

## (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP. SUBCODE		VALVE SUBCODE					
S	A	B		A		V	A	L	V	E	X	C	B				
9	10	11	12	12	13	13	14	15	16	17	18	19	20				
EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE		REPORT TYPE		REVISION NO.									
8	3	—	0	9	1	—	0	1	T	—	0						
21	22	23	24	25	26	27	28	29	30	31	32						
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER	
C	F	Z	Z	0	0	0	0	Y		N	A	G	2	0	2		
33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48		

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 5		G		0 0 0			NA		A		Personal Observation	
(28)		(29)			(30)		(31)		(32)			

PERSONNEL EXPOSURES

NUMBER			TYPE	DESCRIPTION
1	7	0 0 0	(37) Z	(38) NA

8 9 11 12  
LOSS OF OR DAMAGE TO FACILITY (43)  
TYPE DESCRIPTION  
1 9 Z (42) NA  
8309190362 830909  
PDR ADDCK 05000224

7 8 9 10  
PUBLICITY  
ISSUED DESCRIPTION (45)  
2 0 N (44) NA  
S NDC 05000321  
PDR  
NRC USE ONLY

PHONE: (912) 367-7851

NARRATIVE REPORT  
FOR LER 50-321/1983-091

LICENSEE : GEORGIA POWER COMPANY  
FACILITY NAME : EDWIN I. HATCH  
DOCKET NUMBER : 50-321

Tech. Specs. section(s) which requires report:

This 14-day report is required by Tech. Specs. section 6.9.1.8.e due to the event.

Plant conditions at the time of the event(s):

On August 27, 1983, the unit was in cold shutdown.

Detailed description of the event(s):

During maintenance activities in the drywell, it was determined that a safety relief valve discharge line vacuum breaker (1B21-F037D) was stuck partially open. This initial inspection revealed no other stuck open vacuum breakers; however, after a manual functional test, 9 other safety relief valve discharge line vacuum breaker's (1B21-F037 A, B, F, H, J, K, L, and 1B21-F110 A, C) failed to seat properly.

Consequences of the event(s):

Plant conditions were not affected by this event. The health and safety of the public were not affected by this event.

Status of redundant or backup subsystems and/or systems:

There are no redundant systems.

Justification for continued operation:

The affected vacuum breakers were replaced prior to startup.

If repetitive, number of previous LER:

This is a non-repetitive event.

Impact to other systems and/or Unit:

The vacuum breakers are also installed on Unit 2.

Cause(s) of the event(s):

The cause of this event was due to an inadequate design of the vacuum breakers' hinge pin. An investigation revealed that the hinge pins on vacuum breakers 1B21-F037 A, B, D, F, H, J, K, L, and 1B21-F110 A, C were bent slightly at the pivot point where the valve disc arm is connected to the hinge pin. The vacuum breaker closure spring appears to be strong enough to cause the valve disc arm to force the disc to its seat. This same spring force (i.e., the one that is being exerted to properly seat the valve) is also being exerted at the pivot point where the valve disc arm is connected to the hinge pin. It is postulated that the hinge pin is not strong enough to withstand the force being exerted upon it due to inadequate design.

Immediate Corrective Action:

The safety relief valve discharge line vacuum breakers which did not seat properly were replaced with new ones.

Supplemental Corrective Action:

No supplemental corrective action was required.

Scheduled (future) corrective action:

There is no scheduled corrective action at this time.

Action to prevent recurrence (if different from corrective actions):

A Request for Engineering Assistance was initiated to determine the proper and permanent solution for this event. When the solution to this event is determined and approved, the materials will be acquired and a schedule for implementation will be determined and implemented.

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Georgia Power

83 SEP 15 P 1: 35

Edwin I. Hatch Nuclear Plant

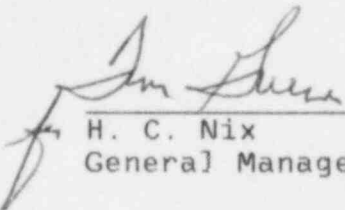
September 9, 1983  
GM-83-888

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

United States Nuclear Regulatory Commission  
Office of Inspection and Enforcement  
Region II  
Suite 3100  
101 Marietta Street  
Atlanta, Georgia 30303

ATTENTION: Mr. James P. O'Reilly

Attached is Licensee Event Report No. 50-321/1983-091. This report is required by Hatch Unit 1 Technical Specifications Section 6.9.1.8.e.

  
\_\_\_\_\_  
H. C. Nix  
General Manager

*SLC*  
HCN/SBT/djs

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