NRC FORM 366 (7-77)

U. S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

CONTROL BLOCK: ⑴ (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

Line	Field	Value
01	LICENSEE CODE (2)	NCBEP2
01	LICENSE NUMBER (3)	00-00000-00
01	LICENSE TYPE (4)	41111
01	CAT (5)	
01 CON'T	REPORT SOURCE (6)	L
01 CON'T	DOCKET NUMBER (7)	050-0324
01 CON'T	EVENT DATE (8)	101481
01 CON'T	REPORT DATE (9)	110381

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

During the performance of Condensate Storage Tank (CST) Low Water Level Channel Functional Test, PT 3.1.2P, CST low level switch, 2-E41-LSL-N002, Model No. 83842-A2, would not actuate on a simulated low level. This switch provides a signal to close the HPCI System CST suction valve, 2-E41-F004, and open the HPCI System suppression pool suction valves, 2-E41-F041 and F042, on low CST level. The suction for the HPCI System was then manually aligned to the suppression pool. This event did not affect the health and safety of the public. Technical Specifications 3.3.3, 6.9.1.9b

Field	Value
SYSTEM CODE (11)	SF
CAUSE CODE (12)	X
CAUSE SUBCODE (13)	Z
COMPONENT CODE (14)	INSTRU
COMP. SUBCODE (15)	S
VALVE SUBCODE (16)	Z
LER/RO REPORT NUMBER (17) – EVENT YEAR	81
	—
SEQUENTIAL REPORT NO.	094
	/
OCCURRENCE CODE	03
REPORT TYPE	L
	—
REVISION NO.	0
ACTION TAKEN (18)	B
FUTURE ACTION (19)	Z
EFFECT ON PLANT (20)	Z
SHUTDOWN METHOD (21)	Z
HOURS (22)	0000
ATTACHMENT SUBMITTED (23)	Y
NPRD-4 FORM SUB. (24)	Y
PRIME COMP. SUPPLIER (25)	N
COMPONENT MANUFACTURER (26)	X999

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

Corrosion buildup at the switch actuator arm prevented it from movement and actuating the switch. The corrosion was cleaned from the arm and it was lubricated and exercised to ensure free movement. The PT was then successfully completed and the suction for the HPCI System was returned to normal. Revised plant maintenance practices will help prevent future similar events. The Unit No. 1 performance of this PT was successfully completed.

Field	Value
FACILITY STATUS (28)	E
% POWER (29)	071
OTHER STATUS (30)	NA
METHOD OF DISCOVERY (31)	B
DISCOVERY DESCRIPTION (32)	Periodic Test
ACTIVITY RELEASED (33)	Z
CONTENT OF RELEASE (34)	Z
AMOUNT OF ACTIVITY (35)	NA
LOCATION OF RELEASE (36)	NA
PERSONNEL EXPOSURES NUMBER (37)	000
TYPE (38)	Z
DESCRIPTION (39)	NA
PERSONNEL INJURIES NUMBER (40)	000
DESCRIPTION (41)	NA
LOSS OF OR DAMAGE TO FACILITY TYPE (42)	Z
DESCRIPTION (43)	NA
PUBLICITY ISSUED (44)	N
DESCRIPTION (45)	NA
NRC USE ONLY	

8111130611 811103
PDR ADOCK 05000324
S PDR

NAME OF PREPARER M. J. Pastva, Jr. PHONE: (919)457-9521

LER ATTACHMENT - RO #2-81-94

Facility: BSEP Unit No. 2 Event Date: 10/14/81

During the investigation of this event, an inspection of the switch housing cover and gasket revealed proper penetration integrity with no visible evidence of moisture invasion into the switch housing. It is suspected that prior to the initiation of a current program by a dedicated plant group to ensure proper seal integrity on electrical enclosures, regardless of environment type, as a result of IE Bulletin 79-01B, the housing cover and gasket of the N002 instrument manufactured by Robertshaw Company, may not have been securely fastened. Consequently, this could have permitted moisture to enter the switch housing and cause the observed corrosion which resulted in this event.

As a result of IE Bulletin 79-01B, plant maintenance practices have been revised to ensure proper penetration integrity following routine or repair maintenance to plant equipment. It is felt this will help in the prevention of similar events.