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Docket No. 50-317

Baltimore Gas and Electric Company
ATTN: Mr. A. E. Lundvall, Jr.
Vice President - Supply
Gas and Electric Building
Charles Center
Baltimore, Maryland 21203

Gentlemen:

The Commission has requested the Office of the Federal Register to publish the enclosed Notice of Proposed Issuance of Amendment to Facility License No. DPR-53 for Calvert Cliffs Unit 1. The proposed amendment relates to items 1 and 4 of your December 8, 1975 application.

The amendment would revise the Technical Specifications relating to thermal margin limiting safety system setting and safety limit curves, and the limiting conditions for operation for the boron dilution flow paths to the reactor coolant system. This Notice only relates to items 1 and 4 of your request dated December 8, 1975. Based on our preliminary review of items 2 and 3 of your request dated December 8, 1975, we do not feel that they involve significant hazards considerations and consequently will not require pre-noticing prior to issuance.

A copy of our Safety Evaluation relating to this proposed action will be forwarded to you when completed.

Sincerely,

Original signed by
Dennis L. Ziemann

Dennis L. Ziemann, Chief
Operating Reactors Branch #2
Division of Operating Reactors

Enclosure:
Federal Register Notice

OFFICE	RL:ORB #2	RL:ORB #2	OELD	RL:ORB #2		
SURNAME	RMDiggs:ro	EAReves	Touklobit	DLZiemann		
DATE	1/15/76	1/15/76	1/27/76	1/28/76		

JAN 28 1976

cc w/enclosures:

Mr. James A. Biddison, Jr.
General Counsel
Gas and Electric Building
Charles Center
Baltimore, Maryland 21203

James C. Cawood, Jr., Esquire
Vice President
Chesapeake Environmental
Protection Association
4700 Auth Place
Camp Springs, Maryland 20023

George F. Trowbridge, Esquire
Shaw, Pittman, Potts and
Trowbridge
910 17th Street, N. W.
Washington, D. C. 20006

Bechtel Power Corporation
ATTN: Mr. R. L. Ashley
Chief Nuclear Engineer
P. O. Box 607
Gaithersburg, Maryland 20760

Combustion Engineering, Inc.
ATTN: Mr. J. A. Honey
Project Manager
P. O. Box 500
Windsor, Connecticut 06095

Calvert County Library
Prince Frederick, Maryland 20678

Mr. Bernard Fowler
President, Board of County
Commissioners
Prince Frederick, Maryland 20678

cc w/4 cys of enclosure and 1 cy
of BG&E's filing dtd. 12/8/75:
Mr. Warren D. Hodges, Director
Department of State Planning
301 West Preston Street
Baltimore, Maryland 21201

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-317

BALTIMORE GAS AND ELECTRIC COMPANY

NOTICE OF PROPOSED ISSUANCE OF AMENDMENT

TO FACILITY OPERATING LICENSE

The Nuclear Regulatory Commission (the Commission) is considering issuance of an amendment to Facility Operating License No. DPR-53 issued to the Baltimore Gas and Electric Company (the licensee) for operation of the Calvert Cliffs Nuclear Power Plant Unit 1 located in Calvert County, Maryland.

The amendment would revise the provisions in the Technical Specifications relating to thermal margin limiting safety system setting and safety limit curves, and the limiting conditions for operation for boron dilution flow paths to the reactor coolant system, in accordance with the licensee's application for amendment dated December 8, 1975, with respect to those subjects addressed in this paragraph. The subjects identified as item 2 (correction of penetration numbering) and item 3 (relocation of condenser discharge temperature sensors) in the December 8 application are not a part of this notice.

Prior to issuance of the proposed license amendment, the Commission will have made the findings required by the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations.

By March 8, 1976, the licensee may file a request for a hearing and any person whose interest may be affected by this proceeding may file a request for a hearing in the form of a petition for leave to intervene with respect to the issuance of the amendment to the subject facility operating license. Petitions for leave to intervene must be

filed under oath or affirmation in accordance with the provisions of Section 2.714 of 10 CFR Part 2 of the Commission's regulations. A petition for leave to intervene must set forth the interest of the petitioner in the proceeding, how that interest may be affected by the results of the proceeding, and the petitioner's contentions with respect to the proposed licensing action. Such petitions must be filed in accordance with the provisions of this FEDERAL REGISTER notice and Section 2.714, and must be filed with the Secretary of the Commission, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Docketing and Service Section, by the above date. A copy of the petition and/or request for a hearing should be sent to the Executive Legal Director, U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, and to James A. Biddison, Jr., General Counsel, Gas and Electric Building, Charles Center, Baltimore, Maryland 21203, the attorney for the licensee.

A petition for leave to intervene must be accompanied by a supporting affidavit which identifies the specific aspect or aspects of the proceeding as to which intervention is desired and specifies with particularity the facts on which the petitioner relies as to both his interest and his contentions with regard to each aspect on which intervention is requested. Petitions stating contentions relating only to matters outside the Commission's jurisdiction will be denied.

All petitions will be acted upon by the Commission or licensing board, designated by the Commission or by the Chairman of the Atomic

Safety and Licensing Board Panel. Timely petitions will be considered to determine whether a hearing should be noticed or another appropriate order issued regarding the disposition of the petitions.

In the event that a hearing is held and a person is permitted to intervene, he becomes a party to the proceeding and has a right to participate fully in the conduct of the hearing. For example, he may present evidence and examine and cross-examine witnesses.

For further details with respect to this action, see the application for amendment dated December 8, 1975, 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 20678. The license amendment and the Safety Evaluation, when issued, may be inspected at the above locations and a copy may be obtained upon request addressed to the U. S. Nuclear Regulatory Commission, Washington, D. C. 20555, Attention: Director, Division of Operating Reactors.

Dated at Bethesda, Maryland, this *28th day of January, 1976.*

FOR THE NUCLEAR REGULATORY COMMISSION

Original signed by
Dennis L. Ziemann

Dennis L. Ziemann, Chief
Operating Reactors Branch #2
Division of Operating Reactors

OFFICE →	RL:ORB #2 <i>RMD</i>	RL:ORB #2 <i>EAR</i>	OELD <i>Donald L. Ziemann</i>	RL:ORB #2 <i>DZ</i>		
SURNAME →	RMDiggs	EAReeves	<i>Donald L. Ziemann</i>	DLZiemann		
DATE →	1/15/76	1/15/76	1/21/76	1/28/76		

DETERMINATION OF PROPOSED LICENSING AMENDMENT

Licensee: Baltimore Gas and Electric Company

Request for: Technical Specification changes for Calvert Cliffs Unit 1:
(1) Thermal margin LSSS and safety limit curves (Figures 2-4 and 2-8) updated, (2) Proofreading correction in Table 4.5.2 (3) Computer scan of condenser outlet water temperature revised, and (4) Chemical and Volume Control System changes in dilution methods.

Request Date: December 8, 1975

Proposed Noticing Action: (x) Pre-notice Recommended for items (1) and (4)
(x) Post-notice Recommended for items (2) and (3)
() Determination delayed pending completion of Safety Evaluation

Basis for Decision:

1. Figure 2-4 and Figure 2-8 have been proposed to replace the existing limiting safety system settings (LSSS) curve and the core safety limit thermal margin curve. The existing curves assumed a lower reactor coolant system flow of 81,200 gpm per pump and a nominal peaking factor of 1.54. The proposed curves were calculated using a measured reactor coolant system flow rate of 92,500 gpm per pump and a radial peaking factor of 1.41. Also, the existing curves were based on design axial power distributions while the new curves are based on parametric shape analysis studies performed for the installed core. Since there appears to be a relaxation of the LSSS, a pre-notice is recommended.
2. The proposed change in penetration identification shown in Table 4.5.2 will correct a proofreading error. A post-notice is recommended if separated from changes (1) and (4).
3. The proposed change in temperature sensor locations for the condenser outlet temperature should result in more accurate indication of condenser discharge water temperature. The change is to Appendix B, Environmental Technical Specification and does not involve a significant hazards consideration. Therefore, post-notice is recommended if separated from changes (1) and (4), which require pre-notice.
4. The proposed change would revise the limiting conditions for operation relating to boron dilution flow paths to the Reactor Coolant System. The change is a relaxation in limiting conditions for operation not accompanied by compensatory changes, conditions or actions that maintain the same level of safety. Although the change is similar to the Combustion Engineering Standard Technical Specification, pre-notice is recommended.

- Proposed NEPA Decision:
- () EIS Required
 - () Negative Declaration (ND) and Environmental Impact Appraisal (EIA) Required
 - (x) No EIS, ND or EIA Required
 - () Determination delayed pending completion of EIA

Basis for Decision:

The requested changes do not require a Negative Declaration for Part 51. The changes do not significantly change (increase) the types or amounts of effluents or significantly increase the authorized power level or involve a major action significantly affecting the quality of the environment.

Noticing Concurrences:

1. E. A. Reeves 1-5-76
E. A. Reeves
2. D. L. Ziemann 1-8-76
D. L. Ziemann
3. for K. R. Goller 1-9-76
K. R. Goller
4. OELD (Smith) 1-27-76
OELD (Smith)

NOTE:

Letter to licensee and
Pre-Notice attached