

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

MAR 14 1977

DISTRIBUTION

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JRBuchanan

Gentlemen:

The Commission has issued the enclosed Amendment No. 2<sup>1</sup> to Facility Operating License No. DPR-53 for Calvert Cliffs Nuclear Power Plant Unit No. 1. The amendment is in response to your applications dated July 6, 1976 and October 1, 1976, as supplemented by filings dated October 20 and 26, November 5 and 30, 1976, January 30 and 31, 1977, and March 2, 3 and 7, 1977, and earlier supportive filings dated July 9, 1975, July 21, 1975, March 4 and May 7, 1976.

The amendment (1) terminates NRC's June 17, 1976 "Order for Modification of License" which had placed an interim restriction on peak linear heat generation rate of 13.9 kw/ft, (2) authorizes power operation using Cycle 2 reload fuel including three new test assemblies, and (3) incorporates modified operating limits based on applications dated November 30, 1976 and March 2, 1977 and based on an acceptable emergency core cooling system evaluation model that conforms with Section 50.46 of 10 CFR Part 50.

Some of your proposed Technical Specification changes have been modified to meet our requirements. These modifications have been discussed with and accepted by your staff.

Copies of the Safety Evaluation and Environmental Impact Appraisal, and Notice of Issuance and Negative Declaration are enclosed.

Sincerely,

Respectfully,  
Dennis L. Ziemann

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

(see reports for Encl. 2)

3/7  
Cont. 1 GP

*[Handwritten signature]*  
3/11/77

Enclosures and cc:

See next page	DOR:ORB #2	DOR:ORB #2	OELD	DOR:ORB #2	DOR:AD/ORB #2
OFFICE →	RMDiggs	EAReesves:ah	<i>[Signature]</i>	DLZiemann	KRGoller
SURNAME →	3/8/77	3/8/77	3/11/77	3/11/77	3/14/77
DATE →					



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

March 14, 1977

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 issued the enclosed Amendment No. 21 to Facility Operating License No. DPR-53 for Calvert Cliffs Nuclear Power Plant Unit No. 1. The amendment is in response to your applications dated July 6, 1976 and October 1, 1976, as supplemented by filings dated October 20 and 26, November 5 and 30, 1976, January 30 and 31, 1977, and March 2, 3 and 7, 1977, and earlier supportive filings dated July 9, 1975, July 21, 1975, March 4 and May 7, 1976.

The amendment (1) terminates NRC's June 17, 1976 "Order for Modification of License" which had placed an interim restriction on peak linear heat generation rate of 13.9 kw/ft, (2) authorizes power operation using Cycle 2 reload fuel including three new test assemblies, and (3) incorporates modified operating limits based on applications dated November 30, 1976 and March 2, 1977 and based on an acceptable emergency core cooling system evaluation model that conforms with Section 50.46 of 10 CFR Part 50.

Some of your proposed Technical Specification changes have been modified to meet our requirements. These modifications have been discussed with and accepted by your staff.

Copies of the Safety Evaluation and Environmental Impact Appraisal, and Notice of Issuance and Negative Declaration are enclosed.

Sincerely,

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

Enclosures and cc:  
See next page

March 14, 1977

Enclosure:

1. Amendment No. 21 to License No. DPR-53
2. Safety Evaluation and Environmental Impact Appraisal (*see reports*)
3. Notice and Negative Declaration

cc w/enclosures:

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

Dr. Steven Long  
Power Plant Siting Program  
Department of Natural Resources  
B-3, Pawes  
State Office Building  
Annapolis, Maryland 21401

George F. Trowbridge, Esquire  
Shaw, Pittman, Potts and  
Trowbridge  
1800 M Street, N. W.  
Washington, D. C. 20036

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

Mr. R. C. L. Olson  
Baltimore Gas and Electric Company  
Room 922 Gas and Electric Building  
Charles Center  
Baltimore, Maryland 21203

Mr. R. M. Douglass, Chief Engineer  
Calvert Cliffs Nuclear Power Plant  
Baltimore Gas and Electric Company  
Lusby, Maryland 20657

Calvert County Library  
Prince Frederick, Maryland 20678

Chief, Energy Systems  
Analyses Branch (AW-459)  
Office of Radiation Programs  
U. S. Environmental Protection Agency  
Room 645, East Tower  
401 M Street, S. W.  
Washington, D. C. 20460

U. S. Environmental Protection Agency  
Region III Office  
ATTN: EIS COORDINATOR  
Curtis Building (Sixth Floor)  
Sixth and Walnut Streets  
Philadelphia, Pennsylvania 19106

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

cc w/enclosures and copy of BG&E  
filings 7/9/75 w/o proprietary,  
7/21/75, 3/4/76, 5/7/76, 10/26/76,  
1/30 & 31/77 and 3/2, 3 & 7/77:  
Dr. Paul Massicot, Director  
Department of Natural Resources  
Power Plant Siting Program  
Energy & Coastal Zone Administration  
Tawes State Office Building  
Annapolis, Maryland 21401

Director, Department of State  
Planning  
301 West Preston Street  
Baltimore, Maryland 21201  
(w/4 cys. of enclosures)



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

BALTIMORE GAS AND ELECTRIC COMPANY

DOCKET NO. 50-317

CALVERT CLIFFS UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 21  
License No. DPR-53

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The applications for amendment by Baltimore Gas and Electric Company (the licensee) dated July 6 and October 1, 1976, as supplemented by filings dated October 20 and 26, November 5 and 30, 1976, January 30 and 31, and March 2, 3 and 7, 1977, and earlier supportive filings dated July 9, 1975, July 21, March 4 and May 7, 1976, comply with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations set forth in 10 CFR Chapter I;
  - B. The facility will operate in conformity with the application, the provisions of the Act, and the rules and regulations of the Commission;
  - C. There is reasonable assurance (i) that the activities authorized by this amendment can be conducted without endangering the health and safety of the public, and (ii) that such activities will be conducted in compliance with the Commission's regulations;
  - D. The issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public; and
  - E. The issuance of this amendment is in accordance with 10 CFR Part 51 of the Commission's regulations and all applicable requirements have been satisfied.

2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment and paragraph 2.C(2) of Facility License No. DPR-53 is hereby amended to read as follows and the provisions added by Commission Order for Modification of License dated June 17, 1976, are hereby terminated.

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 21, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective as of the date of its issuance.

FOR THE NUCLEAR REGULATORY COMMISSION

*Karl R. Goller*

Karl R. Goller, Assistant Director  
for Operating Reactors  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: March 14, 1977

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-317

BALTIMORE GAS AND ELECTRIC COMPANY

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY  
OPERATING LICENSE  
AND  
NEGATIVE DECLARATION

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 21 to Facility Operating License No. DPR-53, issued to Baltimore Gas and Electric Company (the licensee), which revised the license and its appended Technical Specifications for operation of the Calvert Cliffs Nuclear Power Plant Unit No. 1 (the facility) located in Calvert County, Maryland. The amendment is effective as of its date of issuance.

The amendment (1) terminated NRC's June 17, 1976 "Order for Modification of License" which had placed an interim restriction on peak linear heat generation rate of 13.9 kw/ft, (2) authorized power operation using Cycle 2 reload fuel including three test assemblies, and (3) incorporated modified operating limits based on applications dated November 30, 1976 and March 2, 1977 and based on an acceptable emergency core cooling system evaluation model that conforms with Section 50.46 of 10 CFR Part 50.

The application for the amendment complies with the standards and requirements of the Atomic Energy Act of 1954, as amended (the Act), and the Commission's rules and regulations. The Commission has made appropriate findings as required by the Act and the Commission's rules and regulations in

10 CFR Chapter I, which are set forth in the license amendment. Notice of Proposed Issuance of Amendment to Facility Operating License in connection with item (3) above was published in the Federal Register on December 13, 1976 (41 F.R. 54258). No request for a hearing or petition for leave to intervene was filed following notice of the proposed action on item (3) above. Prior public notice of items (1) and (2) above was not required since these items do not involve a significant hazards consideration.

In connection with items (1) and (2) above, the Commission has determined that these actions will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared. In connection with item (3) above, the Commission has prepared an environmental impact appraisal relating to the action and has concluded that an environmental impact statement for this particular action is not warranted because there will be no significant environmental impact attributable to the action.

For further details with respect to this action, see (1) the applications for amendment dated July 6, 1976 and October 1, 1976, and supplements thereto dated October 20 and 26, November 5 and 30, 1976, January 30 and 31, 1977 and March 2, 3 and 7, 1977, and

earlier supportive filings dated July 9, 1975, July 21, 1975, March 4 and May 7, 1976, (2) Amendment No. 21 to License No. DPR-53, and (3) the Commission's Safety Evaluation and Environmental Impact Appraisal. All of these items are 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, except for the proprietary documents for which nonproprietary versions are available. A copy of items (2) and (3) 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 14th day of March, 1977.

FOR THE NUCLEAR REGULATORY COMMISSION

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