UNITED STATES NUCLEAR REGULATORY COMMISSION

BALTIMORE GAS AND ELECTRIC COMPANY

DOCKET NO. 50-317

NOTICE OF ENVIRONMENTAL ASSESSMENT AND FINDING OF NO SIGNIFICANT IMPACT

The U. S. Nuclear Regulatory Commission (the Commission) is considering the granting of relief from certain requirements of the ASME Code, Section XI, "Rules for Inservice Inspection of Nuclear Power Plant Components" to Baltimore Gas and Electric Company (the licensee), which would revise the inservice inspection program for Calvert Cliffs Nuclear Power Plant, Unit No. 1. The ASME Code requirements are incorporated by reference into the Commission's rules and regulations in 10 CFR Part 50.

ENVIRONMENTAL ASSESSMENT

Identification of Proposed Action:

The 1974 Edition of Section XI of the ASME Boiler and Pressure Vessel Code defines the inservice inspection (ISI) interval as the ten year period of time, in calendar years, commencing with the date of commercial operation of a facility. For Calvert Cliffs Unit 1, the date of commercial operation was May 8, 1975 and therefore the inservice inspection interval ends on May 7, 1985. By letter dated March 6, 1984, Baltimore Gas and Electric Company, the licensee, requested to extend the inspection interval for Unit 1 to April 1, 1987 in order that both Calvert Cliffs units could begin the second ten-year inservice inspection interval on the same date.

The Need for the Proposed Action:

The granting of relief from the ISI interval requirements for Unit 1 would allow the licensee to update the Unit 1 and Unit 2 ISI programs to the same edition of the ASME Code, Section XI, and Addenda.

Environmental Impacts of the Proposed Action:

Our evaluation of the proposed request for relief from the ASME Code requirements indicates that the relief will not, in any way, reduce the integrity of safety systems. Accordingly, post-accident radiological releases will not be greater than previously determined nor does the proposed relief otherwise affect radiological plant effluents, and there is no significant increase in occupational exposures. Therefore, the Commission concludes that there are no significant radiological environmental impacts associated with this proposed relief.

With regard to potential non-radiological impacts, the proposed relief involves systems located entirely within the restricted area as defined in 10 CFR Part 20. It does not affect non-radiological plant effluents and has no other environmental impact. Therefore, the Commission concludes that there are no significant non-radiological environmental impacts associated with the proposed relief.

Alternative to the Proposed Action:

Since we have concluded that there is no measurable environmental impact associated with the proposed relief from the requirements of the ASME Code, any alternatives to this relief will have either no environmental impact or greater environmental impact.

The principal alternative would be to deny the requested relief. This would not reduce the environmental impacts of plant operation and would result in the duplication of procedures and the attendant difficulty of maintaining the Unit 1 and Unit 2 ISI programs in compliance with different editions of Section XI of the ASME Code.

Alternative Use of Resources:

This action does not involve the use of resources not previously considered in connection with the "Final Environmental Statement Relating to Operation of Calvert Cliffs Nuclear Power Plant Units 1 and 2" dated April 1973.

Agencies and Persons Consulted:

The NRC staff reviewed the licensee's request and did not consult other agencies or persons.

FINDING OF NO SIGNIFICANT IMPACT

The Commission has determined not to prepare an environmental impact statement for the proposed relief.

Based upon the foregoing environmental assessment, we conclude that the proposed action will not have a significant effect on the quality of the human environment.

For further details with respect to this action, see the application for relief dated March 6, 1984, which is available for public inspection at the Commission's Public Document Room, 1717 H Street, N.W., Washington, D.C., and at the Calvert County Library, Prince Frederick, Maryland.

Dated at Bethesda, Maryland this 19th day of August, 1984.

FOR THE NUCLEAR REGULATORY COMMISSION

Darrell G. Eisenhut, Director
Division of Licensing
Office of Nuclear Reactor Regulation

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