



PECO ENERGY

PECO Energy Company
Nuclear Group Headquarters
965 Chesterbrook Boulevard
Wayne, PA 19087-5691

October 17, 1994

Docket No. 50-277

License No. DPR-44

U. S. Nuclear Regulatory Commission
Attn: Document Control Desk
Washington, DC 20555

Subject: Peach Bottom Atomic Power Station, Unit 2
Summary of Core Shroud Inspection
Preliminary Results

Dear Sir:

In our letters from G. A. Hunger, Jr. (PECO Energy Company) to U. S. Nuclear Regulatory Commission (USNRC), dated September 16, 1994 and September 26, 1994, PECO Energy Company provided inspection plans for the Peach Bottom Atomic Power Station (PBAPS), Unit 2 core shroud. These plans were submitted in accordance with Generic Letter (GL) 94-03, "Intergranular Stress Corrosion Cracking of Core Shrouds in Boiling Water Reactors." A final summary report, as requested by the GL, will be provided by November 7, 1994. The purpose of this letter is to voluntarily submit the preliminary results of the inspections and our preliminary evaluation of the results.

A baseline ultrasonic examination was performed on all accessible portions of welds H-1 through H-7 utilizing the General Electric OD Tracker and the General Electric Suction Cup Scanners. The accessible portions of weld length for inspection exceeded our initial plan with the exception of the H-1 weld. Approximately 200 degrees of the H-1 weld circumference was accessible versus the expected 280 degrees due to physical obstructions in the reactor pressure vessel annulus.

The overall results of the inspection revealed a minimal amount of flaws. Less than 5% of the examined weld length was found to contain flaws.

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1/0 Add: Dan Burkman Ltr

October 17, 1994

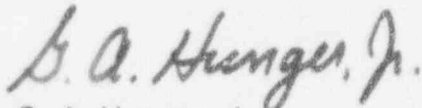
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The evaluation of results was performed following the approach outlined in the "BWR Core Shroud Inspection and Evaluation Guidelines," GENE-523-113-0894, dated September 1994. This evaluation, based on the examination data, concludes that there is a substantial margin for each of these welds under conservative, bounding conditions to allow for continued operation of PBAPS, Unit 2. The analyses performed included limit load techniques under bounding design basis conditions, and linear elastic fracture mechanics (LEFM) techniques for the postulated highest fluence welds.

Since the evaluation of inspection results satisfactorily demonstrates structural integrity of the core shroud, a repair will not be performed on PBAPS, Unit 2.

If you have any questions, please contact us.

Very truly yours,

A handwritten signature in cursive script that reads "G. A. Hunger, Jr.".

G. A. Hunger, Jr.,
Director - Licensing

cc: T. T. Martin, Administrator, Region I, USNRC
W. L. Schmidt, USNRC Senior Resident Inspector, PBAPS