

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

GP0 917-920

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SURRY POWER STATION, UNIT 1
DOCKET NO: 050-0280
REPORT NO: 79-041/21X-0
EVENT DATE: 12/19/79

TITLE OF EVENT: Reactor Coolant Pump, 1-RC-P-1A, Malfunction

1. DESCRIPTION OF EVENT:

During full power operation, a reactor trip occurred as a result of a grounded motor winding on reactor coolant pump. At approximately 3 minutes after the trip, a safety injection was initiated automatically by a low steam line header pressure differential on Loop "A".

2. PROBABLE CONSEQUENCES OF EVENT:

The reactor trip and subsequent safety injection had no effect upon the health or safety of the general public because all systems, automatic and manual, responded in a manner consistent with design.

3. CAUSE OF EVENT:

The reactor trip was caused by loss of Reactor Coolant flow, as a result of a ground fault in Reactor Coolant Pump Motor "1A". The safety injection was due to a low steamline to header pressure differential on Loop "A".

4. IMMEDIATE CORRECTIVE ACTION:

The immediate corrective action taken following the reactor trip was to complete the appropriate emergency procedures. All systems responded as designed.

5. SCHEDULED CORRECTIVE ACTION:

The Reactor Coolant Pump motor has been replaced.

6. ACTION TAKEN TO PREVENT RECURRENCE:

The same as scheduled corrective actions.

7. GENERIC IMPLICATIONS

None