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Docket No. 50-317

Mr. A. E. Lundvall, Jr.
 Vice President - Supply
 Baltimore Gas & Electric Company
 P.O. Box 1475
 Baltimore, Maryland 21203

Dear Mr. Lundvall:

The Commission has issued the enclosed Amendment No. 56 to Facility Operating License No. DPR-53 for Calvert Cliffs Nuclear Power Plant, Unit No. 1 in response to your telecopied application dated May 27, 1981. The amendment was issued orally by telephone on May 27, 1981 and confirmed by letter dated May 28, 1981, and was effective on May 27, 1981.

The changes to the Technical Specifications authorize continued reactor operation until June 1, 1981 with the acoustic flow monitor for power operated relief valve RV-201 inoperable.

Copies of our Safety Evaluation and the related Notice of Issuance are also enclosed. cp

Sincerely,

Original signed by
 Robert A. Clark

Robert A. Clark, Chief
 Operating Reactors Branch #3
 Division of Licensing



Enclosures:

1. Amendment No. 56 to DPR-53
2. Safety Evaluation
3. Notice of Issuance

cc w/enclosures:

See nest page

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 PDR ADOCK 05000317
 P PDR

*no local objection
 to amendment and
 P.R. notice only*

OFFICE	ORB#3:DL	ORB#3:DL	ORB#3:DL	AD:OR:DL	OELD		
SURNAME	PMKreutzer	EConner/pn	RAClark	TMGvak			
DATE	6/15/81	6/12/81	6/15/81	6/16/81	6/17/81		



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

DISTRIBUTION:
Docket File
ORB#3 Rdg
PMKreutzer

Docket No. 50-317

Docketing and Service Section
Office of the Secretary of the Commission

SUBJECT: BALTIMORE GAS & ELECTRIC COMPANY, Calvert Cliffs Nuclear Power Plant, Unit No. 1

Two signed originals of the Federal Register Notice identified below are enclosed for your transmittal to the Office of the Federal Register for publication. Additional conformed copies (12) of the Notice are enclosed for your use.

- Notice of Receipt of Application for Construction Permit(s) and Operating License(s).
- Notice of Receipt of Partial Application for Construction Permit(s) and Facility License(s); Time for Submission of Views on Antitrust Matters.
- Notice of Availability of Applicant's Environmental Report.
- Notice of Proposed Issuance of Amendment to Facility Operating License.
- Notice of Receipt of Application for Facility License(s); Notice of Availability of Applicant's Environmental Report; and Notice of Consideration of Issuance of Facility License(s) and Notice of Opportunity for Hearing.
- Notice of Availability of NRC Draft/Final Environmental Statement.
- Notice of Limited Work Authorization.
- Notice of Availability of Safety Evaluation Report.
- Notice of Issuance of Construction Permit(s).
- Notice of Issuance of Facility Operating License(s) or Amendment(s).

Other: Amendment No. 56.
Referenced documents have been provided PDR.

Division of Licensing, ORB#3
Office of Nuclear Reactor Regulation

Enclosure:
As Stated

OFFICE →	ORB#3:DL					
SURNAME →	PMKreutzer					
DATE →	6/24/81					



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

June 23, 1981

Docket No. 50-317

Mr. A. E. Lundvall, Jr.
Vice President - Supply
Baltimore Gas & Electric Company
P.O. Box 1475
Baltimore, Maryland 21203

Dear Mr. Lundvall:

The Commission has issued the enclosed Amendment No. 56 to Facility Operating License No. DPR-53 for Calvert Cliffs Nuclear Power Plant, Unit No. 1 in response to your telecopied application dated May 27, 1981. The amendment was issued orally by telephone on May 27, 1981 and confirmed by letter dated May 28, 1981, and was effective on May 27, 1981.

The changes to the Technical Specifications authorize continued reactor operation until June 1, 1981 with the acoustic flow monitor for pressurizer safety valve RV-201 inoperable.

Copies of our Safety Evaluation and the related Notice of Issuance are also enclosed.

Sincerely,



Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

Enclosures:

1. Amendment No. 56 to DPR-53
2. Safety Evaluation
3. Notice of Issuance

cc w/enclosures:
See next page

Baltimore Gas and Electric Company

cc:

James A. Biddison, Jr.
General Counsel
Baltimore Gas and Electric Company
P. O. Box 1475
Baltimore, MD 21203

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

Mr. R. C. L. Olson, Principal Engineer
Nuclear Licensing Analysis Unit
Baltimore Gas and Electric Company
Room 922 - G&E Building
P. O. Box 1475
Baltimore, MD 21203

Mr. Leon B. Russell
Plant Superintendent
Calvert Cliffs Nuclear Power Plant
Maryland Routes 2 & 4
Lusby, MD 20657

Bechtel Power Corporation
Attn: Mr. J. C. Judd
Chief Nuclear Engineer
15740 Shady Grove Road
Gaithersburg, MD 20760

Combustion Engineering, Inc.
Attn: Mr. P. W. Kruse, Manager
Engineering Services
P. O. Box 500
Windsor, CT 06095

Public Document Room
Calvert County Library
Prince Frederick, MD 20678

Director, Department of State Planning
301 West Preston Street
Baltimore, MD 21201

Mr. R. M. Douglass, Manager
Quality Assurance Department
Fort Smallwood Road Complex
P. O. Box 1475
Baltimore, MD 21203

Mr. T. L. Syndor, General Supervisor
Operations Quality Assurance
Calvert Cliffs Nuclear Power Plant
Maryland Routes 2 & 4
Lusby, MD 20657

Ms. Mary Harrison, President
Calvert County Board of County Commissioners
Prince Frederick, MD 20768

U. S. Environmental Protection Agency
Region III Office
Attn: EIS Coordinator
Curtis Building (Sixth Floor)
Sixth and Walnut Streets
Philadelphia, PA 19106

Mr. Ralph E. Architzel
Resident Reactor Inspector
NRC Inspection and Enforcement
P. O. Box 437
Lusby, MD 20657

Mr. Charles B. Brinkman
Manager - Washington Nuclear Operations
Combustion Engineering, Inc.
4853 Cordell Avenue, Suite A-1
Bethesda, MD 20014

Mr. J. A. Tierman, Manager
Nuclear Power Department
Calvert Cliffs Nuclear Power Plant
Maryland Routes 2 & 4
Lusby, MD 20657

Director, Criteria and Standards Division
Office of Radiation Programs (ANR-460)
U. S. Environmental Protection Agency
Washington, D. C. 20460

Mr. W. J. Lippold, Supervisor
Nuclear Fuel Management
Baltimore Gas and Electric Company
Calvert Cliffs Nuclear Power Plant
P. O. Box 1475
Baltimore, Maryland 21203

Mr. R. E. Denton, General Supervisor
Training & Technical Services
Calvert Cliffs Nuclear Power Plant
Maryland Routes 2 & 4
Lusby, MD 20657

cc w/enclosure(s) and incoming
dated: 5/27/81, 5/28/81

Administrator, Power Plant Siting Program
Energy and Coastal Zone Administration
Department of Natural Resources
Tawes State Office Building
Annapolis, MD 21204

UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D. C. 20545

BALTIMORE GAS AND ELECTRIC COMPANY

DOCKET NO. 50-317

CALVERT CLIFFS NUCLEAR POWER PLANT UNIT NO. 1

AMENDMENT TO FACILITY OPERATING LICENSE

Amendment No. 56
License No. DPR-53

1. The Nuclear Regulatory Commission (the Commission) has found that:
 - A. The application for amendment by Baltimore Gas & Electric Company (the licensee) dated May 27, 1981, complies 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.

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PDR

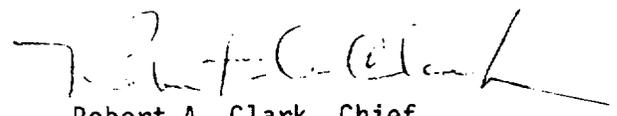
2. Accordingly, the license is amended by changes to the Technical Specifications as indicated in the attachment to this license amendment, and paragraph 2.C.(2) of Facility Operating License No. DPR-53 is hereby amended to read as follows:

(2) Technical Specifications

The Technical Specifications contained in Appendices A and B, as revised through Amendment No. 56, are hereby incorporated in the license. The licensee shall operate the facility in accordance with the Technical Specifications.

3. This license amendment is effective on May 27, 1981.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing

Attachment:
Changes to the
Technical Specifications

Date of Issuance: June 23, 1981

ATTACHMENT TO LICENSE AMENDMENT NO. 56

FACILITY OPERATING LICENSE NO. DPR-53

DOCKET NO. 50-317

Replace the following page of the Appendix A Technical Specifications with the enclosed page as indicated. The revised page is identified by Amendment number and contains vertical lines indicating the area of change. The corresponding overleaf page is also provided to maintain document completeness.

Page

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TABLE 3.3-10

POST-ACCIDENT MONITORING INSTRUMENTATION

<u>INSTRUMENT</u>	<u>MINIMUM CHANNELS OPERABLE</u>
1. Power Range Nuclear Flux	2
2. Containment Pressure	2
3. Wide Range Logarithmic Neutron Flux Monitor	2
4. Reactor Coolant Outlet Temperature	2
5. Reactor Coolant Total Flow	2
6. Pressurizer Pressure	2
7. Pressurizer Level	2
8. Steam Generator Pressure	2/steam generator
9. Steam Generator Level	2/steam generator
10. Feedwater Flow	2
11. Auxiliary Feedwater Flow Rate	1/steam generator
12. RCS Subcooled Margin Monitor	1
13. PORV/Safety Valve Acoustic Flow Monitoring	1/valve *
14. PORV Solenoid Power Indication	1/valve

*Until June 1, 1981, the Unit 1 inoperable acoustic flow monitor for pressurizer safety valve RV-201 may be replaced by observation of quench tank temperature, level and pressure and the safety valve tail pipe temperatures once per shift.

CALVERT CLIFFS - UNIT 1
CALVERT CLIFFS - UNIT 2

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Amendment No. 52, 56
Amendment No. 36

TABLE 4.3-10

POST-ACCIDENT MONITORING INSTRUMENTATION SURVEILLANCE REQUIREMENTS

CALVERT CLIFFS - UNIT 1
 CALVERT CLIFFS - UNIT 2
 3/4 3-42
 Amendment No. 53
 Amendment No. 36

<u>INSTRUMENT</u>	<u>CHANNEL CHECK</u>	<u>CHANNEL CALIBRATION</u>
1. Power Range Nuclear Flux	M	Q
2. Containment Pressure	M	R
3. Wide Range Logarithmic Neutron Flux Monitor	M	N.A.
4. Reactor Coolant Outlet Temperature	M	R
5. Reactor Coolant Total Flow	M	R
6. Pressurizer Pressure	M	R
7. Pressurizer Level	M	R
8. Steam Generator Pressure	M	R
9. Steam Generator Level	M	R
10. Feedwater Flow	M	R
11. Auxiliary Feedwater Flow Rate	M	R
12. RCS Subcooled Margin Monitor	M	R
13. PORV/Safety Valve Acoustic Monitor	N.A.	R
14. PORV Solenoid Power Indication	N.A.	N.A.



UNITED STATES
NUCLEAR REGULATORY COMMISSION
WASHINGTON, D.C. 20540

SAFETY EVALUATION BY THE OFFICE OF NUCLEAR REACTOR REGULATION

SUPPORTING AMENDMENT NO. 56

FACILITY OPERATING LICENSE NO. DPR-53

BALTIMORE GAS AND ELECTRIC COMPANY

CALVERT CLIFFS NUCLEAR POWER PLANT UNIT NO. 1

DOCKET NO. 50-317

By telephone, confirmed with telecopy dated May 27, 1981, Baltimore Gas and Electric Company (BG&E or the licensee) made application for a Technical Specification (TS) change to replace the inoperable acoustic flow monitor for pressurizer safety valve RV-201 with once per shift monitoring of quench tank temperature, level and pressure and of the safety valve tail pipe temperatures at Calvert Cliffs, Unit No. 1.

Amendments No. 53 and 36, issued April 21, 1980 for both units added, among other changes, operability and surveillance requirements to TS Table 3.3-10 for four types of instrumentation systems that resulted from our TMI accident review. These new types of instrumentation included, as Item 13 to the existing Table 3.3-10, PORV/Safety Valve Acoustic Flow Monitoring. At the time of issuance of the amendments, the acoustic monitor was inoperable due to a severed cable. This was not recognized as a TS violation until May 27, 1981. BG&E began an orderly shutdown of Unit No. 1 while making the application for a TS change.

We authorized an emergency TS change on May 27, 1981 and confirmed such by letter dated May 28, 1981. This Safety Evaluation provides justification for these previous actions and for a permanent change to the Unit No. 1 TS.

BG&E states that sufficient redundant means for ascertaining flow from the safety valve exists. This includes acoustic flow indication on three other PORV/safety valves, temperature indication down-stream of this valve, and quench tank pressure, temperature and level indications. BG&E also has committed to repair the acoustic monitor for RV-201 prior to June 1, 1981.

Reactor operation without this acoustic monitor is justified on the basis that backup instrumentation is available to detect RV-201 lifting for the interim period of approximately one month. In fact, other facilities, such as Millstone Unit No. 2 (Docket No. 50-336), have TS that allow such substitution as a routine. Therefore, we find this change to TS Table 3.3-10 acceptable.

Environmental Consideration

We have determined that the amendment does not authorize a change in effluent types or total amounts nor an increase in power level and will not result in any significant environmental impact. Having made this determination, we have further concluded that the amendment involves an action which is insignificant from the standpoint of environmental impact and, pursuant to 10 CFR §51.5(d)(4), that an environmental impact statement or negative declaration and environmental impact appraisal need not be prepared in connection with the issuance of this amendment.

Conclusion

We have concluded, based on the considerations discussed above, that: (1) because the amendment does not involve a significant increase in the probability or consequences of accidents previously considered and does not involve a significant decrease in a safety margin, the amendment does not involve a significant hazards consideration, (2) there is reasonable assurance that the health and safety of the public will not be endangered by operation in the proposed manner, and (3) such activities will be conducted in compliance with the Commission's regulations and the issuance of this amendment will not be inimical to the common defense and security or to the health and safety of the public.

Date: June 23, 1981

UNITED STATES NUCLEAR REGULATORY COMMISSIONDOCKET NO. 50-317BALTIMORE GAS AND ELECTRIC COMPANYNOTICE OF ISSUANCE OF AMENDMENT TO FACILITYOPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 56 to Facility Operating License No. DPR-53 issued to Baltimore Gas and Electric Company, which revised Technical Specifications for operation of the Calvert Cliffs Nuclear Power Plant, Unit No. 1 located in Calvert County, Maryland. The amendment was effective on May 27, 1981.

The amendment authorizes continued reactor operation until June 1, 1981 with the acoustic flow monitor for pressurizer safety valve RV-201 inoperable.

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. Prior public notice of the amendment was not required since the amendment does not involve a significant hazards consideration.

- 2 -

The Commission has determined that the issuance of this amendment 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 issuance of this amendment.

For further details with respect to this action, see (1) the application for amendment dated May 27, 1981, (2) Amendment No. 55 to License No. DPR-53, and (3) the Commission's related Safety Evaluation. 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. 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 Licensing.

Dated at Bethesda, Maryland, this 23rd of June, 1981.

FOR THE NUCLEAR REGULATORY COMMISSION



Robert A. Clark, Chief
Operating Reactors Branch #3
Division of Licensing