U.S. NUCLEAR REGULATORY COMMISSION NRC FORM 366 (7 77) LICENSEE EVENT REPORT Update Report: Previous Report Date: 2-16-82 1 ٠. (PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION) CONTROL BLOCK: (1) 0 0 0 0 0 0 0 B EI P 1 0 0 0 1 LICENSE NUMBER LICENSEE CODE CON'T REPORT (7) 0 18) L (6) 0 0 1 SOURCE DOCKET NUMBER EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10) Routine surveillance during plant operation revealed that drywell equipment drain 0 2 (DWED) flow integrator, 1-G16-FQ-K603, was continuously indicating DWED sump flow 0 3 with no DWED pumps running. The DWED flow integrator was declared inoperable in 0 4 accordance with technical specifications. At the time of this event, the drywell 0 5 floor drain flow integrator was operable showing expected indications. A similar 0 6 event was reported in LER 2-81-67. This event did not affect the health and safety 7 0 of the public. Technical Specifications 3.4.3.1b, 6.9.1.9b 0 8 9 CAUSE COMP VALVE SYSTEM CAUSE COMPONENT CODE SUBCODE CODE CODE |E (13) T (15 IE I N SI TI RU ZI CII (12 (16) 9 19 18 REVISION OCCURRENCE SEQUENTIAL REPORT CODE REPORT NO TYPE NO. EVENT YEAR LER/RO 01 17 8 2 0 0 3 REPORT 1 NUMBER COMPONENT ATTACHMENT SUBMITTED NPRD-4 PRIME COMP EFFECT ON PLANT SHUTDOWN ACTION FUTURE HOURS (22) FORM SUB. SUPPLIER MANUFACTURER TAKEN Z (21 Y (24) Y GIOI 8 0 1 E F Z (20 01 0 0 0 (23) N (25 CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27) The integrator square root converter, 1-G16-FY-K602, Model No. 565, and flow trans-0 Imitter, 1-G16-FT-N013, Model No. 555, were out of calibration, causing the erroneous flow indications. K602, N013, and K603 were calibrated and returned to service. In order to improve the reliability of K603, a modification to install a vortex type flowmeter in place of NO13 is being developed. 4 80 METHOD OF DISCOVERY FACILITY (30)DISCOVERY DESCRIPTION (32) OTHER STATUS % POWER (28) A (31) E 10 19 19 NA Operator Surveillance 80 10 CONTENT ACTIVITY LOCATION OF RELEASE (36) AMOUNT OF ACTIVITY (35 RELEASED_OF RELEASE Z (33) 2 (34) NA NA 6 45 80 PERSONNEL EXPOSURES DESCRIPTION (39) NUMBER 0 0 0 0 NA (37) Z (38)80 PERSONNEL INJURIES DESCRIPTION (41) NUMBER 0 10 NA 80 LOSS OF OR DAMAGE TO FACILITY (43) TYPE DESCRIPTION NA Z (42) 80 8210290331 821015 PUBLICITY NRC USE ONLY DESCRIPTION (45 PDR ADDCK 05000325 SSUED N (44) S PDR 16 68 69 80 (919) 457-9521 Q M. J. Pastva, Jr. PHONE: NAME OF PREPARER.

Facility: BSEP Unit No. 1

Event Date: January 18, 1982

Routine operator surveillance during plant operation revealed that the drywell equipment drain (DWED) sump flow integrator, 1-G16-FQ-K603, General Electric Model No. 561, was showing indication of sump pump flow although no DWED pumps were running. Troubleshooting revealed that the integrator was functioning out of calibration tolerances and showing erroneous 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-K602, General Electric Model No. 565, and the integrator flow transmitter, 1-G16-FT-N013, 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 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.