

LICENSEE EVENT REPORT

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

0	1	V	A	S	P	S	1	2	0	0	-	0	0	0	0	0	-	0	0	3	4	1	1	1	1	4			5
7	8	LICENSEE CODE							14	LICENSE NUMBER										25	LICENSE TYPE					30	CAT		58

CON'T

0 1 7 8

REPORT SOURCE L 6 0 5 0 0 0 2 8 0 7 0 4 0 2 7 9 8 0 5 0 2 7 9 9

60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | With the unit shut down a special functional test of 74 snubbers in Unit 1 resulted
0 3 | in 21 not meeting the acceptance criteria stipulated in the governing procedure.
0 4 | These tests were performed as a result of the high failure rate experienced in Unit 2
0 5 | during the performance of PT-39.2. This event is reportable in accordance with
0 6 | T.S. 6.6.2.b.(2). The health and safety of the general public were not affected.
0 7 |
0 8 |

09		SYSTEM CODE Z Z		CAUSE CODE E		CAUSE SUBCODE B		COMPONENT CODE S U P P O R T				COMP. SUBCODE Z		VALVE SUBCODE Z	
7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22
LER/RO REPORT NUMBER		EVENT YEAR 7 9		SEQUENTIAL REPORT NO. 0 1 2		OCCURRENCE CODE 0 3		REPORT TYPE L		REVISION NO. 0		ACTION TAKEN D		FUTURE ACTION Z	
17		21		24		28		30		32		33		34	
EFFECT ON PLANT D		SHUTDOWN METHOD Z		HOURS 0 0 0 0		ATTACHMENT SUBMITTED Y		NPRD-4 FORM SUB. Y		PRIME COMP. SUPPLIER A		COMPONENT MANUFACTURER 1 2 0 7		20	
35		36		37		41		42		43		44		47	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | During all previous functional tests, the snubbers were not readjusted to optimum
1 1 | design conditions. This, in combination with setting drift, caused the snubber set-
1 2 | points to fall outside the acceptable ranges. The failed units were reset to
1 3 | optimum design conditions prior to reinstallation.
1 4 |

FACILITY STATUS		% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION							
1	5	G	(28)	0	0	0	(29)	NA	C	(31)	Result of functional tests	(32)
7	8	9		10	11	12	13		44	45	46	80

ACTIVITY CONTENT
RELEASED OF RELEASE AMOUNT OF ACTIVITY (35)
1 6 Z (33) Z (34) NA
7 8 9 10 11 44
45 80
LOCATION OF RELEASE (36)
NA

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	0	(37)		(38)	NA	
7	8	9	11	12	13				80

PERSONNEL INJURIES										
NUMBER			DESCRIPTION							
1	8	0	0	0	40	NA				

1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80	
1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80	
1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80	
1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53		54		55		56		57		58		59		60		61		62		63		64		65		66		67		68		69		70		71		72		73		74		75		76		77		78		79		80	
1		2		3		4		5		6		7		8		9		10		11		12		13		14		15		16		17		18		19		20		21		22		23		24		25		26		27		28		29		30		31		32		33		34		35		36		37		38		39		40		41		42		43		44		45		46		47		48		49		50		51		52		53																																																							

		PUBLICITY		ISSUED		DESCRIPTION		(45)		NRC USE ONLY											
2	0	N	(44)	NA						7905040414											
7	8	9	10							68											80

NAME OF PREPARER W. L. Stewart

PHONE: (804) 357-3184

• (Attachment, page 1 of 2)
Surry Power Station, Unit 1
Docket No: 50-280
Report No: 79-012/03L-0
Event Date: 4-2-78

Inoperable Snubbers

1. Description of Event:

With the unit shut down, a special functional test of 74 snubbers in Unit 1 resulted in 21 not meeting the acceptance criteria stipulated in the governing Mechanical Maintenance procedures. These tests were performed as a result of the high failure rate experienced in Unit 2 during the performance of PT-39.2 (Snubber Functional Test). This event is reportable in accordance with Tech. Spec.6.6.2.b.(2).

2. Probable Consequences of Event:

As with Unit 2, the failures were the result of lockup and bleed rates falling below minimum acceptable levels. However, since the majority of the failing snubbers exhibited lockup and bleed rates greater than zero in./min., the units would still allow pipe movement during normal operating conditions. Two snubbers exhibited zero lockup. Each was in a separate system, therefore, the affected systems would not have experienced excessive stresses under normal conditions and would still perform as rigid constraints during seismic disturbances. Finally, since unit operation was normal, the health and safety of the general public were not affected.

3. Cause of Event:

During all previous functional tests, the snubbers were not readjusted to optimum design conditions prior to reinstallation. This, in combination with setting drift, caused the snubber settings to fall outside the acceptance ranges.

4. Immediate Corrective Action:

The snubbers were reset to the optimum design setpoints. Those that could not be reset were repaired or replaced.

5. Future Corrective Action:

When any snubber is functionally tested, the lockup and bleed rates will be reset to optimum design conditions prior to reinstallation.

6. Actions Taken to Prevent Recurrence:

The existing acceptance criteria are presently being analyzed by Stone and Webster. This analysis will take into account temperature effects and other system parameters such that new acceptance criteria can be generated which will more accurately describe snubber performance under all conditions.

(Attachment, page 2 of 2)
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7. Generic Implications:

All snubbers in Unit 1 have been tested within the last year and appropriate action was taken to reset the failed units.