

REGULATORY INFORMATION DISTRIBUTION SYSTEM (RIDS)

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 FACIL: 50-315 Donald C. Cook Nuclear Power Plant, Unit 1, Indiana & 05000315
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 RECIP. NAME RECIPIENT AFFILIATION

SUBJECT: LER 87-007-00: on 870520, turbine room sump effluent discharge flow sensor & recorder, DFR-700, removed from svc for routine calibr, compositer remained inoperable overnight. Caused by personnel error. Sign posted to alert personnel. W/870619 ltr.

DISTRIBUTION CODE: IE22D COPIES RECEIVED: LTR 1 ENCL 1 SIZE: 4
 TITLE: 50.73 Licensee Event Report (LER), Incident Rpt, etc.

NOTES:

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	PD3-3 LA	1 1		PD3-3 PD	1 1
	WIGGINGTON, D	1 1			
INTERNAL:	ACRS MICHELSON	1 1		ACRS MOELLER	2 2
	AEOD/DOA	1 1		AEOD/DSP/ROAB	2 2
	AEOD/DSP/TPAB	1 1		DEDRO	1 1
	NRR/DEST/ADE	1 0		NRR/DEST/ADS	1 0
	NRR/DEST/CEB	1 1		NRR/DEST/ELB	1 1
	NRR/DEST/ICSB	1 1		NRR/DEST/MEB	1 1
	NRR/DEST/MTB	1 1		NRR/DEST/PSB	1 1
	NRR/DEST/RSE	1 1		NRR/DEST/SGB	1 1
	NRR/DLPQ/HFB	1 1		NRR/DLPQ/QAB	1 1
	NRR/DOEA/EAB	1 1		NRR/DREP/RAB	1 1
	NRR/DREP/RPB	2 2		NRR/PMAS/ILRB	1 1
	NRR/PMAS/PTSB	1 1		REG FILE 02	1 1
	RES DEPY GI	1 1		RGNS FILE 01	1 1
EXTERNAL:	EG&G GROH, M	5 5		H ST LOBBY WARD	1 1
	LPDR	1 1		NRC PDR	1 1
	NSIC HARRIS, J	1 1		NSIC MAYS, G	1 1

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 7	— 0 0 7	— 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 One - Mode 1 (power operation) - 79 percent reactor thermal power.

Unit Two - Mode 1 (power operation) - 80 percent reactor thermal power.

Description of Event

On May 20, 1987 at 1520 hours, the Instrumentation and Control (I&C) Section was calibrating the Turbine Room Sump effluent discharge flow recorder (EIIS/FR) for routine preventive maintenance. For this work, the flow sensor is disconnected from the recorder and test equipment is connected to supply a standardized simulated input. The calibration was not completed by the end of the shift and the test equipment was left connected and turned off. This action resulted in making the automatic sample compositor (EIIS/ASV) inoperable due to the simulated no-flow signal being applied.

The Chemical Section performs four-hour checks on the compositor receiver to verify automatic operation of the compositor. Due to abnormal work on the Turbine Room Sump causing very intermittent discharge flow, little increase in sample collection was expected. The compositor actuation was verified manually each time, but the automatic signal was not known to be inoperable.

However, by 0730 hours on May 21, 1987 when no increase in sample was noted, manual sampling was begun due to suspected failure of the automatic sampling. By 1045 hours, the failure was confirmed by direct observation of flow from the sump with no automatic sample being taken by the compositor.

There were no inoperative structures, components or systems at the start of the event that contributed to the missed surveillance.

Cause of Event

The cause of the event was the failure to recognize that the recorder supplies a signal input to the compositor, and to make contingency plans for removing the compositor from service. As the recorder's effect was learned during the calibration, the fact that the compositor being required by Technical Specification was not identified through job order evaluation (prior to job performance).

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Analysis of Event

The compositor was inoperable approximately 23.5 hours. Sampling and analysis of the effluent flow was not performed for approximately 16 hours. This incident is considered as a missed surveillance and reportable under 10CFR50.73 due to the fact that eight-hour alternate analysis was not performed as required by the action statement of Technical Specification 3.3.3.9.

As the Turbine Room Sump sample compositor is the last point monitored for radioactive discharge, the related front line radiation monitors were reviewed for that time period and found to be operable. The daily sample requirement of the NPDES permit was determined to be met. A special report was required to estimate flow for the time the recorder was being calibrated, which was submitted.

Corrective Actions

When the Chemical Section notified I&C of the problem with the compositor, steps were taken to restore the recorder. The compositor was declared operable at 1500 hours on May 21, 1987.

To prevent recurrence, the I&C supervisors and job order evaluation group have been informed of the findings in this system. Also, a sign has been added to the recorder informing personnel of its input to the Technical Specification required compositor.

Failed Component Identification

None.

Previous Similar Events

None.



INDIANA & MICHIGAN ELECTRIC COMPANY

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June 19, 1987

United States Nuclear Regulatory Commission
Document Control Desk
Washington, D.C. 20555

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:

87-007-0

Sincerely,

W. G. Smith, Jr.
Plant Manager

/afh

Attachment

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11