NRC Form 366
(9-83)

U.S. NUCLEAR REGULATORY COMMISSION
APPROVED OMB NO. 3150-0104
EXPIRES: 8/31/85

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1)	DOCKET NUMBER (2)	PAGE (3)
JAMES A. FITZPATRICK NUCLEAR POWER PLANT	0 5 0 0 0 3 3 3	1 OF 0 3

TITLE (4)
4KV Emergency Bus Undervoltage Relay Out-Of-Tolerance

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 6	2 1	8 4	8 4	0 1 6	0 0	0 8	1 5	8 4		0 5 0 0 0
										0 5 0 0 0

OPERATING MODE (9)	N	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §: (Check one or more of the following) (11)			
POWER LEVEL (10)	1 0 0	20.402(b)	20.405(c)	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)	X 50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
		20.405(a)(1)(iii)	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)(x)	

LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Hartford N. Keith	AREA CODE 3 1 5 — 3 4 2 - 3 8 4 0

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	
X	E K	2 7	G 0 8 0	Y							

SUPPLEMENTAL REPORT EXPECTED (14)

		EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR
YES (If yes, complete EXPECTED SUBMISSION DATE)	X NO				

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

During normal plant operations on June 21, 1984, both 4KV Emergency Bus Undervoltage Relays on the 10500 Bus (Division I) were found outside of the required Technical Specification tolerance. As Found values of the relay setpoint were 76 and 77 volts compared to an allowed Technical Specification table 3.2-2 tolerance of 85- +/- 4.25 volts.

The relays were immediately adjusted to within procedural tolerance. However, due to an administrative error it was not discovered that the June 21, 1984 relay setpoint data had been outside of the Technical Specification tolerance until July 27, 1984. A critique of the event indicates that the procedure format may have contributed to the administrative error.

Corrective Actions are:

1) The procedure will be placed in a new format that highlights Technical Specification requirements prior to the next performance of the surveillance.

2) Safety related surveillance data will be routed through one individual for review.

3) The undervoltage relays of concern have been placed on increased surveillance to trend possible setpoint drift.

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

During normal plant operations on June 21, 1984, both 4KV Emergency Bus Undervoltage Relays on the 10500 bus (Division I) were found outside of the required Operating Technical Specification tolerance of 85 +/- 4.25 volts (Table 3.2-2). The As Found values were 76 volts for 71-500-27AB-1 and 77 volts for 71-500-27BC-1 which represents a 5.6 percent and 4.5 percent reduction in the voltage level to initiate the start of A and C Emergency Diesel Generators.

The data was reviewed by supervisory personnel on the following day. During this review it was noted that the relays had been immediately adjusted to within the procedural tolerance. However the supervisor did not recognize that the "As Found" data had exceed the Technical Specification tolerance.

On July 26, 1984 the same surveillance was initiated on the 10600 bus (Division II) undervoltage relays. These relays were found well within procedural (and Technical Specification) tolerance. On the following day during review of the data (by the same supervisor that performed the June 22, 1984 review of the 10500 bus data) the supervisor returned to the filed data for the 10500 bus to compare certain data. During the comparison of the data the supervisor discovered the earlier error and initiated proper documentation and reporting.

A Critique of the event was held and the following observations were noted:

1) The procedural out-of-tolerance values had been recognized during the performance of the surveillance. The relays had been adjusted within the required tolerances.

2) The procedure (F-ISP-90) data sheets had been mixed in with non-safety related data sheets which may have resulted in the administrative error in which the supervisor did not recognize that the Technical Specification tolerance had been exceeded.

3) A newer procedure format assists the reviewer in recognizing Technical Specification requirements. F-ISP-90 has not yet been revised.

4) As noted above, the oversight was discovered by a later review and an Occurrence Report was generated in a timely manner.

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

The bus undervoltage relays monitor the normal 4KV AC power supply and initiate a two and a half (2.5) second timer which initiates the Emergency Diesel Generator Start circuit and separates the normal and emergency AC power systems. Each bus (10500 and 10600) is monitored by two (2) undervoltage devices whose contacts are placed in series in the timer circuit. The out-of-tolerance undervoltage relays could have caused a slight delay in initiating an Emergency Diesel Generator start during a sustained undervoltage condition.

Corrective actions are:

1) F-ISP-90 will be revised to the new format prior to its next performance and the re-formatting of other procedures to highlight Technical Specification requirements will continue.

2) Routing of Safety-related surveillance procedures to one individual (the Surveillance Coordinator) for review.

3) Undervoltage relays 71-500-27AB-1 and 71-500-27BC-1 have been placed on increased surveillance to trend possible continued drifting of setpoint.

James A. FitzPatrick
Nuclear Power Plant
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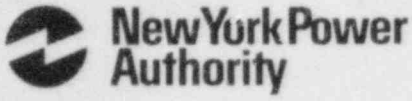
Lycoming, New York 13093
315 342-3840



Corbin A. McNeill, Jr.
Resident Manager

August 15, 1984
JAFP-84-0792

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

REFERENCE: DOCKET NO. 50-333
LICENSEE EVENT REPORT: 84-016-00

Dear Sir:

We have enclosed the referenced Licensee Event Report in accordance with 10CFR50.73.

If there are any questions concerning this report, please contact Mr. Hartford N. Keith at (315) 342-3840, Extension 230.

Very truly yours,

R. Lucas by Direction

CORBIN A. McNEILL, JR.
RESIDENT MANAGER

CAM/HNK/jmk
Enclosure

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