



LER ATTACHMENT - RO #2-82-18

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 pump flow although no DWFD 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-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 has been 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.