

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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SURRY POWER STATION, UNIT NO. 2
DOCKET NO. 50-281
REPORT NO. 79-008/03X-1
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.

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

The event constitutes a condition less conservative with respect to T.S.3.4.A.2 and is reportable in accordance with T.S. 6.6.2.b(4).

2. Probable Consequences/Status of Redundant Systems:

The recirculation spray systems are redundant systems. They provide the necessary cooling and depressurization of 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, and the nature of the degradation experienced, the systems would have performed their intended function. Therefore the health and safety of the general public were not affected.

3. Cause of Event:

The cause of degradation has been determined to be chloride stress corrosion, by the consulting laboratory.

4. Immediate Corrective Action:

A sample of the degraded piping was sent to a consulting laboratory for evaluation. Action was initiated to replace the degraded piping.

5. Scheduled Corrective Action:

Degraded piping has been replaced.

6. Action Taken to Prevent Recurrence:

The degraded sensitized stainless steel piping has been replaced by nonsensitized stainless steel piping which resists chloride stress corrosion.

The installed instrumentation gives an indication in the control room if water enters the piping under discussion.

Routine surveillance program to inspect the low point piping by ultrasonic testing during refueling is in effect. Any piping that does not pass the inspection will be subjected to further evaluation and

ATTACHMENT 2

SURRY POWER STATION UNIT NO 2 SUPPLEMENTAL REPORT

DOCKET NO: 50-281

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6. Action Taken to Prevent Recurrence (continued)

replacement if necessary.

7. Generic Implications:

None