONE NUMBER: **6 1 6 4 6 5 - 5 9 0 1**
Engineering Department Superintendent

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 |
|-------|--------|-----------|--------------|---------------------|-------|--------|-----------|--------------|---------------------|
| | | | | | | | | | |
| | | | | | | | | | |

SUPPLEMENTAL REPORT EXPECTED (14):
 YES (if yes, complete EXPECTED SUBMISSION DATE) NO
EXPECTED SUBMISSION DATE (15): **1 0 2 0 8 4**

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

On 08/22/84 at approximately 0001 hours while Unit 1 was at 100% power, the Control Room Cable Vault Supply Fan Damper was found blocked open with a piece of conduit. In investigating the above event it was found that a 5-21-84 surveillance inspection noted another damper as being obstructed by conduit. This damper was for the CD Diesel Generator Fuel Oil Day Tank Enclosure and was not previously reported. In both instances the obstruction was removed and correct operation of the damper verified upon condition discovery.

This LER is being submitted on an interim basis pending an assessment of the safety consequences of the events and the determination of corrective action to be implemented to prevent recurrence.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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|--|--|----------------|-------------------|-----------------|----------|--------|
| FACILITY NAME (1) D. C. Cook Unit One | DOCKET NUMBER (2) 0 5 0 0 0 3 1 5 | LER NUMBER (8) | | | PAGE (3) | |
| | | YEAR | SEQUENTIAL NUMBER | REVISION NUMBER | | |
| | | 8 4 | 0 2 0 | 0 0 | 0 1 2 | OF 0 2 |

TEXT: (If more space is required, use additional NRC Form 388A's) (17)

On August 22, 1984 at approximately 0001 hours while in mode 1 and operating at 100% power, the Control Room Cable Vault Supply Fan Damper was found inoperable. The inoperability of the damper was discovered while conducting the 18 month surveillance test of the Carbon Dioxide Fire Protection System (12 THP 4030 STP.225D). During this test, this guillotine type damper failed to close as designed. While inspecting the damper after the test, it was found that a short section of conduit was positioned such that it prohibited the damper from functioning. The obstruction was then removed and the operability of the damper verified. The closure of this damper has a direct effect on the concentration of carbon dioxide in the cable vault area.

The last operability inspection of the fire dampers was conducted on May 21, 1984 by procedure 12 MHP 4030 STP.028. No conduit was noted obstructing the Control Room Cable Vault Damper at this time. However, a section of conduit was found in another fire damper, tag number 1-HV-DGD-2, which is for the Unit 1 CD Diesel Generator Fuel Oil Day Tank Enclosure. This damper is also of the guillotine type and was found in a partially closed position with the obstructing conduit positioned perpendicular to the damper at the bottom sill of the opening. The section of conduit was then removed and acceptable damper operation verified. This condition was not reported at that time with the exception of a note on the original data sheet.

An investigation of these events revealed that personnel resetting these dampers after surveillance tests or actual actuations occasionally use conduit to hold the dampers open. This is done to facilitate the reattaching of the latching mechanism. Not all situations requiring resetting of the fire dampers are covered by procedural controls. There is no conclusive evidence as to who was responsible for this blockage in either instance.

This LER is being submitted on an interim basis pending an assessment of the safety consequences of the events and the determination of corrective action to be implemented to prevent recurrence.



INDIANA & MICHIGAN ELECTRIC COMPANY

DONALD C. COOK NUCLEAR PLANT
P.O. Box 458, Bridgman, Michigan 49106
(616) 465-5901

September 20, 1984

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

Operating License DPR-58
Docket No. 50-315

Document Control Manager:

In accordance with the criteria established by 10CFR50.73 entitled Licensee Event Report System, we are submitting an interim Licensee Event Report. The schedule for submitting the final report is identified within the attached Licensee Event Report.

RO 84-020-0

Sincerely,

E L Townley

for W.G. Smith, Jr.
Plant Manager

/cbm

Attachment

cc: John E. Dolan
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