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 1 1 6 8 2 (8) | 0 2 1 1 8 2 (9)

DOCKET NUMBER | EVENT DATE | REPORT DATE

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

0 2 | During the performance of RPS Reactor Low Water Level No. 1 Channel Calibration and

0 3 | Functional Test, PT 1.1.4PC-2, it was discovered that reactor low level switch,

0 4 | 2-B21-LIS-N07 D-1 actuated at a simulated reactor level of 161.32". The reportable

0 5 | limit for this switch is <162.5". This instrument is used to initiate a reactor scram

0 6 | signal and a group 2, 6, 7, and 8 isolation signal at ≥ 162.5". This event did not

0 7 | affect the health and safety of the public.

0 8 | Technical Specification 2.2.1, 3.3.2, 6.9.1.9b

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

(17) LER/RO REPORT NUMBER: EVENT YEAR 8 2 | — | SEQUENTIAL REPORT NO. 0 1 3 | / | OCCURRENCE CODE 0 3 | REPORT TYPE L | — | REVISION NO. 0

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

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

1 0 | A loose instrument lock setscrew allowed the instrument mechanism to slip and prevent

1 1 | an accurate instrument response to level changes. No apparent reason for the loose

1 2 | screw was determined. The screw was tightened and the instrument, Model No. 288, was

1 3 | calibrated and returned to service. This instrument is scheduled to be replaced with

1 4 | analog instrumentation during the upcoming refueling outage.

1 5 | FACILITY STATUS E (28) | % POWER 0 7 5 (29) | OTHER STATUS (30) NA | METHOD OF DISCOVERY B (31) | DISCOVERY DESCRIPTION (32) Periodic Test

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

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

1 8 | PERSONNEL INJURIES NUMBER 0 0 0 (40) | DESCRIPTION (41) NA

1 9 | LOSS OF OR DAMAGE TO FACILITY TYPE Z (42) | DESCRIPTION NA

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

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LER ATTACHMENT - RO #2-82-13

Facility: BSEP Unit No. 2 Event Date: January 16, 1982

This type of level instrument has experienced several loose setscrew failures over the past several years. Due to this and other reliability problems, this instrumentation is being totally replaced by analog instrumentation during the upcoming refueling outages. Unit No. 1 has already been partially modified and no problems have been identified with the new instruments.