

LICENSEE EVENT REPORT

CONTROL BLOCK:

(PLEASE PRINT OR TYPE ALL REQUIRED INFORMATION)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

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REPORT SOURCE

2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

EVENT DESCRIPTION AND PROBABLE CONSEQUENCES

1 On May 23, 1979, while shutdown for anchor bolt inspection and repair, it was discovered that the following valves which were originally judged to have acceptable leak rate values per Tech. Spec. 3.6.1.2 and Appendix J to 10CFR50 (based on overall leakage) when tested per HNP-2-3952, did not meet the individual valve leak rate criteria per ASME Code, Section XI, part IWP: feedwater check valve 2B21-F010B; and RHR pump suction valves 2E11-F004B, 2E11-F004C, and 2E11-F004D.

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

CAUSE DESCRIPTION AND CORRECTIVE ACTIONS

1 It was originally interpreted that the ASME acceptance criteria did not go into effect until commercial operation; however, the interpretation that it took effect with issuance of the operating license (6-13-78) caused the above valves to not meet the ASME criteria. Following the event, a review of the ASME acceptance criteria was made by the licensee and Southern Company Services, Inc. (continued)

1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59 60

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Cause Description and Corrective Action (continued)

This review showed that the acceptance criteria as specified in the Long Term Inservice Inspection Pump and Valve Test Plan (based on the suggested values in Table IWV-3420-1 of ASME Section XI, part IWV) are too stringent to be realistically used. This prompted the licensee and Southern Company Services, Inc. to develop a new set of acceptance criteria (as permitted by ASME Section XI, part IWV, paragraph IWV-3420, (f)). This new set of acceptance criteria was then reviewed by the Plant Review Board and approved for replacing the old ones in the Pump and Valve Test Plan.

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NARRATIVE SUMMARY

On May 23, 1979, while shutdown for anchor bolt inspection and repair, it was discovered that the following valves which were originally judged to have acceptable leak rate values per Tech. Spec. 3.6.1.2 and Appendix J to 10CFR50 (based on overall leakage and concerned with limiting release to public) when tested per HNP-2-3952, did not meet the individual valve leak rate criteria per ASME Code, Section XI, part IWV: feedwater check valve 2B21-F010B; and RHR pump suction valves 2E11-F004B, 2E11-F004C, and 2E11-F004D.

It was originally interpreted that the ASME acceptance criteria did not go into effect until commercial operation; however, the interpretation that it took effect with issuance of the operating license (6-13-78) meant that any valves tested after 6-13-78 had to meet the ASME acceptance criteria. The above listed valves were all tested after 6-13-78, and the leakage value for each exceeded the ASME acceptance criteria as specified in the HNP-2 Long Term Inservice Inspection, thus the ASME acceptance criteria was not met.

Following the discovery that the valve leak rates had exceeded the ASME leak rate acceptance criteria, a review of the acceptance criteria was made by the licensee and Southern Company Services, Inc. This review showed that the acceptance criteria as specified in the HNP-2 Long Term Inservice Inspection Pump and Valve Test Plan (based on the suggested leak rate values in Table IWV-3420-1 of ASME Section XI, Part IWV) are too stringent to be realistically used. This prompted the licensee and SCS to develop a new set of acceptance criteria (as permitted by ASME Section XI, part IWV, paragraph IWV-3420, (f)). Using the concept that the purpose of the ASME testing is to detect valve degradation, the licensee and SCS were able to prepare new acceptance criteria that would satisfy both the ASME and the Tech. Spec. and Appendix J testing considerations. This new set of acceptance criteria was then reviewed by the Plant Review Board and was approved for the replacement of the old acceptance criteria in the Pump and Valve Test Plan.

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