NRC FOR	U.S. NUCLEAR REGULATORY COMMISSION
	LICENSEE EVENT REPORT
	ONTROL BLOCK:
	N C B E P 2 2 0 0 - 0 0 0 0 - 0 0 3 4 1 1 1 1 6 57 CAT 58 5
	REPORT L 6 0 5 0 - 0 3 2 4 0 0 2 5 8 1 3 0 3 2 7 8 1 9 SOURCE 60 61 DOCKET NUMBER 58 59 EVENT DATE 74 75 REPORT DATE 80
0 2	During a normal reactor startup, primary containment oxygen analyzer, 2-CAC-AQH-1263-2,
03	was observed with an upscale indication of the drywell and torus oxygen concentration
04	while the other oxygen analyzer, 2-CAC-AQH-1259-2 indicated an expected concentration
0 5	of <4%. On March 3, 1981, the 1263-2 analyzer was found with downscale indications
06	of the drywell and torus oxygen concentration. Neither of these events affect the
07	health or safety of the public.
08	Technical Specifications 3.6,6.4, 6.9,1.9b
د ت ت	9 SYSTEM CODE CAUSE CODE CAUSE SUBCODE COMPONENT CODE SUBCODE SUBCODE VALVE SUBCODE 9 10 11 12 13 1 N 3 I R U 14 E 15 Z 16 9 10 11 12 13 13 I R U 14 E 15 Z 16 10 11 12 13 13 1 N 3 I R 19 20 15 20 16 11 12 12 13 13 14 0 13 13 10
10	Both events resulted from a moisture buildup in the analyzer electromagnetic unit which
	caused a shift of the analyzer instrument zero reference and the upscale and downscale
[1]2]	indications exhibited during each event. Following each event the analyzer sample
	lines were blown down and the analyzer recalibrated, observed for proper operation and]
	then declared operable and returned to service.
7 8	9 ACILITY STATUS C 28 0 0 0 7 29 C 28 0 0 0 7 29 ACILITY STATUS ACILITY STATUS C 28 0 0 0 7 29 C 28 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0
1 6	CTIVITY CONTENT ELEASED OF RELEASE AMOUNT OF ACTIVITY 35 LOCATION OF RELEASE 36
7 8	9 10 11 44 45 80 PERSONNEL EXPOSURES NUMBER TYPE DESCRIPTION (39)
1 7 7 8	0 0 0 0 0 0 2 38 NA
1.	
7 8	9 LOSS OF OR DAMAGE TO FACILITY (43) TYPE DESCRIPTION NA
(TET)	PUBLICITY NEC USE ONLY
; " "	9 10 68 69 80-3 9 10 919-457-9521 0
8104(16 11 598

LER ATTACHMENT - RO # 2-81-36

Facility: BSEP Unit No. 2

Event Date: 2-25-81

Moisture buildup in the analyzer sample lines caused both of these events. As presently installed, this type CAC monitor utilizes sample piping that tends to allow a moisture buildup in the monitor components and within the line itself. In both events, the monitor oxygen analyzer electromagnetic unit experienced an instrument zero reference shift due to a change in pressure resulting from a moisture buildup in the analyzer piping with the resultant upscale and downscale indications exhibited by the analyzers. The sample lines to these monitor analyzers are presently blown down on a weekly basis to remove any moisture accumulation that could lead to problems affecting the operation of these monitors.

Due to a history of various events resulting from sample flow moisture problems, a plant modification has been developed to replace these type monitors with others of a more reliable design that will utilize a different sample piping design which will help eliminate any moisture buildup problems. The monitors presently in use will be replaced with the others specified in the modification, following their receipt, during the next unit outage of sufficient length as to allow their installation. They are currently scheduled to arrive on site in August 1981.