

WESTINGHOUSE PWR VESSEL INTEGRITY

I. ANALYSES PERFORMED

1. LARGE STEAM LINE BREAK
2. LARGE LOCA
3. SMALL LOCA

II. UTILIZING THE RESULTS OF THESE ANALYSES THE FOLLOWING STATEMENT CAN BE MADE

ALL PLANTS ARE ACCEPTABLE THROUGH AT LEAST THE END OF 1982 AND MOST OPERATING PLANTS, IF NOT ALL OPERATING PLANTS, COULD BE DEMONSTRATED TO HAVE ACCEPTABLE LIFETIMES SIGNIFICANTLY IN EXCESS OF THE END OF 1982.

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CONSIDERATION OF THE RANCHO-SECO OCCURRENCE (3/78)

- I. OPERATIONAL EVENTS SUCH AS EXCESSIVE FEEDWATER ADDITION IN WESTINGHOUSE PWRs DO NOT RESULT IN ANY SIGNIFICANT THERMAL SHOCK CONCERNS
 - A W PWR HAS A LARGE SYSTEM THERMAL INERTIA.
 - THE RANCHO-SECO OCCURRENCE IS AN EXAMPLE OF SUCH AN EXCESSIVE FEEDWATER ADDITION EVENT.
- II. IN A W PWR, THE RANCHO-SECO RCS PRESSURE AND TEMPERATURE TRANSIENT WOULD BE SIMILAR TO A SMALL STEAM LINE BREAK ACCIDENT,
 - THE SMALL STEAM LINE BREAK VESSEL INTEGRITY RESULT IS BOUNDED BY THE LARGE STEAM LINE BREAK ACCIDENT THE RESULTS OF WHICH WERE PREVIOUSLY DISCUSSED.
 - THIS WAS DEMONSTRATED BY ANALYSIS WHICH ARBITRARILY APPLIED THE RANCHO-SECO RCS TRANSIENT.