U. S. NUCLEAR REGULATORY COMMISSION NRC FORM 366 (7.77) Update Report LICENSEE EVENT REPORT Previous Report Date 3-18-82 (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) CONTROL BLOCK: 0 0 (3) P 0 0 -0 B E LICENSEE CODE CON'T 2 4 7 0 1 2 0 68 69 EVENT DATE REPORT (8)1 5 0 -L (6) 0 0 1 SOURCE EVENT DATE DOCKET NUMBER EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) Routine surveillance during plant operations revealed that drywell floor drain (DWFD) 0 2 flow integrator, 1-G16-FQ-K601, was continuously indicating DWFD sump flow with no 0 3 DWFD pumps running. The DWFD flow integrator was declared inoperable in accordance 0 4 with technical specifications. A similar event was reported in LER's 2-81-67 and 0 5 This event did not affect the health and safety of the public. 1-82-1. 0 6 Technical Specifications 3.4.3.1b, 6.9.1.9b SYSTEM CAUSE CAUSE COMP VALVE COMPONENT CODE SUBCODE CODE T (15 E (13) CI E (12 N SI T R U|(14 ZI (16) II 19 18 OCCURRENCE REVISION SEQUENTIAL REPORT CODE EVENT YEAR REPORT NO. TYPE NO LER/RO 0 11 18 0| 3 21 8 L REPORT NUMBER 30 NPRD-4 FORM SUB PRIME COMP. COMPONENT ATTACHMENT EFFECT ON PLANT SHUTDOWN ACTION TAKEN FUTURE HOURS (22) Y Y 10 18 F Z Z 01 0 0 0 (23) (24) N (25 G 10 (26 (20) 18) 40 CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) The integrator square root converter, 1-G16-FY-K601, Model No. 565, and flow trans-1 0 | mitter, 1-G16-FT-N003, Model No. 555, were out of calibration causing the erroneous flow indications. FY-K601, N003 and FQ-K601 were calibrated and returned to service. In order to improve the reliability of FQ-K601, a modification to install a vortex type flowmeter in place of NOO3 is being developed. 4 80 METHOD OF DISCOVERY FACILITY (30)DISCOVERY DESCRIPTION (32) OTHER STATUS % POWER E (28) A (31) Operator Surveillance 0 6 7 NA 80 9 16 ACTIVITY CONTENT LOCATION OF RELEASE (36) AMOUNT OF ACTIVITY (35 RELEASED\_OF RELEASE Z 33 Z 34 NA NA 45 80 PERSONNEL EXPOSURES DESCRIPTION (39) NUMBER TYPE 0 0 (37) Z (38) NA 01 80 PERSONNEL INJURIES DESCRIPTION (41) NUMBER NA 0 0 (40) 0 80 LOSS OF OR DAMAGE TO FACILITY (43) TYPE DESCRIPTION NA Z (42) 80 821015 8210290342 PUBLICITY NRC USE ONLY ADOCK 05000324 DESCRIPTION (45) PDR SSUED\_ PDR N (44) 111 68 69 80 (919) 457-9521 M. J. Pastva, Jr. PHONE: -NAME OF PREPARER \_\_

Facility: BSEP Unit No. 2

Event Date: January 20, 1982

Routine operator surveillance during plant operation revealed that the drywell floor drain (DWFD) sump flow integrator, 1-G16-FQ-K601, General Electric Model No. 561, was showing indication of sump pamp flow although no DWFD pumps were running. Troubleshooting revealed that the integrator was functioning out of calibration tolerances and showing erromeous indications. This occurred because the integrator square root converter and flow transmitter were both functioning out of calibration tolerances, with each failure attributed to instrument drift.

The integrator square root converter, 1-G16-FY-K601, General Electric Model No. 565, and the integrator flow transmitter, 1-G16-FT-N003, General Electric Model No. 555, were calibrated along with the integrator. The integrator was then observed for proper operation and was declared operable and returned to service.

Due to several past similar events involving the drywell equipment drain and floor drain integrating systems on both Unit Nos. 1 and 2, a plant modification is being developed. The major objective of this plant modification will be to eliminate the transmitter utilized in the present integrator system and replace it with a flowmeter. It is felt this will help in the prevention of similar events. Presently a target date for installation and completion of this modification has not been established.