

PRIORITY ATTENTION REQUIRED MORNING REPORT - REGION I OCTOBER 7, 1993

Licensee/Facility:

Notification:

Philadelphia Electric Co.
Peach Bottom 2 3
Philadelphia, Pennsylvania

MR Number: 1-93-0100
Date: 10/07/93
SRI PC

Dockets: 50-277,50-278
BWR/GE-4,BWR/GE-4

Subject: CRACKING FOUND ON PEACH BOTTOM UNIT 3 CORE SHROUD

Reportable Event Number: N/A

Discussion:

Between October 2 and 3, 1993, and while in its ninth refueling outage, PECO identified two cracks in the Peach Bottom Unit 3 core shroud. PECO inspected three of eight locations on the shroud as part of a weld inspection prompted by the shroud cracking problems identified at the Brunswick facility. The cracks were found at two locations along a single weld (H-4) between the top guide support ring and core plate support ring which is located in the "heat effected zone" of the shroud. The welds along the top guide support ring (H-3) were also inspected at the time with no flaws indicated. The cracks run axially and circumferentially, with the longest crack measuring about 10 inches in length. Crack depth is unknown. PECO has expanded the scope of their weld inspection to include a complete inspection of the H-4 and H-3 welds and a sample of other related welds. The data collected will determine PECO's corrective actions.

Some differences between Peach Bottom's (PB's) shroud versus Brunswick's include: PB's manufactured in Holland vice the United States; PB's support rings are forgings vice welded plate support rings; and the shroud area between the top guide and core plate at PB has one weld (H-4) vice two welds at Brunswick (H-4 and H-5).

PECo is performing a flaw analysis for the shroud to determine the critical crack size and is aggressively working with General Electric to determine the extent of further investigation and corrective actions.

Peach Bottom Unit 2 is presently shut down for the resolution of valve yoke cracking problems identified last week (reference MR 1-93-0099). Unit 2 will remain shut down pending PECO's analysis of the generic implications of the Unit 3 shroud cracks.

Regional Action:

The resident and Regional staffs are monitoring licensee activities.

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