

U. S. NUCLEAR REGULATORY COMMISSION  
Region I

Report No. 50-317/82-19

Docket No. 50-317

License No. DPR-53 Priority -- Category C

Licensee: Baltimore Gas and Electric Company

P. O. Box 1475

Baltimore, Maryland 21203

Facility Name: Calvert Cliffs, Unit 1

Inspection At: Lusby, Maryland

Inspection Conducted: July 13-16, 1982

Inspectors: Robert A. McBrearty  
Robert A. McBrearty, Reactor Inspector

8/2/82  
date signed

Approved By: J. P. Durr  
J. P. Durr, Chief, Materials and Processes  
Section

date signed  
8/2/82  
date signed

Inspection Summary: Inspection on July 13-16, 1982 (Report No. 50-317/82-19)

Areas Inspected: Routine, announced inspection of inservice inspection data and licensee action on previous inspection findings. The inspection involved 28 inspection hours onsite by one NRC regional based inspector.

Results: No violations were identified.

## DETAILS

### 1. Persons Contacted

#### Baltimore Gas and Electric Company (BG&E)

- \*R. E. Denton, General Supervisor - Training and Technical Services
- \*K. Hoffman, ISI
- \*D. W. Latham, Principal Engineer, Operational Licensing and Safety
- \*B. C. Rudell, ISI Engineer
- \*L. B. Russell, Plant Superintendent

#### Southwest Research Institute (SwRI)

- J. Godwin, NDE Level III (telephone contact)
- J. R. Ingamels, Inspection Engineer (telephone contact)

\*denotes those present at the exit interview on July 16, 1982.

### 2. Licensee Action on Previous Inspection Findings

(Open) Unresolved Item (317/80-21-03): Adequacy of magnetic particle examination of reactor pressure vessel closure nuts. The governing NDE procedure does not describe the magnetic yoke leg placement on the part or the distance between the yoke legs. In addition, the inspector noted that the procedure does not require examination of the closure nut threaded surface and that surface was excluded from the examination of closure nuts during the recent outage.

This item remains open pending licensee action with respect to the above and subsequent NRC review of such action.

### 3. Inservice Inspection (ISI) Data Review and Evaluation

Examination data from the 1982 refueling outage were reviewed to ascertain compliance with the applicable ASME code requirements and the ISI program plan for the 1982 outage.

The program plan was developed and the examinations were done by SwRI, the licensee's ISI contractor.

Examination summary record sheets and associated examination record sheets for the following were included in the inspector's review:

#### . Reactor Coolant System

- Weld number 30-RC-11A-10, safe end to pipe
- Weld number 30-RC-12B-10, safe end to pipe

- . Reactor Pressure Vessel Closure Head
  - Meridional weld number 1-209 A, B, E, F
  - Circumferential weld number 6-209A
- . Reactor Pressure Vessel Closure Studs and Nuts
  - Closure studs number 37 thru 54
  - Closure nuts number 37 thru 54
- . Pressurizer
  - Lower shell weld number 2-401 C, D
- . Pressurizer Surge Line
  - Weld number 12 PSL-1, nozzle to safe end

The record of examinations performed on the reactor coolant system welds indicate that the ultrasonic examination requirements were not completed. The scans from the safe end side of each weld were not done and the 0° weld scan on 30-RC-11A10 was not done. The reasons were not clear why the requirements were not met. The matter was discussed with the licensee who will request clarifying information from his ISI contractor.

In addition to the above, the inspector reviewed selected customer notification forms (CNF) submitted by SwRI to the licensee. The forms are used by SwRI to advise the licensee of reportable conditions detected during the course of examinations by SwRI. The review was done to ascertain that reportable conditions were properly dispositioned.

The following were reviewed:

- . CNF 82-1-001 regarding a "crack-like" ultrasonic indication in reactor coolant pump (RCP) 11B nut #2 thread root. The nut was replaced.
- . CNF 82-1-003 regarding RCP 11A stud #4 which displayed a "crack-like" ultrasonic indication in the threaded section at the bottom of the closure nut. The stud was replaced.
- . CNF 82-1-004 regarding an ultrasonic indication detected in RCP 11B support lug. The indication was compared with baseline data and deemed acceptable.
- . CNF 82-1-006 regarding a linear magnetic particle indication detected in RPV closure nut #42. The source of the indication was removed by surface grinding. The nut was found acceptable based on reexamination after grinding.

No violations were identified.

4. Exit Interview

The inspector met with the licensee representatives (denoted in paragraph 1) at the conclusion of the inspection on July 16, 1982. The inspector summarized the purpose and the scope of the inspection and the findings. In addition to those denoted in Paragraph 1, the NRC resident inspector, Mr. Ralph Architzel, attended the exit meeting.