

LICENSEE EVENT REPORT

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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REPORT SOURCE

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DOCKET NUMBER

EVENT DATE

REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0	8	
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09		SYSTEM CODE		CAUSE CODE		CAUSE SUBCODE		COMPONENT CODE				COMP. SUBCODE		VALVE SUBCODE					
[0][9]		[S][H]		[X]		[Z]		[P][I][P][E][X][X]				[C]		[Z]					
7 8		9 10		11 12		12 13		13 18				19 20		20 21					
(17) LER/RO REPORT NUMBER		EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE				REPORT TYPE		REVISION NO.							
[7][9]		[7][9]		[0][0][8]		[0][3]				[L]		[0]							
21 22		23 24		24 26		26 29				29 30		30 32							
ACTION TAKEN		FUTURE ACTION		EFFECT ON PLANT		SHUTDOWN METHOD		HOURS				ATTACHMENT SUBMITTED		NPRD-4 FORM SUB.		PRIME COMP. SUPPLIER		COMPONENT MANUFACTURER	
[A]		[F]		[Z]		[Z]		[0][0][0][0]				[Y]		[N]		[Z]		[][][][]	
33 34		34 35		35 36		36 37		37 40				40 41		41 42		42 43		43 47	
(18)		(19)		(20)		(21)		(22)				(23)		(24)		(25)		(26)	

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | A sample of the piping is being sent to a consulting laboratory for evaluation. Inspec-

1 1 | tion of Surry Unit No. 1 recirculation spray system piping indicated that the piping

1 2 | was operable. Degraded piping in Unit No. 2 will be replaced prior to placing the

1 3 | unit back into service. Further actions to prevent recurrence are being evaluated.

7 8 9 80

FACILITY STATUS		% POWER	OTHER STATUS	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION
1	5	H	(28)		
7	8	0	0	0	(29)
NA					
				B	(31)
Routing Surveillance					

ACTIVITY CONTENT
RELEASED OF RELEASE

1 6 Z (33) Z (34)

7 8 9 10 11

AMOUNT OF ACTIVITY NA (35)

44

45

LOCATION OF RELEASE (36)

80

PERSONNEL EXPOSURES									
NUMBER			TYPE	DESCRIPTION					
1	7	0	0	0	(37)	Z	(38)	NA	(39)

PERSONNEL INJURIES		NUMBER		DESCRIPTION	
1	8	0	0	0	NA

1		9		7		8		9		8		9	
LOSS OF OR DAMAGE TO FACILITY (43)													
TYPE				DESCRIPTION									
Z (42)				NA									

ISSUED 20 DESCRIPTION 7903090161 NA 45 NRC USE ONLY

NAME OF PREPARER W. L. Stewart

PHONE: (804) 357-3184

Surry Power Station, Unit 2
Docket No: 50-281
Report No: 79-008/03L-0
Event Date: 02/09/79

Title of Report: Recirculation Spray System - Pipe Deterioration

1. Description of Event:

During the refueling and steam generator replacement outage of Surry Unit No. 2, routine surveillance indicated deterioration of piping on the Low (Horizontal) portion of two of the four recirculation spray subsystems. This piping was part of the original installation.

A visual inspection of the Surry Unit No. 1 Recirculation Spray systems piping was performed with satisfactory findings.

The event constitutes a condition contrary to T.S. 3.4.1 and is reportable in accordance with T.S. 6.2.2.b.(4).

2. Probable Consequences/Status of Redundant Systems:

The Recirculation Spray systems provide the necessary cooling and depressurization of the containment during a loss-of-coolant event. A complete description of the systems are contained in Section 6.3.1 of the Final Safety Analysis Report for the Surry Power Station, Unit No. 1 and 2.

Because of the redundancy of the systems, even with the degradation experienced, the systems would have performed their intended functions. Therefore, the health and safety of the public were not affected.

3. Cause of Event:

A sample of the piping is being sent to a consulting laboratory for evaluation.

4. Immediate Corrective Action:

Action was initiated to replace the degraded piping.

5. Scheduled Corrective Action:

All degraded pipes will be replaced prior to placing the unit back into service.

6. Action Taken to Prevent Recurrence:

Routine surveillance program to inspect the low point piping in the containment spray systems is in effect. Any piping that does not pass the inspection will be replaced. Mechanisms to preclude recurrence are being evaluated.

7. Generic Implications:

None