

Certified By Mal

## PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM ATOMIC POWER STATION

R. D. 1, BOX 288

DELTA, PENNSYLVANIA 17214

May 6, 1983

Mr. James M. Allan  
Acting Administrator  
Region I  
Office of Inspection and Enforcement  
U.S. Nuclear Regulatory Commission  
631 Park Avenue  
King of Prussia, PA 19406

SUBJECT: REPORTABLE OCCURRENCE - PROMPT NOTIFICATION

Confirming D. C. Smith's conversation with R. Blough, Region I,  
United States Nuclear Regulatory Commission on 5/6/83.

Reference: Docket No. 50-277  
Peach Bottom Unit 2  
Technical Specification 3.6.6

Report No. 2-83-11/1P  
Occurrence Date: 5-6-83

Identification of Occurrence:

Analysis of ultrasonic testing data indicates the presence of a crack like indication in the RHR shutdown cooling suction line. This indication is located in the heat effected zone of the pipe side of pipe to elbow weld 10-0-6. One circumferential indication approximately two inches long has been identified. At this time the indication appears to be about 40% of the thickness of the pipe wall.

Conditions Prior to Occurrence:

Unit 2 has been shut down since May 3, 1983 for minor maintenance. The shutdown was initiated by a valve packing leak in the drywell.

Apparent Cause of Occurrence:

The preliminary analysis of the data shows a pattern typical of intergranular stress corrosion cracking.

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Analysis of Occurrence:

During the outage, a decision was made to examine the three welds on Unit 2 that correspond to the welds on Unit 3 that indicated the presence of IGSCC. One recirculation system vertical pipe riser to elbow weld in each Unit 2 recirculation loop was examined, and no reportable indications were found. The third weld examined was in the RHR suction line, where the indication noted above was found.

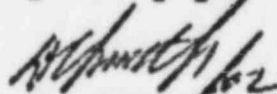
Corrective Action:

At this time a crack analysis program is being pursued to determine what the appropriate corrective action should be.

Previous Occurrence:

3-83-12/1P

Very truly yours,



R. S. Fleischmann  
Station Superintendent

RSF/DCS:1hd