

CONTROL BLOCK: | | | | | | | (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

SYSTEM CODE C B 11		CAUSE CODE B 12		CAUSE SUBCODE C 13		COMP. SUBCODE Z 15		VALVE SUBCODE Z 16	
EVENT YEAR 8 2 21 22		SEQUENTIAL REPORT NO. 0 17 5 24 26		OCCURRENCE CODE 0 1 28 29		REPORT TYPE T 30		REVISION NO. 0 32	
ACTION TAKEN R 18		FUTURE ACTION Z 19		EFFECT ON PLANT C 20		SHUTDOWN METHOD Z 21		HOURS 0 0 0 0 22 40	
ATTACHMENT SUBMITTED Y 23		NPRD-4 FORM SUB. N 24		PRIME COMP. SUPPLIER N 25		COMPONENT MANUFACTURER W 1 2 0 26 44 47			

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

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NAC USE ONLY

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ATTACHMENT 1

SURRY POWER STATION, UNIT NO. 2

DOCKET NO: 50-281

REPORT NO: 82-075/01T-0

EVENT DATE: 12-19-82

TITLE OF THE EVENT: 2-RC-159 Weld Leak

1. DESCRIPTION OF THE EVENT:

With the unit at hot shutdown, while conducting the Reactor Coolant System (RCS) integrity test (Periodic Test 11) a socket weld leak on the 'A' steam generator channel head drain piping at 2-RC-159 was identified. This event is reportable in accordance with Technical Specification 6.6.2.a.(3).

2. PROBABLE CONSEQUENCES AND STATUS OF REDUNDANT EQUIPMENT:

2-RC-159 is connected to the steam generator through a 3/8" pipe approximately 5" long. A Westinghouse analysis has determined the normal charging system is capable of maintaining RCS inventory in the event of a 3/8" pipe break. Therefore the health and safety of the public were not affected.

3. CAUSE:

The cause of the event is believed to be inadequate fusion between successive weld passes. This may have been due to water being present at the time the weld was made. Since the defect did not extend to the weld surface it was not detected by the liquid penetrant examination done at the time.

4. IMMEDIATE CORRECTIVE ACTION:

Actions were taken to return the unit to cold shutdown.

5. SUBSEQUENT CORRECTIVE ACTION:

The weld was ground out in the area of the defect and repaired. A liquid Penetrant Examination of the final weld revealed no defects. Additionally, a hydrostatic test was successfully completed.

6. ACTIONS TAKEN TO PREVENT RECURRENCE:

None.

7. GENERIC IMPLICATIONS:

None.