A

NRC FORM 366 (7-77)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

EXHIBIT A

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

| | | |

ATTACHMENT (PAGE 1 OF 1)
SURRY POWER STATION, UNIT 1
DOCKET NO: 50-280
REPORT NO: 80-005/03L-0
EVENT DATE: 01-20-80
TITLE OF REPORT: Heat Tracing System Failure

1. DESCRIPTION OF EVENT:

While conducting PT 27D (Heat Tracing System) it was discovered that circuit 17A Panel 9 was inoperative. The redundant heat tracing circuit on this line to No. 1 Boric Acid Filter was operable thus maintaining two flow paths to the core. This event is contrary to Tech. Spec. 3.2.B.5, allowable as a degraded mode of operation as outlined in 3.2.D.3, and reportable in accordance with 6.6.2.b.2. The health and safety of the public were not affected.

2. PROBABLE CONSEQUENCES AND STATUS OF REDUNDANT SYSTEMS:

The redundant circuit from Panel 8 was operable and functioned as designed. Since two flow paths for Boric Acid feed to the core were maintained operable, the health and safety of the public were not affected.

3. CAUSE:

Investigation determined that a thermostat within the circuit had failed.

4. IMMEDIATE CORRECTIVE ACTION:

A maintenance report was initiated to replace the defective part.

5. SUBSEQUENT CORRECTIVE ACTION:

The defective thermostat was replaced and the system declared operable.

6. FUTURE CORRECTIVE ACTION:

None.

7. GENERIC IMPLICATIONS:

A task force has been established to study the total spectrum of the heat tracing system in an attempt to discern present problems and recommend solutions which will eliminate the failures experienced.

1951 332