(7-77)

LICENSEE EVENT REPORT

UPDATE REPORT: PREVIOUS REPORT DATE 7-31-79

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

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

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

02 While performing PT 1.1.4PC, Reactor Low Water Level #1 Channel Calibration,
03 B21-LIS-N017C, switch 1 was found to be out of tolerance low. The required
04 value is $\geq$ 12.5 inches of water and the "as found" value was 7.07 inches of
05 water.
06
07
08 Technical Specifications 2.2.1, 6.9.1.9a

System Code (11)	Cause Code (12)	Cause Subcode (13)	Component Code (14)	Comp. Subcode (15)	Valve Subcode (16)
I A	X	Z	I N S T R U	E	Z

(17) LER/RO REPORT NUMBER

Event Year		Sequential Report No.		Occurrence Code	Report Type		Revision No.
7 9	—	0 5 4	/	0 3	L	—	1

Action Taken (18)	Future Action (19)	Effect on Plant (20)	Shutdown Method (21)	Hours (22)	Attachment Submitted (23)	NPRD-4 Form Sub. (24)	Prime Comp. Supplier (25)	Component Manufacturer (26)
E	X	Z	Z	0 0 0 0	Y	Y	N	B 0 8 0

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

10 The only reason determined was instrument drift. The instrument was recalibrated
11 and returned to service. A plant modification has been written to replace the
12 bi-stable switches with analog instrumentation during a future outage. This new
13 instrumentation is much more stable and should greatly reduce the drift problems
14 now being encountered.

Line	Facility Status (28)	% Power (29)	Other Status (30)	Method of Discovery (31)	Discovery Description (32)
15	G	0 0 0	N/A	B	Periodic Test

Line	Activity Released (33)	Content of Release (34)	Amount of Activity (35)	Location of Release (36)
16	Z	Z	N/A	N/A

PERSONNEL EXPOSURES

Line	Number (37)	Type (38)	Description (39)
17	0 0 0	Z	N/A

PERSONNEL INJURIES

Line	Number (40)	Description (41)
18	0 0 0	N/A

LOSS OF OR DAMAGE TO FACILITY (43)

Line	Type (42)	Description
19	Z	N/A

PUBLICITY

Line	Issued (44)	Description (45)	NRC USE ONLY
20	N	N/A	

8005280670

NAME OF PREPARER A. C. Tollisin, Jr. PHONE 919-457-9521

LER ATTACHMENT - RO NO. 2-79-054

Facility: BSEP Unit No. 2 Event Date: July 2, 1979

During the 1980 Unit No. 2 refueling outage, several instruments were scheduled to be replaced with more reliable analog-type instrumentation. Prior to the refueling outage, Carolina Power & Light Company contacted other utilities which had already made this conversion to learn of any problems they experienced. From these conversations, it was decided that a thorough bench-testing program should be implemented before actual installation. During this bench testing, several problems were identified which we feel make these instruments unsuitable for operation at this time. Upon completion of correcting these problems and thorough testing, this new analog instrumentation will be installed.