

ATTACHMENT, PAGE 1 of 1
SURRY POWER STATION, UNIT 1
DOCKET NO: 50-280; 50-281
REPORT NO: 80-014/01T-0
EVENT DATE: 3-20-80
TITLE OF EVENT: CONTROL ROD MECHANISM POSSIBLE DEFECT

1. DESCRIPTION OF EVENT:

Westinghouse has provided information on the stress corrosion cracking of control rod support pins and flexures in an operating PWR plant in a foreign country. Although Westinghouse stated there is no safety issue in domestic operating plants, they reported the event to the NRC under Title 10 CFR part 21. In so much as the control rod operations could be adversely effected should a broken pin be experienced, the event is reported in accordance with T.S.6.6.2.A.5.

2. PROBABLE CONSEQUENCES AND STATUS OF REDUNDANT SYSTEM:

Westinghouse has stated that no known cracking of support pins or flexures has been discovered in domestic plants and that on going testing efforts will provide information giving further assurance that this situation will not be a concern for any Westinghouse plant. Under these circumstances the health and safety of the public were not affected.

3. CAUSE:

The failure of Westinghouse supplied support pins noted to date has been limited to pins with solution heat treatment at 1625°F. It should be noted that the present process for solution heat treatment (in the range of 1950°F to 2000°F) gives little indication of potential stress corrosion cracking.

4. IMMEDIATE CORRECTIVE ACTION:

Westinghouse has proposed a support pin inspection program and has recommended no licensee action be taken by Non UHI plants until the results have been concluded.

5. SCHEDULED CORRECTIVE ACTION:

Based upon the conclusion of the Westinghouse testing and assessment program, the licensee will take appropriate measures to assure the reliability of this system.

6. ACTION TAKEN TO PREVENT RECURRENCE:

None

7. GENERIC IMPLICATIONS:

At this time this event is not considered generic. Past inspections by Westinghouse have revealed no material failures in the pins or flexures of domestic plants, however, they are pursuing a further inspection program to determine more fully the reliability of the parts used.