

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9503010362 DOC. DATE: 95/02/20 NOTARIZED: NO DOCKET #
FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316
AUTH. NAME AUTHOR AFFILIATION
BEILMAN, T.P. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
BLIND, A.A. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 95-001-00: on 950106, Unit 2 fir detection sys was made
inoperable w/o compensated action due to personnel error.
Restored switch to "on" position & completed test.

DISTRIBUTION CODE: IE22T COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4
TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

NOTES:

	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL	RECIPIENT ID CODE/NAME	COPIES LTTR ENCL
	PD3-1 PD	1 1	HICKMAN, J	1 1
INTERNAL:	AEOD/SPD/RAB	1 1	AEOD/SPD/RRAB	1 1
	FILE CENTER 02	1 1	NRR/DE/ECGB	1 1
	NRR/DE/EELB	1 1	NRR/DE/EMEB	1 1
	NRR/DISP/PIPB	1 1	NRR/DOPS/OECB	1 1
	NRR/DRCH/HHFB	1 1	NRR/DRCH/HICB	1 1
	NRR/DRCH/HOLB	1 1	NRR/DRSS/PRPB	2 2
	NRR/DSSA/SPLB	1 1	NRR/DSSA/SRXB	1 1
	RES/DSIR/EIB	1 1	RGN3 FILE 01	1 1
EXTERNAL:	L ST LOBBY WARD	1 1	LITCO BRYCE, J H	2 2
	NOAC MURPHY, G.A	1 1	NOAC POORE, W.	1 1
	NRC PDR	1 1	NUDOCS FULL TXT	1 1

NOTE TO ALL "RIDS" RECIPIENTS:

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February 20, 1995

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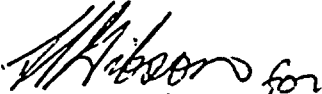
Operating Licenses DPR-74
Docket No. 50-316

Document Control Manager:

In accordance with the criteria established by
10 CFR 50.73 entitled Licensee Event Report System, the
following report is being submitted:

95-001-00

Sincerely,


A. A. Blind
Plant Manager

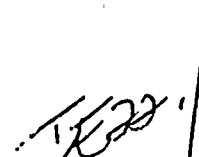
/mr

Attachment

c: J. B. Martin, Region III
E. E. Fitzpatrick
P. A. Barrett
R. F. Kroeger
M. A. Bailey - Ft. Wayne
NRC Resident Inspector
J. B. Hickman - NRC
J. R. Padgett
G. Charnoff, Esq.
D. Hahn
INPO
S. J. Brewer

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9503010362 950220
PDR ADOCK 05000316
S PDR



LICENSEE EVENT REPORT (LER)

(See reverse for required number of digits/characters for each block)

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 52.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MN88 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20553-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

DONALD C. COOK NUCLEAR POWER PLANT - UNIT 2

DOCKET NUMBER (2)

05000 316

PAGE (3)

1 OF 3

TITLE (4) UNIT 2 FIRE DETECTION SYSTEM MADE INOPERABLE WITHOUT COMPENSATORY ACTION DUE TO PERSONNEL ERROR.

EVENT DATE (5)			LER NUMBER (6)			REPORT NUMBER (7)			OTHER FACILITIES INVOLVED (8)	
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAME	DOCKET NUMBER
01	06	95	95	001	00	02	20	95		05000
OPERATING MODE (9)			THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)							
1			20.402(b)			20.405(c)			50.73(a)(2)(iv)	
POWER LEVEL (10)			20.405(a)(1)(i)			50.36(c)(1)			50.73(a)(2)(v)	
100%			20.405(a)(1)(ii)			50.36(c)(2)			50.73(a)(2)(vii)	
			20.405(a)(1)(iii)			X 50.73(a)(2)(i)			50.73(a)(2)(viii)(A)	
			20.405(a)(1)(iv)			50.73(a)(2)(ii)			50.73(a)(2)(viii)(B)	
			20.405(a)(1)(v)			50.73(a)(2)(iii)			50.73(a)(2)(x)	

(Specify in Abstract below and in Text, NRC Form 366A)

LICENSEE CONTACT FOR THIS LER (12)

NAME

T. P. BEILMAN, MAINTENANCE SUPERINTENDENT

TELEPHONE NUMBER (include Area Code)

616/466-2601

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPPDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPPDS

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE)	NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
X					

ABSTRACT (Limit to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)

On January 6, 1995 at 1112 hours it was discovered that the Unit 2 fire detection monitor panel switch (EIIS/IC-HS) had been placed in the "off" position during the performance of a surveillance. In the "off" position, visual and audible alarms associated with the Unit 2 fire detection zones will not alarm in the Control Room. It was determined that the switch had been in the "off" position for approximately three hours, during which time all Unit 2 fire detection was inoperable without the appropriate compensatory measures being taken.

On January 26, 1995 it was determined that this event was reportable under 10CFR50.73(a)(2)(i)(B), as operation prohibited by Technical Specifications.

The event is attributed to personnel error. The switch was left in the "off" position in violation of the procedure being used to perform the surveillance.

If a fire had occurred during the period when the fire detection system was inoperable, a "Fire System Actuation" or "CO2 Header Pressurized" alarm would still have annunciated in the Control Room for the areas provided with fire suppression capabilities, alerting the Control Room to a fire in the monitored areas. Routine security patrols and operator tours were also ongoing for areas without a fire suppression system. In addition, multiple Unit 2 fire detection zones were being toured as a result of other fire protection concerns. Based on this, the event did not represent a significant safety hazard and at no time was the health of safety of the public placed in jeopardy.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 500 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-630), 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 (6)			PAGE (3)
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	
DONALD C. COOK NUCLEAR POWER PLANT UNIT 2	0151010101311161915	01011	010	012 OF 013	

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

Conditions Prior to the Occurrence

Unit One was in Mode 1 at 100 percent power, Unit 2 was in Mode 1 at 100 percent power.

Description of Event

On January 6, 1995 at approximately 0815 hours, the Unit 2 fire detection monitor panel switch (EIIS)/IC-HS) was taken to the "off" position by a technician performing a routine surveillance. The technician then left the Control Room without restoring the panel alarm function.

The panel switch was in the "off" position for approximately 3 hours before it was discovered at 1112 hours and restored to the "on" position.

The fire detection monitor panel switch (EIIS/IC-HS) is a cut-out switch for the Pyrotronics fire detection system installed throughout the unit and in various site office buildings. In the "off" position, visual and audible alarms associated with the fire detection zones will not alarm in the Control Room.

During the 3 hours that the switch was in the "off" position no visual or audible alarms could be received in the Control Room, causing the fire detection system to be inoperable without proper compensatory measures being taken.

Cause of Event

This event is attributed to personnel error. The procedure for the surveillance being performed, **12 THP 6030.IMP.153, allows the monitor panel switch (EIIS/IC-HS) to be taken to the "off" position momentarily to reset alarms at the panel. However, the procedure also specifically states that the technician at the panel is responsible for ensuring that the Control Room alarm functions are restored prior to leaving the test panel unattended. The technician placed the switch in the "off" position and then exited the Control Room.

A lack of understanding of the function of the switch contributed to this event. It was not understood until after the event, while reviewing the applicable print, that placing the switch to "off" would defeat all Unit 2 fire detection.

Analysis of Event

This event was determined to be reportable on January 26, 1995 pursuant to 10CFR50.73(a)(2)(i)(B) as operation prohibited by the plant's Technical Specification. Technical Specification 3.3.3.8 requires that within one hour, an hourly fire watch patrol be established if more than one half of the fire detectors in any fire detection zones are inoperable. With the fire detection monitor alarm switch in the "off" position, all Unit 2 fire detection was inoperable.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

ESTIMATED BURDEN PER RESPONSE TO COMPLY WITH THIS INFORMATION COLLECTION REQUEST: 500 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE RECORDS AND REPORTS MANAGEMENT BRANCH (P-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 (8)

PAGE (3)

DONALD C. COOK NUCLEAR POWER PLANT
UNIT 2

0 5 0 0 0 3 1 6 9 5 - 0 0 1 - 0 0 0 3 OF 0 3

TEXT (If more space is required, use additional NRC Form 305A's) (17)

Analysis of Event (continued)

In the event of a fire, a "Fire System Actuation " or "CO2 Header Pressurized" alarm would still have annunciated in the Control Room for those areas provided with fire suppression capabilities. Routine security patrols and operator tours were ongoing in the areas monitored by the fire detection system but not having fire suppression capabilities. In addition, multiple Unit 2 fire detection zones were being toured in support of other fire protection concerns. Based on this, the event did not represent a significant safety concern. At no time was the health or safety of the public jeopardized.

Corrective Action

Upon discovery, the switch was restored to the "on" position and testing was completed.

To prevent recurrence, labels have been placed on the control panel for each unit at the monitor switch. The label cautions personnel against leaving the switch in the "off" position and states the results of leaving it in that configuration, including the Technical Specification which must be entered.

Similar Events

315/93-003-01

Failed Component Identification

None