

# ACCELERATED DISTRIBUTION DEMONSTRATION SYSTEM

## REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR:9001040142 DOC.DATE: 89/12/21 NOTARIZED: NO DOCKET #  
 FACIL:50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315  
 AUTH.NAME AUTHOR AFFILIATION  
 SVENSSON,B.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 89-013-00:on 890906,required compensatory action not  
 completed due to failure to recog impact of inoperable door.  
 W/8 ltr.

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	AEOD/DSP/TPAB	1 1	AEOD/ROAB/DSP	2 2
	DEDRO	1 1	NRR/DET/ECMB 9H	1 1
	NRR/DET/EMEB9H3	1 1	NRR/DET/ESGB 8D	1 1
	NRR/DLPQ/LHFB11	1 1	NRR/DLPQ/LPEB10	1 1
	NRR/DOEA/OEAB11	1 1	NRR/DREP/PRPB11	2 2
	NRR/DST/SELB 8D	1 1	NRR/DST/SICB 7E	1 1
	NRR/DST/SPLB8D1	1 1	NRR/DST/SRXB 8E	1 1
	NUDOCS-ABSTRACT	1 1	<del>REG FILE</del> 02	1 1
	RES/DSIR/EIB	1 1	RGN3 FILE 01	1 1
EXTERNAL:	EG&G WILLIAMS,S	4 4	L ST LOBBY WARD	1 1
	LPDR	1 1	NRC PDR	1 1
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P.O. Box 458  
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616 465 5901



December 21, 1989

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

Operating License DPR-58  
Docket No. 50-315

Document Control Manager:

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

89-013-00

Sincerely,

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

A.A. Blind  
Plant Manager

AAB:clw

Attachment

cc: D.H. Williams, Jr.  
A.B. Davis, Region III  
M.P. Alexich  
P.A. Barrett  
J.E. Borggren  
R.F. Kroeger  
NRC Resident Inspector  
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TE22  
11

## LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) D.C. Cook Nuclear Plant										DOCKET NUMBER (2) 0 5 0 0 0 3 1 5					PAGE (3) 1 OF 0 3								
TITLE (4) Required Compensatory Action Not Completed Due to Failure to Recognize Impact of Inoperable Access Door During a Postulated Steam Line Break																							
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)										
0	9	0	6	8	9	8	9	0	1	3	0	0	1	2	2	1	8	9	0	5	0	0	0
OPERATING MODE (9)		THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)																					
POWER LEVEL (10)		20.402(b)				20.405(c)				50.73(a)(2)(iv)				73.71(b)									
1 0 0		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 (Specify in Abstract below and in Text, NRC Form 366A)									
		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)(ix)													
LICENSEE CONTACT FOR THIS LER (12)																							
NAME										TELEPHONE NUMBER													
B.A. Svensson - Safety and Assessment Superintendent										6 1 6 4 6 5 - 5 9 0 1													
COMPLETE ONE LINE FOR EACH COMPONENT FAILURE DESCRIBED IN THIS REPORT (13)																							
CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs		CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPDs													
SUPPLEMENTAL REPORT EXPECTED (14)												EXPECTED SUBMISSION DATE (15)		MONTH	DAY	YEAR							
<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)												<input checked="" type="checkbox"/> NO											

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

On November 22, 1989, it was determined that between September 6, 1989 and October 3, 1989, the Unit One East Motor Driven Auxiliary Feedwater Pump (MDAF) should have been declared administratively inoperable when a continuous firewatch was replaced by a roving firewatch. The firewatch was required because the east MDAFP room door was inoperable and secured in the open position.

Due to the potential for a high energy line break in the Turbine Driven Auxiliary Feedwater Pump Room, the east MDAFP room door is required to be maintained in the closed position to prevent moisture entry. As a result of not considering the MDAFP inoperable during this event, we did not meet the requirements of Technical Specification 3.7.1.2.

During this event, the east MDAFP was functionally operable. Also, a roving firewatch patrol inspected this area once every 30 minutes and an operator inspected the area at least once per eight hour shift.

To prevent recurrence of such an event, in the future when the fire door to either Unit One or Unit Two east MDAFP room is blocked in the open position, the appropriate MDAFP will be declared inoperable and the applicable Technical Specification action statement will be entered.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

U.S. NUCLEAR REGULATORY COMMISSION

APPROVED OMB NO. 3150-0104

EXPIRES: 8/31/88

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
D.C. Cook Nuclear Plant - Unit 1	0 5 0 0 0 3 1 5	8 9	0 1 3	0 0	0 2	OF	0 3

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

Description of Event

On November 22, 1989, it was determined that between September 6, 1989 and October 3, 1989, the Unit One East Motor Driven Auxiliary Feedwater Pump (MDAFP) (EIIS/BA-P) should have been declared administratively inoperable when a continuous firewatch was replaced by a roving firewatch. The firewatch was required because the east MDAFP room door (EIIS/BA-DR) was inoperable due to a broken handle. The door was secured in the open position. The change from a continuous firewatch to a roving firewatch still satisfied the Fire Protection Technical Specification 3.7.10 requirements. However, due to the potential for a high energy line break in the Turbine Driven Auxiliary Feedwater Pump (TDAFP) Room, the East MDAFP room door is required to be maintained in the closed position to prevent moisture entry. As a result of not considering the MDAFP inoperable during this event, we did not meet the requirements of Technical Specification 3.7.1.2, which states "With one auxiliary feedwater pump inoperable, restore the required auxiliary feedwater pumps to operable status within 72 hours or be in at least HOT STANDBY within 6 hours and in HOT SHUTDOWN within the following six hours".

A review of the operability of the West MDAFP and the TDAFP was made for the time period when the East MDAFP was administratively inoperable. Only one situation was found when the West MDAFP was inoperable for five minutes for a surveillance test on October 2, 1989.

Cause of Event

The cause of this event was the failure of personnel to consider the MDAFP administratively inoperable with the MDAFP door in the open position.

Analysis of Event

This event is considered reportable pursuant to 10CFR50.73(a)(2)(i)(B).

During this event, the East MDAFP was functionally operable, however in the event of a high energy line break in the TDAFP room, the resulting environmental conditions in the MDAFP room with the door open may have rendered the MDAFP inoperable.

Throughout this period (September 6, 1989, through October 3, 1989), a roving firewatch patrol inspected this area once every 30 minutes and an operator inspected the area at least once per eight hour shift. Should there have been any indication of an incipient steam leak, the firewatch person is trained to notify his supervisor of any observed unusual conditions who in turn would have notified the control room and action would have been taken to isolate the leak.

## LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
D.C. Cook Nuclear Plant - Unit 1	0 5 0 0 0 3 1 5	8 9	0 1 3	0 0	0 3	OF	0 3

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

Analysis of Event cont.

Based on the above, it is concluded that this event did not constitute a significant hazard to the health and safety of the public or an unreviewed safety question as defined in 10CFR50.59.

Corrective Actions

On October 3, 1989, a continuous firewatch was posted at the door of the East MDAFP room. On October 6, 1989, the MDAFP room door was declared operable after its repair.

To prevent recurrence of such an event, in the future when the fire door to either Unit One or Unit Two East MDAFP rooms is blocked in the open position, the appropriate MDAFP will be declared inoperable and the applicable Technical Specification action statement will be entered. An Operating Memo to this effect has been issued and Plant Manager Standing Order Number 64 "Administrative Requirements for Control Room, Auxiliary Feedpump Room Doors, and Spray Additive Tank Room Doors", will be revised by January 31, 1990 to reflect these requirements.

Failed Component Identification

None.

Previous Similar Events

None.