



Surry Power Station, Unit 1  
Docket No.: 50-280  
Report No.: 79-023/01T-0  
Event Date: 6-22-79

Attachment page 1 of 1

Title: Cracking in Steam Generator Feedwater Nozzles and Reducers

1. Description of Event:

Radiography of Surry Unit 1 Steam Generator Feedwater Nozzles and Reducers revealed circumferential crack indications in the base metal at the nozzle to reducer counterbore regions of all three steam generators. One weld metal crack was also revealed. Unit 1 is at cold shutdown, Unit 2 is defueled. The health and safety of the general public were not affected. This event is reportable per Technical Specification 6.6.2.a.9.

2. Probable Consequences and Status of Redundant Systems:

Since the defects were discovered with both units shutdown, and any necessary repairs will be made prior to unit operation, there are no consequences from this event.

3. Cause of Event:

The cause of these cracks is undetermined at this time.

4. Immediate Corrective Action:

The immediate corrective action was to submit a station deviation report and contact Westinghouse to determine necessary corrective actions.

5. Subsequent Corrective Action:

Replacement reducers have been ordered. Vepco and Westinghouse are continuing to evaluate required corrective measures.

6. Actions Taken to Prevent Recurrence:

Actions necessary to prevent recurrence are being evaluated at this time.

7. Generic Implications:

This problem may be generic to all PWR's.