

# ACCELERATED DOCUMENT DISTRIBUTION SYSTEM

## REGULATED INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9309090071 DOC. DATE: 93/09/02 NOTARIZED: NO DOCKET #  
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315  
 AUTH. NAME AUTHOR AFFILIATION  
 RICHARDSON, S.A. 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 93-003-01: on 930702, noted that fire detection monitor alarm switch placed & left in "Off" position. Caused by personnel error. C/As included discussions of event w/ personnel involved re attention to detail. W/930902 ltr.

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

### NOTES:

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	DEAN, W		1	1						
INTERNAL:	ACNW		2	2		AEOD/DOA		1	1	
	AEOD/DSP/TPAB		1	1		AEOD/ROAB/DSP		2	2	
	NRR/DE/EELB		1	1		NRR/DE/EMEB		1	1	
	NRR/DORS/OEAB		1	1		NRR/DRCH/HHFB		1	1	
	NRR/DRCH/HICB		1	1		NRR/DRCH/HOLB		1	1	
	NRR/DRIL/RPEB		1	1		NRR/DRSS/PRPB		2	2	
	NRR/DSSA/SPLB		1	1		NRR/DSSA/SRXB		1	1	
	REG FILE 02		1	1		RES/DSIR/EIB		1	1	
	RGN3 FILE 01		1	1						
EXTERNAL:	EG&G BRYCE, J.H		2	2		L ST LOBBY WARD		1	1	
	NRC PDR		1	1		NSIC MURPHY, G.A		1	1	
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NOTE TO ALL "RIDS" RECIPIENTS:

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AO-4  
 2/17

Indiana Michigan  
Power Company  
Cook Nuclear Plant  
One Cook Place  
Bridgman, MI 49106  
616 465 5901



INDIANA  
MICHIGAN  
POWER

September 2, 1993

United States Nuclear Regulatory Commission  
Document Control Desk  
Rockville, Maryland 20852

Operating Licenses DPR-58  
Docket No. 50-315

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:

93-003-01

Sincerely,

A. A. Blind  
Plant Manager

/sb

Attachment

c: J. B. Martin, Region III  
E. E. Fitzpatrick  
P. A. Barrett  
R. F. Kroeger  
M. A. Bailey - Ft. Wayne  
NRC Resident Inspector  
B. A. Wetzel - NRC  
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S. J. Brewer  
B. A. Svensson

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9309090071 930902  
PDR ADOCK 05000315  
S PDR

JE22



## LICENSEE EVENT REPORT (LER)

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-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)  
Donald C. Cook Nuclear Plant

DOCKET NUMBER (2)  
0 5 0 0 0 3 1 5

PAGE (3)  
1 OF 0 3

TITLE (4)  
Fire Watch Patrols not Established per Plant Technical Specifications Due to Personnel Error

EVENT DATE (5)  
MONTH: 0, DAY: 7, YEAR: 0293

LER NUMBER (6)  
YEAR: 93, SEQUENTIAL NUMBER: 003, REVISION NUMBER: 01

REPORT DATE (7)  
MONTH: 0, DAY: 9, YEAR: 0293

OTHER FACILITIES INVOLVED (8)  
FACILITY NAMES: , DOCKET NUMBER(S): 0 5 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

POWER LEVEL (10)  
1, 0, 0

20.402(b) 20.405(c) 50.73(a)(2)(iv) 73.71(b)

20.406(a)(1)(i) 50.73(a)(2)(v) 73.71(c)

20.406(a)(1)(ii) 50.73(a)(2)(vi) OTHER (Specify in Abstract below and in Text, NRC Form 366A)

20.406(a)(1)(iii) X 50.73(a)(2)(vii)(A)

20.406(a)(1)(iv) 50.73(a)(2)(vii)(B)

20.406(a)(1)(v) 50.73(a)(2)(ix)

LICENSEE CONTACT FOR THIS LER (12)  
NAME: S.A. Richardson - Operations Department Superintendent

TELEPHONE NUMBER: 6 1 6 4 6 5 5 9 0 1

AREA CODE: 6 1 6

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

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

EXPECTED SUBMISSION DATE (15)  
MONTH: , DAY: , YEAR:

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

On July 2, 1993 at approximately 1800 hours, the Unit 1 fire detection monitor alarm switch was placed and left in the "off" position. The fire detection monitor alarm switch is a cut out switch for the pyrotronics fire detection system installed throughout the unit and within various site office buildings. In the "off" position, visual and audible alarms associated with the pyrotronic fire detection zones will not alarm in the control room. However, in the event of a fire, a fire system actuation or CO<sub>2</sub> header pressurized alarm would still annunciate in the control room for the areas provided with fire suppression capabilities.

Spurious fire alarms had been received and reset throughout the day. The fire system is reset by turning the fire detection system control switch to "off" and then back to the "on" position. At approximately 1800 hours while resetting the fire detection system, the fire detection system control switch was inadvertently left in the "off" position. Compensatory actions required by Technical Specifications were not taken due to the control room operators being unaware of the switch being mispositioned.

The cause of this event is personnel error. Administrative actions have been taken with the involved personnel.

LICENSEE EVENT REPORT (LER)  
TEXT CONTINUATION

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)  Donald C. Cook Nuclear Plant	DOCKET NUMBER (2)  0   5   0   0   0   3   1   5	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9   3	—   0   0   3	—   0   1	0   2	OF	0   3

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

Conditions Prior to Occurrence

Unit one (U-1) in mode one at 100% power.

Unit two (U-2) in mode one at 70% power.

Description of Event

On July 2, 1993 at approximately 1800 hours during shift turnover, the Unit 1 fire detection monitor alarm switch (EIIS/IC-HS) was turned and left in the "off" position. The fire detection monitor alarm switch is a cut out switch for the pyrotronics fire detection system installed throughout the unit and within various site office buildings. In the "off" position, visual and audible alarms associated with the pyrotronic fire detection zones will not alarm in the control room. However, a fire system actuation or CO<sub>2</sub> header pressurized alarm would still annunciate in the control room for the areas provided with fire suppression capabilities.

Fire alarms verified as spurious had been received from Zone 28, Non Essential Service Water (NESW) area; throughout the day shift. Control room operators had routinely reset the fire system by turning the fire detection system control switch to "off" and then back to the "on" position, which would clear the spurious alarm.

At approximately 1800 hours the Reactor Operator (RO) noted that the white light indicating Zone 28 trouble had cleared, and reset the standing "Unit Pyro Abn or Fire" annunciator by turning the fire detection monitor alarm switch to "off". The RO believed that he placed the switch back to "on". However, since the night shift didn't receive fire/trouble alarms until the security guard contacted the control room, evidence points to the RO who reset the alarm at approximately 1800 hours as the operator who left the alarm in the "off" position.

At approximately 0130 hours on July 3, 1993 a Security Officer called the Unit 1 control room to report an alarm on the pyrotronics panel in the Unit 1 NESW area. The RO proceeded to fire panel EF in the control room and identified at this time that the fire detection monitor alarm switch was in the "off" position. The RO turned the switch to the "on" position and the white light for Zone 28 and Zone 23 (Aux Bldg Access Control Area) illuminated and the "Unit Pyro Abn or Fire" annunciator came in. Both zones 23 and 28 were toured and no fires were found. The panels were reset and no abnormalities were noted with the local panels or equipment.

Cause of Event

The cause of this event is personnel error. The offgoing RO did not ensure that the fire detection monitor alarm switch was returned to the "on" position after resetting the fire detection system.

LICENSEE EVENT REPORT (LER)  
TEXT CONTINUATION

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)

DOCKET NUMBER (2)

LER NUMBER (6)

PAGE (3)

Donald C. Cook Nuclear Plant

0 | 5 | 0 | 0 | 0 | 3 | 1 | 5

9 | 3 | — | 0 | 0 | 3 | — | 0 | 1 | 0 | 3 | OF | 0 | 3

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

Analysis

This event is considered reportable pursuant to 10CFR50.73(a)(2)(i)(B) as operation prohibited by the Plant's Technical Specifications. Technical Specification 3.3.3.7 (Fire Detection Instrumentation) requires that within one hour, an hourly fire watch patrol be established if more than one-half of the Function A fire detectors in any fire detection zone shown in Table 3.3.10 are inoperable. With the fire detection monitor alarm switch in the "off" position, no fire or trouble alarms could be received in the control room.

In the event of a fire, a fire system actuation or CO<sub>2</sub> header pressurized alarm would still annunciate in the control room for the areas provided with fire suppression capabilities. In addition, routine security guard patrols and operator tours were conducted in the areas that are monitored by the fire detection system but do not have fire suppression capabilities. Based on the above, this event did not represent a significant safety concern.

Corrective Action

This event was discussed with the personnel involved and their supervisor. Self checking and attention to detail were reinforced during this discussion.

Failed Component Identification

None

Previous Similar Events

None

