

July 8, 1977

DISTRIBUTION

Docket	OELD
NRC PDR	OI&E (5)
Local PDR	BJones (4)
ORB #2 Reading	BScharf (10)
VStello	JMcGough
KRGoller	BHarless
CGrimes	DEisenhut
BHardin	DRoss
PKapo	TJCarter
MConner	TBAbernathy
EAREeves	JRBuchanan
MGrotenhuis	ACRS (16)
DKDavis	
RMDiggs	

Docket No. 50-317

Baltimore Gas & Electric Company  
 ATTN: Mr. A. E. Lundvall, Jr.  
 Vice President - Supply  
 Post Office Box 1475  
 Baltimore, Maryland 21203

Gentlemen:

The Commission has issued the enclosed Amendment No. 22 to Facility Operating License No. DPR-53 for Calvert Cliffs Nuclear Power Plant Unit No. 1. This amendment is in response to your application dated January 3, 1977, as supplemented by letters dated May 11, and 26, 1977, and June 7, 1977. The June 7, 1977 letter requested our prompt action to preclude restrictions on the utilization of the Calvert Cliffs Unit No. 1 generating capacity.

The amendment removes the specification of a limit on the maximum discharge temperature of the condenser cooling water. The remainder of your January 3, 1977 application to replace the existing Unit No. 1 Appendix B Technical Specifications will be considered at a later date.

The proposed changes included a request to eliminate the 90°F maximum discharge temperature limit. A similar limit has been eliminated from the State of Maryland National Pollutant Discharge Elimination System permit for Calvert Cliffs after public hearings and consideration by the Director of the Water Resources Administration of Maryland. Our appraisal of operation the facility with respect to discharge temperatures higher than 90°F is expected to be complete by July 31, 1977. A previous impact appraisal dated August 5, 1976, evaluated discharge temperatures as high as 93°F for one summer for the purpose of conducting special studies and concluded that operation under such conditions would not result in an unacceptable impact on the environment. Operation under the provisions of that appraisal did not occur because of Maryland State hearings in progress and weather conditions.

As set forth in our August 5, 1976 appraisal, we do not expect significant adverse impacts to occur with the operation at likely discharge temperatures above 90°F, because the plant will continue to be limited to a temperature increase of 10°F. Because our full appraisal will be completed in the near future, we conclude that the limitation on maximum discharge temperature should be removed in the interim and the

*Const. V*  
*69*

OFFICE →						
SURNAME →						
DATE →						

July 8, 1977

facility operated consistent with the requirements of the State of Maryland and that the obligations of the NRC under the National Environmental Policy Act will be fulfilled by issuance of an impact appraisal by about July 31, 1977. Our appraisal will determine whether any additional conditions for protection of the environment are appropriate.

Based on the above considerations, we have determined that the amendment does not involve any other 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 other than the impact appraisal which will be issued by about July 31, 1977.

Since the change involves the deletion of a non-radiological Technical Specification limit and applies only to condenser cooling water temperature, this amendment does not involve significant new safety information of a type not considered by a previous Commission safety review of the facility. It does not involve a significant increase in the probability or consequences of an accident, does not involve a significant decrease in a safety margin, and, therefore, does not involve a significant hazards consideration. We have also concluded that there is reasonable assurance that the health and safety of the public will not be endangered by this action and such action will not be inimical to the common defense and security.

A copy of the Notice of Issuance, which is being forwarded to the Office of the Federal Register for publication, also is enclosed.

*Called ~ 1130 7/8/77*  
*Chet Lawrence BGT*  
*RM Douglas BGT Dept*  
*IE DO Eric Wang*  
*IE Reg John Hammer*  
*M. Grotenhuis*

Sincerely,

Original signed by  
 M. Grotenhuis

*for* Don K. Davis, Acting Chief  
 Operating Reactors Branch #2  
 Division of Operating Reactors

Enclosures:

1. Amendment No. 22 to License No. DPR-53
2. Notice

cc w/enclosures:  
 See next page

\*Note: See previous attached yellow for concurrences.

OFFICE >	DOR:ORB #2	DOR:ORB #2	DOR:ORB/DT	OELD	DOR:ORB #2
SURNAME >	RMDiggs	EAREeves:ro	BGrines		DKDavis
DATE >	1/1*	1/1*	7/8/77	1/1*	7/8/77

~~July 8, 1977~~

Docket No. 50-317

Baltimore Gas & Electric Company  
ATTN: Mr. A. E. Lundvall, Jr.  
Vice President - Supply  
Post Office Box 1475  
Baltimore, Maryland 21203

Gentlemen:

The Commission has issued the enclosed Amendment No. 22 to Facility Operating License No. DPR-53 for Calvert Cliffs Nuclear Power Plant Unit No. 1. This amendment is in response to your application dated January 3, 1977, as supplemented by letters dated May 11, and 26, 1977, and June 7, 1977. The June 7, 1977 letter requested our prompt action to preclude restrictions on the utilization of the Calvert Cliffs Unit No. 1 generating capacity.

The amendment removes the specification of a limit on the maximum discharge temperature of the condenser cooling water. The remainder of your January 3, 1977 application to replace the existing Unit No. 1 Appendix B Technical Specifications will be considered at a later date.

The proposed changes included a request to eliminate the 90°F maximum discharge temperature limit. A similar limit has been recently eliminated from the State of Maryland water quality permit for Calvert Cliffs after public hearings and consideration by the Director of the Water Resources Administration of Maryland. Our appraisal of operation of the facility with respect to discharge temperatures higher than 90°F is expected to be complete by July 31, 1977. A previous impact appraisal dated August 5, 1976, evaluated discharge temperatures as high as 93°F for one summer for the purpose of conducting special studies and concluded that operation under such conditions would not result in an unacceptable impact on the environment. Operation under the provisions of that appraisal did not occur because of Maryland State hearings in progress and weather conditions.

Because, based on our previous appraisals, we do not expect significant adverse impacts to occur with the operation at likely discharge temperatures above 90°F, because the plant will continue to be limited to a temperature increase of 10°F, and because our full appraisal will be completed in the near future, we conclude that the limitation on maximum discharge temperature should be removed consistent with the

July 8, 1977

Maryland findings on water quality and that the obligations of the NRC under the National Environmental Policy Act will be fulfilled by issuance of an impact appraisal by about July 31, 1977. Should the results of our impact appraisal indicate a continuing need for a maximum temperature limitation, we will take appropriate action at that time.

Based on the above considerations, we have determined that the amendment does not involve 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.

Since the change involves the deletion of a non-radiological Technical Specification limit and applies only to condenser cooling water temperature, this amendment does not involve significant new safety information of a type not considered by a previous Commission safety review of the facility. It does not involve a significant increase in the probability or consequences of an accident, does not involve a significant decrease in a safety margin, and, therefore, does not involve a significant hazards consideration. We have also concluded that there is reasonable assurance that the health and safety of the public will not be endangered by this action and such action will not be inimical to the common defense and security.

A copy of the Notice of Issuance, which is being forwarded to the Office of the Federal Register for publication, also is enclosed.

Sincerely,

Don K. Davis, Acting Chief  
 Operating Reactors Branch #2  
 Division of Operating Reactors

Enclosures:

1. Amendment No. 22 to License No. DPR-53
2. Notice

cc w/enclosures:  
 See next page

OFFICE >	DOR:ORB #2	DOR:ORB #2	DOR:EEB/OT	EOELD	DOR:ORB #2
SURNAME >	RMDiggs	EAREeves:ro	BGrimes		DKDavis
DATE >	7/18/77	7/18/77	1/1	7/18/77	1/1

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  
Post Office Box 1475  
Baltimore, Maryland 21203

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

Calvert Cliffs Library  
Prince Frederick, Maryland 20678

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

Chief, Energy Systems Analyses  
Branch (AW-459)  
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 <sup>109</sup> BG&E filings  
referred to in first paragraph  
of this letter:

Dr. Paul Massicot, Director  
Department of Natural Resources  
Power Plant Siting Program  
Energy & Coastal Zone Administration  
Tawes State Office Building  
Annapolis, Maryland 21401

~~cc w/4 enclosures and 1 cy of BG&E  
filings referred to in first  
paragraph of this letter:  
Director, Department of State Planning  
301 West Preston Street  
Baltimore, Maryland 21201~~



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. 22  
License No. DPR-53

1. The Nuclear Regulatory Commission (the Commission) has found that:
  - A. The application for amendment by Baltimore Gas and Electric Company (the licensee) dated January 3, 1977, as supplemented by filings dated May 11, May 26 and June 7, 1977, 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.

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. 22, 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

*Don K. Davis*  
Don K. Davis, Acting Chief  
Operating Reactors Branch #2  
Division of Operating Reactors

Attachment:  
Changes to the Technical  
Specifications

Date of Issuance: July 8, 1977

ATTACHMENT TO LICENSE AMENDMENT NO. 22

FACILITY OPERATING LICENSE NO. DPR-53

DOCKET NO. 50-317

Replace page 3 of the Technical Specifications contained in Appendix B of the above-indicated license with the attached page 3.

**2.1.2 Maximum Discharge Temperature**

(Deleted)

**3.1.2 Maximum Discharge Temperature**

(Deleted)

UNITED STATES NUCLEAR REGULATORY COMMISSION

DOCKET NO. 50-317

BALTIMORE GAS AND ELECTRIC COMPANY

NOTICE OF ISSUANCE OF AMENDMENT TO FACILITY  
OPERATING LICENSE

The U. S. Nuclear Regulatory Commission (the Commission) has issued Amendment No. 22 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 the date of its issuance.

The amendment deleted the existing maximum discharge temperature limit of the condenser cooling water consistent with a recent State of Maryland National Pollutant Discharge Elimination System permit that permitted such action to be taken.

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 this amendment was not required since the amendment does not involve a significant hazards consideration.

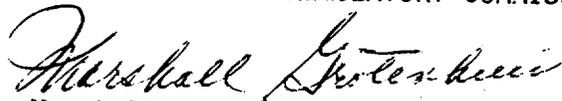
The Commission has determined that the issuance of this amendment will not result in any significant environmental impact and that pursuant to 10 CFR §51.5(d)(4) an environmental impact statement or negative declaration

and environmental impact appraisal need not be prepared in connection with issuance of this amendment other than the impact appraisal which will be issued by about July 31, 1977.

For further details with respect to this action, see (1) the application for amendment dated January 3, 1977, as supplemented by filings dated May 11 and 26, and June 11, 1977, (2) Amendment No. 22 to License No. DPR-53, and (3) the Commission's letter to the licensee related to the amendment. 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. A single 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 8th day of July, 1977.

FOR THE NUCLEAR REGULATORY COMMISSION



Marshall Grotenhuis, Acting Chief  
Operating Reactors Branch #2  
Division of Operating Reactors