

LER ATTACHMENT - RO # 2-81-75

Facility: BSEP Unit No. 2

Event Date: 3-1-81

This event occurred as a result of a previously identified problem with point 1 of the recorder. Point 1 had been declared inoperable because of an open circuit in the signal cable located in the drywell and a work request had been written to replace the cable.

This recorder utilizes a print mechanical stop which prevents it from driving beyond 400^oF as indicated on the recorder instrument scale. Should a loss of signal to a point occur, the recorder print mechanism will attempt to drive upscale until another recorder point with a proper signal is selected for indication by the recorder. It is believed that over a period of time the periodic upscale driving of the mechanism caused a momentary slippage of the mechanism drive belt and a shift of one or more of the mechanism's drive gears on their drive shafts due to mechanical stress. As a result of the gear slippage, the calibration of the recorder shifted and caused the points to indicate downscale.

To return the recorder to operability, the signal circuitry associated with point 1 of the recorder was disconnected and the recorder terminals associated with the point were shorted together. This action presently prevents the mechanism from driving upscale when selected to point 1. The recorder drive mechanism components were all checked for proper operation and the mechanism was properly adjusted. The recorder was then recalibrated and returned to service.

Following the repair of the signal cable problem associated with point 1, that point will be returned to service.