

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) EDWIN I. HATCH, UNIT 2	DOCKET NUMBER (2) 0 5 0 0 0 3 6 6	PAGE (3) 1 OF 0 2
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TITLE (4)
Failure Of Diesel Generators' Emergency Bus Loading Timers

EVENT DATE (5)			LER NUMBER (8)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (8)		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)
0 8	1 1	8 4	8 4	0 2 3	0 0	0 8	0 7	8 4			0 5 0 0 0

OPERATING MODE (9) 5	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR 5: (Check one or more of the following) (11)							
POWER LEVEL (10) 0 0 0	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(e)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)				
	<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 50.38(c)(1)	<input checked="" type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)				
	<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 50.38(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)				
	<input type="checkbox"/> 20.406(a)(1)(iii)	<input type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)					
	<input type="checkbox"/> 20.406(a)(1)(iv)	<input type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)					
<input type="checkbox"/> 20.406(a)(1)(v)	<input type="checkbox"/> 50.73(a)(2)(iii)	<input type="checkbox"/> 50.73(a)(2)(ix)						

LICENSEE CONTACT FOR THIS LER (12)

NAME T. L. Elton, Acting Superintendent of Regulatory Compliance	TELEPHONE NUMBER
	AREA CODE: 9 1 2 NUMBER: 3 6 7 1 7 8 5 1

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

CAUSE	SYSTEM	COMPONENT	MANUFAC. TURER	REPORTABLE TO NPRDS	CAUSE	SYSTEM	COMPONENT	MANUFAC. TURER	REPORTABLE TO NPRDS
X	EIK	TIMER	EIO	2 0	Y				

SUPPLEMENTAL REPORT EXPECTED (14)

YES (If yes, complete EXPECTED SUBMISSION DATE) | NO

EXPECTED SUBMISSION DATE (15)

MONTH	DAY	YEAR

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

On 08/01/84, plant personnel determined that the LOCA (loss of coolant accident) loading timers' reset clutch coils for "2F" emergency bus were burned out. On 08/11/84, plant personnel determined that the LOCA loading timers' reset clutch coils for "2E" emergency busses were also burned out. These events are reportable per 10CFR 50.73 (a)(2)(v)(A) because they affect a system which is designed to support shutting down the reactor and maintaining it in a safe condition.

The LOCA loading timers' coils for the "2F" and "2E" busses were replaced and the LOCA timers were satisfactorily functionally tested per a specially written functional test and returned to service on 08/13/84 and 08/14/84, respectively.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
		8 4	0 2 3	0 0	0 2	OF 0 2

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

On 08/01/84 and 08/11/84, Unit 2 was in cold shutdown for the recirculation pipe replacement outage.

On 08/01/84, during a cable walkdown, plant personnel noted that the LOCA (loss of coolant accident) loading timers' (2R43-N781B) reset clutch coils for the "2F" emergency bus were burned out. Bus "2F" is powered by the "1B" diesel generator during a LOSP (loss of off site power). On 08/09/84, this event was initially reviewed by the PRB (plant review board) and was determined as being non-reportable due to its not meeting any reporting criteria of 10CFR 50.73. At the time of the initial review by the PRB, the LOCA loading timer for the "2F" emergency bus was the only known failure.

On 08/11/84, during a pre-logic system functional test walkdown, plant personnel determined that the LOCA loading timers' (2R43-N781A and 2R43-N781C) reset clutch coils for emergency busses "2E" and "2G", respectively, were also burned out. Busses "2E" and "2G" are powered by diesel generators "2A" and "2C", respectively, during a LOSP.

On 08/30/84, during the initial review of the second event, PRB acknowledged that with the timers inoperable the plant loses capability to automatically unload 600 volt non-essential equipment and loses capability to automatically initiate plant service water. The time for reportability began on 08/11/84 because the event on 08/01/84 is not reportable by itself. But the event of 08/11/84 coupled with the 08/01/84 event is reportable. Thus, both the first and second event were deemed as being reportable per 10CFR 50.73 (a)(2)(v)(A).

These events had no impact on any other Unit 2 system or on Unit 1. The health and safety of the public were not affected by these non-repetitive events. No actual or potential safety consequences or implications resulted from these events.

The cause of these failures is not known.

The coils for 2R43-N781B were replaced, functionally tested satisfactorily, and returned to service on 08/13/84. The coils for 2R43-N781A and 2R43-N781C were replaced, functionally tested satisfactorily, and returned to service on 08/14/84.

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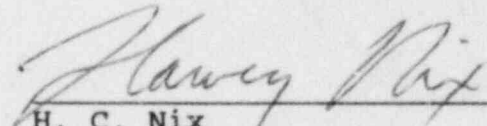
Edwin I. Hatch Nuclear Plant

September 7, 1984
GM-84-786

PLANT E. I. HATCH
Licensee Event Report
Docket No. 50-366

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

Attached is Licensee Event Report No. 50-366/1984-023. This report is required by 10CFR 50.73(a)(2)(v).


H. C. Nix
General Manager

HCN/TLE/vlz

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