

ENCLOSURE

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2
INCORRECT ANALYSIS OF PIPING SYSTEMS
OVER THE OPERATING TEMPERATURE RANGE
NCR CEB 79-12
FIRST INTERIM REPORT

Description of Condition

TVA has discovered that several piping systems, required to operate at temperatures below ambient, may not have been analyzed for a thermal range condition as defined in the ASME code. The ASME code requires piping to be analyzed from the maximum temperature to the minimum temperature. However, TVA may have analyzed the piping systems from ambient to maximum and from ambient to minimum. The number of systems affected by this condition will not be known until a reanalysis is completed.

Safety Implication

As a result of this incorrect analysis, thermal fatigue may not have been properly accounted for. This could have led to overstressing of safety-related piping.

Corrective Action

TVA is reanalyzing all systems which are subject to temperatures below ambient, according to the ASME code requirements.



7905140504

5