

WATTS BAR NUCLEAR PLANT UNITS 1 AND 2  
SEISMIC PIPE SUPPORTS  
NCR 2019R  
10 CFR 50.55(e)  
FINAL REPORT

Description of Condition

During a training session for new field inspectors, a number of documented seismic supports were inspected. Each support was found to have one or more of the following type defects: Poor welds, undersized welds, lack of locking device on threaded connection, improper construction, improper tolerances, and unacceptable cleanliness level.

Safety Implications

Failure to properly install seismic supports could lead to failure of safety systems during the SSE. Failure of these systems would prevent bringing the plant to a safe shutdown condition.

Corrective Actions

TVA has:

1. Modified the procedure used to inspect seismic pipe supports so that it will concisely identify the required inspections and adequately describe the acceptance criteria for each inspection
2. Certified the inspection employees to each of the required inspections
3. Started implementing a program to review all previously documented inspections and reinspect supports as applicable in accordance with modified procedure. All areas of noncompliance will be reworked to bring them into compliance with acceptable criteria.