

LICENSEE EVENT REPORT

CONTROL BLOCK: 1

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	G	A	E	I	H	1	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	1	4	5	
7		8		9		14		15		16		17		18		19		20		25		26		27		28		29	
CC		REPORT SOURCE		60		61		62		63		64		65		66		67		68		69		70		71		72	
0		1		L		6		0		5		0		0		0		3		2		1		7		0		1	
7		8		9		10		11		12		13		14		15		16		17		18		19		20		21	

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 | With the unit at steady state 80% thermal power a HPCI quickstart was

03 | performed. When the test began the HPCI governor valves stuck open.

04 | The HPCI system isolated on a high dP trip. RCIC, core spray, ADS,

05 | HPCI were operable. There were no effects upon public health and safe-

06 | ty due to this event. This is a nonrepetitive occurrence and was rep-

07 | ortable under Tech Specs section 6.9.1.9.b.

0	8	9	S	5	11	B	12	C	13	T	U	R	B	1	N	14	Z	15	Z	16	
7		8		9		10		11		12		13		14		15		16		17	
17		LER/RO REPORT NUMBER		EVENT YEAR		21		22		23		24		25		26		27		28	
0		1		8		1		-		0		0		3		0		3		0	
7		8		9		10		11		12		13		14		15		16		17	
18		ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS		22		ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER	
A		18		F		19		Z		20		Z		21		0		0		0	
7		8		9		10		11		12		13		14		15		16		17	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 | The cause of the governor valves sticking open was one of the two lift

11 | rods was bent and galled due to interference between the lift rod fork

12 | connector and the valve lever. The damaged rod was replaced, the upper

13 | guide bushing honed and the fork was modified to allow free movement.

14 | The unit is now in full compliance, and no further reporting is required.

1	5	F	28	0	8	0	29	NA	30	C	31	Performing a quickstart on HPCI	32
7		8		9		10		11		13		14	
15		ACTIVITY RELEASED		CONTENT OF RELEASE		AMOUNT OF ACTIVITY		35		LOCATION OF RELEASE		36	
1		6		Z		33		Z		34		NA	
7		8		9		10		11		13		14	
17		PERSONNEL EXPOSURES		NUMBER		TYPE		DESCRIPTION		39		NA	
1		7		0		0		37		Z		38	
7		8		9		10		11		13		14	
18		PERSONNEL INJURIES		NUMBER		DESCRIPTION		41		NA		42	
1		8		0		0		40		NA		43	
7		8		9		10		11		13		14	
19		LOSS OF OR DAMAGE TO FACILITY		TYPE		DESCRIPTION		43		NA		44	
1		9		Z		47		NA		48		49	
7		8		9		10		11		13		14	
20		PUBLICATION		ISSUED		DESCRIPTION		45		NA		46	
2		0		N		44		NA		47		48	
7		8		9		10		11		13		14	

LER #: 50-321/1981-003
Licensee: Georgia Power Company
Facility Name: Edwin I. Hatch
Docket #: 50-321

Narrative Report
for LER 50-321/1981-003

With the unit at steady state 80% thermal power, 1956 MWt, a HPCI quickstart was to be performed for testing purposes (tune and reduce quickstart transient). When the test began the HPCI governor valves stuck in the 3/4 open position. The HPCI system isolated on a high dP trip. Redundant safety systems RCIC, core spray, ADS, LPCI, and RHR were all operable. There were no effects upon public health and safety due to this event.

The cause of the governor valves sticking open was one of the two lift rods (piece #58201, part #64 on vendor dwg. 66359E) was bent and galled.

The lift rod was bent by the lift rod fork connector (part #87087C) hitting the valve lever (part #74 on drawing 66359E) when the valves are 100% open. This interference restricted the movement of the fork in the 100% open valve position and forced the lift rod away from its true travel plane causing it to bend. While the rod was bent it rubbed against the upper guide bushing (piece #58391, part #87 on vendor dwg. 66359E) and caused the surface to be galled.

These two conditions, bending and galling, caused the seizure of the lift rod and thus the stuck open valve condition.

The damaged lift rod was replaced, the upper guide bushing was honed to remove any burrs, and the area on the lift rod fork connector, where the interference occurred with the valve lever was ground away to allow freedom of movement for all valve positions.

This is a nonrepetitive occurrence and was reportable under Tech Specs section 6.9.1.9.b.

Unit 2 HPCI turbine was inspected for any similar interference and no indications of this were found.

The unit is now in full compliance, and no further reporting is required.