

CATEGORY 1

REGULATOR INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9611050301 DOC. DATE: 96/10/28 NOTARIZED: NO DOCKET #
 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana M 05000315
 AUTH. NAME AUTHOR AFFILIATION
 ALLARD, J. American Electric Power Co., Inc.
 BLIND, A.A. American Electric Power Co., Inc.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 96-005-00: on 960926, reactor protection SYS actuation occurred. Caused by personnel error. Calibration was terminated immediately after receipt of RPS signal.

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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American Electric Power
Cook Nuclear Plant
One Cook Place
Bridgman, MI 49106
616 465 5901



October 28, 1996

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:

96-005-00

Sincerely,

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

A. A. Blind
Site Vice President

/mbd

Attachment

c: A. B. Beach, Region III
E. E. Fitzpatrick
P. A. Barrett
S. J. Brewer
J. R. Padgett
D. Hahn
Records Center, INPO
NRC Resident Inspector

JE-21

9611050301 961028
PDR ADOCK 05000315
S PDR

050015

LICENSEE EVENT REPORT (LER)

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)

50-315

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TITLE (4)

Reactor Protection System Actuation Results from Personnel Error During Calibration of Intermediate Range Nuclear Instrumentation

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 NAME	DOCKET NUMBER
09	26	96	96	-- 005 --	00	10	28	96	FACILITY NAME	DOCKET NUMBER
OPERATING MODE (9)		5	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)							
POWER LEVEL (10)		0	20.2201(b)		20.2203(a)(3)(i)		50.73(a)(2)(iii)		73.71(b)	
			20.2203(a)(1)		20.2203(a)(3)(ii)		X 50.73(a)(2)(iv)		73.71(c)	
			20.2203(a)(2)(i)		20.2203(a)(4)		50.73(a)(2)(v)		OTHER	
			20.2203(a)(2)(ii)		50.36(c)(1)		50.73(a)(2)(vii)		(Specify in Abstract below and in Text, NRC Form 366A)	
			20.2203(a)(2)(iii)		50.36(c)(2)		50.73(a)(2)(viii)(A)			
			20.2203(a)(2)(iv)		50.73(a)(2)(i)		50.73(a)(2)(viii)(B)			
			20.2203(a)(2)(v)		50.73(a)(2)(ii)		50.73(a)(2)(x)			

LICENSEE CONTACT FOR THIS LER (12)

NAME

John Allard, Maintenance Superintendent

TELEPHONE NUMBER (Include Area Code)

616/465-5901, x2522

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NHRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NHRDS

SUPPLEMENTAL REPORT EXPECTED (14)

YES	X	NO
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EXPECTED SUBMISSION DATE (15)

MONTH DAY YEAR

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

On September 26, 1996, at 1320 hours, with Unit 1 in Mode 5, Cold Shutdown, a reactor trip signal was received when the high voltage power fuses for one of two Intermediate Range Nuclear Instrumentation (NI) channels were pulled during the performance of a calibration procedure, without the signal being blocked from the Solid State Protection System (SSPS). In accordance with 10CFR50.73(a)(2)(iv), this event is being reported as any event or condition that results in a manual or automatic actuation of any Engineered Safety Feature (ESF), including the Reactor Protection System (RPS).

The cause of the event was personnel error. A section of the procedure containing the step instructing that the RPS signal be blocked had been inappropriately marked as "Not Applicable" (N/A) by the user.

The calibration was terminated immediately after receipt of the RPS signal. A directive has been issued establishing additional controls on the use of "N/A" in procedures. A Task Team has been established to review the current "N/A" policy and implement any necessary changes. A revision was generated to the procedure to place the step for blocking the trip signal at the beginning of the procedure in a section which cannot be marked "N/A".

No equipment changed position and no safety systems actuated, other than the contacts which made up to initiate the RPS trip prior to the event. The reactor trip breakers were tagged and open, and the Control Rod Drive Motor Generator Sets were removed from service. This event was evaluated and found to have no safety significance.

LICENSEE EVENT CONTINUATION

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)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
		YEAR	SEQUENTIAL	REVISION	
Cook Nuclear Plant - Unit 1	50-315	96	-- 005 --	00	2 OF 3

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

Conditions Prior to Event

Unit 1 was in Mode 5, Cold Shutdown.

Description of Event

On September 26, 1996, Unit 1 was in cold shutdown during a one week maintenance outage following a unit trip on September 22, 1996. Instrumentation and Control technicians were assigned to perform a calibration of 1-N-35, Intermediate Range (IR) Nuclear Instrumentation (NI), using approved plant procedure **1 IHP 6030. IMP.130.

At 1320 hours a reactor trip signal was received when the high voltage power fuses for 1-N-35 were pulled during performance of the calibration. The trip signal had not been being blocked from the Solid State Protection System (SSPS) and when the fuses were removed, a Reactor Protection System (RPS) trip was generated. This trip was not expected by the Control Room Operators.

Cause of the Event

The cause of the event was personnel error. The section of the procedure containing the instructions to block the trip signal was inappropriately marked as "Not Applicable" ("N/A") prior to performance of the calibration. The supervisor and the technicians erroneously determined that the section did not contain any steps applicable to the calibration they were about to perform.

Analysis of Event

In accordance with 10CFR50.73(a)(2)(iv), this event is being reported as any event or condition that results in a manual or automatic actuation of any Engineered Safety Feature (ESF), including the Reactor Protection System (RPS).

Review of the available information reveals that the event does not meet the qualification of an exception to the rule, in that the event was not preplanned, and did not occur while the equipment was properly removed from service. If the equipment had been properly removed from service, the trip would have been blocked, as was directed by a previous part of the procedure being used, and the trip would not have occurred. Guidance provided in NUREG-1022 states, in part, "If the system actuates during the planned operation or test in a way this is not part of the planned procedure, such as at the wrong step, that event is reportable".

No equipment changed position and no safety systems actuated, other than the contacts which made up to initiate the RPS trip prior to the event. The reactor trip breakers were tagged and open, and the Control Rod Drive Motor Generator Sets were removed from service.

This event was evaluated and found to have no safety significance and the trip signal generated had no effect on the stability of the plant.

LICENSEE EVENT CONTINUATION

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

Corrective Action

The calibration was terminated immediately after receipt of the RPS signal.

A directive has been issued by the plant management establishing additional controls on the use of "N/A" in procedures. A Task Team has been established to review the current "N/A" policy, and compare it to the industry standard. The review will be completed by November 1, 1996.

Appropriate administrative actions were taken with the individuals involved with the event.

A revision was generated to the procedure to place the step for blocking the trip signal at the beginning of the procedure in a section which cannot be marked "N/A". This placement reflects the current standard for placement of such steps.

Corresponding procedures for other nuclear instrumentation have been placed on "administrative hold" pending completion of comparable revisions.

Failed Component Identification

None

Similar Events

315/95-010-00
316/94-010-00