



ATTACHMENT 1

SURRY POWER STATION, UNIT NO. 1

DOCKET NO: 50-280

REPORT NO: 83-059/03L-0

EVENT DATE: 12-25-83

TITLE OF THE EVENT: RPI MALFUNCTION

1. Description of the Event

On December 25, 1983 with unit 1 at hot shutdown and on December 26, 1983 with unit 1 just critical, rod position indicators G-3 and F-12 respectively were indicating more than 12 steps from their banks. This is contrary to T.S.-3.12.E.1 and is reportable per T.S.-6.6.2.b.(2).

2. Probable Consequences and Status of Redundant Equipment

The rod position indicators (RPI) give continuous indication of the position of each control rod. The RPI misalignment did not affect the control of the aforementioned rods. Each rod was capable of being dropped, therefore the health and safety of the public were unaffected.

3. Cause

Signal conditioning module drift caused indicator F-12 to deviate. Indicator G-3 had a sticking meter.

4. Immediate Corrective Action

The immediate corrective actions were to recalibrate the module that had drifted and repair the sticking meter.

5. Subsequent Corrective Action

The RPI's were tested satisfactory and returned to service.

6. Action Taken to Prevent Recurrence

None.

7. Generic Implications

RPI drift is a generic problem to Surry unit 1 and unit 2.