

Virginia Electric and Power Company
North Anna Power Station, Unit No. 2
Docket No. 50-339
Attachment to ICR 82-052/03L-0

Attachment: 1 of 1

Description of Event

On August 22, 1982, with Unit No. 2 in Mode 3, one of the reactor coolant system subcooling margin monitors failed. The monitor failed in an alarm condition by illuminating all panel lights on the processor and causing a control room annunciator alarm.

Probable Consequences of Occurrence

The failed subcooling monitor was returned to service within 24 hours. The redundant subcooling monitor and other accident monitoring instrumentation were operable; therefore, the health and safety of the general public were not affected.

Cause of Event

The subcooling monitor was inoperable because an internal circuit locked the processor in the alarm mode. The exact cause of the event is unknown. It is believed that the vertical orientation of the processor has caused the printed circuit boards to sag away from their connectors. A momentary discontinuity at a connector could cause the affected circuit to lockup the processor.

Immediate Corrective Action

The processor was reset and verified to be operable. The connectors were verified to be tight and the processor was put through several cycles to assure that the affected circuit would not lockup again. Operation of the monitor over a two day period did not indicate any further problems.

Scheduled Corrective Action

Engineering is evaluating a modification to the printed circuit board supports to prevent sagging.

Action Taken To Prevent Recurrence

No further actions will be taken until the engineering evaluation is completed.

Generic Implications

All four subcooling monitors (two per unit) are of the same design and mounted identically. Any design modification will apply to both units.