

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) <b>EDWIN I. HATCH, UNIT 1</b>	DOCKET NUMBER (2) <b>0 5 0 0 0 3 2 1</b>	PAGE (3) <b>1 OF 0 2</b>
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TITLE (4)  
**Cable Separation, Unlanded Cables, and Open Links**

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	0	8	4	8	4		<b>E. I. HATCH, UNIT 2</b>			<b>0 5 0 0 0 3 6 6</b>
0	7	2	0	8	4	8	4					<b>0 5 0 0 0</b>

THIS REPORT IS SUBMITTED PURSUANT TO THE REQUIREMENTS OF 10 CFR § (Check one or more of the following) (11)

OPERATING MODE (9) <b>1</b>	<input type="checkbox"/> 20.402(b)	<input type="checkbox"/> 20.406(c)	<input type="checkbox"/> 50.73(a)(2)(iv)	<input type="checkbox"/> 73.71(b)
	<input type="checkbox"/> 20.405(a)(1)(i)	<input type="checkbox"/> 50.38(e)(1)	<input type="checkbox"/> 50.73(a)(2)(v)	<input type="checkbox"/> 73.71(e)
	<input type="checkbox"/> 20.405(a)(1)(ii)	<input type="checkbox"/> 50.38(e)(2)	<input type="checkbox"/> 50.73(a)(2)(vii)	OTHER (Specify in Abstract below and in Text, NRC Form 366A)
	<input type="checkbox"/> 20.405(a)(1)(iii)	<input type="checkbox"/> 50.73(a)(2)(i)	<input type="checkbox"/> 50.73(a)(2)(viii)(A)	
	<input type="checkbox"/> 20.405(a)(1)(iv)	<input checked="" type="checkbox"/> 50.73(a)(2)(ii)	<input type="checkbox"/> 50.73(a)(2)(viii)(B)	
<input type="checkbox"/> 20.405(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	TELEPHONE NUMBER
<b>Thomas L. Elton, Acting Superintendent of Regulatory Compliance</b>	<b>9 1 2 3 6 7 + 7 8 5 1</b>
AREA CODE	

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 Friday, June 29, 1984, following a concern that maintenance personnel working in Unit 2 Control Room panels had been shocked by cable ends which were not terminated or properly identified, a preliminary review by personnel indicated that numerous cable leads were lifted and not properly tagged in the Unit 2 Control Room. Also, improper cable separation problems were noted. From the concern on 6/29/84 the initial deficiency on this event was written on 7/2/84 and did not indicate a reportable occurrence, however, the deficiency written after further investigation on 7/20/84 did indicate a reportable occurrence.

The cause of this event was personnel error and inadequate administrative controls (i.e., inadequate spared wire instructions and unclear Design Change Request instructions). Work was stopped in Unit 1 and Unit 2 control room panels to reestablish and upgrade administrative controls. Procedures were reviewed to make necessary revisions. Personnel were retrained on procedure revisions. Also, prior to working in control room panels, plant personnel review DCR packages to determine if clarification on installation instructions for routing cables, termination, and separation requirements is necessary.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1)  EDWIN I. HATCH, UNIT 1	DOCKET NUMBER (2)  0 5 0 0 0 3 2 1 8 4	LER NUMBER (6)			PAGE (3)		
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER			
		— 0 0 5	— 0 0 0	0 2	OF	0	2

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

This 30 day report is required by 10CFR 50.73(a)(2)(ii) due to this event placing the plant into a potentially unanalyzed condition which could have been undetected by administrative procedures prior to returning Unit 2 to an operable status.

On 06/29/84 Unit 1 was in steady state operation at 2421 MWT (approximately 99% power) and Unit 2 was in a recirculation pipe replacement outage preparing for fuel load.

On Friday, June 29, 1984, following a concern that maintenance personnel working in Unit 2 Control Room panels had been shocked by cable ends which were not terminated or properly identified, a preliminary review by personnel indicated that numerous cable leads were lifted and not properly tagged in the Unit 2 Control Room. Also, improper cable separation problems were noted. Further investigation revealed that some cable separation problems in control room panels involved cables pulled for Analog Transmitter Trip System (ATTS) installation made this outage. Also, some of the cables and internal panel wires not terminated or properly identified resulted from Design Change Requests implemented this outage. From the concern on 6/29/84 the initial deficiency on this event was written on 7/2/84 and did not indicate a reportable occurrence, however, the deficiency written after further investigation on 7/20/84 did indicate a reportable occurrence.

Investigation revealed that errors in unterminated cables and internal panel wires, along with the cable separation problems were due to personnel error in removing and installing cables per inadequate administrative controls (i.e., inadequate spared wire instructions and unclear Design Change Request instructions).

The "CABLE & CABLE WAYS INSTALLATION" procedure (HNP-6921) has been revised to strengthen administrative control (i.e., such as clear and specific cable separation instructions and spared wire instructions, along with stronger Quality Controls). Also, personnel (both GPC & Contractor) are being retrained on the requirements of the "Lifted Wire & Temporary Jumper Control" procedure (HNP-504) and HNP-6921. Prior to being worked in control room panels, plant personnel are reviewing DCR packages to determine if clarification on installation instructions for routing cables, termination, and separation requirements is necessary.

Possible potentially unanalyzed cable/wire terminations and cable separation problems identified during Unit 1's refueling outage (9/30/84) were corrected before Unit 1's return (1/8/84) to operable status.

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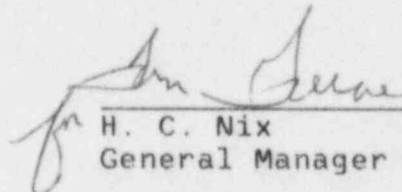
Edwin I. Hatch Nuclear Plant

January 15, 1985  
GM-85-017

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. 50-321/1984-005, Rev. 1. This report is required by 10CFR 50.73(a)(2)(ii).

  
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H. C. Nix  
General Manager

*sc*  
HCN/TLE/vlt

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