



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20555

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NOS. 99 AND 81

TO FACILITY OPERATING LICENSE NOS. DPR-53 AND DPR-69

BALTIMORE GAS AND ELECTRIC COMPANY

CALVERT CLIFFS NUCLEAR POWER PLANT, UNIT NOS. 1 AND 2

DOCKET NOS. 50-317 AND 50-318

INTRODUCTION AND BACKGROUND

In November 1980, the staff issued NUREG-0737, "Clarification of TMI Action Plan Requirements," which included all TMI Action Plan items approved by the Commission for implementation at nuclear power reactors. NUREG-0737 identifies those items for which Technical Specifications are required. A number of items which require Technical Specifications (TS) were scheduled for implementation after December 31, 1981. The staff provided guidance on the scope of TS for all of these items in Generic Letter 83-37. Generic Letter 83-37 was issued to all Pressurized Water Reactor (PWR) licensees on November 1, 1983. In this Generic Letter, the staff requested licensees to: (1) review their facility's TS to determine if they were consistent with the guidance provided in the Generic Letter, and (2) submit an application for a license amendment where deviations or absence of TS were found.

By applications dated April 9 and June 29, 1984, Baltimore Gas and Electric Company (the licensee) responded to Generic Letter 83-37 by submitting TS change requests for Calvert Cliffs Units 1 and 2. This evaluation covers proposed TS for the following TMI Action Plan items:

1. Post-Accident Sampling System (II.B.3)
2. Noble Gas Effluent Monitors (II.F.1.1)
3. Sampling and Analysis of Plant Effluents (II.F.1.2)
4. Containment High-Range Radiation Monitor (II.F.1.3)

With issuance of this safety evaluation, action has now been taken on all items associated with the April 9, 1984 application for license amendment; Change No. 2 of the June 29, 1984 application is still under consideration.

EVALUATION

1. Post-Accident Sampling System (II.B.3)

The guidance provided by Generic Letter 83-37 requested that an administrative program should be established, implemented and maintained to ensure that the licensee has the capability to obtain and analyze reactor coolant and containment atmosphere samples under accident conditions.

The licensee has proposed the TS for Post-Accident Sampling System which will require the licensee to take appropriate actions for returning inoperable instrumentation to operable status as soon as practicable. The proposed TS meet the intent of the guidance provided in Generic Letter 83-37. Therefore, the staff finds the proposed TS to be acceptable.

2. Noble Gas Effluent Monitors (II.F.1.1)

The licensee has supplemented the existing normal range monitors to provide noble gas monitoring in accordance with Item II.F.1.1. The licensee has proposed to perform a channel check which may be performed by a visual check of the instrumentation to ensure the operability of the instrument. The proposed TS are consistent with the guidelines contained in our Generic Letter 83-37. Therefore, we conclude that the TS for Item II.F.1.1 are acceptable.

3. Sampling and Analysis of Plant Effluents (II.F.1.2)

The guidance provided by Generic Letter 83-37 requested that an administrative program should be established, implemented and maintained to ensure the capability to collect and analyze or measure representative samples of radioactive iodines and particulates in plant gaseous effluents during and following an accident. The licensee has proposed TS that will require the licensee to take appropriate actions to ensure that above capability is maintained. The proposed TS meet the intent of our guidelines contained in Generic Letter 83-37. We conclude that the TS for sampling and analysis of plant effluents are acceptable.

4. Containment High-Range Radiation Monitor (II.F.1.3)

The licensee has installed two in-containment monitors in Calvert Cliffs Units that are consistent with the guidance of TMI Action Plan Item II.F.1.3. Generic Letter 83-37 provided guidance for limiting conditions for operation and surveillance requirements for these monitors. The licensee has proposed to perform a channel check which may be performed by a visual check of the instrumentation to ensure the operability of the instrument. The proposed TS are consistent with the guidance provided in our Generic Letter 83-37. Therefore, we conclude that the proposed TS for Item II.F.1.3 are acceptable.

The following existing TS were reviewed and found to be adequate:

1. Containment Pressure Monitor (II.F.1.4)

The existing TS require two channels to be operable. These two channels consist of the following instrumentation: one channel with one instrument reading -5 to 150 psig and one channel with two instruments reading, -5 to + 5 psig and 0 to 150 psig.

2. Auxiliary Feedwater System

The existing TS provide Limiting Conditions for Operation and Surveillance requirements which conform to the guidance of GL 83-37. The maximum out-of-service time for the auxiliary feedwater pumps is being reviewed separately.

ENVIRONMENTAL CONSIDERATIONS

These amendments involve a change in the installation or use of a facility component located within the restricted area. The staff has determined that the amendments involve no significant increase in the amounts, and no significant change in the types, of any effluents that may be released offsite and that there is no significant increase in individual or cumulative occupational radiation exposure. The Commission has previously issued a proposed finding that these amendments involve no significant hazards consideration. Accordingly, these amendments meet the eligibility criteria for categorical exclusion set forth in 10 CFR 51.22(c)(9). Pursuant to 10 CFR 51.22(b), no environmental impact statement or environmental assessment need be prepared in connection with the issuance of these amendments.

CONCLUSION

We have concluded, based on the considerations discussed above, that (1) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (2) such activities will be conducted in compliance with the Commission's regulations, and the issuance of the amendments will not be inimical to the common defense and security or to the health and safety of the public.

Date: February 22, 1985

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