

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) EDWIN I. HATCH, UNIT I	DOCKET NUMBER (2) 0 5 0 0 0 3 2 1	PAGE (3) 1 OF 0 2
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TITLE (4)
HPCI Automatically Injected Into Reactor

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 7	2 9	8 4	8 4	0 1 3	0 0	0 8	2 2	8 4			0 5 0 0 0																																		
<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <td style="width:15%;">OPERATING MODE (9) 1</td> <td colspan="10">THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. (Check one or more of the following) (11)</td> </tr> <tr> <td rowspan="5">POWER LEVEL (10) 0 9 1 6</td> <td><input type="checkbox"/> 20.402(b)</td> <td><input type="checkbox"/> 20.406(c)</td> <td><input checked="" type="checkbox"/> 50.73(a)(2)(iv)</td> <td><input type="checkbox"/> 73.71(b)</td> </tr> <tr> <td><input type="checkbox"/> 20.406(a)(1)(i)</td> <td><input type="checkbox"/> 50.36(c)(1)</td> <td><input type="checkbox"/> 50.73(a)(2)(v)</td> <td><input type="checkbox"/> 73.71(c)</td> </tr> <tr> <td><input type="checkbox"/> 20.406(a)(1)(ii)</td> <td><input type="checkbox"/> 50.36(c)(2)</td> <td><input type="checkbox"/> 50.73(a)(2)(vii)</td> <td rowspan="3">OTHER (Specify in Abstract below and in Text, NRC Form 365A)</td> </tr> <tr> <td><input type="checkbox"/> 20.406(a)(1)(iii)</td> <td><input type="checkbox"/> 50.73(a)(2)(i)</td> <td><input type="checkbox"/> 50.73(a)(2)(viii)(A)</td> </tr> <tr> <td><input type="checkbox"/> 20.406(a)(1)(iv)</td> <td><input type="checkbox"/> 50.73(a)(2)(ii)</td> <td><input type="checkbox"/> 50.73(a)(2)(viii)(B)</td> </tr> <tr> <td><input type="checkbox"/> 20.406(a)(1)(v)</td> <td><input type="checkbox"/> 50.73(a)(2)(iii)</td> <td><input type="checkbox"/> 50.73(a)(2)(ix)</td> <td></td> </tr> </table>												OPERATING MODE (9) 1	THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR §. (Check one or more of the following) (11)										POWER LEVEL (10) 0 9 1 6	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(c)	<input checked="" type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)	<input type="checkbox"/> 20.406(a)(1)(i)	<input type="checkbox"/> 50.36(c)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(c)	<input type="checkbox"/> 20.406(a)(1)(ii)	<input type="checkbox"/> 50.36(c)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 365A)	<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)	
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LICENSEE CONTACT FOR THIS LER (12)

NAME	TELEPHONE NUMBER
Thomas L. Elton, Acting Superintendent of Regulatory Compliance	9 1 2 3 1 6 7 + 1 7 8 1 5 1 1

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)

<input type="checkbox"/> YES (If yes, complete EXPECTED SUBMISSION DATE)	<input checked="" type="checkbox"/> NO	EXPECTED SUBMISSION DATE (15)	MONTH	DAY	YEAR

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

On 7/29/84, during performance of the "REACTOR WATER LEVEL INSTRUMENT (LPCI) FT&C" procedure HNP-1-3154, personnel tested the reactor low water level instrument B21-N031D which energized E41-K53. Once energized, E41-K53 completed one half of the logic for "HPCI AUTOMATIC INJECTION LOGIC", but HPCI auto started and injected into the reactor when it was not supposed to.

The cause of this event was a short circuit existing across one half of the logic for the HPCI automatic injection logic during the time that B21-N031D was being tested for the other half. A short circuit was discovered between pin A and pin B inside of HPCI Test Jack E41-J1. When HPCI auto-started and injected, personnel tripped HPCI and returned it to standby. HPCI test jack E41-J1 was inspected, cleaned, and satisfactorily returned to service.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)	DOCKET NUMBER (2)	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
EDWIN I. HATCH, UNIT 1	0500032184	01	3	0	0	2 OF 2

TEXT: If more space is required, use additional NRC Form 368A's (17)

This 30 day report is required by 10CFR 50.73(a)(2)(iv) due to this event resulting in the unplanned automatic actuation of an Engineered Safety Feature (ESF)(i.e., HPCI).

On 7/29/84, Unit 1 was in steady state operation at 2335 MWT (approximately 96% power) when HPCI automatically injected into the reactor vessel. Personnel were testing reactor low water level instrument B21-N031D which energized E41-K53. Once energized, E41-K53 completed one half of the logic for "HPCI AUTOMATIC INJECTION LOGIC" per HNP-1-3154, but HPCI auto started and injected into the reactor when it was not supposed to.

Prior to testing B21-N031D, plant personnel had tested B21-N031C (energized the same logic as B21-N031D), but this did not auto-start HPCI. Investigation revealed that a short circuit existed across the other half of the logic necessary to HPCI to auto start and inject when B21-N031D was tested (the test completes only half of the logic). Subsequent investigation determined that the short circuit in the half of the logic was due to a momentary short circuit between pin A and pin B of HPCI test jack E41-J1.

When HPCI auto-started and injected, personnel tripped HPCI and returned it to standby. HPCI test jack E41-J1 was inspected, cleaned, and satisfactorily returned to service.

Georgia Power Company
Post Office Box 439
Baxley, Georgia 31513
Telephone 912 367-7781
912 537-9444



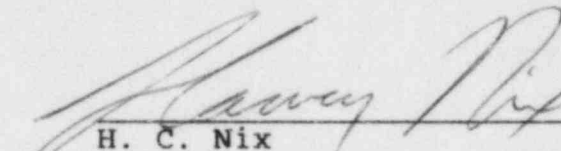
Edwin I. Hatch Nuclear Plant

August 22, 1984
GM-84-717

PLANT E. I. HATCH
Licensee Event Report
Docket No. 50-321

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

Attached is Licensee Event Report No. 50-321/1984-013. This report is required by 10CFR 50.73(a)(2)(iv).


H. C. Nix
General Manager

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HCN/TLE/vlt

xc: R. J. Kelly
R. E. Conway
J. T. Beckham, Jr.
P. D. Rice
K. M. Gillespie
Superintendent of Regulatory Compliance
R. D. Baker
Control Room
Document Control

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