

Certified By *MAA*

PHILADELPHIA ELECTRIC COMPANY

PEACH BOTTOM ATOMIC POWER STATION

R. D. 1, BOX 208

DELTA, PENNSYLVANIA 17314

April 26, 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 E. B. McCabe, Region I,
United States Nuclear Regulatory Commission on 4/25/83.

Reference: Docket No. 50-278
Peach Bottom Unit 3
Technical Specification 3.6.G

Report No. 3-83-12/1P
Occurrence Date: 4/25/83

Identification of Occurrence:

On 4/25/83, analysis of radiographs and ultrasonic testing data indicated the presence of four crack like indications in the 'G' reactor recirculation system riser of the 'A' loop. These indications are all located in the heat effected zone of the elbow between the horizontal header tee connection and the reactor vessel nozzle. Three axial indications approximately one inch long and one circumferential indication also approximately one inch long were identified. None of these indications are through wall. At this time the exact depth is yet to be determined.

Conditions Prior to Occurrence:

Unit 3 has been shut down since February 14, 1983 for its fifth refueling outage.

Apparent Cause of Occurrence:

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

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Analysis of Occurrence:

At this time eight of ten welds in the 'A' reactor recirculation loop have been examined with radiography and ten of ten welds have been examined using ultrasonic testing techniques. At this time none of the welds on the 'B' loop risers have been inspected.

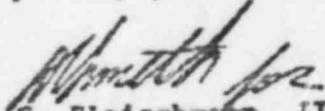
Corrective Action:

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

Previous Occurrence:

None

Very truly yours,


R. S. Fleischmann, II
Station Superintendent