

LICENSEE EVENT REPORT (LER)

FACILITY NAME (1) EDWIN I. HATCH, UNIT II	DOCKET NUMBER (2) 0 5 0 0 0 3 6 6	PAGE (3) 1 OF 0 2
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TITLE (4)
RWCU Isolation From ATTS Trip Unit

EVENT DATE (5)			LER NUMBER (8)			REPORT DATE (7)			OTHER FACILITIES INVOLVED (6)																																																																																																		
MONTH	DAY	YEAR	YEAR	SEQUENTIAL NUMBER	REVISION NUMBER	MONTH	DAY	YEAR	FACILITY NAMES		DOCKET NUMBER(S)																																																																																																
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LICENSEE CONTACT FOR THIS LER (12)

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

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

CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRRDS	CAUSE	SYSTEM	COMPONENT	MANUFACTURER	REPORTABLE TO NRRDS
X	C E	T I T G 0 8 0		Y					
X	C E	T I T G 0 8 0		Y					

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

On 09/24/84, plant operating personnel noted four (4) separate events where the failure of two ATTS master trip units caused the closing of the outboard Reactor Water Cleanup system (RWCU) primary containment Isolation valve (2G31-F004). Consequently, RWCU pump 2G31-C001A tripped on high differential pressure.

Investigation revealed that the failure of master trip units 2G31-N661H and 2G31-N661M (they reset automatically) was the cause of these events. Plant technicians were not able to determine why the master trip units failed. However, new master trip units were installed, and the RWCU system was satisfactorily functionally tested and returned to service on 09/25/84.

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LICENSEE EVENT REPORT (LER) TEXT CONTINUATION

FACILITY NAME (1) EDWIN I. HATCH, UNIT II	DOCKET NUMBER (2) 0 5 0 0 0 3 6 6 8 4	LER NUMBER (6)			PAGE (3)	
		YEAR	SEQUENTIAL NUMBER	REVISION NUMBER		
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TEXT (if more space is required, use additional NRC Form 368A's) (17)

This 30 day LER is required by 10CFR50.73 (a)(2)(iv) because these events show that an unplanned actuation of an engineered safety feature (ESF) (i.e., the closing of the outboard Reactor Water Cleanup system outboard primary containment isolation valve) occurred.

On 09/24/84, plant personnel determined that:

- a. At approximately 1757 CDT, with the plant operating at 1397 MWT (approximately 57% power), the outboard Reactor Water Cleanup system (RWCU) primary containment isolation valve (2G31-F004) closed and RWCU pump 2G31-C001A tripped.
- b. At approximately 1823 CDT, with the plant operating at 1628 MWT (approximately 67% power), valve 2G31-F004 closed, and RWCU pump 2G31-C001A tripped.
- c. At approximately 1948 CDT, with the plant operating at 1628 MWT (approximately 67% power), valve 2G31-F004 closed, and RWCU pump 2G31-C001A tripped.
- d. At approximately 2220 CDT, with the plant operating at 2020 MWT (approximately 83% power), RWCU isolation valve 2G31-F004 closed and RWCU pump 2G31-C001A tripped.

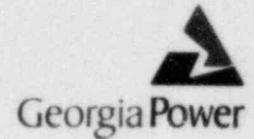
These events are the results of component failures as detailed below:

- a. The first closing of the valve (event "a" above) was due to a failure of master trip unit 2G31-N661H. This master trip unit is a resistance temperature detector (RTD), which responds to a temperature increase inside the RWCU pump (2G31-C001A) room. It indicated 100 degrees F with a gross failure trip light illuminated. This RTD condition caused valve 2G31-F004 to isolate, which consequently caused RWCU pump 2G31-C001A to trip on high differential pressure.
- b. In each of events "b", "c", and "d", RTD master trip unit 2G31-N661M temperature indicator was indicating a full scale low reading, and an illuminated gross failure trip light.

Plant technicians investigated the failure of the trip units; however, they could not determine the cause for their failure. The failed master trip units (2G31-N661H and 2G31-N661M) were replaced with new master trip units after they were calibrated per the "GE ANALOG MASTER TRIP UNIT MODELS 184C5988-G100, G200, G400, G600" procedure (HNP-2-5382).

The RWCU system was then satisfactorily functionally tested per the "REACTOR WATER CLEANUP SYSTEM" procedure (HNP-2-1324) and Standing Order number 84-24, "ATTS INSTRUMENT CHANNEL CHECK", and returned to service on 09/25/84 at approximately 2330 CDT.

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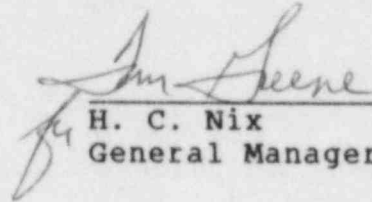
Edwin I. Hatch Nuclear Plant

October 12, 1984
GM-84-883

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. 50-366/1984-019. This report is required by 10CFR 50.73(a)(2)(iv).


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General Manager

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