

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)
Main Power Transformer Output Line Fell And Unit Scrammed

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 5 0 0 0
0 1 3	0 8 5	8 5		0 0 6	0 0	0 2 2	6 8 5				0 5 0 0 0

OPERATING MODE (9) **1**

POWER LEVEL (10) **0 4 7**

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

<input type="checkbox"/> 20.402(b)	<input checked="" 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 356A)
<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
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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)

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 01/30/85 and again on 02/02/85, the Unit's South main transformer number three phase main generator output line fell to the ground. This caused the main generator to trip, and subsequently scrambled the reactor in both events.

After an investigation it was determined that the output power line was held with ten thousand pound tensile strength insulators instead of the thirty thousand pound tensile strength insulators that were required by design data. This event is the result of construction personnel error. After the second event (on 02/02/85) new thirty thousand pound tensile strength insulators were installed on each end of the three main generator output lines.

In both events a group II primary containment isolation (PCI) signal occurred, and all group II PCI valves closed as required. These events are reportable per 10CFR50.73(a)(2)(iv), because an unplanned actuation of an engineered safety feature (ESF), including the reactor protection system (RPS), occurred.

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PDR ADJCK 05000321
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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

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

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

This 30 day LER is required by 10CFR50.73(a)(2)(iv) because these events show that unplanned automatic actuations of engineered safety features occurred.

On 01/30/85 at approximately 1928 CST, with the Unit operating at 1149 MWT (approximately 47% power), the Unit's South main transformer number three phase output line separated from its disconnect in the 230KV switchyard and fell to the ground. This caused the main generator's differential voltage relay to trip the main generator and closed the main turbine's stop valves; thus tripping the main turbine. Subsequently, the reactor protection system (RPS) sensed the main turbine stop valve closure and initiated a reactor scram.

On 02/02/85 at approximately 0418 CST, with the Unit operating at 1826 MWT (approximately 75% power), the Unit's South main transformer number three phase output line separated from its insulator on the outside west wall of the turbine building and fell to the ground. This caused the main generator's differential voltage relay to trip the main generator and close the main turbine's stop valves; thus tripping the main turbine. Subsequently, the reactor protection system (RPS) sensed the main turbine stop valve closure and initiated a reactor scram.

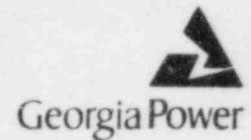
These events are the results of construction personnel error in that ten thousand pound tensile strength insulators were installed where thirty thousand pound tensile strength insulators were required per design. Additionally, colder-than-usual weather was a factor in insulator breakage due to power line contraction.

Since the event of 02/02/85, the existing ten thousand pound tensile strength insulators have been changed out with two rows of thirty thousand pound tensile strength insulators on each end of the three main generator output lines. Additionally new thirty thousand pound tensile strength insulators were installed at mid-span of each of the three phase lines to replace the existing ten thousand pound tensile strength insulators.

In both events (01/30/85 and 02/02/85) a group II Primary Containment Isolation (PCI) signal occurred, and all group II PCI valves closed as required. These events are reportable per 10CFR50.73(A)(2)(iv) because the unplanned actuation of an engineered safety feature (ESF), including the reactor protection system (RPS), occurred.

These events had no actual or potential safety consequences, nor was the health and safety of the public affected by this non-repetitive LER.

Georgia Power Company
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Telephone 912 367-7781
912 537-9444



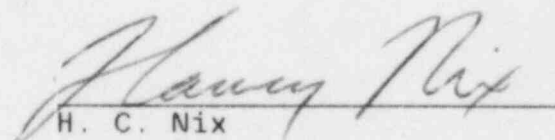
Edwin I. Hatch Nuclear Plant

February 26, 1985
GM-85-171

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. 50-321/1985-006. This report is required by 10CFR 50.73(a)(2)(iv).


H. C. Nix
General Manager

JLL
HCN/TLE/vlz

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