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ACCESSION NBR: 9511060005 DOC. DATE: 95/11/01 NOTARIZED: NO DOCKET #
 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316 P
 AUTH. NAME AUTHOR AFFILIATION
 NICHOLS, W. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele R
 BLIND, A.A. Indiana Michigan Power Co. (formerly Indiana & Michigan Ele
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 95-008-00: on 950905, inadequate procedural guidance
 resulted in autostart of essential SW pump on unexpected ESF
 signal. Event was evaluated & determined to be of no safety
 significance. W/951101 ltr. O
 R

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November 1, 1995

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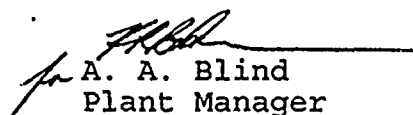
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Docket No. 50-316

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:

95-008-00

Sincerely,


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
M. R. Padgett
G. Charnoff, Esq.
D. Hahn
Records Center, INPO
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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: 500 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 2

DOCKET NUMBER (2)

05000 316

PAGE (3)

1 OF 3

TITLE (4)

Inadequate Procedural Guidance Results In AutoStart Of Essential Service Water Pump On Unexpected ESF Signal

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	05	95	95	-- 008 --	00	11	01	95	Cook - Unit 1	05000 315
									FACILITY NAME	DOCKET NUMBER
										05000

OPERATING MODE (9)	POWER LEVEL (10)	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)				
3	0	20.402(b)	20.405(c)	X	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)	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

W. Nichols, Operations Superintendent

TELEPHONE NUMBER (include Area Code)

616/465-5901 x2536

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 5, 1995, at 1720 hours, with Unit One in Mode 6 and Unit Two in Mode 3, the Unit One Control Room Instrument Distribution 1 (CRID-1) was de-energized. This resulted in the generation of an Engineered Safety Feature Safety Injection signal which caused an unanticipated Unit Two West Essential Service Water (ESW) Pump auto start. Unit 2 Operations personnel verified that no Safety Injection condition existed on Unit 1. The 2 West ESW pump was left running until the Unit One CRID-1 was returned to service.

A conservative four hour red phone call was made at 2048 hours on September 5, 1995 in accordance with 10CFR50.72. The event was evaluated and it was determined on October 2, 1995 that the auto start of the pump was reportable as an LER in accordance with 10CFR50.73(a)(2)(iv).

This event is attributed to inadequate procedural guidance. To prevent reoccurrence, the procedures for Operation of CRID Power Supplies have been revised to include the expected auto start signal. The standard clearances for removing CRIDs 1 and 4 from service have been revised to reflect this information.

This event was evaluated and determined to be of no safety significance as at no time was the health or 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) Donald C. Cook Nuclear Plant - Unit 2	DOCKET NUMBER (2) 0 5 0 0 0 3 1 6	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		9 5	— 0 0 8	— 0 0	0 2	OF	0 3

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

Conditions Prior to the Occurrence

Unit 1 was in Mode 6, defueled
Unit Two was in Mode 3 preparing for restart

Description of Event

On September 5, 1995 at approximately 1720 hours, the Unit One Control Room Instrumentation Distribution 1 (CRID-1) was removed from service to support inverter preventive maintenance. The procedure for operation of CRID Power Supplies was performed in conjunction with a clearance being hung. When CB1, the input breaker from Unit One CRID-1 inverter, was opened the K610X-X1 relay was de-energized. The de-energization of this relay resulted in the Unit Two West Essential Service Water (ESW) pump receiving an Engineered Safety Feature Safety Injection signal and the pump auto started. While the Unit Two control room team was aware of Unit One CRID-1 being removed from service, the auto start of the Unit Two West Essential Service Water Pump was unexpected.

The Unit Two control room team responded to the alarm, verifying there was no Safety Injection on Unit One. The 2 West ESW pump was left in service until the Unit One CRID-1 was returned to service.

Cause of Event

This event is attributed to inadequate procedural guidance. The procedures for Operation of CRID Power Supplies did not identify that the K610X-X1 or K611X-X1 relays would de-energize upon loss of the CRID inverter and generate the ESF signal.

LICENSEE EVENT REPORT (LER)
TEXT CONTINUATION

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

This event is being reported in accordance with 10CFR50.73(a)(2)(iv) as an event which resulted in the automatic generation of an Engineered Safety Feature signal. The starting of the Unit Two West Essential Service Water Pump upon loss of power to the Unit One CRID-1 is a design feature that provides backup for Unit One.

At the time of the event it was conservatively determined that a four hour red phone call was appropriate in accordance with 10CFR50.72. The event was subsequently evaluated and on October 2, 1995, it was determined that the event was reportable in accordance with 10CFR50.73 as an ESF signal.

This event has no safety significance as it was not indicative of a degradation in the level of safety of the plant or a deterioration of plant conditions. At no time was the health or safety of the public in jeopardy.

Corrective Action

To prevent reoccurrence, both units' procedures for Operation of CRID Power Supplies have been changed to reflect the expected auto start signal for the opposite Unit's East or West Essential Service Water Pump. Additionally, the both units' standard clearances for removing CRID-1 and CRID-4 from service have been revised to reflect this information.

Similar Events

315/95-005-00