

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

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EVENT DESCRIPTION AND PROBABLE CONSEQUENCES (10)

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS (27)

PHONE: 919-457-9521

LER ATTACHMENT - RO #2-81-108

Facility: BSEP Unit No. 2

Event Date: 10/18/81

These events occurred when the ADS System initiation logic "A" permissive pressure switches associated with "A" and "C" RHR pumps, respectively, actuated as a result of corrosion of the instruments' internals caused by moisture intrusion into the instruments and their associated connecting terminal boxes. An inspection of the electrical conduit, fittings, and terminal boxes of these instruments revealed a lack of watertight integrity which is believed to have allowed ambient room humidity to condense and cause observed corrosion of the instruments' internals (Model No. PLH-M340SS). Following the installation of a replacement NO20A switch and cleaning of the NO20C switch, each was calibrated, checked for proper seal integrity, and returned to service, and in each case the annunciator was reset.

As a result of IE Bulletin 79-01B, plant maintenance practices were revised to ensure proper sealing of applicable plant instrumentation housing and/or gaskets by a dedicated plant group. It is felt this will help in the prevention of future similar events.