

*Central File*

USNRC REGION II  
VIRGINIA ELECTRIC AND POWER COMPANY  
RICHMOND, VIRGINIA 23261

80 APR 1 P 1:27

March 27, 1980

Mr. James P. O'Reilly, Director  
Office of Inspection and Enforcement  
Region II  
U. S. Nuclear Regulatory Commission  
101 Marietta Street, Suite 3100  
Atlanta, Georgia 30303

Serial No. 283  
PO/FHT:baw  
Docket Nos: 50-280  
50-281  
License Nos: DPR-32  
DPR-37

Dear Mr. O'Reilly:

IE Bulletin 79-17, Revision 1, Inspection Report  
Surry Power Station Units 1 and 2

In response to the subject bulletin, "Pipe Cracks in Stagnant Borated Water Systems at PWR Plants," we are providing the following inspection results to supplement our earlier responses referenced below:

References

1. Letter Serial No. 622A, dated August 30, 1979  
- Response to bulletin items 1.a. through 1.d.
2. Letter Serial No. 622B, dated October 8, 1979  
- Inspection deferral request pending issuance of IEB 79-17 Revision 1
3. Letter Serial No. 913/102979, dated November 27, 1979  
- Supplemental response concerning the definition of "stagnant" and providing schedule of proposed inspections.
4. Letter Serial No. 622D, dated December 27, 1979  
- Response to bulletin item 2.a., monthly visual inspection of accessible welds in affected systems.
5. Letter Serial No. 085, dated February 6, 1980  
- Updated report of monthly visual examinations of accessible welds.

Inspection Description

Visual, liquid penetrant and ultrasonic examinations of selected welds in systems identified in reference 1 were performed in response to bulletin item 2. In all cases, nondestructive examination personnel were qualified in accordance with SNT-TC-1A, Levels I or II, as appropriate.

The ultrasonic and associated visual examinations of full penetration butt-welds were performed by Westinghouse Nuclear Service Division, Inspection Service. The ultrasonic examination procedure utilized was specially developed for detecting the presence of intergranular corrosion.

8004240509

OFFICIAL COPY

The liquid penetrant and associated visual examinations of socket and Speedline welded systems were performed by VEPCO, utilizing procedures from our Nondestructive Testing Manual.

In both groups of examinations described above, at least ten (10) percent of the welds in affected systems were inspected. No supplemental techniques (e.g., radiography) were required.

### Inspection Results

No reportable indications were noted during the nondestructive examinations conducted in response to IE Bulletin 79-17, Revision 1. A summary of the inspections performed is given here:

	Total Welds in Normally Accessible Systems	Number of Welds Examined	Percent of Total Welds Examined
<u>UNIT 1</u>			
UT and Visual	614	97	15.8
PT and Visual	326	66	20.2
<u>UNIT 2</u>			
UT and Visual	613	109	17.8
PT and Visual	214	36	16.8

### SUMMARY

No adverse plant conditions related to intergranular stress corrosion cracking were detected during the evaluations conducted as required by IE Bulletin 79-17, Revision 1. Accordingly, no modifications to Surry Power Station or to plant operating procedures, as a result of the bulletin, are anticipated.

If you have any questions or require additional information, please contact this office.

Very truly yours,

*C. M. Stallings*

C. M. Stallings  
Vice President-Power Supply  
and Production Operations

cc: Director, Division of Operating Reactors  
Office of Inspection and Enforcement  
U. S. Nuclear Regulatory Commission