

PRIORITY 1

(ACCELERATED RIDS PROCESSING)

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9510050134 DOC. DATE: 95/10/02 NOTARIZED: NO DOCKET #
FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
AUTH. NAME AUTHOR AFFILIATION
NOBLE, D. 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 95-008-00: on 950918, spent fuel pool exhaust sys was made inoperable by loss of auxiliary bldg integrity during fuel movement w/o compensatory actions being taken. Immediately stopped fuel movement. W/951002 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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Indiana Michigan
Power Company
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
616 465 5901



October 2, 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:

95-008-00

Sincerely,

A handwritten signature in cursive script, appearing to read 'A. A. Blind'.

A. A. Blind
Plant Manager

/clc

Attachment

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

050015

9510050134 951002
PDR ADOCK 05000315
S PDR

Handwritten initials, possibly 'DE 22', followed by a vertical line.

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
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TITLE (4) Spent Fuel Pool Exhaust System Made Inoperable By Loss Of Auxiliary Building Integrity During Fuel Movement Without Compensatory Actions Being Taken

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	18	95	95	-- 008 --	00	10	02	95	Cook - Unit 2	05000 316
									FACILITY NAME	DOCKET NUMBER
										05000

OPERATING MODE (9) 5	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)										
POWER LEVEL (10) 0	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)(viii)(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)(viii)(B)				
20.405(a)(1)(v)			50.73(a)(2)(iii)			50.73(a)(2)(x)					

LICENSEE CONTACT FOR THIS LER (12)									
NAME D. Noble, Radiation Protection Superintendent							TELEPHONE NUMBER (include Area Code) 616-465-5901 x2527		

COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)										
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDOS

SUPPLEMENTAL REPORT EXPECTED (14)					EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X	NO						

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

On August 18, 1995 a door located at the south end of the 609' elevation auxiliary building was found stuck open during fuel movement in the spent fuel pool. Upon finding the door open, fuel movement was halted and all potential release pathways upstream of the door were closed.

Technical Specification 3.9.12 states the spent fuel pool exhaust ventilation system shall be operable whenever irradiated fuel is in the storage pool. On September 12, 1995, it was determined that with this door open, auxiliary building integrity was not met and the spent fuel pool exhaust ventilation system was not operable. This event is therefore reportable under 10CFR50.73(a)(2)(i)(B), as operation prohibited by Technical Specifications.

This event is attributed to poor design of a supplemental door installed for personnel access to the auxiliary building crane bay. The supplemental door(s) have been removed and the permanent roll-up door place back in service.

This event was determined to have no actual or potential adverse effect on the health and safety of the public.

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 - Unit 1	DOCKET NUMBER (2) 0 5 0 0 0 3 1 5	LER NUMBER (6)			PAGE (3)		
		YEAR 9 5	SEQUENTIAL NUMBER 0 0 8	REVISION NUMBER 0 0	0 2	OF	0 3

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

Conditions Prior To Occurrence

Unit 1 in Mode 5, Cold Shutdown

Unit 2 in Mode 1, at 99 percent Rated Thermal Power

Description Of Event

On August 18, 1995 at approximately 2100 hours the door located at the south end of the 609' elevation auxiliary building crane bay was found stuck in the open position while fuel movement was in progress in the 650' elevation spent fuel pool. The door supplements 2-DR-AUX-383, a roll-up door, and acts as the ventilation boundary when the roll-up door is open for personnel access. Technical Specification 3.9.12 requires this door be closed or under administrative control during operations involving movement of fuel within the storage pool or crane operation with loads over the storage pool.

The door was estimated to have been open for approximately one hour.

Cause Of Event

This event is attributed to poor door design. The floor slopes where the auxiliary building and the entryway meet. This was not taken into account when the door was installed. The left portion of the door would stick if open fully; the right portion of the door would stick when approximately half way open. The installed closure mechanism consisted of two small springs. These springs were not strong enough to maintain their shape and became weaker due to continual usage and inappropriate installation.

Analysis Of Event

This event is being reported in accordance with 10CFR50.73 (a) (2) (i) (B) as operation prohibited by the plant's Technical Specifications. Technical Specification 3.9.12 requires the storage pool exhaust ventilation system be operable whenever irradiated fuel is in the pool. On September 12, 1995 it was determined that with the supplemental door open, the storage pool exhaust ventilation system was not operable, and this event was therefore reportable.

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 (8)			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 8	— 0 0	0 3	OF	0 3

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

Analysis Of Event (cont'd)

Closure of the crane bay roll-up door and the drumming room roll-up door provide a ventilation barrier to ensure a negative pressure is maintained in the auxiliary building. These doors may be opened for personnel use provided established administrative controls are maintained.

It was concluded that while the door was stuck open, a release pathway upstream of the door did not exist. No safety hazards existed nor was the health and safety of the public in jeopardy at any time.

Corrective Action

At the time of the event, fuel movement was in progress in the spent fuel pool. Upon notification of the door being found open, fuel movement was immediately stopped, the door inspected and closed, and auxiliary building integrity re-established. Fuel movement did not recommence until the door was closed and auxiliary building integrity re-established.

The supplemental doors have been removed and the roll-up door has been placed back in service. Use of the roll-up door for personnel egress is being controlled in accordance with the Technical Specifications.

Previous Similar Events

None