

(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 #2-82-92

Facility: BSEP Unit No. 2

Event Date: 7/5/82

During the ongoing 1982 refueling outage, the reactor coolant chloride concentration exceeded technical specifications of less than 0.2 ppm with a measured maximum value of 0.2 ppm.

This event occurred because high chloride content water, originating in the suppression pool was introduced to the reactor inventory. Prior to this event, a portion of the suppression pool inventory was pumped to the Radwaste System. This was performed using the B RHR Subsystem. After completion of the pumping operation, the B RHR Subsystem was then placed into the shutdown cooling mode of operation. However, residual water from the suppression pool pumping operation, contained in the subsystem suction piping, was then introduced into the reactor resulting in the exceeded chloride specification.

In order to return the reactor inventory chloride concentration to within specifications, approximately 18,000 gallons of demineralized water was added to the reactor inventory. The total time the specification was exceeded, from the time of initial discovery until reactor coolant analysis verified it less than .2 ppm, was 6 hours and 6 minutes.