

PRIORITY 1

(ACCELERATED RIDS PROCESSING)

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9510170401 DOC. DATE: 95/10/13 NOTARIZED: NO DOCKET #
FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
AUTH. NAME AUTHORITY AFFILIATION
BLIND, A.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 95-009-00: on 950913, fire protection compensatory actions
incorrectly established. Caused by personnel error. Continuous
fire watch patrol established & personnel counselled. W/
951013 ltr.

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TITLE: 50.73/50.9 Licensee Event Report (LER), Incident Rpt, etc.

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



October 13, 1995

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:

95-009-00

Sincerely,

A. A. Blind
Plant Manager

/clc

Attachment

c: H. J. Miller, Region III
E. E. Fitzpatrick
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R. F. Kroeger
M. A. Bailey - Ft. Wayne
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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: 50.0 HRS. FORWARD COMMENTS REGARDING BURDEN ESTIMATE TO THE INFORMATION AND RECORDS MANAGEMENT BRANCH (MNBB 7714), U.S. NUCLEAR REGULATORY COMMISSION, WASHINGTON, DC 20555-0001, AND TO THE PAPERWORK REDUCTION PROJECT (3150-0104), OFFICE OF MANAGEMENT AND BUDGET, WASHINGTON, DC 20503.

FACILITY NAME (1)

Donald C. Cook Nuclear Plant - Unit 1

DOCKET NUMBER (2)

05000 315

PAGE (3)

1 OF 3

TITLE (4)

Fire Protection Compensatory Actions Incorrectly Established 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
09	13	95	95	-- 009 --	00	10	13	95	Cook - Unit 2	05000 316
									FACILITY NAME	DOCKET NUMBER
										05000

OPERATING MODE (9)

6

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)

20.402(b)	20.405(c)	50.73(a)(2)(iv)	73.71(b)
20.405(a)(1)(i)	50.36(c)(1)	50.73(a)(2)(v)	73.71(c)
20.405(a)(1)(ii)	50.36(c)(2)	50.73(a)(2)(vii)	OTHER
20.405(a)(1)(iii)	X 50.73(a)(2)(i)	50.73(a)(2)(vii)(A)	(Specify in Abstract below and in Text, NRC Form 366A)
20.405(a)(1)(iv)	50.73(a)(2)(ii)	50.73(a)(2)(vii)(B)	
20.405(a)(1)(v)	50.73(a)(2)(iii)	50.73(a)(2)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME

W. Hodge, Plant Protection Superintendent

TELEPHONE NUMBER (Include Area Code)

616/465-5901 x3370

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)

X

NO

EXPECTED SUBMISSION DATE (15)

MONTH DAY YEAR

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

On September 13, 1995, with Unit 2 at 100 percent power the fire detection system for the Unit 2 Pressurizer Heater Transformer Room and Diesel Generator Ramp/Corridor Areas, Detection Zone #31, was declared inoperable. An hourly fire watch patrol was established to patrol these areas at 1530 hours as required by Technical Specification (TS) 3.3.3.8.

Prior to Detection Zone #31 being declared inoperable, fire watch patrols had been established in Unit 2 for the planned removal of Unit 1 shutdown support capabilities for the Reactivity Control System/Charging Pump and Auxiliary Feedwater Systems, TS 3.1.2.3 and 3.7.1.2, respectively. The action statements require equivalent shutdown capability be established in the form of fire watch patrols. The patrol frequency is dependent on the operability of the fire detection systems in the affected areas. The Unit 2 Pressurizer Heater Transformer Room was an affected area. With the loss of detection in the area, a continuous patrol was required in this area. A continuous post was not established until sixteen hours after Detection Zone #31 was declared inoperable.

The event was caused by Fire Protection Section personnel error.

During this sixteen hour period the affected area was toured approximately every half hour. During that time Unit 2 continued to operate at 100 percent power with its shutdown equipment operable. Based on this, the event did not constitute a significant safety hazard and at no time was the health and safety of the public in jeopardy.

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 - Unit 1	0 5 0 0 0 3 1 5	YEAR: 9 5 SEQUENTIAL NUMBER: 0 0 9 REVISION NUMBER: 0 0	0 2 OF 0 3

TEXT (If more space is required, use additional NRC Form 368A's) (17)

Conditions Prior to Event

Unit 1 was in Mode 6

Unit 2 was in Mode 1 at 100 percent Rated Thermal Power

Description of Event

On September 13, 1995, the fire detection system for the Unit 2 Pressurizer Heater Transformer Room and Diesel Generator Ramp/Corridor Areas, Detection Zone #31, was declared inoperable. An hourly, roving fire watch tour was established to patrol these areas at 1530 hours as required by Unit 2 Technical Specification (TS) 3.3.3.8. Prior to Detection Zone #31 being declared inoperable, roving fire watch patrols had been established for the planned removal of Unit 1 shutdown support capabilities for the Reactivity Control System/Charging Pumps (CVCS) and Auxiliary Feedwater Systems (AFW), Unit 1 TS 3.1.2.3. and 3.7.1.2, respectively. The TS Bases for 3.1.2.3 and 3.7.1.2 state, in part, "Fire watches posted in the affected opposite unit areas...may serve as the equivalent shutdown capability specified in the action statements of Specification 3.1.2.3 (3.7.1.2). In the affected areas, either establish continuous fire watches or verify the OPERABILITY of the fire detectors per Specification...and establish hourly fire watch patrols.". One such affected area was the Unit 2 Pressurizer Heater Transformer Room. Upon the inoperability of the detection system in this area, the roving fire watch patrol was required to be upgraded to a continuous post.

At 1530 hours on September 13, 1995, the Unit 2 Control Room Unit Supervisor (US) contacted the Fire Protection Section. The Unit Supervisor informed a fire protection technician that Detection Zone #31 was inoperable. The US also listed the specific areas, i.e., Unit 2 Pressurizer Heater Transformer Room and Diesel Generator Ramp/Corridor, the zone monitored. The technician, when adding these areas to the tour, noted that the Unit 2 Pressurizer Heater Transformer Room was already being toured by a roving fire watch patrol. He failed to recognize that this area was being toured for equivalent shutdown capability reasons. Rather than upgrading the tour to a continuous patrol, he documented a second reason, i.e., loss of detection, for the established patrol.

On September 14, 1995, it was recognized by the Fire Watch Supervisor, while reviewing documentation from the previous night, that the TS 3.1.2.3 and 3.7.1.2. action statements were not being met for the specific area in question. A continuous fire watch post was established on September 14, 1995, at 0730 hours, sixteen hours after the continuous post was required.

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

TEXT (If more space is required, use additional NRC Form 368A's) (17)

Cause of Event

The cause of this event was personnel error. The fire protection technician failed to recognize the significance that the Appendix R related tour had on the overall Plant Fire Protection Program. When the impairment was noted, the technician did not take into consideration the established Appendix R tour and the impact this impairment had on this tour.

Analysis of Event

This event is considered reportable per the requirements of 10CFR50.73(a)(2)(i)(B) since TS 3.1.2.3 and 3.7.1.2 required a continuous fire watch patrol in the Unit 2 Pressurizer Heater Transformer Room instead of the roving fire watch patrol established. Upon the inoperability of Detection Zone #31, an hourly fire watch patrol was confirmed to have been established on September 13, 1995, at 1530 hours. This was upgraded to the required continuous patrol on September 14, 1995, at 0730 hours, for a total of sixteen hours of noncompliance.

The roving fire watch patrolled the affected area approximately once every half hour during this sixteen hour period. In that time span, Unit 2 continued to operate safely at 100% power with all shutdown equipment available for use. Based on this, it is concluded that this event did not constitute a significant hazard to the health and safety of the public.

Corrective Action

A continuous fire watch patrol was established in the Unit 2 Pressurizer Heater Transformer Room, as required by TS 3.1.2.3 and 3.7.1.2, on September 14, 1995, at 0730 hours.

Personnel counselling has been completed for the applicable technician regarding making non-conservative decisions.

Refresher training has been provided to all fire protection technicians for 10CFR50 Appendix R Equivalent Shutdown Capability and the associated compensatory action requirements.

Previous Similar Events

315/94-009-00
316/94-002-00
315/93-003-00
315/91-001-00