U.S. NUCLEAR REGULATORY COMMISSION
OFFICE OF INSPECTION AND ENFORCEMENT

Region I

Report No. 50-318/79-18

Docket No. 50-318

License No. DPR-69 Priority -- Category C

Licensee: Baltimore Gas and Electric Company

P. O. Box 1475

Baltimore, Maryland 21203

Facility Name: Calvert Cliffs, Unit 2

Inspection at: Lusby, Maryland

Inspection conducted: November 8-9, 1979

Inspectors: for G. A. Walton, Reactor Inspector — 12/12/79 date signed

_____ — date signed

_____ — date signed

Approved by: L. E. Tripp, Chief, Engineering Support Section No. 1, RC&ES Branch — 12/12/79 date signed

Inspection Summary:
Inspection on November 8-9, 1979 (Report No. 50-318/79-18)
Areas Inspected: Routine, unannounced inspection of inservice inspection activities. The inspection involved 12 inspector-hours onsite by one NRC inspector.
Results: No items of noncompliance were identified.

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Region I Form 12
(Rev. April 77)

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DETAILS

1. Persons Contacted

Baltimore Gas and Electric Company

B. Denton, Operations Engineer
*L. Russell, Plant Engineer
W. Gibson, Nuclear Plant Engineering Performance
*T. Snydnor, ISI Coordinator

Southwest Research Institute

T. Mayeux, Senior Technician

2. Inservice Inspection Activities

The inspector audited the following activities related to inservice inspection.

a. Eddy Current Inspection of Steam Generator Tubes

The licensee had completed the eddy current examination of 6 percent of steam generator number 21. The data analysis by a qualified interpeter from Ietec Inc., indicated no tubes required plugging. Essentially, no evidence of tube wastage was detected. The examinations were done in accordance with BG&E procedure NDE-5.500, dated August 28, 1978. The data was evaluated in accordance with regulatory guide 1.83 and the Facility Technical Specification.

No items of noncompliance were identified.

b. Data Review and Evaluation

The inspector selected the following items for review:

Reactor Pressure Vessel

- 7.5", Longitudinal Weld - Lower Head - 1-204A, 1-204F
- 1-19 Holes, Circumferential Welds - Flange to Upper Shell Outlet Nozzle 180°
- Nozzle Inside Radius

- 10" Closure Head - Meridional Weld
- 180" Closure Head - Circumferential Weld

Pressurizer

- 15.5" Longitudinal Weld 2-401A

Steam Generator No. 21

- Extension Ring Longitudinal Weld 21-104-05A, 21-104-05B, 21-104-05C

Reactor Coolant Pipe

- Nozzle to Transition Piece 42-RC-21-1, 2

Class 2, Steam Generator No. 21

- Deflector Assembly To Upper Head Dome, 19" length

Class 2 Piping

- Main Steam - Branch Connection 36-MS-2001, 30.5" length

The inspector audited the preliminary data identified above to ascertain: (1) performance of examinations by properly certified personnel; (2) equipment calibration performed periodically; (3) use of specified equipment; (4) recorded test data sufficient to provide basis for evaluation; and, (5) evaluation and dispositioning of examination findings.

No items of noncompliance with regulatory requirements were identified.

c. Personnel Qualification Records

The inspector audited qualification records of six nondestructive examination personnel performing examinations during the current outage. The records identified the discipline in which the individual had been certified. Additionally, these records indicated the level of expertise to which the individuals were qualified. Also, physical examination records indicated when visual aids were required. No departures from SNT-TC-1A were identified.

No items of noncompliance with regulatory requirements were identified.

3. Steam Generator Feedwater Nozzles

The licensee has completed the radiography of the main and auxiliary feedwater to pipe welds as required by IE Bulletin 79-13 on both Units 1 and 2. The inspector reviewed the radiographic procedure, NDE 5-300, Revision 2, and the radiographic film to ascertain compliance with the bulletin. The welds were examined by radiography using a thru-wall technique, film side penetrameter, 16 inch source to film distance, 95 curies of Iridium-192. The 2T hole was visible on each film, and the densities were in an acceptable range.

The inspector reviewed all film from Unit 1 and 2 and no unacceptable defects were noted.

No items of noncompliance were identified.

4. Exit Interview

The inspector met with the licensee representatives shown with an asterick in Paragraph 1 at the conclusion of the inspection on November 9, 1979. The inspector summarized the scope and findings of the inspection as described in this report.