NRC FOF (7-77)	U.S. NUCLEAR REGULATORY COMMISSION
	CONTROL BLOCK:
	N C B E P 2 (2) 0 0 - 0 0 0 0 - 0 0 3 4 1 1 1 1 4
7 8	9 LICENSEE CODE 14 15 LICENSE NUMBER 25 26 LICENSE TYPE 30 57 CAT 58
CON'T 0 1 7 8	REPORT L 6 0 5 0 - 0 3 2 4 0 0 8 0 1 8 1 8 0 8 2 7 8 1 9 SOURCE 60 61 DOCKET NUMBER 68 69 EVENT DATE 74 75 REPORT DATE 80
0 2	[During plant operation, it was discovered that temperature readout points 1, 3, 4, and]
0 3	7 of temperature recorder, 2-CAC-TR-778, Model No. 551, located on the remote shutdown
04	panel, were indicating downscale. Points 1, 3, 4 indicate drywell temperatures while
0 5	point 7 indicates suppression chamber water temperature. This event did not affect
06	the health and safety of the public.
0 7	
08	Technical Specifications 3.3.5.2a, 6.9.1.9b
7 8	9 SYSTEM CAUSE CAUSE CAUSE COMPONENT CODE COMPONENT CODE SUBCODE COMPONENT CODE SUBCODE SUBCO
	Image: Construction of the point of the
10	The recorder was out of calibration as a result of periodic upscale driving of the
11	recorder print mechanism against its mechanical stop which occurred whenever the
12	recorder selected to point 1, which had previously been identified as inoperable. The
1 3	recorder circuitry associated with point . was bypassed and caution tagged, the record-
14	er was recalibrated, and points 3, 4, and 7 were returned to service.
	ACILITY STATUS STATU
	ACTIVITY CONTENT ELEASED OF RELEASE AMOUNT OF ACTIVITY 35 2 33 Z 34 NA LOCATION OF RELEASE 36 NA 80
17	PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39) NA NA
7 8	9 PERSONNEL INJURIES NUMBER DESCRIPTION (41)
1 8	NA NA NA 80
[1]9]	LOSS OF OR DAMAGE TO FACILITY (43) TYPE DESCRIPTION (43) Z (42)
7 8	9 10 80 PUBLICITY ONLY
20	ISSUED DESCRIPTION (45) N (44) 68 69 80.5
	M. J. Pastva, Jr. (919) 457-9521

LER ATTACHMENT - RO # 2-81-75

Facility: BSEP Unit No. 2

Event Date: S-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°F 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 indica. On 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.