NRC FORM 366 (7-77)

U.S. NUCLEAR REGULATORY COMMISSION

LICENSEE EVENT REPORT

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

0 1 | N C B E P 2 (2) | 0 0 - 0 0 0 0 0 - 0 0 (3) | 4 1 1 1 1 (4) | | (5)
LICENSEE CODE | LICENSE NUMBER | LICENSE TYPE | CAT

CON'T 0 1 | REPORT SOURCE L (6) | 0 5 0 - 0 3 2 4 (7) | 0 7 2 7 8 1 (8) | 0 8 1 0 8 1 (9)
DOCKET NUMBER | EVENT DATE | REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 During a reactor startup it was discovered that control rod 34-19 had continuous
0 3 "full-in" RTGB position indication regardless of actual rod position. The rod was
0 4 then bypassed in the Rod Sequence Control System in accordance with technical speci-
0 5 fications. This event did not affect the health and safety of the public.
0 6
0 7
0 8 Technical Specifications 3.1.3.7, 6.9.1.9b

	SYSTEM CODE	CAUSE CODE	CAUSE SUBCODE	COMPONENT CODE	COMP. SUBCODE	VALVE SUBCODE
0 9	I B (11)	E (12)	F (13)	I N S T R U (14)	X (15)	Z (16)

(17) LER/RO REPORT NUMBER

EVENT YEAR		SEQUENTIAL REPORT NO.		OCCURRENCE CODE	REPORT TYPE		REVISION NO.
8 1	—	0 6 4	/	0 3	L	—	0

ACTION TAKEN	FUTURE ACTION	EFFECT ON PLANT	SHUTDOWN METHOD	HOURS (22)	ATTACHMENT SUBMITTED	NPRD-4 FORM SUB.	PRIME COMP. SUPPLIER	COMPONENT MANUFACTURER
A (18)	Z (19)	Z (20)	Z (21)	0 0 0 0	Y (23)	Y (24)	N (25)	G 0 8 0 (26)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 Transistor Q16, model number 2N3417, and integrated circuit C33, model number
1 1 176A1664P936, located on the rod position indication system probe buffer card failed
1 2 due to apparent end of life and caused the indication problem. The transistor and
1 3 the circuit were replaced and the rod position indication returned to normal. No
1 4 further corrective action to this event is required.

	FACILITY STATUS	% POWER	OTHER STATUS (30)	METHOD OF DISCOVERY	DISCOVERY DESCRIPTION (32)
1 5	C (28)	0 0 1 (29)	NA	A (31)	Operational Event

	ACTIVITY RELEASED	CONTENT OF RELEASE	AMOUNT OF ACTIVITY (35)	LOCATION OF RELEASE (36)
1 6	Z (33)	Z (34)	NA	NA

PERSONNEL EXPOSURES

	NUMBER	TYPE	DESCRIPTION (39)
1 7	0 0 0 (37)	Z (38)	NA

PERSONNEL INJURIES

	NUMBER	DESCRIPTION (41)
1 8	0 0 0 (40)	NA

LOSS OF OR DAMAGE TO FACILITY (43)

	TYPE	DESCRIPTION
1 9	Z (42)	NA

PUBLICITY

	ISSUED	DESCRIPTION (45)	NRC USE ONLY
2 0	N (44)	NA	

8108180176 810810
PDR ADOCK 05000324
S PDR

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

LER ATTACHMENT - RO #2-81-64

Facility: BSEP Unit No. 2 Event Date: 7-27-81

The failures of transistor Q16 and the integrated circuit G33 of the probe buffer card for rod 34-19 do not constitute a safety hazard and are expected on an occasional basis. Therefore, whenever these type failures do occur and are determined to have resulted from natural end of component life, they will be repaired as required.