NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: (1) (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

Field	Value
0 1 Licensee Code (2)	N C B E P 2
License Number (3)	0 0 - 0 0 0 0 0 - 0 0
License Type (4)	4 1 1 1 1
CAT (5)	
CON'T 0 1 Report Source (6)	L
Docket Number (7)	0 5 0 - 0 3 2 4
Event Date (8)	0 8 1 1 8 1
Report Date (9)	0 8 2 7 8 1

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During routine surveillance, it was discovered that primary containment atmospheric
0 3 oxygen analyzer, 2-CAC-AT-1259-2, Model No. F3M3, was erratically indicating drywell
0 4 oxygen concentration. On 8-12-81, the 1259-2 analyzer indicated erratically while the
0 5 other primary containment atmospheric oxygen analyzer, 2-CAC-AT-1263-2, was inoperable
0 6 (which is being reported in LER 2-81-86) and an orderly reactor shutdown was commenced
0 7 in accordance with technical specifications. Neither of these events affected the
0 8 health or safety of the public. Technical Specifications 3.3.5.3. 3.6.6.4, 6.9.1.9b

0 9	Field	Value
	System Code (11)	S E
	Cause Code (12)	E
	Cause Subcode (13)	E
	Component Code (14)	I N S T R U
	Comp. Subcode (15)	Y
	Valve Subcode (16)	Z
LER/RO Report Number (17)	Event Year	8 1
		—
	Sequential Report No.	0 8 7
		/
	Occurrence Code	0 3
	Report Type	L
		—
	Revision No.	0
	Action Taken (18)	E
	Future Action (19)	X
	Effect on Plant (20)	Z
	Shutdown Method (21)	Z
	Hours (22)	0 0 0 0
	Attachment Submitted (23)	Y
	NPRD-4 Form Sub. (24)	Y
	Prime Comp. Supplier (25)	N
	Component Manufacturer (26)	B 1 3 5

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 The 8-11-81 event was caused by the analyzer being out of calibration due to instrument
1 1 drift. It was then recalibrated and returned to service. The 8-12-81 event resulted
1 2 from moisture accumulation in the analyzer electromagnetic unit that caused it to be
1 3 out of calibration. The unit was readjusted and calibrated and the analyzer was
1 4 returned to service.

Row	Field	Value
1 5	Facility Status (28)	F
	% Power (29)	0 8 0
	Other Status (30)	NA
	Method of Discovery (31)	A
	Discovery Description (32)	Operator surveillance
1 6	Activity Released (33)	Z
	Content of Release (34)	Z
	Amount of Activity (35)	NA
	Location of Release (36)	NA
1 7	Personnel Exposures Number (37)	0 0 0
	Type (38)	Z
	Description (39)	NA
1 8	Personnel Injuries Number (40)	0 0 0
	Description (41)	NA
1 9	Loss of or Damage to Facility (43) Type (42)	Z
	Description	NA
2 0	Publicity Issued (44)	N
	Description (45)	NA
	NRC Use Only	

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LER ATTACHMENT - RO # 2-81-87

Facility: BSEP Unit No. 2 Event Date: 8-11-81

The 8-12-81 event occurred as a result of moisture accumulation in the electromagnetic unit section of the 1259 oxygen analyzer. As presently designed, the analyzer sample piping configuration permits excess moisture to build up in the piping. This excess moisture then accumulates in the monitor components and if not removed causes decreased sample flows and resultant problems with components of the analyzer.

Due to a history of similar events involving moisture and instrument drift problems, a plant modification has been developed to replace these type monitors with others of a more reliable design. In addition, the sample piping to these monitors will also be modified to eliminate the sample flow moisture problem.