

CATEGORY 1

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

ACCESSION NBR: 9607300331 DOC. DATE: 96/07/25 NOTARIZED: NO DOCKET #
 FACIL: 50-316 Donald C. Cook Nuclear Power Plant, Unit 2, Indiana M 05000316
 AUTH. NAME AUTHOR AFFILIATION
 GILLESPIE, R. American Electric Power Co., Inc.
 BLIND, A.A. American Electric Power Co., Inc.
 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 96-009-00: on 960509, failed to complete required TS surveillance for inoperable EDG. Caused by personnel error. Counseled personnel involved & revised surveillance procedures re TS 3.8.1.1.W/960725 ltr.

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

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



July 25, 1996

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

Operating Licenses DPR-74
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:

96-009-00

Sincerely,

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

A. A. Blind
Site Vice President

/mbd

Attachment

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

JE221/

9607300331 960725
PDR ADDCK 05000316
S PDR

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 2DOCKET NUMBER (2)
05000 316

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TITLE (4)

Technical Specification Required Surveillance for Inoperable Emergency Diesel Generator Not Completed Due to Personnel Error

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
05	9	96	96	-- 009 --	00	07	25	96	None	
OPERATING MODE (9)		1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more) (11)							
POWER LEVEL (10)		29.5	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)			50.73(a)(2)(iv)	73.71
			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)		X	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
Mr. Robert Gillespie, Operations SuperintendentTELEPHONE NUMBER (Include Area Code)
616/465-5901, x2535

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NPRDS

SUPPLEMENTAL REPORT EXPECTED (14)

YES	X	NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
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ABSTRACT (Limit, to 1400 spaces, i.e., approximately 15 single-spaced typewritten lines) (16)

On May 9, 1996, during routine surveillance testing, the Unit 2 AB Emergency Diesel Generator (EDG) became inoperable when it was paralleled to the grid. With the EDG inoperable, Technical Specification (TS) 3.8.1.1 "Electrical Power Systems, A.C. Sources" required that the circuits between the off-site transmission network and the on-site class 1E distribution system be demonstrated operable within one hour by performing TS surveillance 4.8.1.1.a. Due to personnel error involving a misinterpretation of procedure instructions, the diesel generator was not considered inoperable and the applicable TS requirements were not met.

This event is being reported in accordance with the requirements of 10CFR50.73(a)(2)(i)(B), as a condition prohibited by the plant's Technical Specifications. Corrective actions included training of Operators and enhancement of procedural guidance for the diesel generator surveillances. The event had no adverse physical effect on safety systems or components, and posed no threat to public health and safety.

LICENSEE EVENT CONTINUATION

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FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)
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TEXT (if more space is required, use additional NRC Form 366A's) (17)

Conditions Prior to Occurrence

Mode 1, Power Operation, at 29.5 percent Rated Thermal Power.

Description of Event

On May 9, 1996, the Unit 2 AB Emergency Diesel Generator (EDG) (EIS/EK) was undergoing routine surveillance testing in accordance with the surveillance requirements of Technical Specification 4.8.1.1.2. This testing was performed utilizing procedure **02-OHP 4030.STP.027AB "AB Diesel Generator Operability Test (Train B)".

As part of the surveillance test, the diesel generator is operated under full load for one hour. The full load run is performed by paralleling the diesel generator to an associated class 1E bus. This practice was only recently implemented in response to a Technical Specification amendment.

During the surveillance test, an operator was stationed at the control room diesel generator control panel and was prepared to return the diesel generator to normal status in the event that it was required. Before the Technical Specification amendment, this provision, combined with an independent verification of diesel generator output breaker position following the test, would have allowed the diesel generator to be considered operable during the brief connections to the class 1E bus performed at that time.

Following revision to address the Technical Specification amendment, the surveillance procedure, as used on May 9, stated that the diesel generator must be considered inoperable during its connection to the bus for the newly implemented full load test. The diesel generator, however, was not logged as inoperable in the control room log book, and the Technical Specification action requirement for diesel generator inoperability, verification of offsite power supply operability by confirmation of breaker alignments and indicated power availability, was not met.

The diesel generator surveillance test was completed uneventfully and the diesel generator was returned to standby service. The diesel generator was connected to the T21A bus for a total of one hour and two minutes.

The error was not discovered immediately. The question was raised on May 19, 1996 by a member of the shift crew which performed the May 9 surveillance test. He noticed that during performance of a subsequent diesel generator surveillance test by another shift crew, the diesel generator had been declared inoperable and the Technical Specification required actions had been taken. A condition report was written to investigate the inconsistency.

On July 5, 1996, after review of all available information pertaining to the event, it was determined that the operators performing the surveillance test had misinterpreted the requirements regarding diesel generator operability and that the event represented a condition prohibited by Technical Specifications, reportable under the requirements of 10CFR50.73. A condition report has been written to investigate and address the lack of timeliness with respect to determination of reportability of this event.

LICENSEE EVENT CONTINUATION

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

Cause of the Event

The cause of the event was personnel error. The error involved inadequate procedure adherence. The surveillance procedure being performed cautioned the operators that the diesel generator was to be considered inoperable when paralleled to the bus for the 60 minute load test, however, this was not done. Due to the misinterpretation of procedure provisions for diesel generator operability during momentary connection to a bus, and misinterpretation of an associated Technical Specification Clarification document, the operators failed to consider the diesel generator inoperable during the hour that it was connected to the associated class 1E emergency bus. The actions required by Technical Specifications were not completed.

Analysis of the Event

This event is being reported in accordance with the requirements of 10CFR50.73.(a)(2)(i)(B), as a condition prohibited by the plant's Technical Specifications.

The event consisted of a failure to perform a check of breaker alignment and power availability indications to confirm the operability of the offsite power supplies. The operational activities and physical condition of the diesel generator were no different than during a normal, routine performance of the surveillance test. The results of breaker alignment and power availability surveillances performed before and after May 9, 1996 were reviewed. In conjunction with a review of control room logbook entries, they confirm that during the performance of the AB diesel generator surveillance on May 9, the offsite power supplies to the Unit 2 class 1E distribution system were operable.

This event involves a failure to perform Technical Specification action requirements. As such, it is a regulatory issue. It had no adverse physical effect on safety systems or components, and had no safety significance with respect to the plant or the public.

Corrective Actions

The Unit 2 AB Emergency Diesel Generator was restored to an operable condition when the one hour full load test was completed.

Appropriate administrative actions were taken with the Operator whose error resulted in the failure to meet the Technical Specification requirements.

Training was conducted for all Operations shifts to clarify and reinforce the requirement for the diesel generator to be declared inoperable when paralleled to the grid for extended periods, including the surveillance one hour full load run.

The surveillance procedures, including fast and slow start data sheets, for both diesel generators in both units were revised to include direction to complete, via the appropriate procedures, the action requirements of TS 3.8.1.1 for diesel generator inoperability.

LICENSEE EVENT CONTINUATION

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

Failed Component Identification

None

Previous Similar Events

315/91-002-00

